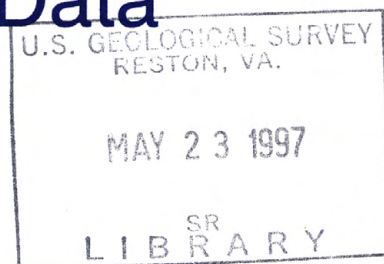




Water Resources Data Florida Water Year 1996



Volume 2A. South Florida Surface Water



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT FL-96-2A
Prepared in cooperation with the State of Florida
and with other agencies

CALENDAR FOR WATER YEAR 1996

1995

OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7				1	2	3	4						1	2
8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9
15	16	17	18	19	20	21	11	12	13	14	15	16	17	10	11	12	13	14	15	16
22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23
29	30	31					26	27	28	29	30			24	25	26	27	28	29	30
														31						

1996

JANUARY							FEBRUARY							MARCH						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
	1	2	3	4	5	6					1	2	3						1	2
7	8	9	10	11	12	13	4	5	6	7	8	9	10	3	4	5	6	7	8	9
14	15	16	17	18	19	20	11	12	13	14	15	16	17	10	11	12	13	14	15	16
21	22	23	24	25	26	27	18	19	20	21	22	23	24	17	18	19	20	21	22	23
28	29	30	31				25	26	27	28	29			24	25	26	27	28	29	30
														31						

APRIL							MAY							JUNE						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
	1	2	3	4	5	6				1	2	3	4							1
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21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22
28	29	30					26	27	28	29	30	31		23	24	25	26	27	28	29
														30						

JULY							AUGUST							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
	1	2	3	4	5	6					1	2	3	1	2	3	4	5	6	7
7	8	9	10	11	12	13	4	5	6	7	8	9	10	8	9	10	11	12	13	14
14	15	16	17	18	19	20	11	12	13	14	15	16	17	15	16	17	18	19	20	21
	2	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28
28	29	30	31				25	26	27	28	29	30	31	29	30					



Water Resources Data Florida Water Year 1996

Volume 2A. South Florida Surface Water
by C. Price, M. Murray and T. Richards



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT FL-96-2A
Prepared in cooperation with the State of Florida
and with other agencies

U.S. DEPARTMENT OF THE INTERIOR

BRUCE BABBIT, Secretary

U.S. GEOLOGICAL SURVEY

GORDON EATON, Director

**Prepared in cooperation with the
State of Florida
and other agencies**

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VOLUME 2A: SOUTH FLORIDA

PREFACE

This volume of the annual hydrologic data report of Florida is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources. Hydrologic data for Florida are contained in four volumes. Figure 1 shows the area covered by volume 2A.

Volume 1.	Northeast Florida
Volume 2.	South Florida
Volume 3.	Southwest Florida
Volume 4.	Northwest Florida

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data. This report was prepared for publication by the Hydrologic Records Section under the supervision of G. A. Karavitis, E. C. Price, M. Murray, and T. Richards. Frank Panellas and Lillian Feltman, were the primary persons responsible for the compilation of the data report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data.

Miami Subdistrict Office

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This report was prepared in cooperation with the State of Florida and with other agencies under the general supervision of John Vecchioli, District Chief, Florida.

Hydrologic data for south Florida are contained in two volumes:

Volume 2A: Surface Water
Volume 2B: Ground Water

REPORT DOCUMENTATION PAGE			Form Approved OMB No. 0704-0188	
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13. ABSTRACT (Maximum 200 words) Water resources data for 1996 water year in Florida consists of continuous or daily discharge for 319 streams, periodic discharge for 41 streams, continuous or daily stage for 97 streams, periodic stage for 8 streams, peak discharge for 35 streams, and peak stage for 12 streams; continuous or daily elevations for 30 lakes, periodic elevations for 56 lakes; continuous ground-water levels for 417 wells, periodic ground-water levels for 1,370 wells; quality of water data for 113 surface-water sites and 279 wells. The data for South Florida included continuous or daily discharge for 73 streams, continuous or daily stage for 76 streams, peak stage discharge for no streams, continuous elevation for 1 lake; continuous ground-water levels for 222 wells, periodic ground-water levels for 772 wells and no miscellaneous water-level measurements; quality-of-water for 29 surface-water sites and 207 wells. The data represent the National Water Data System records collected by the U.S. Geological Survey and co-operation with local, state, and federal agencies in Florida.				
14. SUBJECT TERMS *Florida, *Hydrologic data, *Surface Water, *Ground Water, *Water Quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses, Elevations, Water wells.			15. NUMBER OF PAGES 419	
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VOLUME 2A: SOUTH FLORIDA

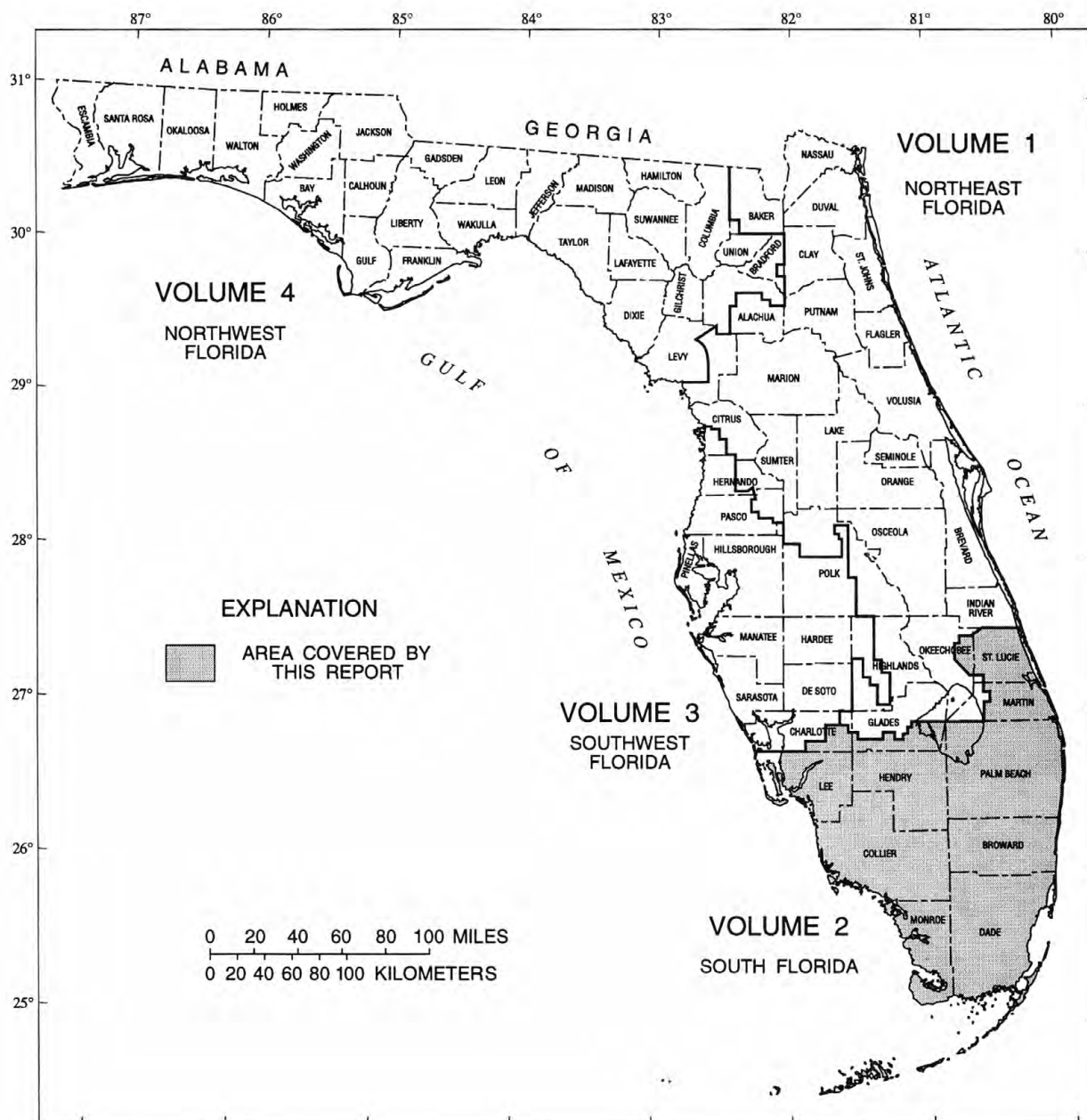


Figure 1. Geographic area covered by this report.

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VOLUME 2A: SOUTH FLORIDA

CONTENTS

Preface	III
Introduction	1
Cooperation	2
Summary of Hydrologic Conditions	3
Special Networks and Programs	16
Explanation of the Records	18
Station Identification Numbers	18
Downstream Order System	18
Latitude-Longitude System	18
Records of Stage and Water Discharge	19
Data Collection and Computation	19
Data Presentation	20
Station Manuscripts	20
Daily Table of Daily Mean Values	21
Statistics of Monthly Mean Data	21
Summary Statistics	22
Identifying Estimated Daily Discharge	23
Accuracy of the Records	23
Other Records Available	24
Records of Surface-Water Quality	24
Classification of Records	24
Arrangement of Records	24
On-site Measurements and Sample Collection	24
Water Temperature	25
Sediment	25
Laboratory Measurements	25
Data Presentation	26
Remark Codes	27
Records of Ground-Water Levels	28
Data Collection and Computation	28
Data Presentation	28
Records of Ground-Water Quality	29
Data Collection and Computation	29
Data Presentation	29
Access to WATSTORE Data	29
Definition of Terms	31
Publications of Techniques of Water-Resources Investigations	37
Selected References	41
Stage, Discharge, and Water Quality of Streams	43
National Water-Quality Assessment (NAWQA) Data	367
Index	401

ILLUSTRATIONS

Figure 1.	Geographic area covered by this report	V
Figure 2.	South Florida Areas of Hydrologic Significance	8
Figure 3.	NASQAN Stations in Florida	17
Figure 4.	System for numbering wells and miscellaneous sites	18
Figure 5.	Location of gaging stations in the portion of the Everglades and the southeastern coastal area north of latitude 26 degrees	44
Figure 6.	Typical flow patterns at Lake Okeechobee control structures	75
Figure 7.	South Florida Water Management District, Structure 5 Complex	108
Figure 8.	Location of gaging stations in the portion of the Everglades and southeastern coastal area south of latitude 26 degrees; Florida Bay and the Florida Keys	202
Figure 9.	Tamiami Canal Outlets	203
Figure 10.	Location of gaging stations in the Big Cypress Swamp and southwestern coastal area; the Caloosahatchee River; and Charlotte Harbor and the coastal area	315

VOLUME 2A: SOUTH FLORIDA

STREAM AND LAKE GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

The following list shows the surface water sites where streamflow, stage, lake elevation, or daily water quality data are collected.

[Letters after station names designate type of data collected: (d) discharge, (e) elevation, gage heights, (q) water quality]

	STATION NUMBER	PAGE
EVERGLADES AND SOUTHEASTERN COASTAL AREA		
<u>St Lucie River:</u>		
South Fork St Lucie River		
St Lucie Canal at Lock, near Stuart, FL (d,g)	.02277000	45
Kitchings Creek near Hobe Sound, FL (d,g)	.270022080094600	73
St Lucie Canal at Lake Okeechobee (S-308), FL (d,g)	.02276870	76
St Lucie Canal below S-308 at Port Mayaca (g)	.02276871	79
Canal 1 at Indiantown Road and 133 Way near Jupiter, FL (q)	.265632080144200	80
C-1 Canal near Jupiter, FL (q)	.265631080132500	82
Loxahatchee River near Jupiter, FL (d,g)	.02277600	84
Loxahatchee River at Indiantown Road near Jupiter FL (q)	.265613080100700	86
Turnpike Borrow Canal above S-46 near Jupiter, FL (q)	.265552080085000	92
C-18 Canal at G-92 near Jupiter, FL (q)	.265437080103200	98
C-7 Canal near Jupiter, FL (q)	.265352080120400	100
West Palm Beach Canal at S352, at Canal Point, FL (d,g)	.02278000	101
West Palm Beach Canal below S352, at Canal Point, FL (g)	.02278002	103
Levee 8 Canal near Canal Point, FL (d,g)	.265501080364900	104
West Palm Beach Canal above S-5A, near Loxahatchee, FL (d)	.02278450	106
Diversions to Conservation Area No 1 at S-5A and S-5A-S, near Loxahatchee, FL (d,g)	.02278500	109
Conservation Area No 1 below S-5 Complex, near Loxahatchee, FL (g)	.02278501	112
Levee 8 Canal at West Palm Beach Canal, near Loxahatchee, FL (d,g)	.02278550	113
West Palm Beach Canal below S-5A-E near Loxahatchee, FL (d,g)	.02278600	116
West Palm Beach Canal at West Palm Beach, FL (d,g)	.02279000	118
Industrial Canal at Clewiston, FL (d,g)	.264514080550700	120
Hillsboro Canal below S-351, near South Bay, FL (d,g)	.02280500	122
Hillsboro Canal at S-6 near Shawano, FL (d,g)	.02281200	125
Hillsboro Canal near Margate, FL (d,g)	.02281400	128
Middle River Canal at S-36, near Fort Lauderdale, FL (d,g)	.02282700	130
Plantation Road Canal at S-33, near Fort Lauderdale, FL (d,g)	.02283200	133
North New River Canal at S-2 and S-351, near South Bay, FL (d,g)	.02283498	135
North New River Canal below S-2 and S-351, near South Bay, FL (d,g)	.02283500	138
Site 7 in Conservation Area No. 1 near Shawano, FL (g)	.263180080205001	141
Site 8T in Conservation Area No. 1 near Boynton Beach, FL (g)	.263050080145001	142
Site 8C near L-40 in Conservation Area No. 1 near Boynton Beach, FL (g)	.263000080120001	143
Site 9 in Conservation Area No. 1 near Boynton Beach, FL (g)	.262750080175001	144
Site 15 near L-39 in Conservation Area No. 2A near Shawano, FL (g)	.262400080250001	145
E-4 Canal at Clint-Moore Road, Boca Raton, FL (g)	.262358080055700	146
E-3 Canal at NW 51st Street, Boca Raton, FL (g)	.262337080074800	147
Hillsboro Canal at S-10-D near Deerfield Beach, FL (g)	.262300080220001	148
Hillsboro Canal at S-10-C near Deerfield Beach, FL (g)	.262200080210001	150
Hillsboro Canal at S-10-A near Deerfield Beach, FL (g)	.262100080190001	152
S-150 at Terrytown, FL (d,g)	.262007080321500	154
North New River Canal at S-7 at Terrytown, FL (d,g)	.02284300	156
E-3 Canal, SW 18th Street, Boca Raton, FL (g)	.261952080074500	158
Site 19 in Conservation Area 2A near Coral Springs, FL (g)	.261710080190001	159
North New River Canal at S-11-C near Andytown, FL (g)	.261300080280001	160
Site 17 near L-38, Conservation Area 2A near Coral Springs, FL (g)	.262240080258001	162
North New River Canal at S-11-B near Andytown, FL (g)	.261200080275001	163
Site 63 in Conservation Area No. 3A near Andytown, FL	.261117080315201	165
North New River Canal at S-11-A near Andytown, FL (g)	.261150080270001	166
Site 62 in Conservation Area 3A near Andytown, FL (d,g)	.261023080443001	168
Site 99 near L-35A in Conservation Area 2B near Sunrise, FL (g)	.260810080222001	169
South New River Canal at S-13, near Davie, FL (d,g)	.02286100	170
South New River Canal below S-13, near Davie, FL (g)	.02286101	172
Site 76 in Conservation Area 3B near Andytown, FL (g)	.260037080303401	174
Site 64 in Conservation Area 3A near Coopertown, FL (g)	.255828080401301	175

VOLUME 2A: SOUTH FLORIDA

STREAM AND LAKE GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME
continued

	STATION NUMBER	PAGE
EVERGLADES AND SOUTHEASTERN COASTAL AREA (continued)		
L-67A at Conservation Area 3A near Coopertown, FL (g)	.255447080350200	176
L-67C at Conservation Area 3B near Coopertown, FL (g)	.255420080340500	178
Site 69 in Conservation Area 3B near Coopertown, FL (g)	.255300080370001	180
Site 65 in Conservation Area 3A near Coopertown, FL (g)	.254848080432001	182
Site 34 near L-30 in Conservation Area 3B, near Miami, FL (g)	.255215080291000	183
Site 71 in Conservation Area 3B near Coopertown, FL (g)	.255250080335001	184
Snake Creek Canal at NW 67th Avenue, near Hialeah, FL (d,g)	.02286200	185
Snapper Creek Canal Extension at NW 74th Street, near Hialeah, FL (g)	.255026080231300	187
Miami Canal above S354 and S-3, at Lake Harbor, FL (g)	.02286399	188
Miami Canal at S354 and S-3, at Lake Harbor, FL (d,g)	.02286400	189
Miami Canal at S-8 near Lake Harbor, FL (d,g)	.02286700	192
Miami Canal East of Levee 30, near Miami, FL (d,g)	.02287395	194
N.W. Wellfield Canal near Dade Broward Levee near Pennsuco, FL (d,g)	.02287497	196
N.W. Wellfield Canal near Pennsuco, FL (d,g)	.02288010	198
Miami Canal at NW 36th Street, Miami, FL (d,g)	.02288600	200
BIG CYPRESS SWAMP AND SOUTHWESTERN COASTAL AREA		
Tamiami Canal Outlets, Monroe to Carnestown, FL (d,g)	.02288800	204
Tamiami Canal Outlets, 40-Mile Bend to Monroe, FL (d,g)	.02288900	206
EVERGLADES AND SOUTHEASTERN COASTAL AREA		
Shark River Slough No 1 in Conservation Area 3B near Coopertown, FL (g)	.254754080344300	208
Tamiami Canal above S-12-A, near Miami, FL (g)	.254543080491100	209
Tamiami Canal below S-12-A, near Miami, FL (d,g)	.254543080491101	210
Tamiami Canal above S-12-B, near Miami, FL (g)	.02289018	212
Tamiami Canal below S-12-B, near Miami, FL (d,g)	.02289019	213
Drainage Canal below G-136 near Clewiston, FL (d,g)	.02289027	215
Levee 3 Canal near Clewiston, FL (d, g) REVISED RECORDS OF DISCONTINUED STATION	.02289030	217
Levee 3 Canal below G-155 near Clewiston, FL (d,g)	.02289031	255
Levee 4 Canal below G-88 near Clewiston, FL (d,g)	.02289032	257
Tamiami Canal Outlets, Levee 67A to 40 Mile Bend, near Miami, FL (d,g)	.02289040	259
Tamiami Canal below S-12-C, near Miami, FL (d,g)	.02289041	261
Tamiami Canal above S-12-D, near Miami, FL (g)	.254543080405400	263
Tamiami Canal below S-12-D, near Miami, FL (d,g)	.254543080405401	264
Tamiami Canal above S-333, near Miami, FL (d,g)	.02289050	266
Tamiami Canal Outlets, Levee 30 to L-67A, near Miami, FL (d,g)	.02289060	268
N.W. Wellfield Canal at Conservation Area No. 3 near Pennsuco, FL (d,g)	.02289096	270
Tamiami Canal near Coral Gables, FL (d,g)	.02289500	272
Northeast Shark River Slough No 2 near Coopertown, FL (g)	.254315080331500	274
Northeast Shark River Slough No 1 near Coopertown, FL (g)	.254130080380500	275
L-67 Extended Canal West, near Florida City, FL (g)	.254100080402400	277
Northeast Shark River Slough East of L-67 Ext. near Richmond Heights, FL (g)	.254100080402200	278
Northeast Shark River Slough No 4, North of Grossman, FL (g)	.253828080391100	279
Northeast Shark River Slough No 5, South of Grossman, FL (g)	.253753080393600	282
Black Creek Canal at S-21, near Goulds, FL (d,g)	.02290710	283
Levee 31W Canal at S-332, near Florida City, FL (d,g)	.252523080352500	286
Levee 31 North Extension at 1 mile near West Miami, FL (d,g)	.022907647	289
Levee 31 North Extension at 3 mile near West Miami, FL (d,g)	.02290765	291
Levee 31 North Extension at 4 mile near West Miami, FL (d,g)	.02290766	293
Levee 31 North Extension at 5 mile near West Miami, FL (d,g)	.02290767	295
Levee 31 North Extension at 7 mile near West Miami, FL (d,g)	.02290768	297
Canal 111 above S-18-C, near Florida City, FL (d,g)	.02290769	299
Everglades 5A in C-111 Basin near Homestead, FL (g)	.251716080342100	301
Everglades 5B in C-111 Basin near Homestead, FL (g)	.251724080341400	302
Everglades 2B in C-111 Basin near Homestead, FL (g)	.251855080283400	303
Everglades 2A in C-111 Basin near Homestead, FL (g)	.251906080283400	304
Everglades 1 in C-111 Basin near Homestead, FL (g)	.251946080254800	305
Everglades 4 in C-111 Basin near Homestead, FL (g)	.252036080324300	306
Everglades 3 in C-111 Basin near Homestead, FL (g)	.252043080302400	307

WATER RESOURCES DATA - FLORIDA, 1996
VOLUME 2A: SOUTH FLORIDA

PAGE XI

STREAM AND LAKE GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME
continued

	STATION NUMBER	PAGE
<u>BIG CYPRESS SWAMP AND SOUTHWESTERN COASTAL AREA</u>		
Barron River Canal near Everglades, FL (d,g)	.02291000	310
Lake Trafford near Immokalee, FL (e)	.02291200	312
Imperial River near Bonita Springs, FL (d,g)	.02291500	313
Spring Creek Headwater near Bonita Springs, FL (d,g)	.02291524	316
North Branch Estero River at Estero, FL (d,g)	.02291580	318
South Branch Estero River at Estero, FL (d,g)	.02291597	320
Sixmile Cypress Creek North Near Ft. Myers, FL (d,g)	.02291669	322
Tenmile Canal at Control Near Estero, FL (d,g)	.02291673	324
<u>CALOOSAHATCHEE RIVER</u>		
Caloosahatchee Canal at Moore Haven, FL (d,g)	.02292000	326
Caloosahatchee Canal at Ortona Lock near La Belle, FL (d,q)	.02292480	328
Townsend Canal near Alva, FL (d,g)	.02292780	333
Caloosahatchee River at S-79 near Olga, FL (d,q)	.02292900	334
Meade Canal at Cape Coral, FL (d,g)	.02293214	337
Mackinac Canal at Cape Coral, FL (d,g)	.02293216	339
Whiskey Creek at Whiskey Creek Club near Ft. Myers, FL (d,g)	.02293230	341
<u>CHARLOTTE HARBOR AND COASTAL AREA</u>		
Aries Canal at Cape Coral, FL (d,g)	.02293240	343
<u>CALOOSAHATCHEE RIVER</u>		
San Carlos Canal at Cape Coral, FL (d,g)	.02293241	345
Courtney Canal at Cape Coral, FL (d,g)	.02293243	347
<u>CHARLOTTE HARBOR AND COASTAL AREA</u>		
Matlacha Pass at Parrots Perch near St James City, FL (g)	.02293280	349
Matlacha Pass at Matlacha, FL (g,q)	.02293343	351
Shadroe Canal at Cape Coral, FL (d,g)	.02293345	357
Horseshoe Canal at Cape Coral, FL (d,g)	.02293346	359
Hermosa Canal at Cape Coral, FL (d,g)	.02293347	361
Gator Slough at U.S. 41 near Ft. Myers, FL (d,g)	.264437081550100	363
Gator Slough at SR 765 near Ft. Myers, FL(d,g)	.264139082022100	365

VOLUME 2A: SOUTH FLORIDA

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

The following continuous-record surface-water stage and discharge stations in South Florida have been discontinued. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station. Discontinued project stations with less than 3 years have not been included. Information regarding these stations may be obtained from the subdistrict office at the address given on the back side of the title page of this report. Drainage area is indeterminate for all of the stations listed below.

Station name	Station number	Period of record water years published
Airplane Prairie near Monroe, FI (e)	260345081053500	1979 - 1980
Angelfish Creek near Florida City, FI (e)	02290757	1971 only
Barnes Sound at Key Largo, FI (e)	02290784	1971 only
Barnes Sound near Florida City, FI (e)	02290760	1967 - 1968
Big Cypress Swamp at Everglades Parkway, near Sunniland, FI (d)	02288830	1970 - 1971
Big Cypress Swamp at Training Airport, near Miami, FI (d)	02288970	1970 - 1974
Big Cypress Swamp below Training Airport, near Miami, FI (e)	02288971	1970 - 1974
Big Cypress Swamp Pinelands near monroe, FI (e)	255737081043200	1979 - 1980
Big Cypress Watershed at Everglades Pky, nr Big Cypress Indian Reservation, FI (d)	02289033	1970 - 1971
Billy Creek at Ft Myers, FI (e)	02293200	1944 - 1955
Biscayne Bay at Coconut Grove, Miami, FI (e)	02290540	1963 - 1981
(formerly published under station number 02290755)		
Biscayne Bay at Elliott Key, near Homestead, FI (e)	02290737	1967 - 1968
Biscayne Bay at Key Biscayne, near Miami Beach, FI (e)	02290543	1964, 1967- 1968
(formerly published under station number 02290753)		
Biscayne Bay at North Miami, FI (e)	02290750	1963 - 1981
Biscayne Bay near Homestead, FI (e)	02290732	1963 - 1981
(formerly published under station number 02290760)		
Biscayne Bay at Ragged Key No. 5 near Florida City, FI (e)	02290705	1971 only
Biscayne Canal at Red Road, near Opa-Locka, FI (e)	02286320	1963 - 1979
Biscayne Canal at North Miami, FI (e)	02286330	1963 only
Biscayne Canal at S-28, near Miami, FI (d)	02286340	1962 - 1985
Black Creek near Richmond Heights, FL (e)	02290707	1971 - 1979
Black Creek Canal below S-21 near Goulds, FI (e)	02290711	1971 only
Broad River near Everglades, FI (d)	02290880	1962 - 1965
(period of record published in 1967 volume 2A)		
C-2 Canal above S-4 near Deerfield Beach, FI (e)	02281490	1989 - 1993
C-2 Canal below S-4 near Deerfield Beach, FI (e)	02281491	1989 - 1993
Camelot Canal at Control at Cape Coral, FI (e)	02293245	1987 - 1990
Camelot Canal below Control at Cape Coral, FI (e)	02293246	1987 - 1992
Canal 60 at S-140 near Ft. Lauderdale, FI (d)	02286962	1970 - 1981
Canal 111 above S-197 near Florida City, FI (d)	251713080263300	1984 only
Canal 111 at Clv. 5 between S-18C and S-197 nr Homestead, FI (e)	251823080294200	1984 - 1985
Canal 111 at U.S. Highway 1, near Florida City, FI (e)	02290780	1967 - 1969
Canal 111 below S-18-C near Florida City, FI (e)	02290770	1967 - 1969
Canal C-18 near Jupiter, FI (d)	265218080144300	1980 - 1982
Canal M near Mangonia Park, FI (d)	02277900	1970 - 1977
Card Sound at Angelfish Creek near Florida City, FI (e)	02290756	1971 only
Card Sound at Model Land Canal, near Florida City, FI (e)	02290750	1967 - 1981
Card Sound Canal near Florida City, FI (d)	02290739	1972 - 1974
Cape Florida Channel near Key Biscayne, FI (e)	02290590	1970 only
Cesar Creek at Adam Key, near Florida City, FI (e)	02290738	1971 only
Charlotte Harbor at Bokeelia, FI (e)	02293340	1990 - 1993
Cocohatchee River Canal near Naples, FI (d)	02291400	1966 only
Cocohatchee River Canal near Naples Park, FI (d)	02291393	1969 - 1984
Comfort Canal at N.W. 29th Avenue, Miami, FI (e)	02290520	1962 - 1970
(formerly published as South Fork Miami River at N.W. 29th Avenue)		
Coral Gables Canal at Red Road, Coral Gables, FI (e)	02290560	1963 - 1970
Coral Gables Canal at Tamiami Canal, near Coral gables, FI (d)	02290550	1960 - 1963
Coral Gables Canal near South Miami, FI (d)	02290580	1961 - 1966
Cypress Creek Canal at S-37A, near Pompano Beach, FL (D)	02282100	1964 - 1985
Cypress Creek near Jupiter, FI (d)	265816080110000	1980 - 1982

VOLUME 2A: SOUTH FLORIDA

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS--continued

Station name	Station number	Period of record water years published
East Tributary North Fork Loxahatchee River nr Hobe Sound, FI (d)	270036080070500	1980 - 1981
El Rio Canal near Boca Raton, FI (d)	02281625	1970 - 1972
	gage heights only	1973 - 1977
El Rio Canal, SW 18th Street, Boca Raton, FI (e)	261953080054900	1982 - 1985
Equalizing Canal 1 near Greenacres City, FI (e)	02281419	1970 - 1972
Equalizing Canal 1 near Delray Beach, FI (e)	02281425	1970 - 1977
Equalizing Canal 3 near Greenacres City, FI (e)	02281513	1970 - 1977
Equalizing Canal 3 near Delray Beach, FI (e)	02281532	1970 - 1972
Equalizing Canal 3 near Boca Raton, FI (e)	02281544	1970 - 1977
Everglades 1-128S near Boynton Beach, FI (e)	02281282	1974 - 1975
Everglades 1-141S near Loxahatchee, FI (e)	02281278	1974 - 1976
Everglades 1-142S near Delray Beach, FI (e)	02281291	1974 - 1976
Everglades 159 south of pump station 6 near Andytown, FI (e)	262300080263501	1977 - 1980
Everglades 160 south of pump station near Lake Harbor, FI (e)	261557080464301	1977 - 1980
Everglades 201-NP, near Homestead, FI (e)	02290861)	1975 - 1980
Everglades 202-NP, near Miami, FI (e)	02290862)	1975 - 1980
Everglades 203-NP, near Homestead, FI (e) (formerly published as Everglades P-5S)	02290832	1974 - 1980
Everglades 204-NP near Homestead, FI (e) (formerly published as Everglades P-145)	02290829	1974 - 1980
Everglades 205-NP, near Miami, FI (e)	02290868	1975 - 1980
Everglades 206-NP, near Miami, FI (e)	02290811	1975 - 1980
Everglades 207 near Homestead, FI (e) (formerly published as "Everglades P-37 near Homestead")	02290810	1963 - 1980
Everglades 2-111S near Andytown, FI (e)	02284642	1974 - 1981
Everglades 2-112S near Margate, FI (e)	02284644	1974 - 1976
Everglades 3-62S near Andytown, FI (e)	02286960	1974 - 1979
Everglades 3-63S near Andytown, FI (e)	02286998	1974 - 1979
Everglades 3-64S near Miramar, FI (e)	02286970	1974 - 1979
Everglades 3-65S near Miami, FI (e)	02289043	1974 - 1980
Everglades P-33 near Homestead, FI (e)	02290815	1963 - 1980
Everglades P-34 near Homestead, FI (e)	02290870	1963 - 1980
Everglades P-35 near Homestead, FI (e)	02290830	1963 - 1980
Everglades P-36 near Homestead, FI (e)	02290828	1969 - 1980
Everglades P-38 near Homestead, FI (e)	02290820	1963 - 1980
Everglades P-103 near Florida City, FI (e)	02290790	1967 - 1969
Everglades P-104 near Florida City, FI (e)	02290794	1967 - 1969
Fakahatchee Slough at Janes Road near Copeland, FI (d)	02291047	1970 - 1972
Faka Union Canal near Copeland, FI (d)	02291143	1970 - 1984
Faka Union Canal near Deep Lake, FI (d)	260342081312500	1978 - 1984
Faka Union Canal near Sunniland, FI (e)	261616081314400	1978 - 1984
Florida Bay at Flamingo, FI (e)	02290825	1963 - 1980
Florida City Canal near Florida City, FI (e)	02290735	1963 - 1967
Garden Cove near Key Largo, FI (e)	02290786	1967 - 1968
Gator Hook Strand near Ochopee (e)	254724081111300	1979 - 1980
Golden Gate Canal at Naples, FI (d)	02291300	1965 - 1984
Golden Gate Canal near Naples, FI (d)	261148081401700	1978 - 1984
Golden Gate Canal near Sunniland, FI (d)	261642081334200	1978 - 1984
Gordon River at Naples, FI (e)	02291280	1972 - 1984
Goulds Canal near Goulds, FI (e) (formerly published under station number 02290715)	02290711	1963 - 1967
Grand Canal near Florida City, FI (d)	02290734	1972 - 1974
Gum Slough near Monroe, FI (e)	254230081022000	1979 - 1980
Harney River near Homestead, FI (d) (gage heights only 1968 - 1969)	02290860	1960 - 1967
Henderson Creek Canal near Naples, FI (d)	02291270	1968 - 1984
Henry Creek at Henry Creek Lock near Sherman, FI (This station was transferred to the Altamonte Springs Office)	02275705	1993 - 1995

VOLUME 2A: SOUTH FLORIDA

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS--continued

Station name	Station number	Period of record water years published
Hillsboro Canal at S-39, near Deerfield Beach, FI (e)	02281300	1957 - 1967
Hillsboro Canal in Cons. Area No. 1 at S-6 nr Shawano, FI (e)	02281201	1963 - 1968
Hillsboro Canal near Deerfield Beach, FI (d)	02281500	1940 - 1991
Hillsboro Canal below Deerfield Locks, Deerfield Beach, FI (e)	02281501	1963 - 1991
Hillsboro River at Deerfield Beach, FI (e)	02281650	1968 - 1978
Hobe Groves Ditch, near Jupiter, FI (d)	265907080103000	1980 - 1982
Hollywood Canal at Dania, FI (d)	02286150	1962 - 1967
Intracoastal Waterway at Barnes Point, near Florida City, FI (e)	02290762	1971 only
Intracoastal Waterway at Blue Heron Blvd. at Riveria, Beach, FI (e)	02277960	1971 - 1977
Intracoastal Waterway at Delray Beach, FI (e)	02279520	1971 - 1973
Intracoastal Waterway at Donald Ross Road, nr Juno Beach, FI (e)	02277730	1971 - 1973
Intracoastal Waterway at Golden Beach, FI (e)	02281670	1970 - 1979
Intracoastal Waterway at Hollywood, FI (e)	02286160	1968 - 1978
Intracoastal Waterway at Lauderdale-by-the Sea, FI (e)	02282300	1968 - 1978
Intracoastal Waterway at Port Everglades, at Hollywood, FI (e)	02286143	1968 - 1978
Intracoastal Waterway at Southern Blvd. at Palm Beach, FI (e)	02277994	1971 - 1973
Intracoastal Waterway at SR 706 at Jupiter, FI (e)	02277738	1980 - 1981, 1989 - 1992
Intracoastal Waterway at SR 707 at Jupiter, FI (e)	02277747	1980 - 1981, 1989 - 1992
Lateral 47 Canal at Boca Raton, FI (e)	02281468	1989 - 1991
Lateral Canal at Seminole Road near Loxahatchee, FI (e)	02278698	1973 - 1977
Lateral Canal in Acme Drainage District, near Loxahatchee, FI (e)	02281297	1973 - 1977
Lateral Canal in Loxahatchee Groves near Loxahatchee, FI (e)	02278732	1973 - 1977
Lateral Canal on 130th Ave. North, near Jupiter, FI (e) (formerly published as Lateral Canal on Hynie Lane Road)	02277470	1973 - 1977
Lateral Canal on Jupiter Farms Road, near Jupiter, FI (e)	02277480	1973 - 1977
Levee 3 Canal near Clewiston, FI (d)	02289030	1970 - 1990
Revised 1978-90 in WRD-2A-96		
Levee 28 Tieback Canal, near Andytown, FI (e)	02289027	1970 - 1974
Levee 30 near Miami Springs, FI	02289100	1960 - 1964
Levee 67 Extended Canal near Richmond Heights, FI (e)	02290827	1971 - 1980
Levee 67 Extended Canal at South End near Coopertown, FI (e)	253735080402100	1977 - 1980
Little River Canal at Palm Avenue, Hialeah, FI (e)	02286350	1963 - 1979
Little River Canal at S-27, at Miami, FI (d)	02286380	1960 - 1969, 1973 - 1985
Lostmans River near Everglades, FI (d) (period of record published in 1967 volume 2A)	02290920	1962 - 1965
Loxahatchee River at Jupiter, FI		
Loxahatchee River at Sunshine State Parkway, near Jupiter, FI (d)	265713080095600	1980 - 1982
Loxahatchee River near Hobe Sound, FI (e)	265916080083500	1977 - 1981
M-1 Canal at Canal M near Royal Palm Beach, FI (e)	02278760	1975 - 1977
M-2 Canal in Royal Palm Beach Colony near Loxahatchee, FI (e)	02277750	1973 - 1977
Manatee Bay at Canal 111, near Florida City, FI (e)	02290782	1967 - 1969
Main Lake Outlet near Ft Myers, FI (e)	02291736	1988 - 1989
Matlacha Pass at Indian Field Island near Matlacha, FI (e)	02293342	1991 - 1993
Miami Canal above S-8, near Lake Harbor, FI (e) (formerly Miami Canal at S-8 (auxiliary) 02286700)	02286699	1962 - 1968
Miami Canal at broken dam, near Miami, FI (d)	02287400	1960 - 1968, 1985 - 1989
Miami Canal at N.W. 27th Avenue, Miami, FI (e)	02290510	1963 - 1979
Miami Canal at Palmetto Bypass near Hialeah, FI (d)	02288200	1960 - 1981
Miami Canal at Pennsuco near Miami, FI (d)	02287500	1963 - 1979
Miami River at Brickell Ave., Miami, FI (d)	02290530	1961 - 1966
Middle River Canal at U.S. Highway 1, near Ft. Lauderdale, FI (d)	02282800	1964 - 1967
Middle Tributary N. Fork Loxahatchee River nr Hobe Sound, FI (d)	270028080074200	1980 - 1981
Military Canal near Homestead, FI (e)	02290720	1963 - 1969
Model Land Canal near Florida City, FI (e)	02290740	1963 - 1969

VOLUME 2A: SOUTH FLORIDA

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS--continued

Station name	Station number	Period of record water years published
Model Land Canal below ML-2, near Florida City, FI (e) (formerly Model Land Canal at control "auxillary" 02290745)	02290746	1963 - 1968
Monreve Ranch drainage canal near Stuart FI (d) (formerly published under station number 02276800)	02276984	1959 - 1973
Mowry Canal near Homestead, FI (d)	02290725 gage heights only published	1970 - 1989 1963 - 1970
New River at Ft. Lauderdale, FI (d)	02286140	1963 - 1967
North Canal near Homestead, FI (e)	02290730	1963 - 1968
North Line Canal near Miami Springs, FI (d)	02289900	1960 - 1963
North New River Canal below S-34, near Ft. Lauderdale, FI (d)	02284700	1956 - 1967
North New River Canal near Ft. Lauderdale, FI (d)	02285000	1939 - 1992
North New River Canal below control near Ft. Lauderdale, FI (e) (formerly published as 02285000 North New River Canal (auxiliary))	02285001	1962 - 1992
Okaloacoochee Slough near Sunniland, FI (e)	261205081200000	1979 - 1980
Pine Channel near Big Pine, FI	244123081225301	1976 - only
Pinecrest Hammocks near Monroe, FI (e)	254635080541500	1979 - 1980
Pompano Canal at Pompano Beach, FI (d) (Prior to October 1948, published as Cypress Creek Canal at Pompano)	02282000	1964 - 1969
Pompano Canal at S-38, near Pompano Beach, FI (d)	02281700	1962 - 1967
Roberts Lake Slough near Monroe, FI (d)	02290950	1973 - 1980
Rogers River near Everglades, FI (d) (period of record published in 1967 volume 2A)	02290900	1962 - 1965
Sanibel River at Snibel, FI (e)	02293250	1972 - 1977
Savannahs Drainage Canal at Port St Lucie, FI (d)	02276568	1976 - 1977
Shark River near Homestead, FI (d) (gage heights only 1967 - 1969)	02290850	1960 - 1966
Six Mile Cypress Creek South near Ft. Myers, FI (d)	02291670	1988 - 1990
San Carlos Bay at St. James, City, FI (e)	02293288	1990 - 1992
Snake Creek Canal at S-29, at S-29, at North Miami Beach, FI (d)	02286300	1959 - 1985
Snake Creek Canal at S-30, near Hialeah, FI (d)	02286180	1963 - 1967
Snapper Creek Canal at Miller Drive, near South Miami, FI (e) (formerly published under station number 02290600)	02290610	1963 - 1981
Snapper Creek Canal near Coral Gables, FI (d)	02290600 gage heights only published	1960 - 1967 1968 - 1980
Snapper Creek Canal at S-22, near South Miami, FI (d)	02290700	1959 - 1985
South Fork Miami River at N.W. 29th Avenue, Miami, FI (e)	See Comfort Canal at N.W. 29th Avenue	
South New River Canal in Conservation Area No. 3 at S-9 (e)	02285399	1963 - 1970
South New River Canal at S-9 near Davie, FI (d)	02285400	1958 - 1970
South New River Canal at U.S. Highway 27 near Davie, FI (e)	02285410	1975 - only
Southwest Fork Loxahatchee River at Jupiter, FI (e)	265635080071900	1980 - 1981
Southwest Fork Loxahatchee River at S-46 (d)	02277700	1959 - 1965
Stilt City Tidal Station at Indian Field, near Matlacha, FI (e)	263935082052501	1990 - 1991
Tamiami Canal at 40-mile bend, near Miami, FI (e) (formerly published as 02288900 Tamiami Canal at 40-mile bend (auxiliary) : (1960 to 1963 water years published under 02289000, Tamiami Canal Outlets, Miami to Monroe)	02288990	1961 - 1980
Tamiami Canal at bridge 77, near Carnestown, FI (e) (formerly published as 02288800 Tamiami Canal at bridge 77 (auxiliary))	02288780	1962 - 1980
Tamiami Canal at bridge 83, near Ochopee, FI (e)	255327081161300	1979 - 1980
Tamiami Canal at bridge 96, at Monroe FI (e) (twice monthly) (formerly published as 02288900 Tamiami Canal at bridge 96 (auxiliary))	02288860	1962 - 1980
Tamiami Canal at bridge 115, near Miami, FI (e) (twice monthly) (formerly published as 02288900 Tamiami Canal at bridge 115 (auxiliary))	02288945	1962 - 1980
Tamiami Canal at Red Road, Miami, FI (e)	02290500	1963 - 1980
Tamiami Canal east of levee 30, near Miami, FI (e) (formerly published as 02289060 Tamiami east of levee 30 (auxiliary))	02289250	1963 - 1980

WATER RESOURCES DATA - FLORIDA, 1996

VOLUME 2A: SOUTH FLORIDA

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS--continued

Station name	Station number	Period of record water years published
Tamiami Canal Outlets, Miami to Monroe, FI (d)	02289000	1940 - 1963
Tamiami Canal west of levee 30, near Miami, FI (e) (twice monthly) (formerly published as 02289060 Tamiami Canal west of levee 30 (auxiliary))	02289090	1963 - 1980
Taylor Creek at HGS-6 near Okeechobee, FI (d) (This station was transferred to the Altamonte Springs Office)	02277503	1992 - 1995
Taylor Slough at Context Road near Homestead, FI (d)	252948080352700	1976 - 1980
Taylor Slough at Craighead Lake near Homestead, FI (e)	251148080410300	1979 - 1980
Taylor Slough at Royal Palm near Homestead, FI (e)	02290803	1970 - 1980
Taylor Slough near Homestead, FI (d)	02290800	1960 - 1985
U.S. Highway 441 Canal near Deerfield Beach, FI (e)	02281435	1968 - 1969
Warner Creek near Jensen Beach, FI (d)	02277107	1976 - 1977
West Rolling Oaks Feeder Canal Near Davie, FI (e)	02285420	1975 only

WATER RESOURCES DATA - FLORIDA, 1996
VOLUME 2A: SOUTH FLORIDA

PAGE 1

INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with State, County, and other Federal agencies, obtains a large amount of data pertaining to the water resources of Florida each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the Geological Survey, the data are published annually in this report series entitled "Water Resources Data - Florida, Volume 2A: South Florida Surface Water and Volume 2B: South Florida Ground Water."

This report series includes records of stage, discharge, ground-water levels, and water quality of streams, and stage, contents, and water quality of lakes, and ground-water wells. The data for south Florida include continuous or daily discharge for 73 streams, continuous or daily stage for 76 streams, continuous elevations for 1 lake; continuous ground-water levels for 222 wells, periodic ground-water levels for 772 wells; quality-of-water data for 29 surface-water sites and 207 wells.

This series of annual reports for Florida began with the 1961 water year with a report that contained only data relating to the quantities of surface water. For the 1964 water year, a similar report was introduced that contained only data relating to water quality. Beginning with the 1975 water year, the report format was changed to present, in one volume, data on quantities of surface water, quality of surface and ground water, and ground- water levels.

Prior to introduction of this series and for several water years concurrent with it, water-resources data for Florida were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-Water Supply of the United States." For the 1961 through 1970 water years, the data were published in two 5-year reports. Data on chemical quality, temperature, and suspended sediment for the 1941 through 1970 water years were published annually under the title "Quality of Surface Waters of the United States," and water levels for the 1935 through 1974 water years were published under the title "Ground-Water Levels in the United States." The above mentioned Water-Supply Papers may be consulted in the libraries of the principal cities of the United States and may be purchased from Distribution Branch, Text Products Section, U.S. Geological Survey, Books and Open-File Reports, Federal Center, Building 41, Box 25425, Denver, CO 80225.

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report FL-xx-2A", where xx represents the current water year. For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161. Additional information, including current prices, for ordering specific reports may be obtained from the Office Chief at the address given on the back of the title page or by telephone (305) 526-2895.

WATER RESOURCES DATA - FLORIDA, 1996
VOLUME 2A: SOUTH FLORIDA

COOPERATION

The U.S. Geological Survey and agencies of the State of Florida have had cooperative agreements for the collection of water-resource records since 1930. Organizations that assisted in collecting the data in this report through cooperative agreement with the Survey are:

Broward County
City of Boca Raton
City of Cape Coral
City of Deerfield Beach
City of Fort Lauderdale
City of Hallandale
City of Hollywood
Dade County Department of Environmental
Resources Management

Florida Keys Aqueduct Authority
Lee County
National Park Service, U.S. Department of the Interior
South Florida Water Management District
South Indian River Water Control District
U.S. Army Corps of Engineers

Organizations that provided data are acknowledged in station descriptions.

VOLUME 2A: SOUTH FLORIDA

SUMMARY OF HYDROLOGIC CONDITIONS

Hurricane Opal and a stalled cold front produced heavy rains during October to make it one of the wettest Octobers on record along the east and west coasts. Rainfall averaging 10.17 in. (inches), was 219 percent of the average. The Bonita Springs area, located between Ft. Myers and Naples, experienced severe flooding, with a large number of residential evacuations and road closings. This saturation of the area's canals and lakes has been increasing since August 1995. The area's lakes were at or near capacity. Highway I-75 had to be closed for a few days. Numerous homes were flooded in the Bonita Springs area. Southwest Florida had approximately 18 to 22 in. above normal rainfall for this time of the year. At 90 percent of the U.S. Geological Survey (USGS) surface-water monitoring stations on the upper east coast and south west coast, historic high stage and discharge were recorded. The USGS had five stations inundated, with one station flooded a record four times during a 2-month time period. The extreme rainfall event prompted the South Florida Water Management District (SFWMD) and the U.S. Army Corps of Engineers (USACE) to make many operational changes during the second half of October. Lake Okeechobee made no water-supply releases during October through S-354 (02286400 Miami Canal at S-354 and S-3, at Lake Harbor) and S-351 (02283498 North New River Canal at S-2 and S-351). Excess water was released from the water-conservation areas (WCA's), WCA 1 to WCA 2A. Significant releases were made all month from WCA 2A and WCA 3B. The USGS stations that monitor the water levels in the WCA's are:

02278501 Conservation Area No 1 below S-5 Complex, near Loxahatchee
 263180080205001111 Site 7 in Water Conservation Area No. 1 near Shawano
 263050080145001112 Site 8T in Water Conservation Area No. 1 near Boynton Beach
 263000080120001113 Site 8C near L-40 in Water Conservation Area No. 1 near Boynton Beach
 262750080175001114 Site 9 in Water Conservation Area No. 1 near Boynton Beach
 262400080250001115 Site 15 near L-39 in Water Conservation Area No. 2A near Shawano
 261710080190001129 Site 19 in Water Conservation Area 2A near Coral Springs
 262240080258001132 Site 17 near L-38, Water Conservation Area 2A near Coral Springs
 261117080315201135 Site 63 in Water Conservation Area No. 3A near Andytown
 261023080443001138 Site 62 in Water Conservation Area 3A near Andytown
 260810080222001139 Site 99 near L-35A in Water Conservation Area 2B near Sunrise
 260037080303401146 Site 76 in Water Conservation Area 3B near Andytown
 255828080401301147 Site 64 in Water Conservation Area 3A near Coopertown
 255447080350200148 L-67A at Water Conservation Area 3A near Coopertown
 255420080340500150 L-67C at Water Conservation Area 3B near Coopertown
 255300080370001152 Site 69 in Water Conservation Area 3B near Coopertown
 254848080432001154 Site 65 in Water Conservation Area 3A near Coopertown
 255215080291000155 Site 34 near L-30 in Water Conservation Area 3B near Miami
 255250080335001156 Site 71 in Water Conservation Area 3B near Coopertown

Water is diverted from Lake Okeechobee to the conservation areas using the Hillsboro Canal, West Palm Beach Canal, North New River Canal, Miami Canal, Industrial Canal and Levee 8 Canal. The SFWMD released excess water into the coastal canals for release to the Atlantic Ocean. Flooding occurred in both urban and agricultural areas where rainfall exceeded drainage capacity. S-197 was opened in south Florida most of October for floodcontrol. Flood-control pumping occurred during the month and backpumping into Lake Okeechobee occurred at North New River Canal at S-2 and Miami Canal at S-3. To make maximum releases into the St. Lucie Canal, the USACE lowered the operating water level at coastal structure S-80 (02277000 St. Lucie Canal at Lock, near Stuart) by 3 feet. The SFWMD diverted as much water as possible from the S-5A pump station into the Everglades Nutrient Removal (ENR) Project. Water was then pumped from the ENR Project into WCA 1 to be released to the Atlantic Ocean. The S-5A complex diverts water in four different directions. There are three gate structures and a pump structure that is one of the largest in the country. The SFWMD pumped most of the regulatory releases from Lake Okeechobee into the ENR Project. The USGS stations at the S-5A complex are:

02278450 West Palm Beach Canal above S-5A, near Loxahatchee (pump - west gate discharge)
 02278500 Diversions to Water Conservation Area No 1 at S-5A and S-5A-S (pump + south gate discharge)
 02278550 Levee 8 Canal at West Palm Beach Canal, near Loxahatchee (east + west + south gate discharge)
 02278600 West Palm Beach Canal below S-5A-E near Loxahatchee (east gate discharge)

The SFWMD worked in close coordination with the USACE, Martin County water managers and local residents to prevent potential problems in the St. Lucie Canal Basin.

SUMMARY OF HYDROLOGIC CONDITIONS (Continued)

The Caloosahatchee Basin also received major regulatory releases from Lake Okeechobee at S-77 (02292000 Caloosahatchee Canal at Moore Haven) all month except when they were prevented by local inflow into the river. In the Jupiter Farms area, approximately 120 mi (miles) north of Miami, (October 18-19) an unofficial 30 inches of rain was reported, with 20 in. of that occurring in a 24-hour period. Martin County was also inundated resulting in the two USGS stations in that area reporting historic high flows. Loxahatchee River near Jupiter (02277600 Loxahatchee River near Jupiter) had a peak flow of 2,660 ft³/s on October 18, 1995, at a peak stage of 16.39 ft (feet). Previous period of record peak flow was 734 ft³/s at 14.22 ft on November 16, 1994. At Kitchings Creek (270022080094600 Kitchings Creek near Hobe Sound), the period of record peak flow of 2,660 ft³/s, at a stage of 16.39 ft occurred on October 18, 1995, exceeding previous period of record peak flow of 493 ft³/s at 7.94 ft on November 16, 1994. Maximum releases continued at S-12 structures (02289040 Tamiami Canal Outlets, Levee 67A to 40-Mile Bend, near Miami) that provide water to Everglades National Park. The SFWMD curtailed releases through S-333 (02289050 Tamiami Canal above S-333, near Miami) according to operational guidelines. The USGS monitors the following stations to determine the total discharge through the S-12 structures:

254543080491101182 Tamiami Canal below S-12A - total discharge through S-12A
02289019 Tamiami Canal below S-12B - total discharge through S-12B
02289040 Tamiami Canal Outlets, Levee 67A to 40 Mile Bend - total discharge through S-12A, B, C, D
02289041 Tamiami Canal below S-12C - total discharge through S-12C
254543080405401 Tamiami Canal below S-12D, near Miami - total discharge through S-12D

November was the driest month overall in the past 2 years. The water-level in Lake Okeechobee declined slightly during the month. Pumping into the lake was required all month for flood control and regulatory releases. Regulatory release schedules for the Caloosahatchee River are measured at the lake outlet at S-77. The volume of water released from the lake is not affected by the local inflows or outflows of the river unless the river reaches discharge capacity. However, the release schedule for the St. Lucie Canal is measured at S-80, the river outlet to the Atlantic Ocean. If local inflows to the St. Lucie Canal and releases from the lake from S-308 (02276870 St. Lucie Canal at Lake Okeechobee [S-308]) into the canal cause flows at S-80 to exceed scheduled releases, flow from S-308 into the canal will be reduced or terminated. Local demands for water from the St. Lucie Canal can cause releases from Lake Okeechobee at S-308 to exceed S-80 scheduled releases. During the latter part of the month, releases from the lake at S-308 exceeded those at S-80. Regulatory releases from the lake through the WCA's into the Atlantic Ocean will only be made when excess canal capacity in the Everglades Agricultural Area (EAA) is available and the WCA's are below their schedule. There were 202,100 acre-ft (acre-feet) released through S-308 and 216,900 acre-ft through S-80. Some releases were made from S-351 and S-352 (02278000 West Palm Beach Canal at S-352, at Canal Point) into WCA 1. The Caloosahatchee River received heavy regulatory releases from Lake Okeechobee through S-77 all month. Because of the high stage in Lake Okeechobee, the SFWMD continued to operate S-310 to make water-supply releases into Industrial Canal (264514080550700 Industrial Canal at Clewiston). The SFWMD diverted as much water as possible from the S-5A pump station into the ENR Project. The SFWMD operated coastal structures at the normal dry-season levels. The Experimental Program of Water Deliveries to Everglades National Park Iteration 7 commenced on November 1. S-332 (252523080352500 Levee 31W Canal at S-332, near Florida City) was in operation all month. SFWMD closed S-197 on November 1. Maximum releases continued at S-12 structures, declining later in November due to declining water levels in WCA 3A. S333 remained closed during November.

During December rainfall ranged from 0.47 in. over Lake Okeechobee to 1.52 in. over coastal Palm Beach County. Only the EAA received below average rainfall. Lake Okeechobee declined as SFWMD made releases from the lake into WCA 1, WCA 2A and into L-8 Canal (265501080364900 Levee 8 Canal near Canal Point) to be released to the Atlantic Ocean most of the month. Discharge to the St. Lucie Canal through S-308 and to the Atlantic Ocean at S-80 declined to about one third during November. The discharge to the Caloosahatchee through S-77 declined to approximately one half that during November. Water was released from the lake at S-351, S-352, Levee 8 and S-310 to meet water demands in the canals. The SFWMD diverted as much water as possible from the S-5A pump station into the ENR Project. Water was then pumped from the ENR into WCA 1 to be released to the Atlantic Ocean. Due to the dry-conditions, S-5A pumping continued to decline. Releases continued at the S-12 structures at their maximum capacity. S-333 remained closed during December, and S-332 was in operation all month.

VOLUME 2A: SOUTH FLORIDA

SUMMARY OF HYDROLOGIC CONDITIONS (Continued)

Below normal rainfall continued in January during this dry season. Except for regulatory releases from Lake Okeechobee, all other flood control activities diminished during the month. The discharge to the Caloosahatchee River through S-77 declined to approximately 70 percent of the discharge during December. The discharge to the St. Lucie Canal through S-308 declined slightly as well as that to the Atlantic Ocean through S-80. Due to the dry conditions, S-5A continued to reduce releases during the month. Releases through the S-12 structures declined slightly due to the declining water levels in WCA 3A. Releases from WCA 3A into L-29 through S-333 resumed near the end of the month. The declining ground-water levels west of L-31N prompted the SFWMD to resume the releases through S-333. The Experimental Program of Water Deliveries to Everglades National Park Iteration 7 continued in the first 3 weeks. However, the U.S. Fish and Wildlife Service Endangered Species Act Biological Opinion limits the maximum pumping at S-332 to 165 ft³/s during the nesting period of the Cape Sable Seaside Sparrow from January to June.

Below normal rainfall continued into February. Due to the decline in water level in Lake Okeechobee, USACE terminated regulatory releases from the lake after the first week of the month. In the second half of the month SFWMD stopped releases from the lake into WCA 1, WCA 2A, and L-8 Canal. The USACE reduced releases from WCA 3A through the S-12 structures to 20 percent of those made during January. For 2 days, February 8-9, S-7 (02284300 North New River Canal at S-7 at Terrytown) pumped into WCA 2A to prevent a potential fish kill due to low canal stage in WCA 2. Even though elevations in WCA 3A continued to decline, SFWMD continued to make releases through S-343A and S-343B into the Big Cypress National Preserve. The USACE reduced releases through the S-12 structures due to declining water levels and lack of rainfall in the area. S-333 remained open the entire month. Canal stages in south Dade County area were low this month. The following USGS stations are representative of stage elevations in the south Dade County area:

254315080331500 Northeast Shark River Slough No. 2 near Coopertown
254130080380500 Northeast Shark River Slough No.1 near Coopertown
254100080402400 L-67 Extended Canal West, near Florida City
254100080402200 Northeast Shark River Slough East of L-67 Ext. near Richmond Heights
253828080391100 Northeast Shark River Slough No.4, North of Grossman
253753080393600 Northeast Shark River Slough No.5, South of Grossman
022907647 Levee 31 North Extension at 1 mile near West Miami
02290765 Levee 31 North Extension at 3 mile near West Miami
02290766 Levee 31 North Extension at 4 mile near West Miami
02290767 Levee 31 North Extension at 5 mile near West Miami
02290768 Levee 31 North Extension at 7 mile near West Miami
251716080342100 Everglades 5A in C-111 Basin near Homestead
251724080341400 Everglades 5B in C-111 Basin near Homestead
251855080283400 Everglades 2B in C-111 Basin near Homestead
251906080283400 Everglades 2A in C-111 Basin near Homestead
251946080254800 Everglades 1 in C-111 Basin near Homestead
252036080324300 Everglades 4 in C-111 Basin near Homestead
252043080302400 Everglades 3 in C-111 Basin near Homestead

During March 10-11, local 48 hour rainfall exceeded 7 in. over the upper east coast and averaged from 2 to 5 in. over coastal Broward County northward through St. Lucie County. Neither the USACE nor the SFWMD made regulatory releases from Lake Okeechobee this month. However, water-supply releases were made into the areas surrounding the lake, including the St. Lucie Canal, the Caloosahatchee River, the EAA, and coastal areas. Pumping into the EAA was needed only several days this month. All pumping was for flood-control purposes. The SFWMD stopped releases through S-343A and S-343B into the Big Cypress National Preserve on March 1 to facilitate sparrow nesting. For the same reason, the USACE stopped releases through the S-12 structures on March 13. For the remainder of the month, SFWMD made all scheduled releases from WCA 3A, according to their rainfall plan, into L-29 through S-333. During most of the month, rainfall brought coastal canals to their optimum levels except for those in the south Dade County area. Ground-water levels west of L-31N and canal stages in the south Dade County area continued to decline all month. Pumping at S-332 diminished this month.

SUMMARY OF HYDROLOGIC CONDITIONS (Continued)

During April, another month of below average rainfall occurred due to a lack of cold fronts. The USACE began releases from Lake Okeechobee on April 10. However, to help researchers who were studying a "red tide" outbreak on Florida's west coast, the USACE delayed releases from the lake into the Caloosahatchee River for 1 day. The SFWMD made heavy water-supply and regulatory releases from Lake Okeechobee through S-351, S-352, Levee 8 Canal, and through S-354 into primarily WCA 1 and WCA 3A due to the lower water levels in these areas. To facilitate sparrow nesting this month, no releases were made through culverts along L-28 into the Big Cypress National Preserve and through the S-12 structures. SFWMD made all scheduled releases from WCA 3A into L-29 through S-333. The ground-water level west of L-31N fluctuated with the amount of rainfall in the area. Canal stages in the south Dade County area were low all month. Pumping at S-332 was used to help maintain the water levels in this area until the last week of the month. The SFWMD maintained S-332 pumping at a minimum for environmental reasons.

The transition from dry season to wet season occurred during May. The SFWMD performed both flood control and seepage-control pumping this month, mostly during the second half of May. Due to the heavy rainfall in the second half of the month, 28 hours of flood-control pumping were performed at S-3 to pump water from the Miami Canal into Lake Okeechobee. The USACE made water-supply releases from Lake Okeechobee into the St. Lucie Canal and the Caloosahatchee River. The SFWMD opened G-136 (02289027 Drainage Canal below G-136 near Clewiston) and G-155 (02289031 Levee 3 Canal below G-155 near Clewiston) to release excess water from those canals. The SFWMD continued to divert as much water as possible into the ENR Project from the S-5A pump station. No releases were made through culverts along L-28 into the Big Cypress National Preserve and through the S-12 structures to continue the plan to promote Cape Sable Seaside Sparrow nesting this month. SFWMD made all scheduled releases from WCA 3A into L-29 through S-333. Releases from WCA 3A into WCA 3B continued until a commercial airliner crashed into the area between L-67A (255447080350200 L-67A at Conservation Area 3A near Coopertown) and L-67C (255420080340500 L-67C at Conservation Area 3B near Coopertown). The releases were terminated by SFWMD to facilitate the investigation of the crash. The SFWMD also made gravity water-supply releases from WCA 3A into L-31N/C111 basin. The Experimental Program of Water Deliveries to Everglades National Park Iteration 7 continued. Pumping at S-332 diminished, but was kept at a minimum for environmental reasons. To facilitate nesting of the Cape Sable Seaside Sparrow, the USACE requested that SFWMD divert water from L-31N into C-111. Continuing with the efforts to aid sparrow nesting, the USACE made no releases through the S-12 structures. SFWMD made all scheduled releases from WCA 3A through S-333 into L-29 only. After S-151 closed due to the airplane crash, the SFWMD made water-supply releases from L-29 into L-31/C-111.

In June, South Florida experienced a series of heavy rain episodes during the last 3 weeks of the month, mainly over Broward, Collier, and Dade Counties. The SFWMD performed heavy flood control pumping most of the month, including pumping into Lake Okeechobee at S-2 and S-3. The Cape Sable Seaside Sparrow nesting season ended, and releases from WCA 3A through S-12 structures and through culverts along L-28 were resumed. Releases at S-333 stopped. The Experimental Program of Water Deliveries to Everglades National Park Iteration 7 continued. The SFWMD opened three culverts at S-197 twice during the month due to heavy rainfall. G-136 and G-155 remained open. After S-8 (02286700 Miami Canal at S-8 near Lake Harbor) had excess pumping capacity, the SFWMD opened G-88 (02289032 Levee 4 Canal below G-88 near Clewiston) to release water from L-2 and L-3 canals to be pumped by S-8 into WCA 3A. The USACE resumed regulatory releases through S-12 structures this month and increased them to their maximum capacity due to the Cape Sable Seaside Sparrow nesting season ending. Releases were made through culverts along L-28 into the Big Cypress Preserve. The SFWMD terminated releases into L-29 through S-333 due to the high ground-water level west of L-31N. Releases from WCA 3A and WCA 3B resumed after the investigation of the airplane crash into the area between L-67A and L-67C ended. Pumping increased to near its maximum capacity this month because more water was diverted into L-31W than into C-111. The SFWMD opened three culverts at S-197 this month.

July experienced just half of its average rainfall due to a lack of thunderstorm activity during the last half of the month. Heavy rainfall over the Fourth of July, which was indirectly related to Hurricane Bertha, prevented the month from being one of the driest on record. Storms from strengthening Bertha came into south-central Florida on the July 12 and provided rainfall averaging 0.5 to 0.75 in. in an area including Glades and Hendry Counties eastward through the upper east coast and Palm Beach County. Releases were made from Lake Okeechobee all month through St. Lucie Canal at S-308, Caloosahatchee Canal at S-77. Water was released through S-351, S-352, and S-354 during the second half of the month to help alleviate declining canal water levels due to irrigation demands and lack of rainfall. The SFWMD made water-supply releases into Industrial Canal and the USACE released water into L-8 for water-supply and for regulatory releases into the Atlantic Ocean.

VOLUME 2A: SOUTH FLORIDA

SUMMARY OF HYDROLOGIC CONDITIONS (Continued)

The SFWMD continued to release excess water through G-136, G-88 and G-155 in July. Water from G-88 was pumped by S-8 into WCA 3A during the first half of the month. Releases through the S-12 structures continued this month at maximum capacity. The SFWMD resumed releases into L-29 through S-333 due to the declining ground-water levels west of L-31N. Because of dry conditions, pumping at S-332 diminished in the latter part of the month to the minimum required to maintain oxygen levels in the marshes downstream. On July 1, the SFWMD closed S-197 culverts.

A lack of organized weather systems affected Florida during August, including tropical depressions Dolly and Edouard. The water level in Lake Okeechobee changed little this month. Regulatory releases were not made; only minor water supply releases were made. The SFWMD continued to release excess water through G-136 and G-155. Releases through the S-12 structures continued this month at maximum capacity. Releases were made through culverts along L-28 into the Big Cypress Preserve. Releases from WCA 3A into L-29 through S-333 were made all month. Pumping station S-332 increased from its minimum to maximum capacity during the month. Typically one of the wettest months of the year, this September was the driest in 7 years. The month commenced with a threat from Hurricane Fran that never affected South Florida. The influence of Hurricane Hortense brought some rainfall during the first of the month. Stage in Lake Okeechobee declined all month.

Minor water-supply releases were made during September. USACE made regulatory releases through S-12 structures at its maximum capacity all month. The SFWMD also made releases through culverts along L-28 into the Big Cypress National Preserve. The SFWMD terminated releases from WCA 3A into L-29 through S-333 due to the high ground-water level in L-31N area. Because all WCA's stages were below their schedules at the end of the month, the SFWMD stopped all regulatory releases from the WCA's into the Atlantic Ocean through the coastal canals. Pumping at S-332 decreased in the first week and increased to heavy pumping again during the rest of the month.

Figure 2 shows the areas of hydrologic significance where data are collected and analyzed for this data report.

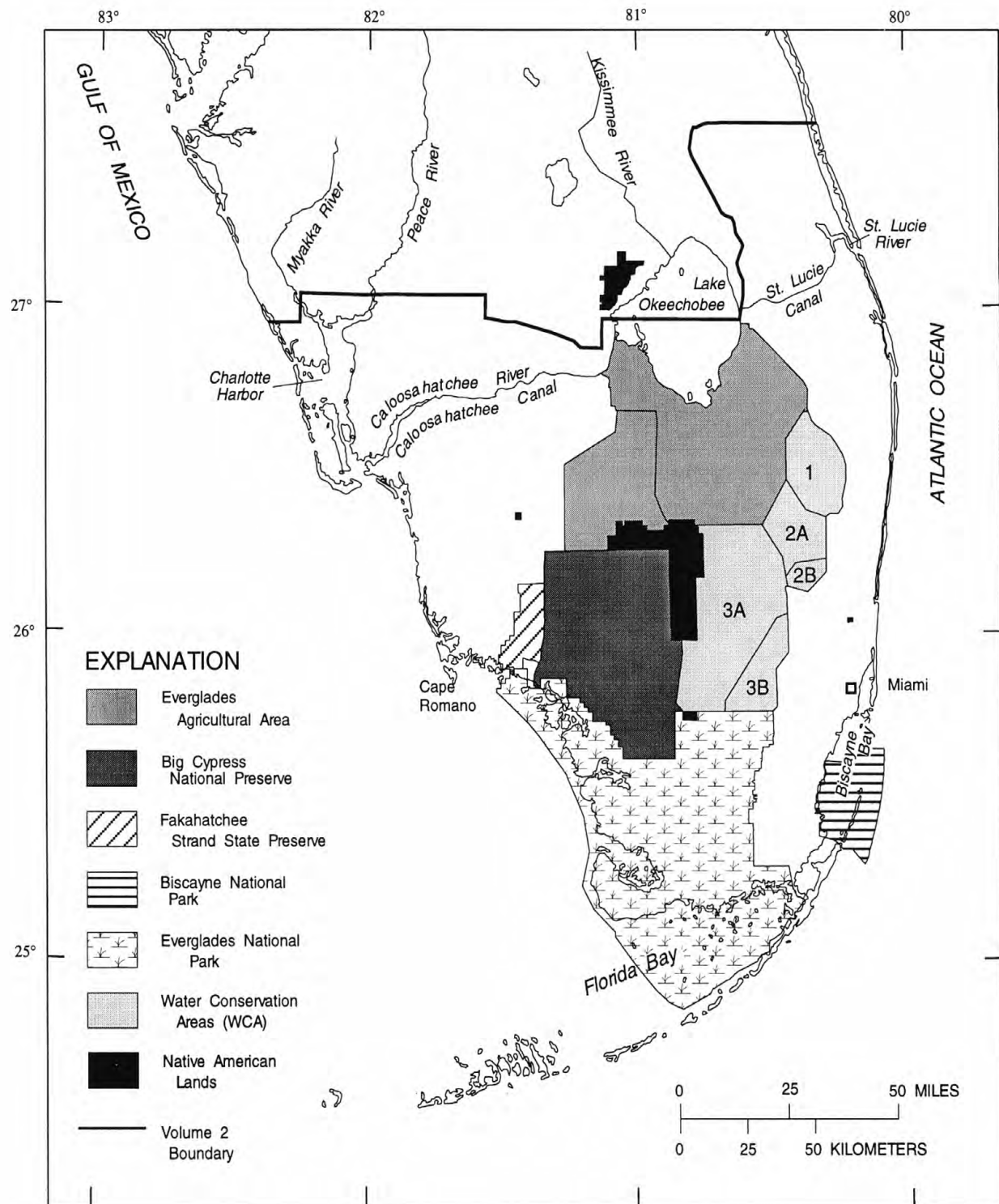


Figure 2. South Florida areas of hydrologic significance

VOLUME 2A: SOUTH FLORIDA

SUMMARY OF HYDROLOGIC CONDITIONS (continued)

The relation of period of record mean annual discharge to mean discharge for the current year for representative stations is given below (FT³/S, cubic feet per second; %, percent; ***, incomplete year of discharge):

STATION	STATION NAME Stations that release water from Lake Okeechobee to the St. Lucie Canal, the Everglades Agricultural Area, and the Caloosahatchee River	MEAN ANNUAL DISCHARGE		MEAN DISCHARGE FOR WY 1996	
		BASE PERIOD	(FT ³ /S)	(FT ³ /S)	DEPARTURE FROM MEAN, %
02276870	ST. LUCIE CANAL AT LOCK, NR STUART, FL	1953-96	960	817	-14.9
02278000	WEST PALM BEACH CANAL AT S-352	1940-96	160	323	102
02283498	NORTH NEW RIVER CANAL AT S-2 AND S-351	1968-96	152	400	163
02286400	MIAMI CANAL AT S-354 AND S-3 AT LAKE HARBOR, FL	1958-96	72.1	93.4	29.5
02292000	CALOOSAHATCHEE CANAL NR MOORE HAVEN	1939-96	865	1,637	89.2

STATION	STATION NAME Stations that pump water out of the Everglades Agricultural Area to the Water Conservation Areas	MEAN ANNUAL DISCHARGE		MEAN DISCHARGE FOR WY 1996	
		BASE PERIOD	(FT ³ /S)	(FT ³ /S)	DEPARTURE FROM MEAN, %
02278450	WEST PALM BEACH CANAL ABV S-5A, NR LOX. FL	1958-96	402	405	0.75
02281200	HILLSBORO CANAL AT S-6, NR SHAWANO, FL	1958-81 1991-96	212	***	***
02284300	NORTH NEW RIVER CANAL AT S-7, AT TERRYTOWN, FL	1960-82 1991-96	212	***	***
02286700	MIAMI CANAL AT S-8, NR LAKE HARBOR FL	1963-82 1991-96	339	508	49.9

STATION	STATION NAME Stations that release water to Shark River Slough in Everglades National Park	MEAN ANNUAL DISCHARGE		MEAN DISCHARGE FOR WY 1996	
		BASE PERIOD	(FT ³ /S)	(FT ³ /S)	DEPARTURE FROM MEAN, %
02289040	TAMIAMI CANAL OUTLETS L-67A TO 40 MILE BEND NR MIAMI	1964-96	805	1,860	131

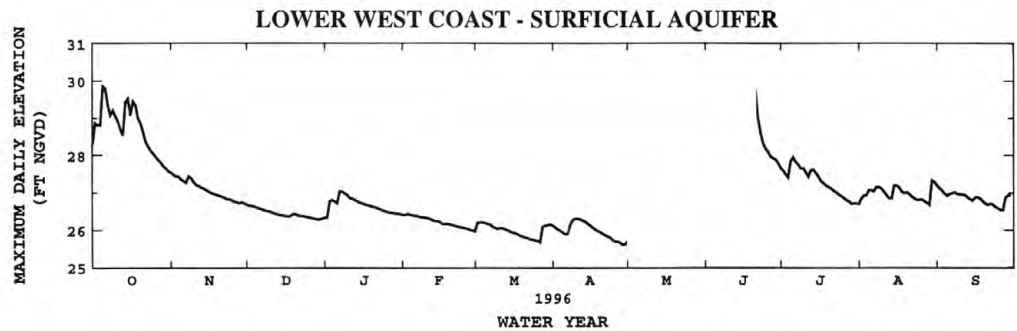
STATION	STATION NAME Stations that release water to Taylor Slough	MEAN ANNUAL DISCHARGE		MEAN DISCHARGE FOR WY 1996	
		BASE PERIOD	(FT ³ /S)	(FT ³ /S)	DEPARTURE FROM MEAN, %
252523080- 352500	LEVEE 31W CANAL ABV S-332 NR FLORIDA CITY, FL	1984-96	101	***	***

WATER RESOURCES DATA - FLORIDA, 1996

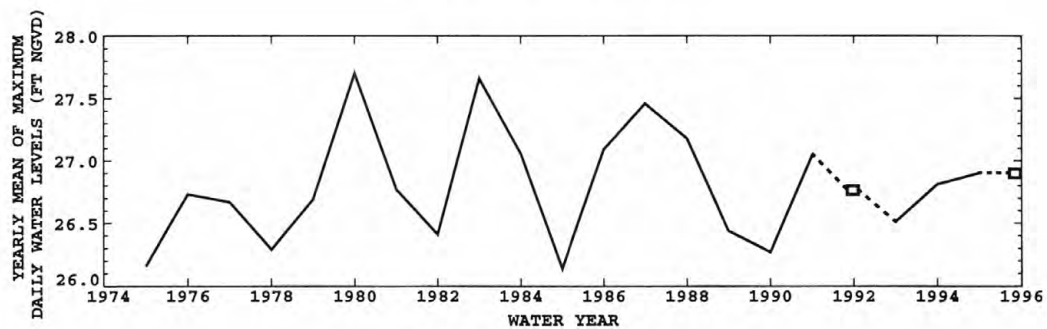
VOLUME 2A: SOUTH FLORIDA

SUMMARY OF HYDROLOGIC CONDITIONS (continued)

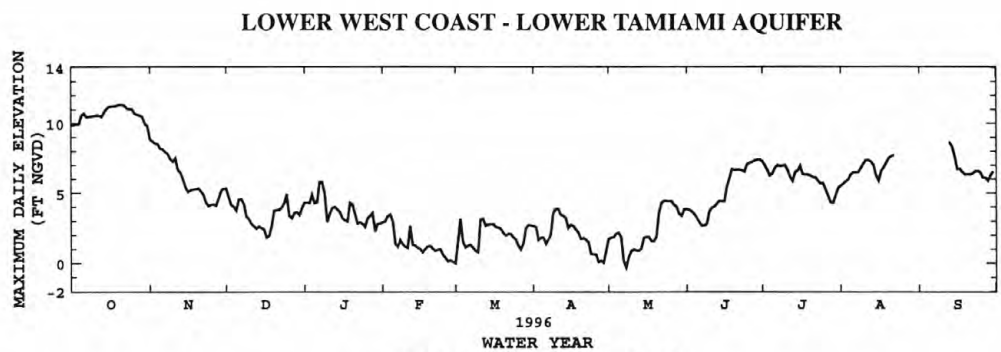
SELECTED HYDROGRAPHS FROM THE AQUIFERS OF SOUTH FLORIDA:



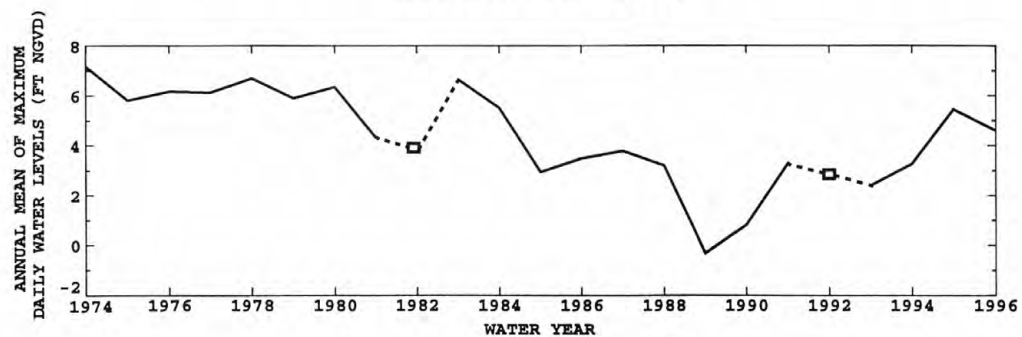
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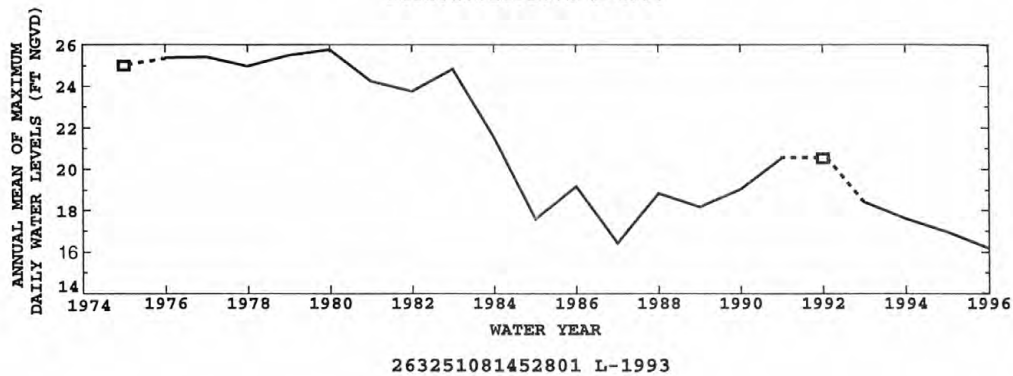
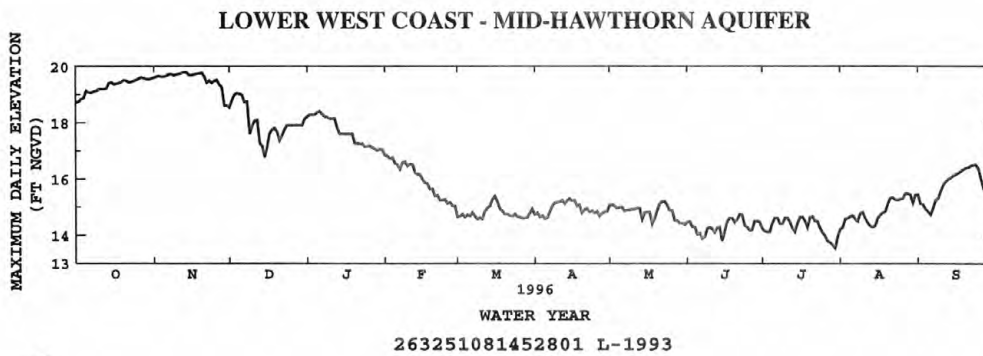
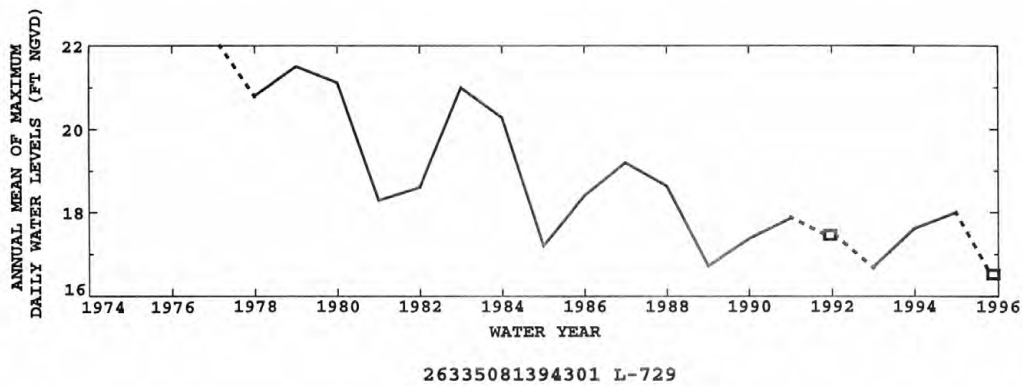
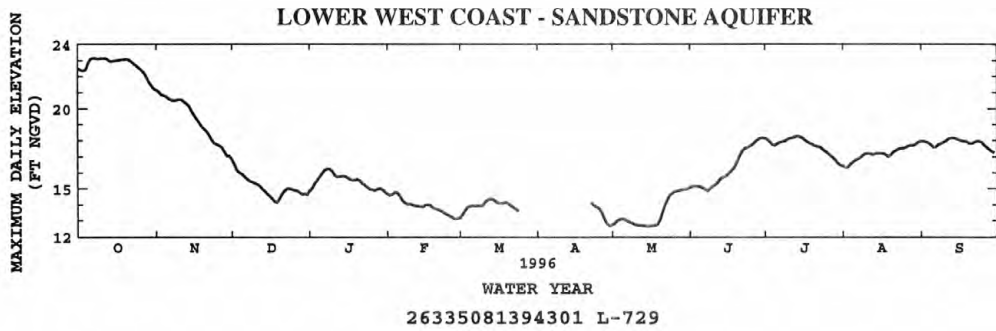


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VOLUME 2A: SOUTH FLORIDA

SUMMARY OF HYDROLOGIC CONDITIONS (continued)

SELECTED HYDROGRAPHS FROM THE AQUIFERS OF SOUTH FLORIDA:

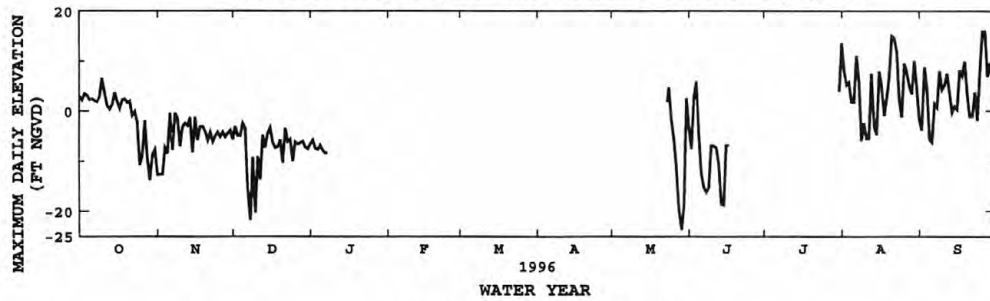


WATER RESOURCES DATA - FLORIDA, 1996

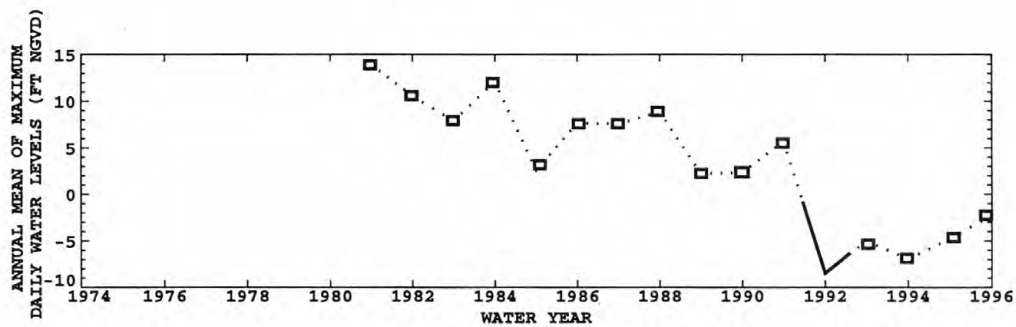
VOLUME 2A: SOUTH FLORIDA

SUMMARY OF HYDROLOGIC CONDITIONS (continued)

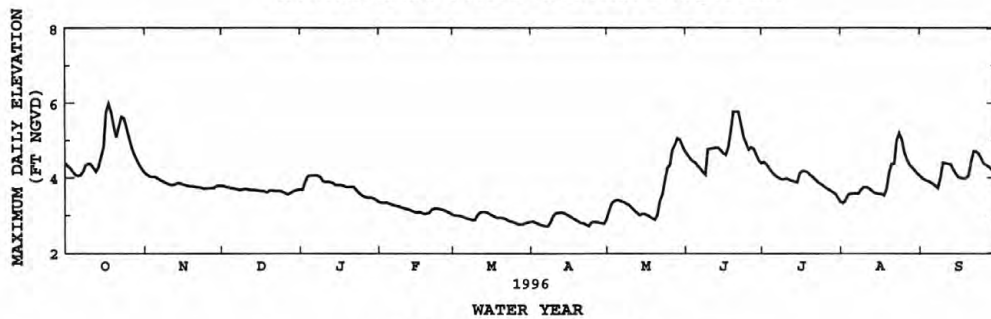
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LOWER WEST COAST - LOWER HAWTHORN AQUIFER

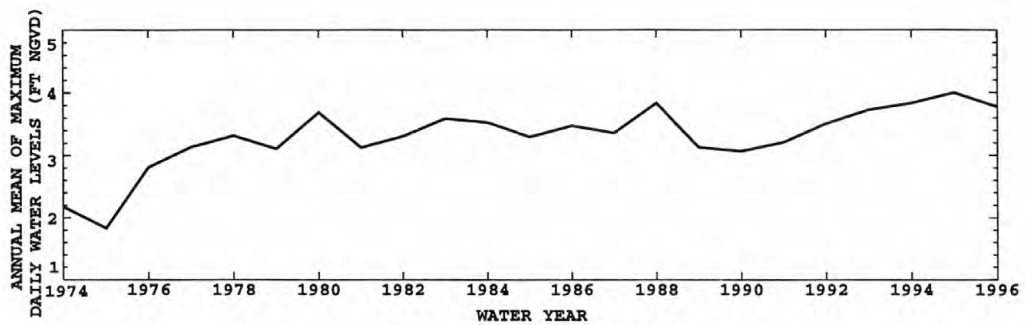
263526082010201 L-2434



263526082010201 L-2434

LOWER EAST COAST - BISCAYNE AQUIFER

253029080295601 S-196A

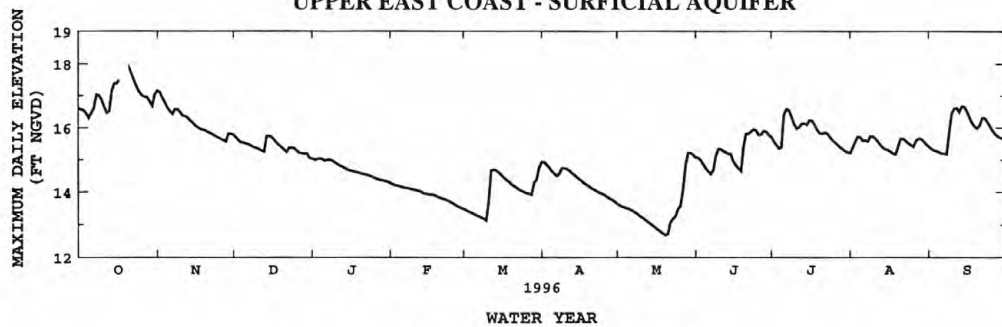


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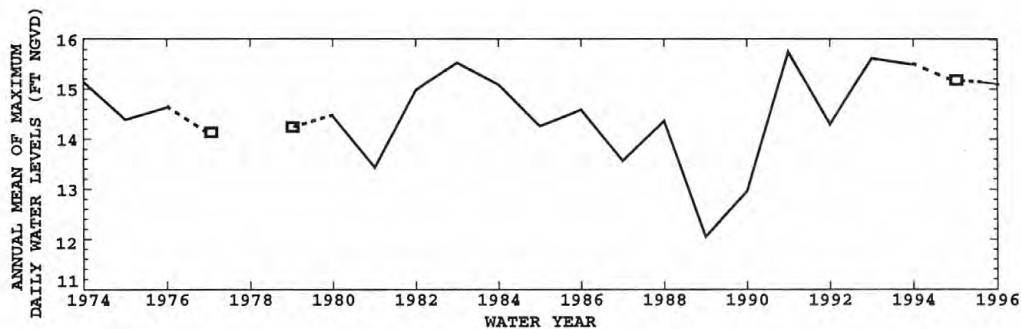
VOLUME 2A: SOUTH FLORIDA

SUMMARY OF HYDROLOGIC CONDITIONS (continued)

SELECTED HYDROGRAPHS FROM THE AQUIFERS OF SOUTH FLORIDA:

UPPER EAST COAST - SURFICIAL AQUIFER

264230080120501 PB-561



264230080120501 PB-561

EXPLANATION FOR PLOTS OF ANNUAL MEANS

- Represents annual means of the maximum daily water level for those years in which no one month is missing more than 15 days.
- Represents annual means of the maximum daily water level for those years for which one or more months are missing more than 15 days.

SUMMARY OF HYDROLOGIC CONDITIONS (continued)STATISTICS FOR STATIONS CHOSEN TO REPRESENT
SOUTH FLORIDA AQUIFERS

Table 1.

WELL	WATER YEAR PERIOD USED TO CALCULATE OVERALL MEAN	NUMBER OF WATER YEARS USED TO CALCULATE OVERALL MEAN ¹	OVERALL MEAN ¹ (feet)	STANDARD DEVIATION ¹ (feet)	MEAN FOR 1995 WATER YEAR ² (feet)	MEAN FOR 1996 WATER YEAR ² (feet)
L-730	1975-95	20	26.80	±0.47	26.90	(26.88)
L-1691	1974-95	20	4.44	±2.06	5.44	4.60
L-729	1978-95	17	18.79	±1.59	18.00	(16.61)
L-1993	1976-95	19	21.27	±3.47	16.96	16.19
L-2434 ³	1981-95	15	(3.75)	(±7.15)	(-4.76)	(-2.27)
S-196A	1974-95	22	3.28	±0.51	4.00	3.78
PB-561	1974-95	18	14.48	±0.98	(15.17)	15.12

NOTES

Values in parentheses indicate statistics that were calculated using annual data that had one or more months missing more than 15 days of record.

1 -- The overall mean and the standard deviation for all of the wells, except L-2434, were calculated using the annual means from water years which were missing no more than 15 days of record from any one month.

2 -- The means for the 1995 and 1996 water years were calculated using the annual means from water years missing no more than 15 days of record from any one month. Stations L-730, L-729, L-2434, and PB-561 did not meet this criteria for one or both water years.

3 -- Station L-2434 is subject to rapidly changing water levels which cause frequent equipment malfunctions. Of the 15 water years of data that were available to compute the statistics presented in table 1, only 1 year met the criteria described in note 1. The statistics presented for this well in table 1 used all available daily values data. This results in a mean that differs significantly from that calculated for the 1995 publications, which used only the 6 most complete water years to compute the mean. This difference from the 1995 procedure allowed more points to be included on the plot of annual means, which provided a more complete assessment of the long-term trend.

VOLUME 2A: SOUTH FLORIDA

SUMMARY OF HYDROLOGIC CONDITIONS (continued)

DISCUSSION

The annual means of the maximum daily water level for each of the stations that were selected show short-term variations that may be related to a number of factors, including precipitation and withdrawals from supply wells. In addition to these variations, the plots of the annual means for these stations suggest several long term trends (5 or more water years) that can be addressed in part qualitatively. In some cases, these trends are defined enough to discuss on a more quantitative basis. The estimates of rate of change determined for the trends discussed below are based on the mathematical comparison of specific points which were chosen because they are considered to be characteristic of the overall trend. For those wells that maintained a roughly straight line trend over the period of the estimate, the first point and last point were used to determine the average rate of change for that period. For those stations that exhibited cyclical fluctuations in annual mean water levels, points were selected so that cycle maximums and minimums would not be cross compared. For this type of estimate, the average rate of change was calculated based on both the trend of successive maximums and the trend of successive minimums, whenever possible. Both of these methods are very subjective and depend on which points are selected. In some cases, the overall trend may be better represented by a curve than a single line. In these cases, the two methods used could provide no singular trend that would match the entirety of the data. All of the rates of change presented in this section should be considered to be estimates.

The wells that were selected for the sandstone (L-729), mid-Hawthorn (L-1993), and lower Hawthorn (L-2434) aquifers on the lower west coast of Florida show a general decrease of annual means over the last 16 to 21 water years. The plot of annual mean water level for station L-729 shows a progressive decrease in the annual means. The rate of the overall decrease for the water year period 1979 to 1995 can be estimated to be between 0.2 and 0.3 ft/yr. The rate of decline for the last 12 water years appears to much lower and is estimated to be about 0.04 ft/yr.

L-1993 shows two separate trend lines that are divided by a sharp drop in the annual mean water level of about 7 ft that occurred between the 1983 and 1985 water years. The mean¹ of the annual means was 24.99 ft for the water year period 1975 to 1983 and was 18.09 ft for the water year period 1985 to 1996. The trend lines for the water year periods 1975 to 1983 and 1985 to 1996 appear to be decreasing at relatively moderate rates overall. However, it can be seen in the plot that the annual mean water levels have declined at an almost constant rate of about 0.5 ft/yr over the last 4 water years.

The data for L-2434 do not meet the criteria that were used for the other stations. However, existing data suggest two distinctly different trend lines that are separated by a 14.13-ft drop in the annual mean water level between the 1991 and 1992 water years. The mean² of the annual means up to and including the 1991 water year is 7.40 ft, while that between the 1992 and 1996 water years is -5.49 ft. For the water year period 1981 to 1991, the average rate of decline was estimated at 0.8 ft/yr. From water years 1992 to 1996, the annual increase in annual mean water level was estimated at about 0.50 to 0.70 ft/yr.

L-1691 (Lower Tamiami aquifer of the west coast) may also show two distinct trend lines, but there is no abrupt change to separate the two trends as there was for L-1993 and L-2434. The annual means for the last 7 water years for this well suggest that water levels may be recovering from the gradual decline in water levels that occurred from the 1974 to 1989 water years. Prior to the 1989 water year, there is no consistent trend that can be determined using the techniques described above. However, the rate of recovery for the water year period 1989 to 1996 can be estimated to be about 0.4 to 0.5 ft/yr.

S-196A (Biscayne aquifer of the lower east coast) shows a general increase in water levels over the last 23 water years. For most of the period, neither method of estimation described above could be applied to define one consistent trend for the overall period. From water years 1990 to 1995, the annual mean water level increased steadily from 3.07 to 4.00 ft. However, the annual mean dropped to 3.78 ft in the 1996 water year.

Stations L-730 (surficial aquifer of the lower west coast) and PB-561 (surficial aquifer of the upper east coast) do not show trends that consistently indicate increasing or decreasing water levels.

The location of these wells should be taken into consideration before making any assumptions on how the overall trends relate to conditions in the aquifer. Each of these stations represent only one point in a given aquifer. They may be influenced by conditions that only occur locally.

1 -- This mean was calculated using the annual means from water years which were missing no more than 15 days of record from any one month

2 -- Due to the extent of missing record for L-2434. Years that had one or more months missing 15 days or more were used in this calculation.

VOLUME 2A: SOUTH FLORIDA

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by human activities.

National Stream-Quality Accounting Network (NASQAN) monitors the water quality of large rivers within four of the Nation's largest river basins--the Mississippi, Columbia, Colorado, and Rio Grande. The network consists of 39 stations. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical climate of precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to accomplish the following objectives; (1) Provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 191 precipitation chemistry monitoring sites. (2) Provide the mechanism to evaluate the effectiveness of the significant reduction in SO₂ emissions that began in 1995 as implementation of the Clean Air Act Amendments (CAAA) occurred. (3) Provide the scientific basis and nationwide evaluation mechanism for implementation of the Phase II CAAA emission reductions for SO₂ and NO_x scheduled to begin in 2000.

Data from the network, as well as information about individual sites, are available through the world wide web at:

<http://nadp.nrel.colostate.edu/NADP>

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nation's ground- and surface-water resources; provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 53 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key federal, State, and local water resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet semiannually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies.

Additional information about the NAWQA Program is available through the world wide web at:

http://wwwrvares.er.usgs.gov/nawqa/nawqa_home.html



Figure 3. NASQAN stations in Florida

VOLUME 2A: SOUTH FLORIDA

EXPLANATION OF THE RECORDS

A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs, water-quality data for surface and ground water, and ground-water-level data. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station, whether streamsite or well, in this report is assigned a unique identification number. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for regular surface-water stations and the "latitude-longitude" system is used for wells and for surface-water stations where only miscellaneous observations are made.

Downstream Order System

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a mainstream station are listed before that station. A station on a tributary that enters between two mainstream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary with respect to the stream to which it is immediately tributary is indicated by an indentation in the "List of Stations" in the front of this report. Each indentation represents one rank. This downstream order and system of indentation shows which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

The station-identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete eight-digit number for each station, such as 02228500, which appears just to the left of the station name, includes the 2-digit part number "02" plus the 6- to 12-digit downstream-order number "228500." The part number designates the major river basin; for example, part "02" is the South Atlantic Slope and eastern Gulf of Mexico basins.

Latitude-Longitude System

The identification numbers for wells and miscellaneous surface-water sites are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a 1-second grid. This site identification number, once assigned, is a pure number and has no locational significance. In the rare instance where the initial determination of latitude and longitude are found to be in error, the station will retain its initial identification number; however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description. (See figure below.)

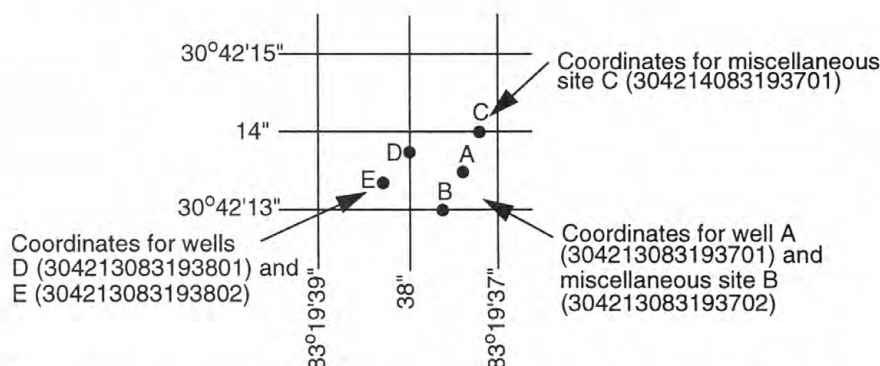


Figure 4. System for numbering wells and miscellaneous sites. (latitude and longitude)

VOLUME 2A: SOUTH FLORIDA

RECORDS OF STAGE AND WATER DISCHARGE

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Complete records of lake elevation, similarly, are those for which stage may be computed or estimated with reasonable accuracy for any time, or period of time. They may be obtained using a stage-recording device or daily or weekly observations, but need not be. Because daily mean discharges and lake elevations commonly are published for such stations, they are referred to as "daily stations."

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records." Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report.

Location of all complete-record and partial-record stations for which data are given in this report are shown in figures preceding each sub-basin.

Data Collection and Computation

The data obtained at a complete-record gaging station on a stream or canal consist of a record of stage, individual measurements of discharge throughout a range of stages, and notations regarding factors that may affect the relationships between stage and discharge. These data, together with supplemental information, such as weather records, are used to compute daily mean discharges.

Records of stage are obtained with analog recorders that trace continuous graphs of stage or with digital recorders that punch stage values on paper tapes at selected time intervals. Measurements of discharge are made with current meters using methods adopted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations, Book 3, Chapter A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If it is necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies; (3) results of indirect measurements of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow over dams or weirs; or (4) step-backwater techniques.

Daily mean discharges are computed by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by the shifting-control method, in which correction factors based on the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method also is used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. For some stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

At some stream-gaging stations, the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some gaging stations, acoustic velocity meter (AVM) systems are used to compute discharge. The AVM system measures the stream's velocity at one or more paths in the cross section. Coefficients are developed to relate this path velocity to the mean velocity in the cross section. Because the AVM sensors are fixed in position, the adjustment coefficients generally vary with stage. Cross-sectional area curves are developed to relate stage, recorded as noted above, to cross section area. Discharge is computed by multiplying path velocity by the appropriate stage related coefficient and area.

VOLUME 2A: SOUTH FLORIDA

In computing records of lake or reservoir contents, it is necessary to have available from surveys, curves or tables defining the relationship of stage and content. The application of stage to the stage-content curves or tables gives the contents from which daily, monthly, or yearly changes then are determined. If the stage-content relationship changes because of deposition of sediment in a lake or reservoir, periodic resurveys may be necessary to redefine the relationship. Even when this is done, the contents computed may become increasingly in error as the lapsed time since the last survey increases. Discharges over lake or reservoir spillways are computed from stage-discharge relationships much as other stream discharges are computed.

For some gaging stations, there are periods when no gage-height record is obtained, or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons.

For such periods, the daily discharges are estimated from the recorded range in stage, previous or following record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated from operator's logs, previous or following record, inflow-outflow studies, and other information. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

Data Presentation

Streamflow data in this report are presented in a new format that is considerably different from the format in data reports prior to the 1991 water year. The major changes are that statistical characteristics of discharge now appear in tabular summaries following the water-year data table and less information is provided in the text or state manuscript above the table. These changes represent the results of a pilot program to reformat the annual water-data report to meet current user needs and data preference.

The records published for each continuous-record surface-water discharge station (gaging station) now consist of four parts, the manuscript or station description; the data table of daily mean values of discharge for the current water year with summary data; a tabular statistical summary of monthly mean flow data for a designated period, by water year; and a summary statistics table that includes statistical data of annual, daily and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration.

Station manuscripts

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

LOCATION.--Information on locations is obtained from the most accurate base maps available. The location of the gage with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurements," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.--This indicates the period for which there are published records for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not, and whose location was such that records from it can reasonably be considered equivalent with records from the present station.

REVISED RECORDS.--Because of new information, published records occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to National Geodetic Vertical Datum of 1929 (see GLOSSARY), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

VOLUME 2A: SOUTH FLORIDA

REMARKS.--All periods of estimated daily-discharge record will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily-discharge table. (See next section, "Identifying Estimated Daily Discharge.") If a REMARKS statement is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES FOR PERIOD OF RECORD.--Extremes may include maximum and minimum stages. The highest stage may have been obtained from a graphic or digital recorder, a crest-stage gage, or by direct observation of a nonrecording gage. If the maximum stage did not occur on the same day as the maximum discharge or content, it is given separately. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and is reported in the same manner as the maximum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the U.S. Geological Survey.

EXTREMES FOR CURRENT YEAR.--Extremes given here are similar to those for the period of record.

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or, possibly, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the offices whose addresses are given on the back of the title page of this report to determine if the published records were ever revised after the station was discontinued. Of course, if the data were obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the "Remarks" and in the inclusion of a skeleton stage-capacity table when daily contents are given.

Heading for AVERAGE DISCHARGE has been deleted and the information contained in this paragraph is now presented in the tabular summaries following the discharge table or in the REMARKS paragraph, as appropriate. No changes have been made to the data presentations of lake contents.

Daily table of daily mean values

The daily table of discharge records for stream-gaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed "TOTAL" gives the sum of the daily figures for each month; the line headed "MEAN" gives the average flow in cubic feet per second for the month; and the lines headed "MAX" and "MIN" give the maximum and minimum daily mean discharges, respectively, for each month. Discharge for the month also is usually expressed in cubic feet per second per square mile (line headed "CFSM"); or in inches (line headed "IN."); or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

Statistics of monthly mean data

A tabular summary of the mean (line headed "MEAN"), maximum (line headed "MAX"), and minimum (line headed "MIN") of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those figures. The designated period will be expressed as "FOR WATER YEAR ____-____, BY WATER YEAR (WY)," and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. It will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

Summary statistics

A table titled "SUMMARY STATISTIC" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, "WATER YEARS ____-____," will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station.

The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

All of the calculations for the statistical characteristics designated ANNUAL (See line headings below), except for the "ANNUAL 7-DAY MINIMUM" statistics, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

The date or water year, as appropriate, of the first occurrence of each statistics reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in footnotes. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When this occurs, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration curve statistics and runoff data are also given. Runoff data may be omitted if there is extensive regulation or diversion of flow in the drainage basin.

The following summary statistics data, as appropriate, are provided with each continuous record of discharge. Comments to follow clarify information presented under the various line headings of the summary statistics table.

ANNUAL TOTAL.--The sum of the daily mean values of discharge for the year. At some stations the annual total discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

ANNUAL MEAN.--The arithmetic mean of the individual daily mean discharges for the year noted or for the designated period. At some stations the yearly mean discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

HIGHEST ANNUAL MEAN.--The maximum annual mean discharge occurring for the designated period.

LOWEST ANNUAL MEAN.--The minimum annual mean discharge occurring for the designated period.

HIGHEST DAILY MEAN.--The maximum daily mean discharge for the year or for the designated period.

LOWEST DAILY MEAN.--The minimum daily mean discharge for the year or for the designated period.

ANNUAL 7-DAY MINIMUM.--The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The data shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic).

INSTANTANEOUS PEAK FLOW.--The maximum instantaneous discharge occurring for the water year or for the designated period. Note that secondary instantaneous peak discharges above a selected base discharge are stored in District computer files for stations meeting certain criteria. Those discharge values may be obtained by writing to the District Office. (See address on back of title page of this report).

VOLUME 2A: SOUTH FLORIDA

INSTANTANEOUS PEAK STAGE.--The maximum instantaneous stage occurring for the water year or for the designated period. If the dates of occurrence for the instantaneous peak flow and instantaneous peak stage differ, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

INSTANTANEOUS LOW FLOW.--The minimum instantaneous discharge occurring for the water year or for the designated period.

ANNUAL RUNOFF.--Indicates the total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

Acre-foot (AC-FT) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equal to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile area drained, assuming the runoff is distributed uniformly in time and area.

Inches (INCHES) indicates the depth to which the drainage area would be covered if all of the runoff for a given time period were uniformly distributed on it.

10 PERCENT EXCEEDS.--The discharge that has been exceeded 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.--The discharge that has been exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.--The discharge that has been exceeded 90 percent of the time for the designated period.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of discharge measurements at low-flow partial-record stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified either by flagging individual daily values with the letter symbol "e" and printing a table footnote, "e Estimated," or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of the Records

The accuracy of streamflow records depends primarily on: (1) The stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements; and (2) the accuracy of measurements of stage, measurements of discharge, and interpretation of records.

The accuracy attributed to the records is indicated under "REMARKS." "Excellent" means that about 95 percent of the daily discharges are within 5 percent of their true values; "good," within 10 percent; and "fair," within 15 percent. Records that do not meet the criteria mentioned are rated "poor." Different accuracies may be attributed to different parts of a given record.

VOLUME 2A: SOUTH FLORIDA

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 ft³/s; to the nearest tenth between 1.0 and 10 ft³/s; to whole numbers between 10 and 1,000 ft³/s; and to 3 significant figures for more than 1,000 ft³/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharges listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff, in inches, are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

In March 1989 the National Water-Quality Laboratory discovered a bias in the turbidimetric method for sulfate analysis, indicating that values below 75 mg/L have a median positive bias of 2 mg/L above the true value for the period between 1982 and 1989. Sulfate values in this report have not been corrected for this bias.

Other Records Available

Information used in the preparation of the records in this publication, such as discharge-measurement notes, gage-height records, temperature measurements, and rating tables is on file in the Miami Subdistrict Office of the Florida District. Also, most of the daily mean discharges are in computer-readable form and have been analyzed statistically. Information on the availability of the unpublished information or on the results of statistical analyses of the published records may be obtained from the offices whose addresses are given on the back of the title page of this report.

RECORDS OF SURFACE-WATER QUALITY

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because interpretation of records of surface-water quality nearly always requires corresponding discharge data. Records of surface-water quality in this report may involve a variety of types of data and measurement frequencies.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A continuing-record station is a site where data are collected on a regularly scheduled basis. Frequency may be once or more times daily, weekly, monthly, or quarterly. A partial-record station is a site where water-quality data are collected systematically over a period of years, usually less frequently than quarterly. A miscellaneous sampling site is a location other than a continuing or partial-record station where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between "continuing records," as used in this report, and "continuous recordings," which refers to a continuous graph or a series of discrete values punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently.

Arrangement of Records

Water-quality records collected at a surface-water daily record station or a periodic observation station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream-order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous sites.

On-site Measurements and Sample Collection

In obtaining water-quality data, a major concern is assuring that the data obtained represent the quality of the water in its natural state. To assure this, certain measurements, such as water temperature, pH, alkalinity, specific conductance, and dissolved oxygen, need to be made onsite when the samples are taken. To assure that measurements made in the laboratory also represent the natural water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory.

VOLUME 2A: SOUTH FLORIDA

Procedures for onsite measurements and for collecting, treating, and shipping samples are detailed in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapter A1, A3, and A4. These references are listed in the PUBLICATIONS ON THE TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS section of this report. These methods are consistent with ASTM standards and generally follow ISO standards.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. All samples obtained for the National Stream Quality Accounting Network (see definitions) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals depends on flow conditions and other factors which must be evaluated by the collector.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory. For stations equipped with water-quality monitors, the records consist of daily mean values for each constituent measured and are based upon unit values (hourly or 15-minute recordings).

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily discharges of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge. Methods used in the computation of sediment records are described in the TWRI Book 3, Chapters C1 and C3. These methods are consistent with ASTM standards and generally follow ISO standards.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow and in predicting long-term sediment-discharge characteristics of the stream. In addition to the records of suspended-sediment discharge, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included for some stations.

Laboratory Measurements

Sediment samples, samples for biochemical-oxygen demand (BOD), samples for indicator bacteria, and daily samples for specific conductance are analyzed locally. All other samples are analyzed in the Geological Survey laboratory in Arvada, Colorado. Methods used to analyze sediment samples and to compute sediment records are described in the TWRI Book 5, Chapter C1. Methods used by the U.S. Geological Survey laboratories are given in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, A4, and A5. These methods are consistent with ASTM standards and generally follow ISO standards.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of "daily values" of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information, as appropriate, is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.--See Data Presentation under "Records of Stage and Water Discharge"; same comments apply.

DRAINAGE AREA.--See Data Presentation under "Records of Stage and Water Discharge"; same comments apply.

PERIOD OF RECORD.--This indicates the periods for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.--Information on instrumentation is given only if a recording or sampling device, which may be time- or event-activated, is in operation at a station.

REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the records.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES.--Maximums and minimums are given only for parameters measured daily or more frequently. None are given for parameters measured weekly or less frequently, because the true maximums or minimums may not have been sampled. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to ensure the most recent updates.

Remark Codes

The following remark codes may appear with the water-quality data in this section:

PRINT OUTPUT	REMARK
E	Estimated value.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
K	Results based on colony count outside the acceptance range (non-ideal colony count).
L	Biological organism count less than 0.5 percent (organism may be observed rather than counted).
D	Biological organism count equal to or greater than 15 percent (dominant).
&	Biological organism estimated as dominant.

Dissolved Trace-Element Concentrations

*NOTE.--Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (ug/L) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's to 100's of nanograms per liter (ng/L). Data above the ug/L level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey began using new trace-element protocols at some stations in water year 1994.

Change in National Trends Network Procedures

*NOTE.-- Sample handling procedures at all National Trends Network stations were changed substantially on January 11, 1994, in order to reduce contamination from the sample shipping container. The data for samples before and after that date are different and not directly comparable. A tabular summary of the differences based on a special intercomparison study, is available from the NADP/NTN

VOLUME 2A: SOUTH FLORIDA

RECORDS OF GROUND-WATER LEVELS

Ground-water level data from a statewide network of observation wells are published herein. The records include data from wells equipped with water-level recorders and data from wells where water levels are measured periodically.

Data Collection and Computation

Measurements of water levels are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used at each observation well ensure that measurements at each well are of consistent accuracy and reliability.

Tables of water-level data are presented by counties arranged in alphabetical order. The prime identification number for a given well is the 15-digit number that appears in the upper left corner of the table.

Water-level records are obtained from direct measurements with a steel tape, pressure gage, manometer, or from the graph or punched tape of a water-level recorder. The measurements in this report are given in feet above National Geodetic Vertical Datum of 1929 or in some tables as feet below land-surface datum. Land-surface datum is a datum plane that is approximately at land surface at each well. The elevation of the land-surface datum is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description.

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error of determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a few hundredths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given to a tenth of a foot or a larger unit.

Data Presentation

Each well record consists of two parts, the station description, the data table of water levels observed during the water year and possibly a graph of the water year or other selected period. The description of the well is presented first through use of descriptive headings preceding the tabular data. The comments to follow clarify information presented under the various headings of well description.

LOCATION.--This paragraph follows the well-identification number and reports the latitude and longitude (given in degrees, minutes, and seconds); a landline location designation; the hydrologic-unit number; the distance and direction from a geographic point of reference; and the owner's name.

AQUIFER.--This entry designates by name (if a name exists) and geologic age the aquifer(s) open to the well.

WELL CHARACTERISTICS.--This entry describes the well in terms of depth, diameter, casing depth and/or screened interval, method of construction, use, and additional information such as casing breaks, collapsed screen, and other changes since construction.

INSTRUMENTATION.--This paragraph provides information on both the frequency of measurement and the collection method used, allowing the user to better evaluate the reported water-level extremes by knowing whether they are based on hourly, daily, weekly, monthly, or some other frequency of measurement.

DATUM.--This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on), and in relation to land surface (such as 1.3 ft. above land-surface datum). The elevation of the land-surface datum is described in feet above (or below) National Geodetic Vertical Datum of 1929 (NGVD of 1929); it is reported with a precision depending on the method of determination.

REMARKS.--This entry describes factors that may influence the water level in a well or the measurement of the water level. It should identify wells that also are water quality observation wells and may be used to acknowledge the assistance of local (non-survey) observers.

PERIOD OF RECORD.--This entry indicates the period for which there are published records for the well. It reports the month and year of the start of publication of water-level records by the U.S. Geological Survey and the words "to current year" if the records are to be continued into the following year. Periods for which water-level records are available, but are not published by the Geological Survey, may be noted.

EXTREMES FOR PERIOD OF RECORD.--This entry contains the highest and lowest water levels of the period of record, with respect to land-surface datum, and the dates of their occurrence.

VOLUME 2A: SOUTH FLORIDA

A table of water levels follows the station description for each well. For wells equipped with recorders, only abbreviated tables are published; generally, daily maximums are listed for every fifth day and at the end of the month (eom). The highest and lowest water levels of the water year and their dates of occurrence are shown on a line below the abbreviated table. Because all values are not published for wells with recorders, the extremes may be values that are not listed in the table. Missing records are indicated by dashes in place of the water level. A hydrograph for a selected period of record may follow each water-level table.

RECORDS OF GROUND-WATER QUALITY

Records of ground-water quality in this report differ from other types of records in that, for most sampling sites, they consist of only one set of measurements for the water year. The quality of ground water ordinarily changes slowly; therefore, for most general purposes, one annual sampling, or only a few samples taken at infrequent intervals during the year, is sufficient. Frequent measurement of the same constituents is not necessary unless one is concerned with a particular problem, such as monitoring for trends in nitrate concentration. In the special cases where the quality of ground water may change more rapidly, more frequent measurements are made to identify the nature of the changes.

Data Collection and Computation

The records of ground-water quality in this report were obtained mostly as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some counties but none are presented for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality in the report area. Such a view can be attained only by considering records for this year in context with similar records obtained for these and other counties in earlier years.

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey TWRI publications referred to in the "On-site Measurements and Sample Collection" and the "Laboratory Measurements" sections in this data report. In addition, the TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents.

The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Data Presentation

The records of ground-water quality are published immediately following the ground-water-level records of each county. Data for quality of ground water are identified by well number. The prime identification number for wells sampled is the 15-digit number derived from the latitude-longitude locations. The Remark Codes listed for surface-water-quality records are also applicable to ground-water-quality records.

ACCESS TO WATSTORE DATA

The U.S. Geological Survey is the principal Federal water-data agency and, as such, collects and disseminates about 70 percent of the water data currently being used by numerous State, local, private, and other Federal agencies to develop and manage our water resources. As part of the Geological Survey's program of releasing water data to the public, a large-scale computerized system has been developed for the storage and retrieval of water data collected through its activities. The National Water Data Storage and Retrieval System (WATSTORE) was established in 1972 to provide an effective and efficient means for the processing and maintenance of water data collected through the activities of the U.S. Geological Survey and to facilitate release of the data to the public. A variety of useful products, ranging from data tables to complex statistical analyses such as Log Pearson Type III, can be produced using WATSTORE. The system resides on the central computer facilities of the U.S. Geological Survey at its National Center in Reston, Virginia, and consists of related files and data bases.

Station Header File - Contains descriptive information on more than 440,000 sites throughout the United State and its territories where the U.S. Geological Survey collects or has collected data.

VOLUME 2A: SOUTH FLORIDA

- * Daily Values File - Contains more than 220 million daily values of stream flows, stages, reservoirs contents, water temperatures, specific conductances, sediment concentrations, sediment discharges, and ground-water levels.
- * Peak Flow File - Contains approximately 500,000 maximum (peak) streamflow and gage-height values at surface-water sites.
- * Water Quality File - Contains approximately 2 million analyses of water samples that describe the chemical, physical, biological, and radio-chemical characteristics of both surface and ground water.
- * Ground-Water Site Inventory Data Base - Contains inventory data for more than 900,000 wells, springs, and other sources of ground water. The data includes site location, geohydrologic characteristics, well-construction history, and one-time field measurements such as water temperature.

In 1976, the U.S. Geological Survey opened WATSTORE to the public for direct access. The signing of a Memorandum of Agreement with the Survey is required to obtain direct access to WATSTORE. The system can be accessed either synchronously or asynchronously. The requestor will be expected to pay all computer costs he/she incurs. Direct access may be obtained by contacting:

U.S. Geological Survey
National Water Data Exchange
421 USGS National Center
Reston, Virginia 22092

Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the water Resources Division's District offices. (See address on the back of the title page).

VOLUME 2A: SOUTH FLORIDA

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also table for converting English units to International System (SI) Units on the inside of the back cover.

Acre-foot (AC-FT, acre-ft.) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Algae are mostly aquatic single-celled, colonial, or multi-celled plants, containing chlorophyll and lacking roots, stems, and leaves.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, while others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, non-sporeforming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms that produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C plus or minus 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms that produce blue colonies within 24 hours when incubated at 44.5°C plus or minus 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria are bacteria found also in the intestine of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as Gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C plus or minus 1.0°C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Bed material is the sediment mixture of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by micro-organisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the mass per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square mile (g/m^2).

Dry mass refers to the mass of residue present after drying in an oven at 105°C for zooplankton and periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as ash mass.

Organic mass or volatile mass of the living substance is the difference between the dry mass and ash mass and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash mass and dry mass.

Wet mass is the mass of living matter plus contained water.

Bottom material: See Bed material.

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

VOLUME 2A: SOUTH FLORIDA

Cfs-day (cubic feet per second per day) is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons, or 2,447 cubic meters.

CFSM (cubic foot per second per square mile) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common green pigments in plants.

Color unit is produced by one milligram per liter of platinum in the form of the chloro-platinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

Cubic foot per second (ft³/s or cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Cubic foot per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment) that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Annual 7-day minimum is the Discharge that is the lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1 - March 31). The data shown in the summary statistics table is the initial data of the 7-day period. (This value should not be confused with the 7-day 10 year low-flow statistic)

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved refers to that material in a representative water sample which passes through a 0.45 µm membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved-solids concentration of water is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved- solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.492 to reflect the change.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

VOLUME 2A: SOUTH FLORIDA

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations and is expressed as the equivalent concentration of calcium carbonate (CaCO_3).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an eight-digit number.

Land-surface datum (lsd) is a datum plane that is approximately at land surface at each ground-water observation well.

Measuring point (MP) is an arbitrary permanent reference point from which the distance to the water surface in a well is measured to obtain the water level.

Micrograms per gram (mg/g) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element per unit mass (gram) of material analyzed.

Micrograms per liter (UG/L, mg/L) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L and is based on the mass of dry sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD of 1929) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Organism is any living entity.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meter (m^2), acre, or hectare. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliter (mL) or liter (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Parameter code is a 5-digit number used in the U.S. Geological Survey computerized data system, WATSTORE, to uniquely identify a specific constituent. The codes used in WATSTORE are the same as those used in the U.S. Environmental Protection Agency data system, STORET. The Environmental Protection Agency assigns and approves all requests for new codes.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle size is the diameter, in millimeters (mm), of a particle determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay	0.00024 - 0.004	Sedimentation
Silt	.004 - .062	Sedimentation
Sand	.062 - 2.0	Sedimentation or sieve
Gravel	2.0 - 64.0	Sieve

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic matter is removed, and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis.

VOLUME 2A: SOUTH FLORIDA

Percent composition is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, mass, or volume.

Pesticides are chemical compounds used to control undesirable organisms. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

Picocurie (PC, pCi) is one millionth of the amount of radioactivity represented by a micro-curie, which is the quantity of radiation represented by one millionth of a gram of radium-226. A picocurie of radium results in 2.22 disintegrations per minute.

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Return period is the average time interval between occurrences of a hydrological event of a given or greater magnitude, usually expressed in years. May also be called recurrence interval.

Runoff in inches (IN., in.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Bed load is the sediment that is transported in a stream by rolling, sliding, or skipping along the bed and very close to it. In this report, bed load is considered to consist of particles in transit within 0.25 ft. of the streambed.

Bed load discharge (tons per day) is the quantity of bed load measured by dry weight that moves past a section as bed load in a given time.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft. above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Suspended-sediment discharge (tons/day) is the rate at which dry mass of sediment passes a section of a stream or is the quantity of sediment, as measured by dry mass or volume, that passes a section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft³/s) x 0.0027.

Suspended-sediment load is a general term that refers to material in suspension. It is not synonymous with either discharge or concentration.

Total-sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry mass or volume, that passes a section during a given time.

Total-sediment load or total load is a term which refers to the total sediment (bed load plus suspended-sediment load) that is in transport. It is not synonymous with total-sediment discharge.

Sodium-adsorption-ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Waters range in respect to sodium hazard from those which can be used for irrigation on almost all soils to those which are generally unsatisfactory for irrigation.

Solute is any substance that is dissolved in water.

VOLUME 2A: SOUTH FLORIDA

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water, per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Surface area of a lake is that area outlined on the latest USGS topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimeted. All areas shown are those for the stage when the planimeted map was made.

Surficial bed material is the part (0.1 to 0.2 ft.) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. It is associated with the material retained on a 0.45 mm filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45 mm membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45 mm membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchial scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, Hexagenia limbata, is the following:

Kingdom	Animal
Phylum	Arthropoda
Class	Insecta
Order	Ephemeroptera
Family	Ephemeridae
<u>Genus</u>	<u>Hexagenia</u>
<u>Species</u>	<u>Hexagenia limbata</u>

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term "temperature recorder" is used in the table headings and refers to any instrument that records temperature whether on a chart, a tape, or any other medium.

VOLUME 2A: SOUTH FLORIDA

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

Tons per day (T/DAY) is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour period.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determined all of the constituent in the sample.)

Total discharge is the total quantity of any individual constituent, as measured by dry mass or volume, that passes through a stream cross section per unit of time. This term needs to be qualified, such as "total sediment discharge," "total chloride discharge," and so on.

Total, recoverable is the amount of a given constituent that is in solution after a representative water- suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1992, is called the "1992 water year."

WDR is used as an abbreviation for "Water-Data Report" in the REVISED RECORDS paragraph to refer to State annual hydrologic-data reports (WRD was used as an abbreviation for "Water-Resources Data" in reports published prior to 1976).

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

WSP is used as an abbreviation for "Water-Supply Paper" in reference to previously published reports.

VOLUME 2A: SOUTH FLORIDA

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

The U.S. Geological Survey publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) pertains to surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

The reports listed below are for sale by the U.S. Geological Survey, Branch of Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

- 1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
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- 3-A10. *Discharge ratings at gaging stations*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.
- 3-A11. *Measurement of discharge by the moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-A12. *Fluorometric procedures for dye tracing*, Revised, by J. F. Wilson, Jr., E. D. Cobb, and F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 34 pages.
- 3-A13. *Computation of continuous records of streamflow*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.
- 3-A14. *Use of flumes in measuring discharge*, by F. A. Kilpatrick and V. R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.
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- 3-A21. *Stream-gaging cableways*, by C. Russell Wagner: USGS--TWRI Book 3, Chapter A21. 1995. 56 pages.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
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- 3-B6. *The principle of superposition and its application in ground-water hydraulics*, by T. E. Reilly, O. L. Franke, and G. D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.
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- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
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- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L.L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
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- 6-A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual*, by L. J. Torak: USGS--TWRI Book 6, Chapter A3. 1993. 136 pages.
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- 6-A6. A coupled surface-water and ground-water flow model (MODBRANCH) for simulation of stream-aquifer interaction, by Eric D. Swain and Eliezer J. Wexler. 1995. 125 pages.
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- 7-C3. *A model for simulation of flow in singular and interconnected channels*, by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
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STAGE, DISCHARGE, AND WATER QUALITY OF STREAMS

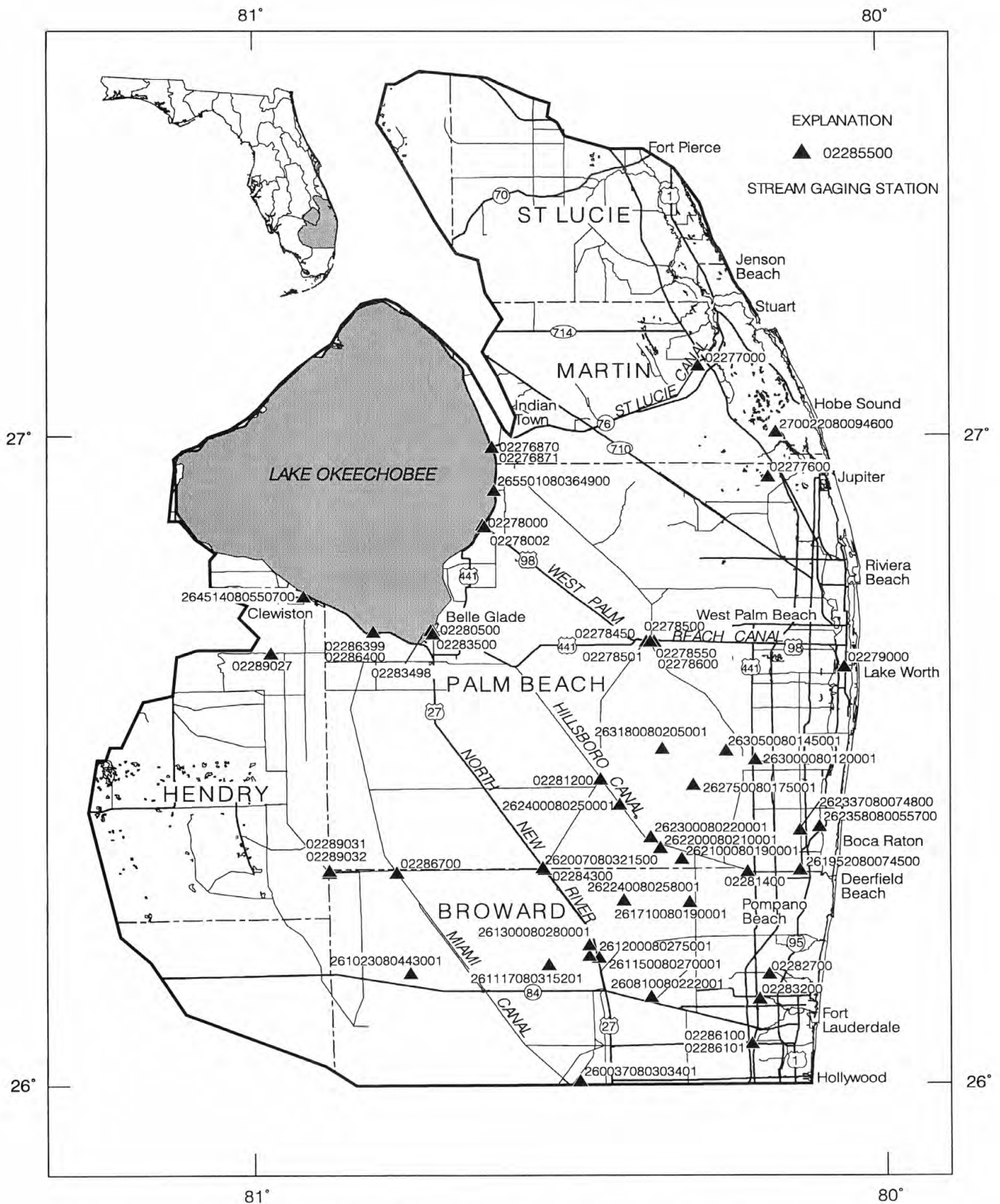


FIGURE 5. Location of gaging stations in the portion of the Everglades and the southeastern coastal area north of latitude 26 degrees.

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

LOCATION.--Lat 27°06'39", long 80°17'06", in Hanson Grant, T.39 S., R.41 E., Martin County, Hydrologic Unit 03090202, at upstream end of the north lock wall, 6.3 mi southwest of Stuart. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1952 to current year. Gage height records collected at same site since December 1924 are contained in files of the South Florida Water Management District and U.S. Army Corps of Engineers. U.S. Geological Survey started collection of upstream and downstream stages October 1, 1987.

REVISED RECORDS.--WDR FL-80-2A: 1978-1979.

GAGE.--Satellite data collection platform with water-stage shaft encoders for upstream and downstream stages. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Nov. 3, 1948, nonrecording gage at same site and at various datums. Sept. 5, 1952, to Jan. 1, 1955, auxiliary water-stage recorder at Arundel Bridge, 1.9 mi upstream, NGVD. Satellite data collection platform installed January 13, 1995. Digital water-stage recorders removed February 13, 1995.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by lock near Stuart. No extremes shown for stage since stage was not collected by U.S. Geological Survey prior to Oct. 1, 1987.

COOPERATION.--Structure operation records provided by U.S. Army Corps of Engineers.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 40 complete water years of discharge (1953-94).

EXTREME UPSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height 15.37 ft Oct. 17; minimum 10.00 ft Oct. 28.

EXTREME DOWNSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height 7.29 ft Oct. 17; minimum, -1.12 ft Mar. 26.

REVISIONS.--The discharge has been revised for the water years 1988-89, 1991-95, based upon new ratings and using a new program. The original discharge computed for 1988-89, 1991-94 was based upon a program that did not compute the discharge accurately. New ratings were also developed and used during the revisions. The 1990 water year did not require any revisions due to the gates being closed the entire year. The gate discharge for the 1991 water year that occurred during August and September could not be revised due to the original stage data being unavailable to restore to the database to recompute discharge. The original gate discharge was removed for 1991 water year. The 1995 water year discharge previously computed, used the new program and ratings but the discharge did not previously include the estimated leakage and lockage discharge.

**SEE THE FOLLOWING PAGES FOR REVISED DISCHARGE FOR WATER YEARS 1988-89, 1991-95.
THE DISCHARGE FOR 1990 WATER WAS INCLUDED BUT THERE WAS NO REVISION OF DISCHARGE
FOR THIS WATER YEAR.
UPSTREAM ALSO BEING REPUBLISHED IN THIS REPORT ALONG WITH THE PREVIOUSLY
UNPUBLISHED DOWNSTREAM STAGE FOR 1988 THROUGH 1996 WATER YEARS.**

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.50	14.12	14.34	14.49	14.45	14.21	13.99	14.30	14.68	14.37	14.45	14.00
2	13.47	14.20	14.06	14.40	14.27	14.08	14.23	14.20	14.41	14.30	14.17	14.01
3	13.55	14.51	14.12	14.32	14.64	14.21	14.28	14.10	14.31	13.93	14.50	13.98
4	13.42	14.41	14.51	14.27	14.35	14.24	14.25	14.33	14.29	13.94	14.35	14.06
5	13.44	14.37	14.30	14.48	14.20	14.39	14.30	14.34	14.41	14.07	14.28	14.07
6	13.52	14.31	14.32	14.18	14.38	14.26	14.43	14.33	14.63	14.25	14.48	14.06
7	13.52	14.38	13.96	14.05	14.33	14.12	14.52	14.25	14.37	14.89	14.32	14.16
8	13.36	14.39	14.27	14.42	14.55	14.08	14.38	14.21	14.37	14.44	14.62	14.13
9	13.17	14.35	14.19	14.50	14.53	14.17	13.87	14.33	14.50	14.56	14.29	14.12
10	13.22	14.25	14.08	14.31	14.45	14.47	14.29	14.15	14.23	14.46	14.53	14.10
11	13.57	14.20	14.25	14.30	14.29	14.16	14.16	14.25	14.47	14.27	14.34	14.12
12	14.13	14.35	14.51	14.44	14.48	13.98	14.58	14.29	14.40	14.44	14.11	14.07
13	14.44	14.35	14.57	14.43	14.48	14.15	14.23	14.19	14.10	14.37	14.13	14.12
14	14.11	14.20	14.30	14.48	14.40	14.18	14.39	14.29	14.12	14.26	14.39	13.96
15	14.10	14.35	14.09	14.44	14.26	14.33	14.26	14.23	14.14	14.41	14.25	14.04
16	14.12	14.26	14.16	14.45	14.43	14.08	14.47	14.19	14.07	14.47	14.41	13.77
17	14.21	14.35	14.26	14.45	14.51	14.10	14.47	14.38	14.21	14.39	14.24	13.88
18	14.20	14.47	14.18	14.37	14.47	14.32	14.01	14.34	14.17	14.36	14.43	14.26
19	14.22	14.25	14.28	14.29	14.49	14.32	14.29	14.39	14.14	14.34	14.31	14.31
20	14.23	14.40	14.23	14.17	14.50	14.52	14.21	14.46	14.50	14.28	14.41	14.08
21	14.23	14.31	14.11	14.34	14.30	14.40	14.23	14.36	14.51	14.25	14.26	14.19
22	14.13	14.30	14.04	14.64	14.27	14.43	14.28	14.30	14.47	14.42	14.63	14.23
23	14.04	14.35	14.37	14.72	14.38	14.04	14.41	14.18	14.39	14.42	14.33	14.01
24	14.15	14.19	14.52	14.52	14.19	14.09	14.37	14.40	14.34	14.40	14.10	14.04
25	14.25	14.41	14.57	14.05	14.00	14.18	14.42	14.27	14.42	14.33	14.31	14.23
26	14.27	14.40	14.44	13.78	14.05	14.32	14.24	14.19	14.42	14.35	14.12	13.99
27	14.33	14.41	14.51	14.35	14.26	14.35	14.40	14.28	14.31	14.40	14.10	14.06
28	14.26	14.17	14.17	14.28	14.23	14.38	14.20	14.17	14.30	14.43	14.16	14.15
29	14.09	14.25	14.19	14.71	13.99	14.24	14.22	14.26	14.10	14.36	14.29	14.19
30	14.00	14.36	14.17	14.56	---	13.97	14.22	14.38	14.31	14.36	14.03	14.17
31	14.00	---	14.16	14.47	---	13.99	---	14.51	---	14.36	14.17	---
TOTAL	431.25	429.62	442.23	445.66	416.13	440.76	428.60	442.85	430.09	444.88	443.51	422.56
MEAN	13.91	14.32	14.27	14.38	14.35	14.22	14.29	14.29	14.34	14.35	14.31	14.09
MAX	14.44	14.51	14.57	14.72	14.64	14.52	14.58	14.51	14.68	14.89	14.63	14.31
MIN	13.17	14.12	13.96	13.78	13.99	13.97	13.87	14.10	14.07	13.93	14.03	13.77

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 47

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1.90	.98	.28	-.26	.36	.21	.49	.65	.40	.28	.19
2	---	2.13	.70	.31	-.28	.35	.02	1.02	.59	.70	.13	.18
3	---	1.86	.45	.40	-.17	.28	-.14	.89	.52	1.04	.10	.10
4	---	2.19	.12	.42	-.07	-.02	-.22	.28	.39	1.02	.31	.01
5	---	1.59	.30	.71	.17	.10	-.14	-.08	.68	1.04	.29	-.22
6	---	1.59	.48	.65	.72	.43	.01	.06	.72	1.26	.24	-.46
7	---	1.78	.42	.64	1.09	.67	.03	.31	.56	1.41	.15	-.47
8	---	1.32	.50	.31	.91	.41	.43	.50	.38	.91	.09	.01
9	---	.95	.47	.67	.79	.18	.46	.38	-.03	.36	.12	.35
10	---	.56	.40	.66	.89	.05	.47	.22	-.20	.04	.18	.42
11	---	.49	.20	.74	.53	.42	.43	.07	-.11	-.06	.27	.53
12	---	.72	.21	.71	.23	.43	.27	.09	.54	-.21	.21	.74
13	---	.86	.07	.48	.08	.15	.41	.07	.67	-.33	.18	.77
14	---	.89	.05	.42	.08	.16	.68	.16	.49	-.29	.21	.62
15	---	.93	-.03	.51	-.02	.35	.68	.34	.36	-.23	.13	.44
16	---	1.08	-.03	.81	-.11	.45	.55	.36	.33	-.23	-.06	.41
17	---	.84	.21	.40	.00	.40	.52	.22	.36	-.28	-.03	.52
18	---	.66	.34	.29	.01	.25	.40	.02	.30	-.26	.18	.59
19	---	.86	.30	.36	.13	.26	-.06	-.13	.26	-.24	.15	.51
20	---	1.29	.20	.05	.13	.25	.06	-.10	.27	-.42	.21	.51
21	---	1.37	.15	-.27	.42	.05	.26	-.10	.43	-.46	-.05	.48
22	---	1.23	.25	-.03	.46	-.10	.19	-.11	.54	-.29	.29	.68
23	---	1.03	.35	.22	.21	.08	.09	-.21	.47	-.37	.13	.74
24	---	1.03	.47	.29	.17	.14	-.13	-.33	.36	-.39	.34	.78
25	---	1.00	.17	.09	.30	-.04	-.10	-.25	.34	-.34	.42	.67
26	---	.83	-.05	-.13	.53	-.15	.01	-.10	.35	-.19	.53	.61
27	---	.80	-.03	-.16	.55	-.28	.35	.35	.40	-.08	.53	.77
28	---	1.00	.03	-.05	.45	-.20	.47	.55	.39	.05	.43	.94
29	---	1.03	.15	.15	.45	-.07	.46	.54	.50	.11	.33	1.01
30	---	1.05	.60	.05	---	.09	.62	.45	.47	.16	.24	.99
31	---	---	.60	-.09	---	.22	---	.54	---	.28	.31	---
TOTAL	---	34.86	9.03	9.89	8.39	5.67	7.29	6.50	11.98	4.11	6.84	13.42
MEAN	---	1.16	.29	.32	.29	.18	.24	.21	.40	.13	.22	.45
MAX	---	2.19	.98	.81	1.09	.67	.68	1.02	.72	1.41	.53	1.01
MIN	---	.49	-.05	-.27	-.28	-.28	-.22	-.33	-.20	-.46	-.06	-.47

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	269	270	273	310	285	757	2330	1550	584	285	781	906
2	266	266	281	339	285	736	1780	1560	301	866	407	816
3	269	716	280	295	285	421	1370	1370	285	1800	386	740
4	276	3660	262	271	285	285	1140	1110	285	1740	574	480
5	259	1930	276	286	285	455	961	921	285	1270	381	617
6	273	1470	288	276	285	595	920	785	555	697	462	492
7	266	1910	278	281	285	967	851	722	421	508	852	550
8	273	1060	280	273	654	1200	580	378	495	516	1090	633
9	273	879	286	272	691	1520	285	285	605	663	1070	821
10	280	784	292	280	876	1400	285	285	491	470	1340	609
11	287	718	285	294	309	1880	285	285	298	459	1880	495
12	348	604	277	278	586	1880	285	285	564	489	936	530
13	852	732	282	279	316	1540	285	285	446	554	648	504
14	278	711	285	285	552	1190	285	285	285	351	876	321
15	268	441	273	285	285	988	285	285	285	465	1290	350
16	264	405	275	285	301	880	285	285	285	347	1410	285
17	271	279	266	285	330	864	285	285	285	514	1340	285
18	282	401	270	285	395	463	285	285	285	405	1180	285
19	268	523	276	285	285	790	285	285	285	405	1300	285
20	269	876	276	285	376	628	285	285	447	405	1800	285
21	269	777	280	285	397	637	285	285	567	354	1480	285
22	276	573	272	285	308	1070	285	285	352	460	2710	285
23	276	578	264	285	285	1890	285	285	420	825	1590	285
24	288	452	266	285	1190	1870	285	285	285	825	1450	285
25	290	371	301	285	1700	1520	285	285	285	762	1260	285
26	269	582	284	285	1770	1130	285	285	395	946	1590	285
27	273	592	305	285	1510	1120	285	285	285	686	1240	285
28	280	521	303	285	1110	735	285	285	285	926	1030	285
29	288	288	291	307	1020	762	285	285	285	1190	1450	285
30	280	283	285	813	---	1550	1200	285	285	682	997	285
31	273	---	285	285	---	2320	---	565	---	512	1050	---
TOTAL	9153	23652	8697	9414	17241	34043	17117	15231	11216	21377	35850	13139
MEAN	295	788	281	304	595	1098	571	491	374	690	1156	438
MAX	852	3660	305	813	1770	2320	2330	1560	605	1800	2710	906
MIN	259	266	262	271	285	285	285	285	285	285	381	285
AC-FT	18150	46910	17250	18670	34200	67520	33950	30210	22250	42400	71110	26060

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1988, BY WATER YEAR (WY)

MEAN	1198	1039	577	453	510	702	823	433	675	965	1328	985
MAX	9325	8315	8293	3445	5986	7453	6887	5322	5162	6598	6331	7711
(WY)	1954	1954	1954	1954	1958	1983	1970	1958	1954	1968	1959	1953
MIN	10.0	10.0	10.0	10.0	10.0	10.0	10.0	4.90	4.27	10.0	10.0	10.0
(WY)	1956	1955	1953	1953	1953	1953	1953	1976	1976	1953	1955	1955

SUMMARY STATISTICS

FOR 1987 CALENDAR YEAR

FOR 1988 WATER YEAR

WATER YEARS 1953 - 1988

ANNUAL TOTAL	92507	216130	
ANNUAL MEAN	253	591	809
HIGHEST ANNUAL MEAN			4152
LOWEST ANNUAL MEAN			10.0
HIGHEST DAILY MEAN	3660	Nov 4	3660
LOWEST DAILY MEAN	12	Jun 1	259
ANNUAL SEVEN-DAY MINIMUM	12	Jun 1	268
ANNUAL RUNOFF (AC-FT)	183500	428700	586000
10 PERCENT EXCEEDS	717	1310	3060
50 PERCENT EXCEEDS	20	309	18
90 PERCENT EXCEEDS	12	276	10

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EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 49

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.95	14.09	13.97	14.24	14.19	13.45	13.25	13.19	11.80	11.45	11.27	11.52
2	14.18	14.01	13.93	14.24	14.11	13.49	13.04	13.32	11.84	11.48	11.04	11.60
3	13.98	13.94	14.19	14.11	14.11	13.78	13.04	13.23	11.87	11.50	10.67	11.65
4	14.12	14.46	14.08	14.01	14.13	13.73	13.01	12.87	11.87	11.53	10.45	11.71
5	14.12	14.09	13.99	14.03	14.09	13.66	13.10	12.73	11.85	11.56	10.56	11.73
6	14.06	14.45	14.28	14.15	14.06	13.70	13.26	12.57	11.90	11.52	10.93	11.76
7	14.03	13.95	14.31	14.25	14.08	13.77	13.42	12.48	12.05	11.43	11.14	11.73
8	14.20	14.25	14.20	14.23	14.09	13.77	13.23	12.37	11.89	11.44	11.18	11.75
9	14.25	14.07	14.02	14.19	13.90	13.91	12.81	12.45	11.86	11.42	11.28	11.73
10	14.00	14.12	13.91	14.14	13.91	13.83	12.57	12.72	11.82	11.40	11.32	11.70
11	14.11	14.20	14.07	14.13	13.99	13.73	12.39	12.72	11.76	11.43	11.27	11.67
12	14.22	14.21	14.26	14.21	13.91	13.77	12.52	12.51	11.74	11.43	11.24	11.69
13	14.04	14.20	14.21	14.25	13.80	13.79	12.66	12.56	11.69	11.45	11.26	11.68
14	14.10	14.00	14.10	14.19	13.79	13.74	12.77	12.57	11.65	11.43	11.42	11.70
15	14.18	14.19	14.19	14.24	13.74	13.66	13.01	12.62	11.54	11.35	11.45	11.72
16	14.13	14.24	14.18	14.21	13.72	13.64	12.89	12.68	11.48	11.35	11.45	11.76
17	14.13	14.05	14.12	14.19	13.68	13.59	12.76	12.74	11.45	11.37	11.41	11.84
18	14.22	14.04	14.01	14.18	13.70	13.60	13.04	12.42	11.39	11.29	11.42	11.87
19	14.05	14.20	14.25	14.08	13.64	13.59	13.03	12.42	11.44	11.35	11.35	11.89
20	14.14	14.27	14.16	14.18	13.64	13.52	13.12	12.50	11.46	11.43	11.37	11.83
21	14.10	14.13	14.02	14.05	13.72	13.55	13.17	12.54	11.44	11.38	11.53	12.07
22	14.16	14.06	14.21	14.32	13.82	13.52	12.97	12.51	11.41	11.30	11.70	11.86
23	14.23	14.18	14.26	14.42	14.01	13.56	12.97	12.50	11.39	11.21	12.15	11.94
24	13.93	14.12	14.25	14.20	13.70	13.58	13.04	12.52	11.50	11.20	12.08	11.96
25	14.14	14.04	14.21	14.13	13.52	13.55	13.01	12.44	11.41	11.20	11.72	12.23
26	14.25	14.24	14.17	14.17	13.52	13.46	13.01	12.31	11.19	11.32	11.55	12.27
27	14.15	14.33	13.91	14.26	13.54	13.30	13.06	12.10	10.65	11.35	11.54	12.30
28	14.19	14.25	14.07	14.21	13.50	13.27	12.94	11.72	10.46	11.40	11.50	12.17
29	14.11	14.13	14.05	14.22	---	13.26	12.92	11.46	10.93	11.41	11.43	12.17
30	13.97	14.09	14.20	14.27	---	13.36	13.09	11.44	11.27	11.34	11.50	12.18
31	13.98	---	14.16	14.24	---	13.43	---	11.60	---	11.32	11.49	---
TOTAL	437.42	424.60	437.94	439.94	387.61	421.56	389.10	386.81	346.00	353.04	351.67	355.68
MEAN	14.11	14.15	14.13	14.19	13.84	13.60	12.97	12.48	11.53	11.39	11.34	11.86
MAX	14.25	14.46	14.31	14.42	14.19	13.91	13.42	13.32	12.05	11.56	12.15	12.30
MIN	13.93	13.94	13.91	14.01	13.50	13.26	12.39	11.44	10.46	11.20	10.45	11.52

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.15	1.17	.43	.08	.07	-.07	.09	.01	.29	.49	-.02	.37
2	.88	1.29	.47	.06	-.09	.11	.21	-.02	.13	.70	.06	.42
3	.70	.99	.46	.14	-.19	.52	.08	.10	-.07	.68	.37	.33
4	.56	.84	.39	.10	-.26	.30	-.03	.24	-.21	.51	.73	.30
5	.89	.61	.40	.75	-.08	.16	-.10	.31	-.22	.44	.72	.44
6	1.34	.47	.55	.50	.03	.07	.02	.29	-.22	.16	.43	.70
7	1.62	.31	.37	.25	.20	.26	.06	.28	-.19	.01	.17	.76
8	1.77	.18	.29	.21	.09	.71	-.12	.51	-.26	-.07	.12	.92
9	1.75	.18	.30	.14	.51	1.16	-.10	.42	-.47	-.16	.15	.92
10	1.57	.16	.36	.26	.74	1.97	-.14	.15	-.58	-.21	.27	1.07
11	1.43	.15	.50	.42	.56	1.88	.16	.22	-.57	-.12	.48	1.05
12	1.15	.31	.76	.49	.40	1.30	.59	.35	-.40	-.08	.58	.98
13	1.08	.47	1.08	.29	.36	.81	.61	.37	-.33	-.24	.59	.97
14	1.31	.57	.96	.24	-.07	.56	.56	.03	-.42	-.38	.55	.96
15	1.39	.61	.63	.19	-.25	.38	.40	.04	-.57	-.35	.52	.90
16	1.26	.61	.54	.06	-.17	.28	.28	.19	-.71	-.35	.56	.75
17	1.06	.47	.71	.09	.03	.20	.30	.19	-.69	-.18	.57	.58
18	.93	.49	.71	.09	.49	.16	.27	.15	-.52	-.18	.44	.69
19	.86	.55	.52	.16	.93	.29	.24	.20	-.23	-.19	.47	.89
20	.98	.49	.39	-.01	.91	.29	.21	.25	-.11	-.10	.67	.99
21	1.10	.30	.14	.52	.57	.24	.35	.31	-.08	.14	.46	1.10
22	1.20	.27	.13	.95	.21	.08	.78	.06	-.13	.17	.39	.96
23	1.32	.02	.24	.92	.15	.07	.64	-.07	.02	.08	.29	.61
24	1.14	.61	.22	1.35	.15	.29	.23	-.15	.09	.17	.10	.54
25	1.11	.90	.19	1.05	.22	.43	-.06	-.11	.13	.15	.00	.61
26	1.09	.59	.16	.56	.26	.41	-.15	.01	.30	.19	.11	.80
27	.87	.17	.38	.23	.23	.19	-.10	.05	.52	.26	.40	.79
28	.63	-.17	.19	.31	.06	.00	.03	.26	.38	.11	.46	.87
29	.66	.11	-.02	.17	---	-.15	.09	.45	.12	-.05	.50	1.08
30	.73	.28	.08	.21	---	-.27	.07	.66	.22	-.08	.52	.98
31	.98	---	.11	.09	---	-.29	---	.53	---	-.08	.49	---
TOTAL	34.51	14.00	12.64	10.87	6.06	12.34	5.47	6.28	-4.78	1.44	12.15	23.33
MEAN	1.11	.47	.41	.35	.22	.40	.18	.20	-.16	.05	.39	.78
MAX	1.77	1.29	1.08	1.35	.93	1.97	.78	.66	.52	.70	.73	1.10
MIN	.56	-.17	-.02	-.01	-.26	-.29	-.15	-.15	-.71	-.38	-.02	.30

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	285	285	285	285	285	285	285	36	432	254	35	35
2	285	285	285	285	285	285	285	35	238	317	1020	35
3	285	285	285	285	285	285	285	118	82	409	1950	35
4	285	1200	285	285	285	285	285	63	35	122	1850	35
5	285	1050	285	285	285	285	285	731	35	35	1470	35
6	285	705	285	285	285	285	285	1630	35	35	1120	35
7	285	400	285	285	285	285	285	1780	35	35	842	35
8	285	285	285	285	285	285	285	1420	35	35	650	35
9	285	285	285	285	285	285	1290	968	35	35	622	35
10	285	285	285	285	285	285	1970	733	35	35	178	35
11	285	285	285	285	285	285	1920	438	35	35	35	35
12	285	285	310	285	285	285	1540	254	35	35	35	35
13	285	285	374	285	285	285	923	143	35	35	35	35
14	285	285	285	285	285	285	710	35	35	35	35	35
15	285	285	285	285	285	285	640	35	35	35	35	35
16	285	285	285	285	285	285	617	35	35	35	35	35
17	285	285	285	285	285	285	367	35	35	35	35	35
18	285	285	285	285	285	285	341	35	35	35	35	35
19	285	285	285	285	285	285	285	35	35	35	35	35
20	285	285	285	285	285	285	285	35	35	35	35	35
21	285	285	285	285	285	285	355	35	35	35	35	35
22	285	285	285	285	285	285	307	35	35	35	35	35
23	285	550	285	285	285	285	285	35	35	35	35	35
24	285	437	285	285	285	285	285	35	35	35	35	35
25	285	322	285	285	285	285	285	35	35	35	35	35
26	285	285	285	285	285	285	285	35	957	35	35	35
27	285	285	285	285	285	285	285	790	1950	35	35	35
28	285	285	285	285	285	285	285	1720	1870	35	35	35
29	285	285	285	285	---	285	285	1650	1460	35	35	35
30	285	285	285	285	---	285	285	1360	1000	35	35	35
31	285	---	285	285	---	285	---	980	---	35	35	---
TOTAL	8835	11219	8949	8835	7980	8835	16110	15304	8759	2047	10472	1050
MEAN	285	374	289	285	285	285	537	494	292	66.0	338	35.0
MAX	285	1200	374	285	285	285	1970	1780	1950	409	1950	35
MIN	285	285	285	285	285	285	285	35	35	35	35	35
AC-FT	17520	22250	17750	17520	15830	17520	31950	30360	17370	4060	20770	2080

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1989, BY WATER YEAR (WY)

MEAN	516	280	125	174	662	1102	907	241	229	261	408	254
MAX	2148	788	303	322	3777	7453	4784	878	574	906	1169	511
(WY)	1980	1988	1984	1980	1983	1983	1983	1983	1987	1984	1984	1984
MIN	12.0	18.0	18.0	18.0	20.0	20.0	18.0	18.0	12.0	12.0	12.0	12.0
(WY)	1982	1981	1981	1982	1982	1982	1982	1981	1981	1981	1981	1981

SUMMARY STATISTICS	FOR 1988 CALENDAR YEAR		FOR 1989 WATER YEAR		WATER YEARS 1980 - 1989	
ANNUAL TOTAL	203631		108395			
ANNUAL MEAN	556		297		428	
HIGHEST ANNUAL MEAN					1677	
LOWEST ANNUAL MEAN					57.3	
HIGHEST DAILY MEAN	2710	Aug 22	1970	Apr 10	9180	Feb 28 1983
LOWEST DAILY MEAN	271	Jan 4	35	May 2	10	May 1 1984
ANNUAL SEVEN-DAY MINIMUM	277	Jan 4	35	May 14	10	May 7 1984
ANNUAL RUNOFF (AC-FT)	403900		215000		310400	
10 PERCENT EXCEEDS	1250		483		1050	
50 PERCENT EXCEEDS	285		285		35	
90 PERCENT EXCEEDS	285		35		12	

REVISED

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.30	12.83	12.37	12.48	11.89	12.51	11.56	9.85	10.80	10.89	11.46	12.75
2	12.33	12.90	12.46	12.21	11.65	12.38	11.47	10.29	10.67	10.96	11.18	12.58
3	12.26	12.78	12.45	11.94	11.48	12.37	11.18	10.48	10.59	10.93	10.99	12.51
4	12.20	12.78	12.27	11.63	11.62	12.24	10.96	10.52	10.37	10.97	11.13	12.52
5	12.17	12.77	12.03	11.53	11.32	11.86	10.95	10.53	10.47	10.96	11.33	12.52
6	12.18	12.76	11.59	11.95	11.21	12.05	11.02	10.64	10.49	11.09	11.48	12.49
7	12.22	12.76	11.26	11.91	11.51	12.18	11.01	10.42	10.39	11.07	11.59	12.55
8	12.90	12.77	11.42	11.71	11.54	12.10	11.18	10.15	10.32	11.03	11.64	12.54
9	12.72	12.87	12.21	11.76	11.55	11.98	11.16	10.05	10.36	10.90	11.83	12.48
10	12.75	12.72	12.52	11.85	11.75	11.85	11.17	10.28	10.32	10.94	11.83	12.40
11	12.75	12.68	12.49	11.77	12.17	11.95	11.10	10.68	10.25	10.92	11.72	12.33
12	12.75	12.64	12.47	11.89	12.43	11.77	10.72	10.91	10.47	10.95	11.73	12.29
13	12.81	12.58	12.44	11.97	12.47	11.42	10.36	11.07	10.61	11.01	11.76	12.27
14	12.84	12.62	12.22	12.19	12.41	11.19	10.42	11.01	10.46	11.19	12.26	12.24
15	12.83	12.67	11.79	12.32	12.32	11.19	11.06	10.84	10.40	11.32	12.56	12.25
16	12.82	12.86	11.93	12.27	12.32	11.20	11.29	10.66	10.38	11.18	12.14	12.39
17	12.86	12.62	12.16	12.00	12.40	11.41	11.18	10.18	10.44	11.19	12.32	12.50
18	12.91	12.52	12.10	11.78	12.43	11.85	10.91	9.90	10.34	11.27	12.33	12.36
19	13.05	12.55	12.04	11.56	12.35	11.88	10.52	10.28	10.09	11.25	12.39	12.47
20	13.01	12.58	11.93	11.48	12.33	12.10	10.28	10.25	10.04	11.38	12.43	13.09
21	12.81	12.64	11.73	11.72	12.72	12.29	10.19	10.05	9.90	11.41	12.52	12.85
22	12.74	12.59	11.06	11.65	12.82	12.29	10.70	9.78	10.34	11.39	12.43	12.83
23	12.76	12.61	11.15	11.42	12.80	12.26	10.63	9.69	10.79	11.40	12.49	12.83
24	12.81	12.39	11.35	11.28	12.96	12.20	10.32	9.55	10.88	11.37	12.49	12.61
25	12.79	12.39	11.37	11.60	12.63	12.28	9.98	9.90	10.82	11.37	12.50	12.53
26	12.82	12.51	12.36	11.58	12.26	12.02	9.89	10.52	10.78	11.40	12.60	12.55
27	12.80	12.49	12.81	11.35	12.22	11.56	10.25	10.59	10.83	11.49	12.54	12.51
28	12.84	12.49	12.52	11.67	12.39	11.12	10.35	10.63	10.85	11.46	12.66	12.43
29	12.97	12.48	12.41	11.73	---	10.85	10.14	10.95	10.73	11.43	12.79	12.64
30	12.90	12.39	12.42	11.83	---	10.94	9.97	10.89	10.80	11.45	12.80	13.14
31	12.83	---	12.48	11.84	---	11.14	---	10.87	---	11.52	12.80	---
TOTAL	393.73	379.24	373.81	365.87	339.95	366.43	321.92	322.41	314.98	347.09	374.72	376.45
MEAN	12.70	12.64	12.06	11.80	12.14	11.82	10.73	10.40	10.50	11.20	12.09	12.55
MAX	13.05	12.90	12.81	12.48	12.96	12.51	11.56	11.07	10.88	11.52	12.80	13.14
MIN	12.17	12.39	11.06	11.28	11.21	10.85	9.89	9.55	9.90	10.89	10.99	12.24

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 53

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.58	1.07	.69	-.14	-.03	.49	.17	-.12	.61	-.12	.35	.44
2	.29	.84	.46	.13	-.18	.37	.35	.04	.53	-.19	.29	.66
3	.43	1.02	.36	.02	-.31	.12	.35	.08	.38	-.03	.48	1.03
4	.65	1.08	.60	-.01	-.40	.31	.58	.01	.23	.19	.66	1.05
5	.60	.95	.40	-.25	-.14	.44	.60	-.03	.21	.24	.78	.95
6	.60	1.03	.29	-.32	.35	.58	.23	-.12	.21	.20	.63	1.04
7	.40	.91	.16	-.28	.12	.89	.01	.33	.35	.06	.65	.97
8	.15	.79	.07	-.20	.20	1.21	.29	.36	.31	-.06	.59	.76
9	.36	.55	-.04	-.11	.18	.84	.50	.15	.13	-.01	.59	.59
10	.78	.56	.32	-.01	.01	.57	.20	-.11	.07	.18	.69	.49
11	1.10	.59	.60	-.04	.05	.43	-.07	-.02	.04	.21	.65	.68
12	1.27	.52	.40	-.17	.39	.36	.24	.15	.21	.10	.56	.90
13	1.13	.46	.11	.18	.29	.21	.53	-.05	.50	-.04	.44	.87
14	1.11	.44	.16	.34	-.17	.13	.31	-.20	.62	-.20	.32	.92
15	1.00	.34	.21	.19	-.33	.01	.27	-.08	.69	-.16	.25	.88
16	.88	.25	.02	.23	-.61	-.18	.17	-.04	.51	-.08	.18	.79
17	.68	.36	.12	.09	-.83	-.25	.06	-.02	.37	-.16	.31	.77
18	.41	.30	.25	-.10	-.62	-.16	.03	-.15	.63	-.22	.38	.83
19	.22	.19	.30	-.25	-.43	.10	.43	-.03	.77	-.09	.59	1.49
20	.26	.22	.33	-.22	-.25	.19	.74	.03	.58	-.07	.71	1.51
21	.42	.29	.45	-.40	.11	.49	.58	-.17	.34	-.07	.65	1.29
22	.37	.21	.41	-.43	.10	.50	.45	-.13	.34	-.11	.56	.88
23	.35	-.07	.66	-.30	.14	.34	.55	.20	.34	-.04	.51	.69
24	.58	.10	.67	-.24	.13	.28	.61	.46	.32	.09	.55	.88
25	.94	.28	.84	-.27	.09	.22	.47	.53	.28	.23	.42	.96
26	1.19	.16	.49	-.24	.57	.03	.25	.41	.21	.42	.18	.85
27	1.63	.08	.15	.03	.72	.31	.16	.48	.21	.75	.13	.61
28	1.89	.07	-.11	-.07	.51	.58	.05	.61	.29	1.00	.36	.65
29	1.78	.10	-.12	-.09	---	.65	.03	.52	.19	1.03	.56	.62
30	1.63	.45	-.11	-.16	---	.38	-.07	.57	.09	.94	.54	.79
31	1.29	---	-.06	-.16	---	.13	---	.61	---	.60	.45	---
TOTAL	24.97	14.14	9.08	-3.25	-0.34	10.57	9.07	4.27	10.56	4.59	15.01	25.84
MEAN	.81	.47	.29	-.10	-.01	.34	.30	.14	.35	.15	.48	.86
MAX	1.89	1.08	.84	.34	.72	1.21	.74	.61	.77	1.03	.78	1.51
MIN	.15	-.07	-.12	-.43	-.83	-.25	-.07	-.20	.04	-.22	.13	.44

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	33	26	36	31	21	25	15	15	13	10	14
2	28	35	33	23	28	23	21	14	15	13	15	23
3	19	43	35	36	50	27	18	13	16	13	16	22
4	20	41	22	29	49	24	16	19	15	13	14	42
5	24	41	29	33	29	23	16	14	16	13	14	10
6	64	22	22	30	37	20	19	13	16	13	13	22
7	40	28	34	35	39	27	26	21	15	13	15	29
8	42	28	33	30	42	21	21	17	15	13	16	22
9	39	32	23	35	37	26	21	17	16	13	13	22
10	21	34	25	33	50	27	26	16	16	11	15	19
11	20	37	33	33	35	27	25	21	16	9.8	15	8.5
12	19	39	32	32	23	22	23	21	16	13	15	13
13	21	34	27	31	25	26	21	21	15	15	15	12
14	31	37	17	19	29	20	21	21	15	15	19	13
15	38	39	26	28	20	23	23	21	15	13	18	13
16	24	46	35	32	20	20	29	21	15	8.3	14	14
17	16	32	32	38	26	25	23	20	15	12	14	19
18	33	37	29	40	24	19	18	20	15	12	14	15
19	31	50	31	40	24	26	21	20	15	10	14	15
20	24	30	25	34	51	23	18	20	15	10	15	5.1
21	40	34	26	48	27	26	22	20	15	13	15	12
22	34	31	19	32	26	27	20	20	15	13	15	23
23	32	37	14	31	22	23	17	19	16	12	14	23
24	27	46	13	36	18	24	22	18	16	12	12	36
25	38	39	13	38	20	25	31	19	16	8.3	14	19
26	44	47	19	26	22	24	22	20	16	13	14	10
27	30	29	31	40	27	22	21	20	16	16	16	17
28	24	32	35	34	28	22	20	20	16	13	18	21
29	33	29	38	40	---	17	26	20	16	13	14	23
30	23	28	44	35	---	22	14	20	16	13	16	23
31	24	---	44	35	---	23	---	20	---	11	14	---
TOTAL	947	1070	865	1042	859	725	646	581	465	383.4	456	559.6
MEAN	30.5	35.7	27.9	33.6	30.7	23.4	21.5	18.7	15.5	12.4	14.7	18.7
MAX	64	50	44	48	51	27	31	21	16	16	19	42
MIN	16	22	13	19	18	17	14	13	15	8.3	10	5.1
AC-FT	1880	2120	1720	2070	1700	1440	1280	1150	922	760	904	1110

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1990, BY WATER YEAR (WY)

MEAN	1143	995	555	437	491	673	795	423	648	916	1268	935
MAX	9325	8315	8293	3445	5986	7453	6887	5322	5162	6598	6331	7711
(WY)	1954	1954	1954	1954	1958	1983	1970	1958	1954	1968	1959	1953
MIN	10.0	10.0	10.0	10.0	10.0	10.0	10.0	4.90	4.27	10.0	10.0	10.0
(WY)	1956	1955	1953	1953	1953	1953	1953	1976	1976	1953	1955	1955

SUMMARY STATISTICS

FOR 1989 CALENDAR YEAR

FOR 1990 WATER YEAR

WATER YEARS 1953 - 1990

ANNUAL TOTAL	82274	8599.0	
ANNUAL MEAN	225	23.6	
HIGHEST ANNUAL MEAN			775
LOWEST ANNUAL MEAN			4152
HIGHEST DAILY MEAN	1970	Apr 10	64
LOWEST DAILY MEAN	13	Dec 24	5.1
ANNUAL SEVEN-DAY MINIMUM	18	Dec 20	11
ANNUAL RUNOFF (AC-FT)	163200	17060	561300
10 PERCENT EXCEEDS	360	37	2660
50 PERCENT EXCEEDS	37	21	20
90 PERCENT EXCEEDS	29	13	10

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 55

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.16	12.98	12.11	11.86	12.65	12.67	13.44	12.94	13.05	14.27	14.59	14.17
2	12.79	12.85	11.93	11.58	12.46	12.66	13.72	12.91	12.99	13.96	14.62	14.09
3	12.78	12.81	11.61	11.20	12.53	12.85	13.31	12.75	12.93	13.77	14.53	14.03
4	12.78	12.79	11.39	11.12	12.58	13.03	13.38	12.81	12.60	13.98	14.46	13.98
5	12.79	12.60	11.66	11.44	12.59	12.81	13.85	12.80	12.16	14.54	14.42	14.04
6	12.79	12.11	11.81	11.55	12.63	12.60	14.56	12.67	12.50	14.38	14.22	14.31
7	12.68	11.95	11.98	11.33	12.73	12.65	13.56	12.45	13.21	14.22	14.21	14.37
8	12.55	11.92	12.30	11.04	12.86	12.69	12.93	12.35	13.27	14.05	14.32	14.25
9	12.58	11.87	12.15	11.32	12.92	12.81	12.83	12.15	13.17	14.05	14.34	14.19
10	13.37	12.34	11.81	11.57	12.81	12.74	12.83	11.91	13.09	14.07	14.39	14.24
11	13.22	12.56	11.20	11.79	12.72	12.54	12.71	11.75	13.08	14.04	14.46	14.21
12	13.39	12.70	11.62	12.17	12.53	12.50	12.58	11.86	13.16	14.02	14.39	14.33
13	13.54	12.81	11.99	12.34	12.46	12.58	12.58	11.86	13.24	13.94	14.19	14.28
14	13.31	12.76	12.16	12.24	12.26	12.58	12.67	12.16	13.17	13.88	14.19	14.31
15	13.40	12.57	12.20	12.27	11.80	12.48	12.86	12.58	13.20	13.91	14.24	14.38
16	13.23	12.37	12.33	12.86	11.72	12.35	12.77	12.68	13.24	13.95	14.37	14.03
17	13.15	12.23	12.13	12.84	11.93	12.37	12.88	12.62	13.20	13.92	14.58	14.03
18	13.28	12.22	11.73	12.68	12.42	12.66	13.15	12.59	13.13	13.90	14.23	14.23
19	13.31	12.13	11.49	12.87	12.40	12.69	12.95	12.55	13.10	13.92	14.21	14.32
20	13.36	11.86	11.22	12.89	12.34	12.51	12.98	12.53	13.18	13.99	14.09	14.35
21	13.21	11.90	11.29	12.95	12.31	12.48	13.66	12.51	13.19	14.01	13.94	14.39
22	13.19	12.33	11.67	12.90	12.14	12.44	13.77	12.48	13.27	14.12	14.18	14.19
23	13.38	12.72	12.06	12.87	12.35	12.55	13.48	12.86	13.27	14.17	14.34	14.45
24	13.37	12.81	12.33	12.80	12.53	12.57	13.02	12.93	13.35	14.25	14.43	14.47
25	13.48	12.90	12.40	12.77	12.47	12.45	13.05	12.83	13.47	14.24	14.26	14.23
26	13.35	12.67	12.33	12.80	12.64	12.22	13.92	12.91	13.47	14.29	14.23	14.46
27	13.07	12.38	12.15	12.83	12.65	12.10	13.16	12.96	13.46	14.35	14.34	14.43
28	12.97	12.41	12.03	12.88	12.62	11.90	13.20	12.94	13.44	14.32	14.33	14.45
29	13.00	12.37	11.94	12.81	---	11.71	13.09	12.86	13.45	14.37	14.02	14.34
30	12.95	12.16	11.98	12.80	---	11.69	13.03	12.95	13.64	14.46	14.21	14.20
31	12.92	---	11.86	12.78	---	12.21	---	13.04	---	14.55	14.12	---
TOTAL	406.35	373.08	368.86	380.15	349.05	387.09	395.92	390.19	394.68	437.89	443.45	427.75
MEAN	13.11	12.44	11.90	12.26	12.47	12.49	13.20	12.59	13.16	14.13	14.30	14.26
MAX	13.54	12.98	12.40	12.95	12.92	13.03	14.56	13.04	13.64	14.55	14.62	14.47
MIN	12.55	11.86	11.20	11.04	11.72	11.69	12.58	11.75	12.16	13.77	13.94	13.98

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.97	1.30	1.05	.23	.83	.50	.37	.15	.72	.68	.05	.80
2	1.02	1.39	.69	.24	1.21	.30	.56	.26	.74	.49	.05	.89
3	.89	1.29	.65	.35	1.03	.10	.66	.46	.70	.47	.06	1.27
4	.81	1.16	.41	.48	.77	.08	.88	.44	.63	.40	.10	1.56
5	.67	1.19	.57	.62	.42	-.05	.43	.22	.55	.29	.15	1.45
6	.89	1.10	.62	.52	.20	-.10	.08	.01	1.05	.38	.08	1.36
7	1.00	.86	.48	.43	.15	-.31	.08	-.11	1.60	.40	.20	1.35
8	1.06	.93	.49	.32	.30	-.32	.03	-.07	1.61	.44	.33	1.37
9	1.44	1.05	.59	.61	.68	.14	-.15	.03	1.38	.52	.45	1.54
10	1.32	.72	.81	.83	.94	.69	-.09	.10	1.11	.61	.55	1.64
11	.61	.75	.63	.60	.78	.88	.22	.18	.94	.51	.50	1.43
12	.31	.81	.50	.27	.71	.74	.37	.26	.80	.65	.44	1.32
13	.65	.67	.34	.55	.68	.47	.51	.33	.66	.82	.41	1.16
14	.88	.90	.34	.68	.20	.33	.48	.30	.53	.89	.40	1.00
15	.80	.97	.25	.63	-.08	.48	.51	.22	.41	.62	.36	.99
16	.80	.81	.35	.69	.04	.73	.42	.21	.49	.42	.43	.95
17	.76	.93	.33	.59	.20	.71	.26	.36	.54	.43	.60	.76
18	.62	1.17	.19	.65	.02	.59	.40	.50	.44	.43	.64	.84
19	.62	1.09	.03	.61	-.13	.75	.53	.54	.44	.27	.57	.83
20	.75	.86	-.12	.53	-.44	.81	.77	.58	.34	.17	.32	.86
21	.77	.86	-.01	.52	-.59	.47	.85	.85	.23	.28	.04	1.08
22	.68	.84	.08	.59	-.54	.22	.84	1.05	.11	.37	.09	1.45
23	.36	.80	.07	.61	-.54	.09	.58	.85	.12	.37	.33	1.62
24	.40	.68	-.03	.44	-.19	.03	.36	.67	.19	.27	.35	1.69
25	.45	.41	.26	.62	.10	.22	.44	.61	.34	.21	.27	1.54
26	.74	.27	.41	1.02	.33	.34	.57	.52	.84	.16	.33	1.25
27	.99	.29	.53	1.15	.51	.09	.55	.31	1.04	.29	.53	1.10
28	1.17	.21	.51	.85	.60	-.14	.43	.22	.89	.42	.70	1.21
29	1.15	.16	.47	.60	---	-.16	.22	.21	.94	.43	.75	1.34
30	1.18	.88	.34	.54	---	-.25	.09	.39	.91	.24	.79	1.71
31	1.21	---	.20	.35	---	-.04	---	.58	---	.16	.79	---
TOTAL	25.97	25.35	12.03	17.72	8.19	8.39	12.25	11.23	21.29	13.09	11.66	37.36
MEAN	.84	.84	.39	.57	.29	.27	.41	.36	.71	.42	.38	1.25
MAX	1.44	1.39	1.05	1.15	1.21	.88	.88	1.05	1.61	.89	.79	1.71
MIN	.31	.16	-.12	.23	-.59	-.32	-.15	-.11	.11	.16	.04	.76

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	32	29	31	31	32	34	33	32	35	37	---
2	21	32	30	30	30	32	34	33	32	35	---	---
3	21	30	29	29	30	33	33	32	32	34	---	33
4	21	31	29	28	31	34	33	32	31	35	---	32
5	21	35	29	29	32	33	35	33	31	36	---	33
6	21	28	30	29	32	33	37	33	30	36	---	---
7	20	29	30	29	33	34	35	33	31	35	---	---
8	20	29	31	29	33	34	33	32	31	35	---	---
9	26	27	30	29	32	33	34	32	31	35	---	---
10	24	31	29	29	31	32	33	31	31	35	---	---
11	22	31	28	30	31	31	33	30	32	35	---	---
12	15	31	30	31	31	31	32	31	32	34	---	---
13	24	32	31	31	31	32	32	30	33	34	---	---
14	23	40	31	30	32	32	32	31	33	34	35	---
15	33	27	31	31	31	31	32	32	33	34	36	---
16	23	30	31	32	31	31	32	32	33	35	36	---
17	18	30	31	32	31	31	33	32	33	35	---	34
18	24	29	30	32	32	32	33	32	33	35	---	35
19	25	33	30	32	33	31	32	31	33	35	35	---
20	24	33	30	32	33	31	32	31	33	35	35	---
21	23	34	30	32	33	31	33	31	34	35	36	---
22	33	30	31	32	33	32	34	30	34	35	---	---
23	34	35	31	32	33	32	33	31	34	35	---	---
24	20	37	32	32	33	33	33	32	34	36	---	---
25	22	33	32	32	32	32	33	32	34	36	---	---
26	40	39	31	31	32	31	34	32	33	36	---	---
27	23	21	31	31	32	31	33	33	32	36	---	---
28	22	32	30	32	32	32	33	33	33	36	---	---
29	26	28	30	32	---	31	33	33	33	36	---	---
30	14	35	31	32	---	31	34	33	33	36	---	---
31	14	---	31	32	---	32	---	32	---	37	---	---
TOTAL	725	944	939	955	891	991	997	988	974	1091	---	---
MEAN	23.4	31.5	30.3	30.8	31.8	32.0	33.2	31.9	32.5	35.2	---	---
MAX	40	40	32	32	33	34	37	33	34	37	---	---
MIN	14	21	28	28	30	31	32	30	30	34	---	---
AC-FT	1440	1870	1860	1890	1770	1970	1980	1960	1930	2160	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1991, BY WATER YEAR (WY)

MEAN	1114	971	542	427	480	657	775	413	632	894	1268	935
MAX	9325	8315	8293	3445	5986	7453	6887	5322	5162	6598	6331	7711
(WY)	1954	1954	1954	1954	1958	1983	1970	1958	1954	1968	1959	1953
MIN	10.0	10.0	10.0	10.0	10.0	10.0	10.0	4.90	4.27	10.0	10.0	10.0
(WY)	1956	1955	1953	1953	1953	1953	1953	1976	1976	1953	1955	1955

SUMMARY STATISTICS

FOR 1990 CALENDAR YEAR

WATER YEARS 1953 - 1991

ANNUAL TOTAL	8325.0	
ANNUAL MEAN	22.8	775
HIGHEST ANNUAL MEAN		4152
LOWEST ANNUAL MEAN		10.0
HIGHEST DAILY MEAN	51	Feb 20
LOWEST DAILY MEAN	5.1	Sep 20
ANNUAL SEVEN-DAY MINIMUM	11	Jul 15
ANNUAL RUNOFF (AC-FT)	16510	561300
10 PERCENT EXCEEDS	33	2540
50 PERCENT EXCEEDS	21	20
90 PERCENT EXCEEDS	13	10

REVISED

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.39	14.24	14.27	14.14	14.23	14.41	14.01	14.31	14.26	14.34	14.42	14.37
2	14.23	14.03	14.30	14.14	14.06	14.14	13.97	14.40	14.28	14.08	14.30	14.26
3	14.43	14.21	14.34	14.06	13.96	14.10	14.17	14.13	14.22	14.14	14.14	14.32
4	14.48	14.21	14.41	14.04	13.94	14.16	14.25	13.97	14.45	14.21	14.46	14.19
5	14.22	14.30	14.38	14.19	14.33	14.15	14.09	14.27	14.44	14.48	14.16	14.20
6	14.44	14.42	14.32	14.17	14.55	14.29	13.93	14.29	14.39	14.26	14.15	14.08
7	14.20	14.20	14.35	13.96	14.33	14.33	14.16	14.24	14.33	14.15	14.29	14.09
8	14.10	14.30	14.45	14.07	14.46	14.33	14.59	14.15	14.36	14.08	14.47	14.23
9	14.27	14.34	14.32	14.14	14.41	14.12	14.13	14.15	14.38	14.16	14.46	14.26
10	14.26	14.43	14.11	14.02	14.37	13.99	14.24	14.18	14.47	14.23	14.21	14.09
11	14.47	14.42	14.08	13.98	14.44	14.22	14.49	14.16	14.41	14.46	14.45	14.34
12	14.37	14.02	14.00	14.08	14.43	14.36	14.39	14.03	14.46	14.47	14.24	14.21
13	14.30	13.83	13.94	14.08	14.21	14.29	14.42	14.16	14.44	14.25	14.35	14.35
14	14.20	14.09	13.87	13.80	14.21	14.34	14.33	14.34	14.52	14.20	14.11	14.47
15	14.24	14.18	14.34	14.03	14.16	14.39	14.22	14.30	14.48	14.07	14.17	14.08
16	14.34	14.41	14.53	14.16	14.14	14.24	14.17	14.19	14.55	14.03	14.39	14.29
17	14.38	14.59	14.47	14.30	13.88	14.02	14.17	14.40	14.50	14.27	14.22	14.28
18	14.12	14.32	14.36	14.41	14.12	14.03	14.20	14.44	14.46	14.20	14.15	14.22
19	14.37	14.03	14.10	14.52	14.05	14.15	14.28	14.24	14.53	14.15	14.30	14.14
20	14.21	14.33	13.81	14.46	14.10	14.21	14.36	13.85	14.64	14.17	14.29	14.30
21	14.30	14.49	13.93	14.21	14.07	14.07	14.22	13.92	14.69	14.09	14.17	14.36
22	14.21	14.35	14.15	14.15	14.41	14.19	14.18	14.18	14.63	14.14	14.32	14.19
23	14.12	14.48	14.24	14.14	14.54	14.38	14.19	14.24	14.67	14.18	14.01	14.22
24	14.13	14.19	14.30	14.11	14.41	14.37	14.12	14.32	14.44	14.21	14.27	14.31
25	14.17	14.24	14.47	14.04	14.44	14.35	14.26	14.28	14.44	14.20	14.10	14.15
26	14.32	14.16	14.37	14.32	14.53	14.27	14.37	14.02	14.45	14.28	14.22	14.24
27	14.34	14.10	14.15	14.13	14.46	14.22	14.21	14.11	14.64	14.25	14.11	14.44
28	14.23	14.14	14.26	13.94	14.44	14.17	14.07	14.20	14.46	14.20	14.31	14.52
29	14.21	14.36	14.51	14.11	14.45	14.13	14.01	13.96	14.36	14.35	14.15	14.44
30	14.40	14.32	14.34	14.22	---	14.09	13.94	14.03	14.41	14.43	14.39	14.41
31	14.45	---	14.12	14.33	---	14.09	---	14.18	---	14.51	14.35	---
TOTAL	442.90	427.73	441.59	438.45	414.13	440.60	426.14	439.64	433.76	441.24	442.13	428.05
MEAN	14.29	14.26	14.24	14.14	14.28	14.21	14.20	14.18	14.46	14.23	14.26	14.27
MAX	14.48	14.59	14.53	14.52	14.55	14.41	14.59	14.44	14.69	14.51	14.47	14.52
MIN	14.10	13.83	13.81	13.80	13.88	13.99	13.93	13.85	14.22	14.03	14.01	14.08

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 59

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.77	1.95	.51	.56	.56	-.36	.18	.65	.70	1.15	.35	---
2	1.51	1.57	.29	.99	.66	-.46	.19	.46	.58	1.00	.20	.44
3	1.30	1.51	.06	1.09	.67	-.25	.48	.32	.68	.89	.17	.26
4	1.44	1.91	-.02	1.06	.61	-.12	.57	.17	.50	.98	.27	.22
5	1.28	1.96	.34	.93	.69	.00	.51	.36	.49	.93	.12	.24
6	1.19	1.83	.31	.80	.65	.08	.48	.28	.53	.72	-.08	.33
7	1.38	1.92	.24	.76	.85	-.07	.17	.36	.59	.32	.07	.43
8	2.02	2.00	.10	.79	.91	-.04	.16	.56	.48	.04	---	.39
9	1.92	1.99	-.05	.58	.80	-.02	.42	.52	.51	.05	---	.39
10	1.80	1.86	-.11	.34	.84	-.10	.38	.37	.40	-.02	---	.40
11	1.66	1.65	.05	.48	.85	-.11	.35	.27	.50	-.11	---	.43
12	1.38	1.46	.29	.42	.75	.03	.40	.33	.53	-.15	---	.40
13	1.10	1.36	.37	.21	.63	.02	.63	.45	.84	-.19	---	.62
14	.99	1.42	.15	-.01	.58	-.03	1.45	.38	.85	-.10	---	1.18
15	1.08	1.07	.31	.15	.40	.05	1.39	.50	.80	-.08	---	1.17
16	1.15	.82	.52	.25	.24	.25	.99	.43	.78	-.08	---	1.07
17	1.19	.78	.47	.27	.14	.39	.66	.52	.72	.01	---	1.03
18	1.13	.76	.14	.19	.13	.17	.47	.59	.68	.01	---	.92
19	1.10	.80	.43	.20	.13	-.13	.36	.69	.70	.16	---	.69
20	1.17	.60	.95	.60	.29	-.11	.18	.74	.75	.22	---	.62
21	1.21	.39	.50	.79	.33	.25	.00	.69	.53	.15	---	.66
22	1.27	.32	.33	.44	.20	.27	-.11	.97	.43	.11	---	.71
23	1.46	.24	.43	.21	-.03	.14	-.21	1.11	.49	.19	---	.83
24	1.45	.36	.34	.01	-.12	.45	-.13	1.02	.65	.11	---	1.01
25	1.42	.59	.42	.00	-.04	.69	.02	.89	.53	-.13	---	1.32
26	1.33	.79	.49	.05	-.29	.30	.27	.58	.43	.04	---	1.44
27	1.39	.90	.55	-.01	-.26	.21	.42	.45	.34	.10	---	1.54
28	1.57	1.04	.39	-.06	-.08	.00	.44	.56	.59	-.01	---	1.78
29	1.92	1.06	.41	.09	-.22	-.01	.85	.70	.80	.01	---	1.95
30	2.16	.82	.44	.29	---	-.08	1.03	.71	1.37	.13	---	2.08
31	2.12	---	.35	.39	---	.01	---	.71	---	.30	---	---
TOTAL	44.86	35.73	10.00	12.86	10.87	1.42	13.00	17.34	18.77	6.75	---	---
MEAN	1.45	1.19	.32	.41	.37	.05	.43	.56	.63	.22	---	---
MAX	2.16	2.00	.95	1.09	.91	.69	1.45	1.11	1.37	1.15	---	---
MIN	.99	.24	-.11	-.06	-.29	-.46	-.21	.17	.34	-.19	---	---

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	760	35	126	35	35	35	35	35	35	1310	335	---
2	1020	35	35	35	35	35	35	35	35	1330	279	585
3	998	35	35	35	35	35	35	35	35	810	444	805
4	992	35	35	35	35	35	35	35	35	796	494	768
5	706	35	35	35	51	35	35	35	35	456	738	1320
6	904	35	35	35	365	35	35	35	35	605	412	1970
7	555	35	35	35	83	35	35	35	35	545	414	1960
8	450	35	35	35	44	35	307	35	35	414	---	1460
9	636	35	35	35	128	35	35	35	35	353	---	1020
10	653	35	35	35	35	35	35	35	35	380	---	829
11	672	35	35	35	35	35	35	35	---	344	---	611
12	656	35	35	35	100	35	337	35	---	647	---	546
13	502	35	35	35	73	35	56	35	---	547	---	467
14	508	35	35	35	35	35	161	35	---	546	---	831
15	270	35	35	35	35	35	116	35	---	444	---	611
16	662	35	35	35	35	35	35	35	---	301	---	303
17	440	73	35	35	35	35	35	35	---	115	---	510
18	317	123	35	35	35	35	35	35	---	332	---	513
19	392	35	35	50	35	35	35	35	---	452	---	496
20	401	62	35	191	35	35	35	35	---	801	---	286
21	400	200	35	73	35	35	35	35	---	591	---	384
22	363	97	35	35	35	35	35	35	---	485	---	311
23	219	216	35	35	148	56	35	35	---	373	---	276
24	232	158	35	35	35	104	35	35	---	522	---	302
25	123	35	35	35	56	101	35	35	---	291	---	435
26	133	35	35	35	454	87	35	35	---	291	---	149
27	214	35	35	35	167	35	35	35	---	273	---	395
28	150	35	35	35	145	35	35	35	---	124	---	1330
29	35	95	50	35	35	35	35	35	---	35	---	2400
30	35	186	183	35	---	35	35	35	---	35	---	1510
31	119	---	35	35	---	35	---	35	---	187	---	---
TOTAL	14517	1945	1339	1294	2409	1293	1852	1085	---	14735	---	---
MEAN	468	64.8	43.2	41.7	83.1	41.7	61.7	35.0	---	475	---	---
MAX	1020	216	183	191	454	104	337	35	---	1330	---	---
MIN	35	35	35	35	35	35	35	35	---	35	---	---
AC-FT	28790	3860	2660	2570	4780	2560	3670	2150	---	29230	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1992, BY WATER YEAR (WY)

MEAN	1098	948	529	417	470	641	757	404	632	883	1268	935
MAX	9325	8315	8293	3445	5986	7453	6887	5322	5162	6598	6331	7711
(WY)	1954	1954	1954	1954	1958	1983	1970	1958	1954	1968	1959	1953
MIN	10.0	10.0	10.0	10.0	10.0	10.0	10.0	4.90	4.27	10.0	10.0	10.0
(WY)	1956	1955	1953	1953	1953	1953	1953	1976	1976	1953	1955	1955

SUMMARY STATISTICS

WATER YEARS 1953 - 1992

ANNUAL MEAN	775	
HIGHEST ANNUAL MEAN	4152	1954
LOWEST ANNUAL MEAN	10.0	1962
HIGHEST DAILY MEAN	11500	Mar 26 1970
LOWEST DAILY MEAN	4.0	May 3 1976
ANNUAL SEVEN-DAY MINIMUM	4.0	May 3 1976
ANNUAL RUNOFF (AC-FT)	561300	
10 PERCENT EXCEEDS	2510	
50 PERCENT EXCEEDS	20	
90 PERCENT EXCEEDS	10	

REVISED

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 61

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.19	14.33	14.17	14.68	14.12	14.28	14.28	14.22	14.49	14.67	14.23	13.83
2	14.09	14.13	14.26	14.47	14.35	14.34	14.24	14.20	14.41	14.64	14.12	13.88
3	14.28	14.36	14.19	14.13	14.38	14.53	14.02	14.23	14.39	14.57	14.02	13.89
4	14.25	14.51	14.27	14.66	14.42	14.48	14.26	14.33	14.30	14.51	14.02	13.90
5	14.08	14.35	14.52	14.32	14.52	14.29	14.30	14.37	14.52	14.51	14.01	13.91
6	14.31	14.51	14.22	14.20	14.41	14.25	14.45	14.34	14.39	14.48	14.00	14.01
7	14.39	14.71	14.25	14.44	14.32	14.44	13.93	14.37	14.19	14.45	13.91	14.02
8	14.29	14.62	14.17	14.31	14.45	14.26	14.12	14.49	14.29	14.49	13.80	14.07
9	14.27	14.60	14.15	14.56	14.43	14.15	14.59	14.60	14.35	14.59	13.80	14.09
10	14.32	14.20	14.40	14.28	14.27	14.50	14.58	14.44	14.21	14.56	13.81	14.17
11	14.36	14.61	14.69	14.32	14.35	14.41	14.05	14.23	14.21	14.52	13.86	14.14
12	14.33	14.41	14.24	14.59	14.23	14.15	13.83	14.26	14.50	14.49	13.88	14.15
13	14.17	14.22	14.20	14.12	14.22	14.69	13.73	14.43	14.59	14.43	13.90	14.10
14	14.14	14.31	14.46	14.24	14.23	14.58	14.27	14.51	14.36	14.40	13.96	14.11
15	14.26	14.15	14.54	14.31	14.27	14.40	14.40	14.50	14.46	14.46	14.06	14.11
16	14.24	14.13	14.44	14.49	14.24	14.52	14.60	14.56	14.40	14.46	14.03	14.10
17	14.30	14.23	14.41	14.54	14.30	14.19	14.57	14.31	14.29	14.45	13.92	14.10
18	14.13	14.08	14.57	14.49	14.29	14.50	14.40	14.26	14.26	14.42	13.86	14.14
19	14.14	14.31	14.55	14.54	14.26	14.43	14.46	14.29	14.31	14.35	13.86	14.09
20	14.21	14.58	14.47	14.37	14.25	14.33	14.32	14.35	14.29	14.35	13.85	14.06
21	14.41	14.30	14.26	14.38	14.50	14.45	14.30	14.34	14.38	14.31	13.80	14.11
22	14.47	14.44	14.07	14.19	14.36	14.50	14.18	14.38	14.38	14.34	13.83	14.11
23	14.68	14.12	14.16	13.97	14.21	14.54	14.32	14.47	14.42	14.31	13.72	14.05
24	14.57	14.48	14.32	14.08	14.06	14.51	14.37	14.21	14.37	14.19	13.63	14.06
25	14.31	14.30	14.55	14.43	14.28	14.87	14.38	14.11	14.35	14.12	13.73	14.11
26	14.21	14.48	14.38	14.38	14.49	14.29	14.38	14.24	14.45	14.14	13.68	14.13
27	14.22	14.23	14.22	14.16	14.22	14.44	14.44	14.21	14.60	14.15	13.64	14.20
28	14.30	14.38	14.45	14.28	14.31	14.46	14.36	14.47	14.60	14.18	13.73	14.12
29	14.28	14.54	14.61	14.29	---	14.57	14.32	14.62	14.62	14.21	13.93	14.07
30	14.21	14.26	14.40	14.37	---	14.43	14.14	14.16	14.68	14.32	14.17	14.06
31	14.17	---	14.32	14.38	---	14.47	---	14.19	---	14.33	13.94	---
TOTAL	442.58	430.88	444.91	444.97	400.74	447.25	428.59	444.69	432.06	446.40	430.70	421.89
MEAN	14.28	14.36	14.35	14.35	14.31	14.43	14.29	14.34	14.40	14.40	13.89	14.06
MAX	14.68	14.71	14.69	14.68	14.52	14.87	14.60	14.62	14.68	14.67	14.23	14.20
MIN	14.08	14.08	14.07	13.97	14.06	14.15	13.73	14.11	14.19	14.12	13.63	13.83

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.70	.61	.58	.66	.55	.76	.55	.49	.72	.29	.11	.65
2	2.21	.70	.37	1.11	.82	.82	.43	.41	.69	.39	.17	.56
3	1.64	.61	.24	1.38	1.24	.76	.46	.29	.43	.39	.09	.47
4	1.14	.45	.30	1.01	1.28	.39	.50	.14	.40	.27	-.27	.35
5	.70	.17	.11	.57	1.33	.19	.38	.14	.21	.10	-.34	.40
6	1.19	.16	.29	.45	1.29	.29	.60	.17	.05	.04	-.28	.41
7	2.02	.68	.17	.37	1.32	.30	.82	.33	.04	.16	-.30	.51
8	2.12	1.03	.14	.26	1.14	.28	.95	.37	.15	.34	-.32	.49
9	1.81	1.77	.41	.66	1.26	.21	.73	.38	.11	.33	-.14	.48
10	1.77	1.97	.29	.87	1.11	.08	.52	.42	-.07	.21	.01	.32
11	1.62	1.34	.12	.95	1.16	-.06	.82	.33	-.20	-.05	.03	.17
12	1.50	.94	.46	1.02	1.08	-.03	.78	.31	-.22	-.10	.13	.40
13	1.59	.66	.59	1.07	.96	-.69	.56	.16	-.12	-.08	.10	.65
14	1.42	.91	.77	1.10	1.05	-.69	.48	.02	.13	-.25	-.07	.81
15	1.22	1.16	1.15	1.10	.93	-.32	.39	.19	.46	-.38	-.12	.86
16	1.10	1.10	1.10	1.18	.68	.08	.33	.33	.60	-.23	.10	.86
17	1.19	1.31	.83	1.39	.49	-.16	.38	.35	.59	-.24	.69	.88
18	1.40	1.75	.71	1.10	.89	.29	.43	.28	.40	-.04	.82	.71
19	1.84	1.86	.77	.82	1.20	1.51	.45	.14	.30	.27	.73	.76
20	1.84	2.05	.55	.85	1.08	1.34	.41	.31	.29	.43	.54	.87
21	1.59	1.70	.34	.83	.81	1.28	.32	.41	.27	.47	.64	.86
22	1.63	1.84	.30	.55	.52	1.32	.39	.68	.38	.44	.74	.71
23	1.67	1.28	.21	.46	.80	.86	.48	.72	.38	.47	.75	.72
24	1.79	.97	.24	.55	.93	.57	.14	.43	.42	.42	.86	.72
25	1.67	.72	.72	.84	.78	.87	-.14	.23	.42	.20	.78	.72
26	1.32	.47	.48	1.92	.50	.54	-.41	.06	.47	.08	.72	.54
27	.99	.41	.52	2.28	.45	.43	-.08	.24	.34	.09	.69	.44
28	.87	.71	.60	1.88	.69	.38	.60	.47	.31	.23	.59	.39
29	.79	.85	.90	1.23	---	.38	.72	.40	.18	.31	.54	.85
30	.65	.70	.74	.94	---	.30	.56	.47	.15	.24	.55	1.25
31	.52	---	.54	.81	---	.26	---	.57	---	.19	.71	---
TOTAL	45.51	30.88	15.54	30.21	26.34	12.54	13.55	10.24	8.28	4.99	9.25	18.81
MEAN	1.47	1.03	.50	.97	.94	.40	.45	.33	.28	.16	.30	.63
MAX	2.70	2.05	1.15	2.28	1.33	1.51	.95	.72	.72	.47	.86	1.25
MIN	.52	.16	.11	.26	.45	-.69	-.41	.02	-.22	-.38	-.34	.17

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2230	35	257	35	622	454	1560	35	164	37	36	34
2	1260	35	196	35	1110	137	2410	35	419	37	36	34
3	889	35	220	35	1820	225	2320	36	36	36	36	35
4	1280	35	35	35	1710	290	1730	36	36	37	37	35
5	554	35	332	35	1300	257	1180	36	37	37	37	35
6	881	35	246	35	998	64	1000	36	37	37	36	35
7	776	35	93	35	770	112	727	36	36	37	36	35
8	846	35	35	145	561	258	644	36	36	36	36	35
9	749	691	35	1590	496	35	499	36	36	37	36	30
10	700	1150	35	1240	452	35	458	36	37	37	35	30
11	378	897	362	1160	313	35	1560	36	37	37	35	30
12	613	1160	349	1010	990	35	2340	36	37	37	35	30
13	390	801	96	1530	1580	35	2290	36	37	37	35	30
14	453	621	35	1490	1500	165	1740	37	36	37	36	30
15	266	550	35	1080	1110	132	1190	37	36	38	36	30
16	383	274	35	785	843	723	1160	36	35	37	36	30
17	283	509	35	628	736	214	759	36	35	37	34	30
18	396	537	35	464	517	590	676	36	36	37	34	30
19	239	483	148	455	442	939	511	36	36	36	34	30
20	246	500	196	480	176	805	454	36	36	36	34	30
21	253	809	163	285	66	e1650	1300	36	36	36	34	30
22	253	1070	35	961	1130	1540	1980	35	36	36	34	30
23	255	862	35	1610	1730	1140	1900	35	36	36	34	30
24	279	575	35	1570	1510	1640	1450	35	36	35	33	30
25	155	764	168	1410	1130	2660	1080	36	36	36	34	30
26	88	515	289	2830	853	1170	815	36	36	36	34	30
27	35	566	98	1900	734	1240	602	36	37	36	34	30
28	35	285	35	1150	518	740	544	36	37	36	34	30
29	35	423	222	1010	---	556	469	742	37	36	35	30
30	35	349	282	813	---	607	137	726	37	36	35	30
31	35	---	162	920	---	333	---	908	---	36	34	---
TOTAL	15270	14671	4334	26761	25717	18816	35485	3381	1599	1132	1085	938
MEAN	493	489	140	863	918	607	1183	109	53.3	36.5	35.0	31.3
MAX	2230	1160	362	2830	1820	2660	2410	908	419	38	37	35
MIN	35	35	35	35	66	35	137	35	35	35	33	30
AC-FT	30290	29100	8600	53080	51010	37320	70380	6710	3170	2250	2150	1860

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1993, BY WATER YEAR (WY)

MEAN	1083	937	520	428	480	641	768	397	618	863	1236	912
MAX	9325	8315	8293	3445	5986	7453	6887	5322	5162	6598	6331	7711
(WY)	1954	1954	1954	1954	1958	1983	1970	1958	1954	1968	1959	1953
MIN	10.0	10.0	10.0	10.0	10.0	10.0	10.0	4.90	4.27	10.0	10.0	10.0
(WY)	1956	1955	1953	1953	1953	1953	1953	1976	1976	1953	1955	1955

SUMMARY STATISTICS

FOR 1993 WATER YEAR

WATER YEARS 1953 - 1993

ANNUAL TOTAL	149189		
ANNUAL MEAN	409		765
HIGHEST ANNUAL MEAN			4152
LOWEST ANNUAL MEAN			10.0
HIGHEST DAILY MEAN	2830	Jan 26	11500
LOWEST DAILY MEAN	30	Sep 9	4.0
ANNUAL SEVEN-DAY MINIMUM	30	Sep 9	4.0
ANNUAL RUNOFF (AC-FT)	295900		554500
10 PERCENT EXCEEDS	1210		2490
50 PERCENT EXCEEDS	37		20
90 PERCENT EXCEEDS	34		10

e Estimated

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EVERGLADES AND SOUTHEASTERN COASTAL AREA

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.02	14.45	14.22	14.07	14.24	14.32	14.48	14.17	13.70	14.68	14.17	14.37
2	13.98	14.40	14.34	14.18	14.40	14.64	14.36	14.18	13.71	14.75	14.26	14.30
3	14.05	14.43	14.40	14.27	14.36	14.70	14.38	14.23	13.79	14.51	14.34	14.15
4	14.05	14.39	14.44	14.44	14.41	14.33	14.45	14.44	13.97	14.48	14.37	14.13
5	14.12	14.51	14.50	14.12	14.48	14.51	14.40	14.30	14.06	14.31	14.17	14.16
6	14.47	14.55	14.42	14.07	14.49	14.36	14.42	14.08	14.10	14.31	14.16	14.17
7	14.53	14.44	---	14.09	14.43	14.20	14.45	14.09	14.18	14.23	14.11	14.40
8	14.45	14.43	---	14.13	14.43	14.45	14.18	14.28	14.19	14.33	14.12	14.12
9	14.62	14.45	14.32	14.13	14.47	14.27	14.11	14.21	14.21	14.11	14.19	14.38
10	14.55	14.43	14.36	13.99	14.43	14.44	14.16	14.17	14.24	14.04	14.22	14.22
11	14.48	14.34	14.54	14.00	14.47	14.23	14.12	14.08	14.27	14.20	14.28	14.38
12	14.46	14.38	14.23	14.20	14.48	14.29	14.16	14.06	14.21	14.09	14.08	14.31
13	14.38	14.36	14.25	14.29	14.51	14.42	14.31	14.04	14.20	14.29	14.17	14.55
14	14.36	14.36	14.32	14.39	14.18	14.30	14.56	13.93	14.19	14.41	14.33	14.50
15	14.44	14.37	14.41	14.24	14.30	14.15	14.33	13.89	14.14	14.18	14.29	14.20
16	14.45	14.33	14.32	14.03	14.32	14.41	14.28	13.90	14.14	14.48	14.19	14.12
17	14.66	14.39	14.23	14.08	14.33	14.52	14.25	13.96	14.20	14.28	14.28	14.08
18	14.48	14.41	14.20	14.19	14.17	14.50	14.15	13.94	14.23	14.31	14.21	14.58
19	14.47	14.44	14.20	14.02	14.32	14.48	14.20	14.01	14.36	14.34	14.61	14.24
20	14.49	14.41	14.17	14.13	14.45	14.44	14.24	13.87	14.37	14.31	14.14	14.30
21	14.51	14.34	14.28	14.08	14.49	14.46	14.30	13.90	14.44	14.22	14.06	14.27
22	14.48	14.31	14.18	14.09	14.45	14.43	14.51	13.86	14.52	14.26	14.24	14.14
23	14.54	14.31	14.21	14.13	14.50	14.39	14.49	13.85	14.53	14.29	14.35	14.04
24	14.58	14.47	14.18	14.14	14.57	14.47	14.41	13.80	14.54	14.28	14.32	14.62
25	14.62	14.51	14.25	14.10	14.51	14.54	14.37	13.77	14.56	14.30	14.24	14.40
26	14.65	14.46	14.14	14.11	14.54	14.55	14.32	13.75	14.46	14.38	14.34	14.54
27	14.62	14.55	14.09	14.11	14.33	14.57	14.35	13.73	14.51	14.09	14.24	14.28
28	14.58	14.56	14.11	14.26	14.19	14.57	14.24	13.71	14.55	14.02	14.39	14.19
29	14.56	14.41	14.15	14.31	---	14.48	14.11	13.58	14.54	14.43	14.12	14.27
30	14.75	14.33	14.09	14.40	---	14.29	14.14	13.68	14.59	13.67	14.10	14.19
31	14.68	---	14.11	14.30	---	14.47	---	13.68	---	14.29	14.13	---
TOTAL	448.08	432.52	---	439.09	403.25	447.18	429.23	433.14	427.70	442.87	441.22	428.60
MEAN	14.45	14.42	---	14.16	14.40	14.43	14.31	13.97	14.26	14.29	14.23	14.29
MAX	14.75	14.56	---	14.44	14.57	14.70	14.56	14.44	14.59	14.75	14.61	14.62
MIN	13.98	14.31	---	13.99	14.17	14.15	14.11	13.58	13.70	13.67	14.06	14.04

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 65

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	.85	1.43	.44	.54	.56	.35	.19	.58	-.07	-.09	.05
2	---	.84	1.48	.20	.90	.11	.43	.26	.55	.12	.08	.13
3	---	.61	1.36	.20	.72	-.17	.25	.30	.42	.22	.26	.20
4	---	.61	1.30	.05	.30	.18	.09	.45	.38	.11	.30	.54
5	---	.53	.94	.12	.08	.23	.18	.68	.47	.01	.37	.99
6	---	.43	.84	.24	.03	.30	.04	.68	.39	.09	.39	1.10
7	---	.53	.85	.11	.04	.27	-.17	.46	.25	.21	.49	1.04
8	---	.81	.84	.11	.16	.28	.10	.24	.12	.16	.77	.90
9	---	.83	.83	.48	-.07	.29	.33	.17	-.03	.07	1.05	.92
10	---	1.15	.91	.90	-.23	.09	.17	.19	.18	.08	1.06	.93
11	---	1.58	.85	.83	-.34	.15	-.05	.37	.50	.05	1.01	.88
12	---	1.28	1.07	.45	-.35	.57	-.23	.50	.56	-.02	.81	.89
13	1.32	1.09	1.13	.35	-.12	.43	-.37	.57	.41	-.06	.54	1.16
14	1.29	.77	.86	.40	.53	.37	-.45	.57	.33	.07	.30	1.13
15	1.27	.49	.69	.13	.45	.42	-.45	.60	.31	.02	.30	.99
16	1.34	.34	.77	.20	.28	.25	-.40	.38	.22	-.05	.06	.88
17	1.19	.23	.82	.24	.63	.34	-.41	.18	.37	-.08	-.12	.69
18	1.35	.26	.89	-.03	1.41	.19	-.03	.31	.59	-.17	-.11	.68
19	1.09	.56	.93	.39	1.38	-.05	.03	.58	.69	-.16	.02	.76
20	.93	.74	.97	.41	.84	-.03	.00	1.22	.60	-.14	.22	1.34
21	.76	1.12	.63	.30	.64	-.03	.05	1.58	.59	-.01	.10	1.63
22	.72	1.31	.64	.33	.64	-.09	.14	1.64	.57	.12	.04	1.66
23	.90	1.57	.48	.10	.52	.16	.34	1.34	.43	.06	.06	1.56
24	1.33	1.55	.55	-.03	.28	.06	.82	1.11	.25	-.05	.19	1.30
25	1.49	1.82	.47	-.03	.51	.03	.82	.94	.11	-.05	.42	1.01
26	1.51	1.97	.23	.09	.65	.09	.49	.72	-.05	-.04	.53	1.26
27	1.58	1.70	.00	.37	.87	.06	.37	.52	-.10	-.19	.49	1.15
28	1.43	1.32	-.18	.25	.92	-.13	.37	.52	-.16	-.27	.45	1.16
29	1.11	1.21	-.12	-.03	---	-.28	.36	.65	-.16	-.16	.45	1.24
30	.74	1.12	.09	-.08	---	.12	.29	.69	-.09	-.32	.36	1.23
31	.59	---	.34	.30	---	.24	---	.69	---	-.25	.14	---
TOTAL	---	29.22	22.89	7.79	12.21	5.01	3.46	19.30	9.28	-0.70	10.94	29.40
MEAN	---	.97	.74	.25	.44	.16	.12	.62	.31	-.02	.35	.98
MAX	---	1.97	1.48	.90	1.41	.57	.82	1.64	.69	.22	1.06	1.66
MIN	---	.23	-.18	-.08	-.35	-.28	-.45	.17	-.16	-.32	-.12	.05

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	35	35	35	35	35	35	35	35	212	608	326
2	35	35	35	35	35	112	35	35	35	1040	547	548
3	35	35	35	35	35	448	35	35	35	1660	636	386
4	35	35	35	35	35	396	35	35	35	1240	807	431
5	35	35	35	35	35	123	35	35	35	909	757	272
6	35	35	35	35	35	431	35	35	35	805	671	268
7	35	35	70	35	35	98	35	35	35	608	591	476
8	35	35	70	35	35	188	35	35	35	742	192	441
9	35	35	35	35	35	161	35	35	35	545	204	410
10	35	35	35	35	35	230	35	35	35	426	379	463
11	35	35	35	35	35	98	35	35	35	421	745	421
12	35	35	35	35	35	35	35	35	35	352	708	606
13	35	35	35	35	35	35	35	35	35	291	797	926
14	35	35	35	35	35	35	35	35	35	681	850	1470
15	35	35	35	35	35	35	35	35	35	372	1030	1300
16	35	35	35	35	35	35	35	35	35	466	566	1060
17	35	35	35	35	35	35	35	35	35	504	548	743
18	35	35	35	35	35	35	35	35	35	292	449	747
19	35	35	35	35	35	35	35	35	35	292	754	835
20	35	35	35	35	35	35	35	35	35	292	1050	1850
21	35	35	35	35	35	35	35	35	35	291	553	2460
22	35	35	35	35	35	35	35	35	35	291	547	1540
23	35	35	35	35	35	35	35	35	35	291	549	1400
24	35	35	35	35	35	35	35	35	35	291	548	1710
25	35	35	35	35	35	35	35	35	35	291	547	1440
26	35	35	35	35	35	35	35	35	35	487	758	1920
27	35	35	35	35	35	35	35	35	35	465	547	1720
28	35	35	35	71	35	35	35	35	35	232	790	1350
29	35	35	35	35	---	35	35	35	35	1400	946	1180
30	35	35	35	35	---	35	35	35	35	620	702	1180
31	259	---	35	35	---	35	---	35	---	656	437	---
TOTAL	1309	1050	1155	1121	980	3020	1050	1085	1050	17465	19813	29879
MEAN	42.2	35.0	37.3	36.2	35.0	97.4	35.0	35.0	35.0	563	639	996
MAX	259	35	70	71	35	448	35	35	35	1660	1050	2460
MIN	35	35	35	35	35	35	35	35	35	212	192	268
AC-FT	2600	2080	2290	2220	1940	5990	2080	2150	2080	34640	39300	59260

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1994, BY WATER YEAR (WY)

	MEAN	1058	915	508	419	470	628	750	388	603	856	1221	914
MAX	9325	8315	8293	3445	5986	7453	6887	5322	5162	6598	6331	7711	
(WY)	1954	1954	1954	1954	1958	1983	1970	1958	1954	1968	1959	1953	
MIN	10.0	10.0	10.0	10.0	10.0	10.0	10.0	4.90	4.27	10.0	10.0	10.0	
(WY)	1956	1955	1953	1953	1953	1953	1953	1976	1976	1953	1955	1955	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1953 - 1994

ANNUAL TOTAL	118428	78977	
ANNUAL MEAN	324	216	752
HIGHEST ANNUAL MEAN			4152
LOWEST ANNUAL MEAN			10.0
HIGHEST DAILY MEAN	2830	Jan 26	2460
LOWEST DAILY MEAN	30	Sep 9	35
ANNUAL SEVEN-DAY MINIMUM	30	Sep 9	35
ANNUAL RUNOFF (AC-FT)	234900	156700	544500
10 PERCENT EXCEEDS	1160	722	2460
50 PERCENT EXCEEDS	36	35	20
90 PERCENT EXCEEDS	34	35	10

REVISED

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 67

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.35	13.87	13.97	13.95	13.77	14.21	14.43	14.15	14.03	14.50	14.12	13.63
2	14.38	14.11	14.08	13.87	13.82	14.31	14.49	14.14	14.24	14.73	14.41	13.63
3	14.06	14.15	13.81	13.78	13.76	14.12	14.11	14.08	14.52	14.25	14.67	13.62
4	14.21	14.13	13.91	13.83	13.73	14.00	14.29	14.25	14.64	14.28	14.68	13.50
5	14.27	14.25	14.15	13.99	13.91	13.98	13.94	14.61	14.28	14.07	14.31	13.46
6	14.33	14.15	13.86	13.86	13.80	13.92	14.47	14.47	14.25	14.07	14.20	13.49
7	14.25	14.02	14.00	14.26	13.98	14.03	14.68	14.64	14.34	14.19	14.09	13.51
8	14.17	14.53	14.01	14.05	14.10	14.27	14.35	14.56	14.37	14.39	14.21	13.70
9	14.12	14.52	14.01	13.86	13.93	14.25	13.94	14.50	14.39	14.30	13.97	13.57
10	14.18	14.35	13.93	13.79	14.43	13.95	13.85	14.35	14.37	14.08	14.00	13.55
11	13.94	14.04	13.95	13.87	14.50	13.82	14.06	14.10	14.45	14.13	14.08	13.67
12	14.49	14.08	13.95	13.91	14.29	14.12	14.26	14.38	14.42	14.40	14.42	13.58
13	14.40	14.19	13.86	14.07	14.13	14.19	14.11	14.44	14.43	14.54	13.83	13.78
14	14.14	14.18	13.86	14.19	14.31	14.06	14.14	14.40	14.47	14.34	13.79	13.38
15	14.47	14.16	13.86	14.19	14.53	14.09	14.29	14.26	14.46	14.11	13.80	13.56
16	14.37	14.70	13.78	14.11	14.40	14.00	14.34	14.14	14.08	14.01	13.96	13.48
17	14.15	14.24	13.89	13.92	14.08	14.70	14.30	14.17	14.20	14.18	13.99	13.47
18	14.13	14.21	13.98	13.87	13.99	14.37	14.01	14.18	14.53	14.39	13.94	13.42
19	14.48	14.08	13.83	13.89	13.96	14.17	13.97	14.16	14.29	14.37	13.89	13.38
20	14.12	13.93	13.72	13.85	14.23	13.90	13.99	14.28	14.34	14.22	13.99	13.43
21	13.91	13.95	14.22	13.87	14.43	14.10	14.22	14.50	14.03	14.36	13.96	13.23
22	14.07	13.93	14.34	13.92	14.20	14.31	14.47	14.21	14.17	14.44	13.88	13.46
23	14.23	13.96	14.41	13.88	14.18	14.46	14.43	14.41	14.39	14.23	14.02	13.90
24	14.15	13.82	14.04	13.79	14.24	14.26	14.42	14.24	14.35	14.18	14.64	14.14
25	14.22	13.99	14.01	13.72	14.25	14.33	14.41	14.33	14.41	14.48	13.76	13.96
26	14.22	14.09	14.02	13.92	14.16	14.46	14.41	14.48	14.56	14.47	14.02	13.91
27	14.33	13.91	13.91	13.86	14.11	14.13	14.42	14.27	14.10	14.31	14.01	13.94
28	14.29	13.90	14.03	13.84	14.23	14.16	14.28	14.08	14.28	14.37	13.99	14.31
29	14.11	13.93	14.04	14.00	---	14.31	14.19	14.21	14.11	14.52	13.99	14.48
30	14.31	14.01	13.97	14.02	---	14.09	14.06	13.99	14.24	14.16	13.67	14.12
31	14.56	---	13.95	13.96	---	13.96	---	13.92	---	14.12	13.65	---
TOTAL	441.41	423.38	433.35	431.89	395.45	439.03	427.33	442.90	429.74	443.19	435.94	410.26
MEAN	14.24	14.11	13.98	13.93	14.12	14.16	14.24	14.29	14.32	14.30	14.06	13.68
MAX	14.56	14.70	14.41	14.26	14.53	14.70	14.68	14.64	14.64	14.73	14.68	14.48
MIN	13.91	13.82	13.72	13.72	13.73	13.82	13.85	13.92	14.03	14.01	13.65	13.23

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.28	1.31	1.27	1.63	.80	.36	1.01	.38	.34	---	1.46	2.16
2	1.43	1.10	1.74	1.53	.65	.40	1.20	.13	.38	---	1.38	2.16
3	1.16	.94	1.64	1.48	.53	.77	1.07	.22	.26	---	1.17	2.27
4	1.19	.73	1.34	1.30	.27	.78	.66	.45	.23	---	1.21	2.24
5	1.64	.57	1.15	1.46	.39	.75	.43	.57	.16	---	.93	2.19
6	1.71	.44	1.14	1.34	.54	.67	.46	.66	-.05	---	.72	2.34
7	1.51	.47	1.03	.90	.40	.53	.86	.73	-.04	.61	.63	2.55
8	1.32	.56	1.03	.76	.35	.31	1.19	.74	-.01	.62	.65	2.53
9	1.23	.71	1.11	.86	.43	.62	1.07	.57	.05	.50	1.22	2.33
10	1.26	.77	1.23	.88	.13	1.28	1.06	.32	.17	.48	1.77	---
11	1.48	.94	1.19	.89	-.18	1.08	1.04	.23	.32	.44	1.76	---
12	1.73	1.46	1.33	.82	-.20	.94	.76	.29	.26	.58	1.72	2.13
13	1.85	2.03	1.46	.85	.11	.94	.58	.47	.28	.75	1.59	2.12
14	1.72	2.86	1.66	.81	.40	.85	.92	.39	.46	.80	1.42	1.96
15	1.83	2.58	1.73	.52	.33	.75	1.19	.41	.59	.83	1.57	1.72
16	2.36	3.01	1.95	.43	.03	.80	.97	.65	.66	.64	1.68	1.59
17	2.34	3.19	1.87	.79	-.10	1.05	.61	.78	.69	.46	1.60	1.62
18	1.81	2.63	1.77	.92	.05	1.48	.58	.53	.86	.33	1.37	1.64
19	1.51	2.27	1.79	1.00	.19	1.42	.65	.35	.86	.10	1.48	1.81
20	1.35	2.39	1.73	1.12	.49	1.47	.58	.41	.74	.20	1.62	1.89
21	1.26	2.24	2.35	.95	.52	1.20	.31	.69	.64	.10	1.87	1.94
22	1.21	1.86	2.32	.77	.56	.79	.13	.98	.33	-.01	1.85	1.89
23	.97	1.78	2.21	.55	.50	.51	.15	1.02	.26	-.14	1.93	1.59
24	.78	2.14	2.18	.43	.35	.53	.09	.99	---	-.22	4.14	1.53
25	.89	1.77	2.08	.69	.38	.89	.29	.82	---	-.21	3.27	1.82
26	.90	1.47	1.87	.70	.45	.92	.63	.76	---	-.09	2.24	1.98
27	1.02	1.38	2.00	.68	.40	.71	.48	.76	.40	.02	1.75	1.85
28	1.39	1.07	2.09	.68	.42	.62	.53	.62	.56	.03	1.70	1.77
29	1.33	.85	1.80	.59	---	.86	.63	.48	.75	.22	1.81	1.81
30	1.42	.83	1.63	.67	---	.91	.48	.54	.84	.38	2.09	1.95
31	1.56	---	1.63	.83	---	.95	---	.44	---	.89	2.21	---
TOTAL	44.44	46.35	51.32	27.83	9.19	26.14	20.61	17.38	---	---	51.81	---
MEAN	1.43	1.54	1.66	.90	.33	.84	.69	.56	---	---	1.67	---
MAX	2.36	3.19	2.35	1.63	.80	1.48	1.20	1.02	---	---	4.14	---
MIN	.78	.44	1.03	.43	-.20	.31	.09	.13	---	---	.63	---

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1420	1800	2540	2470	2630	1890	1380	35	35	---	1810	3470
2	2240	1360	2440	2480	2640	1200	994	35	35	---	954	3480
3	2190	1030	2450	2480	2640	834	803	35	35	---	2390	3450
4	1770	831	2520	2520	2640	622	633	35	243	---	2550	3440
5	1400	630	2600	2510	2650	565	583	104	354	35	1470	3440
6	1490	581	2560	2520	2640	471	490	209	130	35	1250	3410
7	1570	483	2600	2660	2130	233	139	146	35	35	889	3380
8	1650	138	2620	2670	2390	165	1080	35	35	35	451	3410
9	1760	207	2600	2650	2310	1100	1850	35	35	35	2010	3420
10	1780	1150	2560	2640	1950	1730	1850	35	35	35	2420	e3450
11	2190	1880	2570	2640	1450	1860	1370	35	35	35	2440	e3480
12	2110	1770	2530	2650	1070	1390	1060	35	35	35	2480	3470
13	1690	1220	2480	e2640	748	1040	837	35	35	99	2460	3510
14	1590	880	2430	2680	674	831	612	35	35	279	2490	3490
15	1740	745	2430	2680	512	618	543	35	163	276	2460	3570
16	1710	5070	2370	2670	455	561	472	35	123	165	2440	3590
17	1600	4800	2390	2650	1290	1420	135	35	35	35	2470	3580
18	1790	2400	2420	2620	1970	2770	793	35	124	69	2510	3570
19	1910	2040	2400	2610	1990	401	1020	35	317	292	2490	3530
20	1810	2320	2410	2570	1460	1450	450	35	221	98	2470	3510
21	2240	2340	2500	2620	1060	1840	291	373	320	35	2390	3480
22	2190	2390	2950	2650	840	1400	98	213	35	58	2390	3440
23	1820	2420	2530	2650	636	1050	520	143	144	226	2270	3480
24	1740	2340	2350	2640	590	842	510	235	---	35	8430	3520
25	1880	2430	2370	2640	487	583	456	35	---	230	6760	3440
26	1930	2520	2390	2650	377	520	138	94	---	425	3890	3400
27	1800	2520	2370	2650	1250	474	35	281	740	771	2460	3430
28	1790	2610	2360	2640	1570	171	74	95	447	292	3050	3050
29	1860	2650	2420	2660	---	1100	281	35	420	585	3610	2460
30	1680	2660	2460	2660	---	1890	35	35	279	618	3490	2410
31	1810	---	2460	2640	---	1890	---	35	---	1130	3460	---
TOTAL	56150	56215	77080	81110	43049	32911	19532	2628	---	---	83104	101760
MEAN	1811	1874	2486	2616	1537	1062	651	84.8	---	---	2681	3392
MAX	2240	5070	2950	2680	2650	2770	1850	373	---	---	8430	3590
MIN	1400	138	2350	2470	377	165	35	35	---	---	451	2410
AC-FT	111400	111500	152900	160900	85390	65280	38740	5210	---	---	164800	201800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1995, BY WATER YEAR (WY)

MEAN	1076	938	554	470	494	638	748	381	603	856	1257	974
MAX	9325	8315	8293	3445	5986	7453	6887	5322	5162	6598	6331	7711
(WY)	1954	1954	1954	1954	1958	1983	1970	1958	1954	1968	1959	1953
MIN	10.0	10.0	10.0	10.0	10.0	10.0	10.0	4.90	4.27	10.0	10.0	10.0
(WY)	1956	1955	1953	1953	1953	1953	1953	1976	1976	1953	1955	1955

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

WATER YEARS 1953 - 1995

ANNUAL TOTAL	264908	
ANNUAL MEAN	726	752
HIGHEST ANNUAL MEAN		4152
LOWEST ANNUAL MEAN		10.0
HIGHEST DAILY MEAN	5070	Nov 16
LOWEST DAILY MEAN	35	Jan 1
ANNUAL SEVEN-DAY MINIMUM	35	Jan 1
ANNUAL RUNOFF (AC-FT)	525400	544500
10 PERCENT EXCEEDS	2390	2500
50 PERCENT EXCEEDS	230	20
90 PERCENT EXCEEDS	35	10

e Estimated

REVISED

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.04	11.42	---	14.06	14.10	14.26	14.23	14.39	14.13	14.28	14.10	14.24
2	14.08	11.27	---	14.33	14.26	14.24	14.17	14.13	14.28	14.12	14.57	14.11
3	14.33	11.27	14.14	14.27	14.25	14.59	14.33	14.27	14.32	14.27	14.28	14.00
4	14.01	12.46	14.13	14.34	14.29	14.43	14.30	14.30	14.19	14.20	14.38	13.89
5	14.00	14.11	14.26	13.78	14.16	14.24	14.43	14.16	14.10	14.39	14.17	13.90
6	14.53	13.91	14.25	13.94	14.27	14.14	14.47	14.02	14.15	14.16	14.05	13.97
7	14.03	13.86	14.04	14.22	14.44	14.22	14.30	14.05	14.13	14.16	14.01	14.49
8	14.00	14.16	14.04	14.02	14.08	14.21	14.20	14.08	14.21	14.15	14.14	14.48
9	14.12	14.19	14.11	13.97	14.01	14.18	14.39	14.20	14.36	14.41	14.37	14.32
10	14.13	13.93	14.18	13.86	14.19	14.32	14.33	14.21	14.22	14.19	14.39	14.40
11	14.03	13.96	13.90	13.97	14.46	14.54	14.03	14.13	14.36	14.41	14.29	e14.19
12	13.86	13.98	13.98	13.94	14.25	14.46	13.85	14.23	14.43	14.17	14.19	14.18
13	13.89	13.84	14.21	14.08	13.89	14.17	14.23	14.55	14.30	14.07	14.21	14.23
14	13.96	13.98	14.18	14.02	14.17	14.17	14.36	14.14	13.96	14.09	14.11	14.33
15	14.54	13.94	14.25	13.94	14.33	14.43	13.95	14.31	14.06	14.30	14.19	14.34
16	13.99	13.84	14.27	13.93	14.49	14.45	14.12	14.15	14.26	14.34	14.23	14.24
17	14.17	14.14	14.46	14.36	14.35	14.36	14.19	14.24	14.23	14.20	14.34	14.25
18	13.70	14.01	14.18	14.56	14.07	14.26	14.22	14.25	14.27	14.14	14.21	14.11
19	14.25	14.14	14.13	14.27	14.21	14.24	14.35	14.35	14.38	14.33	14.09	14.37
20	14.15	14.02	14.00	13.88	14.08	14.43	13.94	14.26	14.43	14.25	14.11	14.07
21	14.13	14.13	13.93	14.03	13.92	14.42	13.94	14.18	14.21	14.30	14.29	14.41
22	13.95	14.24	14.22	14.04	14.13	14.41	14.03	14.14	14.24	14.22	14.44	14.37
23	14.18	14.30	14.34	e14.24	14.37	14.43	14.09	14.30	14.15	14.11	14.24	14.01
24	13.96	14.22	14.34	e14.14	14.37	14.42	14.18	14.44	14.34	14.10	14.14	14.26
25	13.50	14.01	14.08	14.07	14.43	14.05	14.03	14.42	14.29	14.12	14.29	14.29
26	12.78	13.99	14.07	14.02	14.25	13.94	14.03	14.43	14.28	14.07	14.38	14.23
27	11.35	13.84	14.26	14.37	14.02	14.35	14.15	14.33	14.26	14.24	14.37	14.29
28	10.96	14.08	14.29	14.42	14.09	14.71	14.36	14.35	14.35	14.37	14.38	14.24
29	12.96	14.10	14.21	14.03	14.25	14.71	14.20	14.28	14.31	14.11	14.29	14.29
30	11.35	14.27	14.34	13.83	---	14.43	14.14	14.29	14.37	14.29	14.12	14.40
31	11.39	---	14.20	14.00	---	14.27	---	14.40	---	14.16	14.24	---
TOTAL	422.32	411.61	---	436.93	412.18	444.48	425.54	441.98	427.57	440.72	441.61	426.90
MEAN	13.62	13.72	---	14.09	14.21	14.34	14.18	14.26	14.25	14.22	14.25	14.23
MAX	14.54	14.30	---	14.56	14.49	14.71	14.47	14.55	14.43	14.41	14.57	14.49
MIN	10.96	11.27	---	13.78	13.89	13.94	13.85	14.02	13.96	14.07	14.01	13.89

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 71

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.04	2.95	---	.59	.26	.08	.74	-.10	1.11	.63	.20	.79
2	2.35	2.87	---	.50	.18	.53	.68	.22	.97	.42	.22	.89
3	2.30	2.70	.72	.55	.08	.58	.63	.23	.83	.44	.17	.84
4	1.83	2.03	.46	.52	.21	.57	.43	.08	.84	.51	.14	.86
5	1.29	1.60	.48	.37	.52	.30	.13	.02	.71	.64	.04	1.15
6	1.25	1.59	.38	.27	.80	-.21	.12	-.10	.61	.80	-.03	.89
7	1.29	1.53	.44	.44	.77	-.50	.26	-.09	.56	.52	.14	.59
8	1.31	1.41	.63	.16	.42	-.40	.61	.03	.43	.35	.23	.57
9	1.36	1.61	.74	.35	.13	.01	.57	.14	.17	.21	.30	.40
10	1.62	1.56	.99	.22	.06	.39	.71	.17	-.05	.30	.31	.34
11	1.76	1.36	1.09	.44	-.04	1.62	.68	-.02	-.03	.29	.15	.32
12	1.69	1.41	.99	.40	-.01	2.69	.38	-.07	.14	.53	.10	.51
13	1.79	1.62	.77	.54	.10	1.63	.07	.38	.32	.82	.12	.70
14	1.74	1.56	.57	.66	.07	.83	.03	.35	.19	.82	.05	.70
15	1.72	1.60	.41	.42	-.06	.37	.11	.49	.05	.42	.10	.67
16	2.14	1.48	.55	.39	-.14	.23	.12	.38	-.02	.14	.24	.62
17	4.29	1.36	.63	.45	.04	.15	.28	.34	-.02	-.07	.38	.26
18	5.85	1.37	.73	.43	.24	-.01	.26	.09	.03	-.16	.48	.16
19	4.12	1.38	.58	.44	.25	.07	.12	-.05	.10	-.11	.51	.40
20	3.27	1.31	.50	.58	.10	-.09	.09	.02	.10	-.23	.65	.67
21	2.86	1.31	.86	.66	-.13	-.23	.03	.21	-.08	-.24	.65	.67
22	2.70	1.48	.99	.79	.03	-.15	-.09	.39	-.02	.04	.72	.56
23	2.47	1.45	1.18	---	-.04	-.15	-.18	.38	.20	.21	.57	.62
24	2.28	1.30	.95	---	-.16	-.14	-.18	.25	.31	.08	.40	.81
25	2.42	1.38	.76	.64	-.22	-.32	.08	.28	.18	-.05	.32	.78
26	2.42	1.39	.72	.82	-.23	-.50	.03	.39	-.09	-.12	.21	.75
27	2.66	1.17	.69	.24	-.27	-.57	-.01	.31	.16	.01	.22	.62
28	2.61	.99	.61	.24	-.33	-.49	-.04	.40	.55	.08	.26	.57
29	2.66	.67	.52	.48	-.18	.14	-.09	.36	.64	.20	.21	.50
30	3.17	.59	.71	.38	---	.20	-.17	.50	.91	.27	.49	.43
31	3.03	---	.64	.29	---	.86	---	.84	---	.20	.69	---
TOTAL	74.29	46.03	---	---	2.45	7.49	6.40	6.82	9.80	7.95	9.24	18.64
MEAN	2.40	1.53	---	---	.08	.24	.21	.22	.33	.26	.30	.62
MAX	5.85	2.95	---	---	.80	2.69	.74	.84	1.11	.82	.72	1.15
MIN	1.25	.59	---	---	-.33	-.57	-.18	-.10	-.09	-.24	-.03	.16

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2340	8110	e2180	1600	1170	35	1170	322	584	278	20	185
2	2340	7930	2070	1170	866	35	896	93	280	938	237	175
3	2370	7620	1700	764	704	35	565	54	335	1830	150	102
4	2410	5430	1180	672	508	35	515	152	284	1510	88	35
5	2540	3670	1010	499	452	35	391	152	196	1380	70	35
6	2610	3640	751	448	137	35	403	64	35	1520	20	35
7	2550	3660	668	137	222	35	527	35	35	951	20	165
8	2540	3720	503	35	95	35	391	35	52	564	20	462
9	2540	3690	451	986	35	35	508	35	375	535	301	364
10	2480	3650	1200	1680	35	35	1080	35	469	711	165	801
11	2430	3700	1840	1620	35	640	1600	35	380	326	257	e549
12	2430	3690	1880	1170	35	1560	1560	35	1020	965	169	408
13	2410	3640	1400	851	35	904	1180	1210	1710	1760	139	233
14	2420	3680	1070	680	35	851	891	600	1490	1610	81	201
15	2480	3650	841	557	35	343	670	529	1140	1290	71	237
16	2350	3680	639	516	35	417	505	183	809	987	20	167
17	6120	3230	490	158	35	399	457	148	646	783	174	134
18	8700	2520	138	35	35	280	135	144	437	572	130	35
19	6190	2530	35	978	35	76	116	155	380	523	58	138
20	4170	2540	970	1620	35	35	1030	195	364	463	20	59
21	3270	2550	1560	1570	35	35	1540	419	229	120	20	63
22	3260	2520	1520	1450	35	35	1480	389	948	930	64	167
23	3330	2530	1080	---	35	35	1160	192	1500	1850	176	75
24	3610	2560	813	---	35	162	815	307	1470	1660	23	35
25	4620	2530	869	534	35	90	652	503	1120	1290	35	35
26	5370	2530	740	445	35	35	493	936	808	977	145	35
27	6780	2540	699	138	35	35	452	559	622	784	200	35
28	7340	2800	387	35	35	371	137	671	471	748	213	35
29	7190	2670	289	977	35	2220	35	502	426	739	291	35
30	8270	2130	1230	1680	---	1380	35	637	300	514	238	48
31	8110	---	1730	1580	---	2630	---	516	---	116	92	---
TOTAL	125570	109340	31933	---	4889	12883	21389	9842	18915	29224	3707	5083
MEAN	4051	3645	1030	---	169	416	713	317	630	943	120	169
MAX	8700	8110	2180	---	1170	2630	1600	1210	1710	1850	301	801
MIN	2340	2130	35	---	35	35	35	35	35	116	20	35
AC-FT	249100	216900	63340	---	9700	25550	42430	19520	37520	57970	7350	10080

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1996, BY WATER YEAR (WY)

MEAN	1144	999	565	470	487	633	747	379	604	858	1230	955
MAX	9325	8315	8293	3445	5986	7453	6887	5322	5162	6598	6331	7711
(WY)	1954	1954	1954	1954	1958	1983	1970	1958	1954	1968	1959	1953
MIN	10.0	10.0	10.0	10.0	10.0	10.0	10.0	4.90	4.27	10.0	10.0	10.0
(WY)	1956	1955	1953	1953	1953	1953	1953	1976	1976	1953	1955	1955

SUMMARY STATISTICS

WATER YEARS 1953 - 1996

ANNUAL MEAN	752	
HIGHEST ANNUAL MEAN	4152	1954
LOWEST ANNUAL MEAN	10.0	1962
HIGHEST DAILY MEAN	11500	Mar 26 1970
LOWEST DAILY MEAN	4.0	May 3 1976
ANNUAL SEVEN-DAY MINIMUM	4.0	May 3 1976
ANNUAL RUNOFF (AC-FT)	544500	
10 PERCENT EXCEEDS	2510	
50 PERCENT EXCEEDS	20	
90 PERCENT EXCEEDS	10	

e Estimated

270022080094600 KITCHINGS CREEK NEAR HOBE SOUND, FL

LOCATION.--Lat 27°00'22", long 80°09'46", in NE1/4 sec.8, T.40 S., R.42 E., Martin County, Hydrologic Unit 03090202, in Jonathan Dickinson State Park, near left bank on foot bridge, 1.5 mi upstream from mouth, 2.2 mi south of SR-708, and 4.0 mi southwest of Hobe Sound.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1979 to September 1981, October 1984 to current year. Prior to October 1988, gage heights and discharge only.

GAGE.--Water-stage and collector tube rain gage recorders. Rainfall data is available in the files of the U.S. Geological Survey. Elevation of gage is 6 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 10 complete water years of discharge (1981, 1985-88, 1990, 1992-95).

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height 11.00 ft Oct. 17 (determined from high water mark); minimum 1.85 ft Mar. 8.

STATION NUMBER 270022080094600
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	5.30	2.98	2.54	2.13	1.96	4.86	2.24	4.62	3.40	2.81	2.45
2	---	5.16	2.91	2.53	2.11	2.02	4.69	2.22	4.33	3.21	2.73	2.57
3	---	5.05	2.85	2.56	2.11	1.95	4.53	2.19	4.10	3.04	2.70	2.72
4	---	4.94	2.81	2.56	2.09	1.91	4.36	2.16	3.88	2.89	2.73	2.67
5	---	4.82	2.75	2.53	2.08	1.91	4.19	2.11	3.65	2.97	2.66	2.57
6	---	4.70	2.70	2.49	2.07	1.89	4.02	2.08	3.45	4.87	2.58	2.45
7	---	4.58	2.66	2.54	2.07	1.88	3.85	2.05	3.27	4.96	2.50	2.36
8	---	4.49	2.61	2.58	2.07	1.86	3.79	2.02	3.19	4.78	2.61	2.30
9	---	4.38	2.57	2.54	2.05	4.26	3.87	2.00	3.21	4.67	2.62	2.34
10	---	4.28	2.55	2.49	2.03	6.30	3.80	1.99	3.31	4.79	2.52	2.69
11	---	4.19	2.53	2.45	2.02	6.07	3.66	1.99	3.30	4.76	2.47	2.91
12	---	4.10	2.50	2.42	2.01	6.02	3.52	1.98	3.44	4.72	2.59	3.23
13	---	4.02	2.46	2.40	1.98	5.58	3.38	1.99	3.54	4.81	2.59	3.28
14	---	3.92	2.86	2.38	1.96	5.26	3.26	1.98	3.52	5.06	2.52	3.49
15	---	3.82	3.01	2.35	1.95	5.08	3.15	1.97	3.36	5.04	2.45	3.35
16	---	3.72	2.97	2.33	2.04	4.93	3.12	1.94	3.18	4.95	2.40	3.17
17	---	3.64	2.92	2.32	2.09	4.77	3.02	1.92	3.04	4.84	2.37	3.00
18	---	3.57	2.89	2.32	2.07	4.61	2.93	1.91	2.94	4.70	2.32	2.89
19	---	3.50	2.85	2.32	2.06	4.44	2.85	1.90	2.86	4.55	2.31	2.83
20	---	3.43	2.77	2.30	2.03	4.27	2.75	1.92	2.79	4.39	2.44	2.70
21	7.14	3.36	2.71	2.29	2.03	4.10	2.66	2.27	2.76	4.23	2.48	2.59
22	6.80	3.30	2.65	2.27	2.08	3.93	2.58	3.50	2.84	4.06	2.43	2.51
23	6.53	3.23	2.73	2.25	2.06	3.78	2.49	3.52	3.26	3.88	2.41	2.43
24	6.31	3.16	2.75	2.23	2.03	3.64	2.40	3.38	3.29	3.71	2.49	2.35
25	6.13	3.11	2.70	2.21	1.99	3.51	2.33	3.27	3.15	3.56	2.50	2.29
26	5.99	3.05	2.64	2.20	1.97	3.38	2.27	3.47	2.99	3.43	2.60	2.23
27	5.88	2.99	2.60	2.23	1.95	3.26	2.22	3.41	3.10	3.31	2.69	2.18
28	5.78	2.93	2.56	2.21	1.93	3.21	2.19	3.36	3.73	3.19	2.68	2.13
29	5.65	3.02	2.52	2.19	1.92	3.30	2.15	4.22	3.75	3.06	2.63	2.10
30	5.52	3.03	2.51	2.17	---	3.42	2.16	5.11	3.59	2.96	2.57	2.11
31	5.40	---	2.53	2.15	---	4.88	---	5.05	---	2.89	2.50	---
TOTAL	---	116.79	84.05	73.35	58.98	117.38	97.05	81.12	101.44	125.68	78.90	78.89
MEAN	---	3.89	2.71	2.37	2.03	3.79	3.23	2.62	3.38	4.05	2.55	2.63
MAX	---	5.30	3.01	2.58	2.13	6.30	4.86	5.11	4.62	5.06	2.81	3.49
MIN	---	2.93	2.46	2.15	1.92	1.86	2.15	1.90	2.76	2.89	2.31	2.10

EVERGLADES AND SOUTHEASTERN COASTAL AREA

270022080094600 KITCHINGS CREEK NEAR HOBE SOUND, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e43	116	9.4	4.5	1.6	.93	65	2.6	59	17	7.7	4.0
2	e50	100	8.6	4.4	1.5	1.1	56	2.6	45	13	6.8	5.3
3	e60	88	7.9	4.6	1.5	.89	49	2.4	35	10	6.5	6.6
4	e76	78	7.4	4.7	1.5	.78	42	2.2	28	7.8	6.9	6.0
5	e100	70	6.9	4.4	1.4	.79	35	2.0	22	9.2	6.2	4.9
6	e74	63	6.3	4.0	1.4	.72	30	1.9	19	78	5.4	3.9
7	e64	57	5.9	4.4	1.3	.70	25	1.8	17	80	4.7	3.2
8	e86	52	5.4	4.6	1.3	.66	24	1.7	16	68	6.1	2.8
9	e130	47	5.0	4.4	1.3	115	26	1.6	17	60	6.1	2.9
10	e105	42	4.8	4.0	1.2	243	24	1.5	19	67	5.2	5.9
11	e85	39	4.6	3.7	1.1	200	21	1.6	19	65	4.7	8.5
12	e70	35	4.3	3.4	1.1	189	18	1.5	21	61	6.0	13
13	e62	32	4.0	3.3	1.0	126	15	1.6	22	68	6.1	14
14	e55	29	8.1	3.1	.94	90	13	1.6	23	89	5.4	18
15	e62	26	9.6	2.9	.92	76	11	1.5	20	87	4.9	16
16	e70	23	9.2	2.8	1.2	67	11	1.4	15	79	4.4	12
17	e740	21	8.5	2.7	1.4	59	9.5	1.4	13	71	4.0	9.6
18	e1230	19	8.1	2.7	1.3	51	8.3	1.3	11	63	3.6	8.0
19	e760	18	7.7	2.7	1.2	44	7.4	1.3	9.4	54	3.5	7.2
20	e575	17	6.7	2.6	1.2	37	6.4	1.4	8.3	47	4.5	5.8
21	464	15	6.1	2.5	1.2	31	5.5	4.3	7.8	40	4.9	4.8
22	383	14	5.6	2.4	1.3	27	4.8	18	8.9	34	4.3	4.1
23	324	13	6.3	2.3	1.2	23	4.1	19	16	28	4.1	3.4
24	277	12	6.5	2.1	1.1	19	3.5	16	16	24	4.7	2.9
25	242	11	6.0	2.0	1.0	17	3.1	15	13	20	4.8	2.5
26	216	10	5.4	2.0	.95	14	2.7	18	10	17	5.8	2.2
27	198	9.5	5.1	2.1	.89	12	2.5	17	13	15	6.7	1.9
28	182	8.8	4.7	2.1	.83	12	2.3	16	26	13	6.4	1.7
29	163	10	4.3	1.9	.81	13	2.1	45	26	11	5.9	1.6
30	143	10	4.2	1.8	---	16	2.2	96	21	9.4	5.2	1.6
31	127	---	4.4	1.7	---	67	---	89	---	8.5	4.6	---
TOTAL	7216	1085.3	197.0	96.8	34.64	1554.57	529.4	388.2	596.4	1313.9	166.1	184.3
MEAN	233	36.2	6.35	3.12	1.19	50.1	17.6	12.5	19.9	42.4	5.36	6.14
MAX	1230	116	9.6	4.7	1.6	243	65	96	59	89	7.7	18
MIN	43	8.8	4.0	1.7	.81	.66	2.1	1.3	7.8	7.8	3.5	1.6
AC-FT	14310	2150	391	192	69	3080	1050	770	1180	2610	329	366

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1996, BY WATER YEAR (WY)

MEAN	43.0	27.3	15.5	10.1	8.54	11.6	5.37	3.64	5.86	11.3	18.2	23.5
MAX	233	124	69.5	43.7	52.8	50.1	17.6	15.1	19.9	42.4	83.7	84.9
(WY)	1996	1995	1995	1993	1993	1996	1996	1994	1996	1996	1995	1995
MIN	.78	.88	.29	.55	.76	.31	.13	.076	.14	.27	.25	1.48
(WY)	1989	1989	1982	1982	1985	1985	1981	1981	1981	1990	1990	1989

SUMMARY STATISTICS

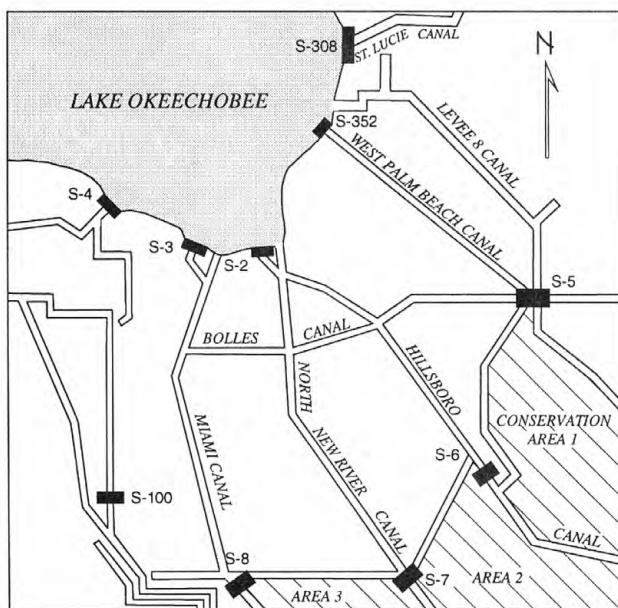
FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1980 - 1996

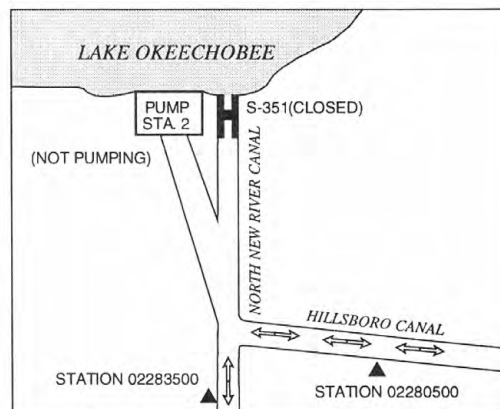
ANNUAL TOTAL	15047.76	13362.61	
ANNUAL MEAN	41.2	36.5	17.5
HIGHEST ANNUAL MEAN			39.9
LOWEST ANNUAL MEAN			.99
HIGHEST DAILY MEAN	1230 Oct 18	1230 Oct 18	1230 Oct 18 1995
LOWEST DAILY MEAN	.19 Jun 15	.66 Mar 8	.01 Jun 5 1989
ANNUAL SEVEN-DAY MINIMUM	.20 Jun 14	.81 Mar 2	.05 May 30 1989
INSTANTANEOUS PEAK FLOW		1800 Oct 17	1800 Oct 17 1995
INSTANTANEOUS PEAK STAGE		11.00 Oct 17	11.00 Oct 17 1995
INSTANTANEOUS LOW FLOW		.63 Mar 8	.00 Jun 1 1989
ANNUAL RUNOFF (AC-FT)	29850	26500	12680
10 PERCENT EXCEEDS	100	78	45
50 PERCENT EXCEEDS	8.7	8.2	3.6
90 PERCENT EXCEEDS	.34	1.4	.34

e Estimated

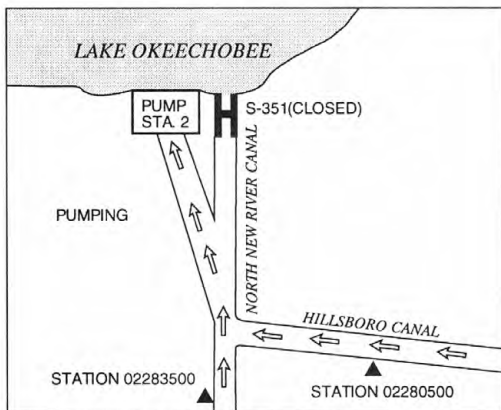


LOCATION

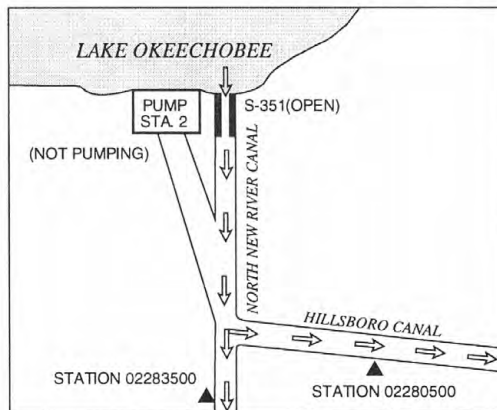
TYPICAL FLOW PATTERNS AT HURRICANE GATE STRUCTURES



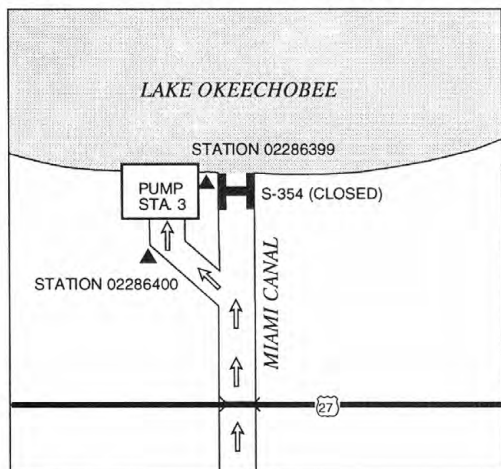
NORTH NEW RIVER CANAL-HILLSBORO CANAL



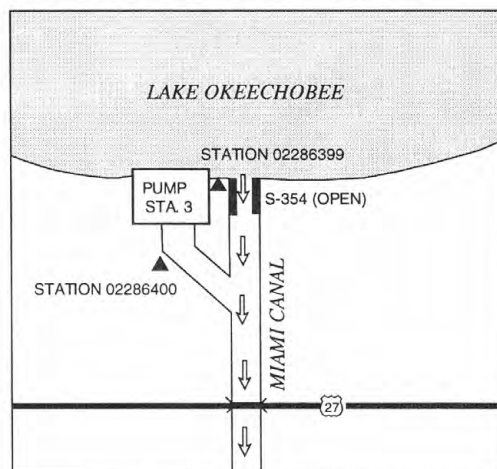
NORTH NEW RIVER CANAL-HILLSBORO CANAL



NORTH NEW RIVER CANAL-HILLSBORO CANAL



MIAMI CANAL



MIAMI CANAL

FIGURE 6. Typical flow patterns at Lake Okeechobee Control Structures.

PAGE 76

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02276870 ST. LUCIE CANAL AT LAKE OKEECHOBEE, FL

LOCATION.--Lat 26°59'00", long 80°37'00", in sec.22, T.40 S., R.37 E., Martin County, Hydrologic Unit 03090202, on south bank in control house of structure 308 at Lake Okeechobee, 0.1 mi west of US 441, and 24 mi upstream from control structure 80.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1931 to September 1952, October 1981 to current year. Prior to October 1946, published as St. Lucie Canal at lock 1, at Lake Okeechobee. Previously published as station number 02276500. All data stored under current station number.

GAGE.--Satellite data collection platform with water-stage shaft encoders. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Jan. 17, 1934, staff gage at site 0.4 mi downstream at different datum. Jan. 17, 1934 to Mar. 15, 1951, water-stage recorder at site 0.8 mi downstream at datum 1.56 ft lower. Mar. 16, 1951, to September 1952, water-stage recorder at bridge on US 441 at present datum. Jan. 17, 1934, to September 1952, auxiliary water-stage recorder 10.9 mi downstream. Aug. 1, 1986 to June 20, 1989, electromagnetic velocity meter recorder. April 4, 1992 satellite data collection platform installed.

REMARKS.--Records poor. Flow regulated by control structure 308 gates and lock at Lake Okeechobee. Flow frequently reversed during and after periods of heavy rainfall by pumpage into the canal from agricultural lands in the Everglades (negative figures indicate reverse flow towards Lake Okeechobee). Discharge computed from relations between discharge, head, gate openings, and slope.

COOPERATION.--Lockage and gate-operation record provided by U.S. Army Corps of Engineers.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 33 complete water years of discharge (1932-52, 1982-88, 1990, 1993-96).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 18.85 ft Oct. 26, 1995; minimum, 9.63 ft June 22, 1990.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 18.85 ft Oct. 26; minimum, 14.72 ft Sept. 30.

SEE THE FOLLOWING PAGES FOR THE TABLES OF STAGE AND DISCHARGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 77

02276870 ST. LUCIE CANAL AT LAKE OKEECHOBEE, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.35	18.48	17.13	16.31	16.06	15.75	16.07	15.45	15.26	15.89	15.39	15.42
2	17.24	18.43	17.07	16.33	16.05	15.72	15.98	15.40	15.29	15.95	15.39	15.40
3	17.29	18.42	17.02	16.45	16.14	15.64	15.87	15.45	15.35	15.99	15.37	15.38
4	17.26	18.35	16.98	16.36	16.16	15.56	15.90	15.46	15.34	15.93	15.33	15.39
5	17.32	18.29	16.94	16.32	15.91	15.66	15.94	15.44	15.37	15.90	15.31	15.42
6	17.39	18.29	16.92	16.33	15.84	15.72	15.97	15.42	15.34	15.95	15.27	15.37
7	17.39	18.29	16.92	16.52	15.88	15.76	15.99	15.38	15.32	15.95	15.27	15.33
8	17.41	18.28	16.89	16.60	15.90	15.77	16.00	15.30	15.34	15.95	15.34	15.31
9	17.47	18.13	16.89	16.40	15.90	15.59	16.06	15.26	15.45	16.00	15.49	15.28
10	17.49	18.12	16.80	16.37	15.89	15.61	16.01	15.23	15.57	16.01	15.51	15.29
11	17.52	18.12	16.72	16.31	15.90	15.90	15.97	15.26	15.60	16.10	15.48	e15.35
12	17.51	18.03	16.71	16.38	15.96	15.81	15.95	15.29	15.60	16.07	15.47	15.32
13	17.49	17.98	16.72	16.36	15.84	15.78	15.94	15.20	15.59	16.03	15.48	15.30
14	17.53	18.07	16.70	16.26	15.85	15.80	15.93	15.13	15.55	15.98	15.46	15.28
15	17.71	17.90	16.67	16.24	15.84	15.81	15.92	15.10	15.53	15.95	15.47	15.24
16	17.64	17.77	16.66	16.23	16.05	15.80	15.99	15.08	15.47	15.92	15.42	15.23
17	17.80	17.71	16.62	16.22	15.88	15.81	15.86	15.06	15.50	15.85	15.42	15.30
18	18.20	17.70	16.62	16.23	15.81	15.87	15.83	15.05	15.55	15.83	15.36	15.31
19	18.33	17.64	16.68	16.26	15.77	16.04	15.80	15.04	15.60	15.86	15.31	15.25
20	18.52	17.60	16.78	16.25	15.77	16.02	15.78	15.05	15.66	15.88	15.28	15.16
21	18.56	17.57	16.58	16.21	15.76	15.95	15.74	15.07	15.71	15.87	15.28	15.20
22	18.55	17.48	16.50	16.16	15.78	15.76	15.69	15.20	15.77	15.84	15.30	15.28
23	18.62	17.45	16.49	16.16	15.77	15.68	15.68	15.14	15.81	15.82	15.37	15.19
24	18.67	17.43	16.55	16.17	15.76	15.63	15.68	15.17	15.83	15.75	15.38	15.12
25	18.67	17.36	16.48	16.09	15.74	15.64	15.62	15.19	15.85	15.66	15.37	15.08
26	18.70	17.30	16.45	16.10	15.73	15.64	15.61	15.25	15.91	15.57	15.35	15.01
27	18.70	17.26	16.39	16.15	15.73	15.59	15.56	15.25	15.93	15.48	15.35	15.01
28	18.70	17.22	16.35	16.06	15.74	15.74	15.47	15.26	15.92	15.41	15.35	15.04
29	18.56	17.20	16.31	16.10	15.70	15.84	15.43	15.37	15.88	15.38	15.34	15.03
30	18.49	17.16	16.31	16.10	---	15.87	15.53	15.51	15.81	15.40	15.33	14.96
31	18.47	---	16.31	16.11	---	15.94	---	15.36	---	15.40	15.36	---
TOTAL	556.55	535.03	517.16	504.14	460.11	488.70	474.77	472.82	467.70	490.57	476.60	457.25
MEAN	17.95	17.83	16.68	16.26	15.87	15.76	15.83	15.25	15.59	15.82	15.37	15.24
MAX	18.70	18.48	17.13	16.60	16.16	16.04	16.07	15.51	15.93	16.10	15.51	15.42
MIN	17.24	17.16	16.31	16.06	15.70	15.56	15.43	15.04	15.26	15.38	15.27	14.96

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02276870 ST. LUCIE CANAL AT LAKE OKEECHOBEE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1960	6900	2380	1610	1380	234	.00	42	.00	.00	240	.00
2	1890	6900	2360	969	1010	297	.00	.00	.00	1170	62	.00
3	1510	7080	1790	671	852	54	.00	.00	.00	1830	46	.00
4	1620	5160	1210	375	642	.00	.00	.00	.00	1640	.00	64
5	1900	3250	1230	577	559	37	.00	.00	.00	1140	.00	217
6	763	3190	788	919	208	156	.00	96	.00	780	.00	383
7	1330	3350	727	456	.00	210	.00	204	.00	185	109	183
8	1470	3230	628	791	.00	216	.00	280	.00	203	194	.00
9	1440	3090	574	1190	67	203	.00	260	.00	92	.00	.00
10	1360	3180	1140	2000	113	170	613	198	.00	.00	.00	.00
11	1360	3250	2080	1690	56	.00	1160	183	.00	.00	.00	.00
12	1630	3190	2150	1350	.00	.00	1340	180	486	899	.00	.00
13	1760	3260	1580	1070	263	.00	1120	29	601	1560	.00	.00
14	1820	3380	1140	937	300	.00	537	.00	769	1630	.00	.00
15	1140	3300	856	771	241	.00	518	.00	772	1220	.00	.00
16	1210	3300	669	780	68	.00	400	.00	414	707	.00	.00
17	448	2960	363	225	.00	.00	285	.00	170	564	.00	.00
18	.00	2490	98	16	43	.00	69	.00	135	546	.00	154
19	.00	2610	105	754	31	.00	.00	.00	100	450	.00	326
20	114	2580	972	1510	12	.00	732	.00	.00	357	.00	200
21	652	2710	1940	1500	182	.00	1590	.00	.00	81	.00	93
22	1550	2630	1790	1250	334	.00	1550	.00	662	1160	.00	.00
23	1540	2580	1090	938	231	.00	1300	.00	1180	1930	.00	180
24	2250	2500	625	829	127	.00	947	.00	1020	1870	.00	361
25	3070	2560	532	593	32	15	755	.00	696	1380	.00	175
26	3870	2570	751	605	24	320	718	.00	582	1150	.00	242
27	4880	2790	683	140	239	351	660	.00	474	972	.00	272
28	7330	2870	240	.00	324	63	214	.00	271	614	.00	241
29	6720	2790	124	807	294	.00	95	.00	216	598	.00	276
30	7410	2220	981	1800	---	.00	173	.00	51	763	.00	99
31	7000	---	1350	1640	---	.00	---	.00	---	152	.00	---
TOTAL	70997.00	101870	32946	28763.00	7632.00	2326.00	14776.00	1472.00	8599.00	25643.00	651.00	3466.00
MEAN	2290	3396	1063	928	263	75.0	493	47.5	287	827	21.0	116
MAX	7410	7080	2380	2000	1380	351	1590	280	1180	1930	240	383
MIN	.00	2220	98	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	140800	202100	65350	57050	15140	4610	29310	2920	17060	50860	1290	6870

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1996, BY WATER YEAR (WY)

MEAN	1773	1158	764	586	653	866	1106	647	604	786	918	1231
MAX	6480	6831	6350	5649	5453	7246	4620	4474	3949	4697	5152	6403
(WY)	1948	1948	1948	1948	1948	1983	1983	1931	1931	1947	1947	1949
MIN	-1101	-120	-138	-130	-24.1	-647	-531	-242	-1107	-618	-614	-1036
(WY)	1988	1988	1986	1986	1991	1989	1991	1991	1994	1989	1985	1989

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1931 - 1996

ANNUAL TOTAL	506987.00	299141.00	
ANNUAL MEAN	1389	817	960
HIGHEST ANNUAL MEAN			3511
LOWEST ANNUAL MEAN			-49.6
HIGHEST DAILY MEAN	7410	Oct 30	8150
LOWEST DAILY MEAN	.00	Mar 18	-4280
ANNUAL SEVEN-DAY MINIMUM	.00	May 21	-2980
ANNUAL RUNOFF (AC-FT)	1006000	593300	695100
10 PERCENT EXCEEDS	2920	2410	3820
50 PERCENT EXCEEDS	1090	251	180
90 PERCENT EXCEEDS	.00	.00	.00

02276871 ST. LUCIE CANAL BELOW S-308 AT PORT MAYACA, FL

LOCATION.--Lat 26°59'00", long 80°37'00", in sec.22, T.40 S., R.37 E., Martin County, Hydrologic Unit 03090202, on south bank in control house downstream of structure 308 at Lake Okeechobee, 0.1 mi west of US 441, and 24 mi upstream from control structure 80.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1981 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to April 24, 1992 data obtained with digital water-level recorder.

REMARKS.--Water level affected by regulation of control structure 308 gates and lock at Lake Okeechobee, and structure 80.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 18.13 ft Mar. 1, 1983; minimum, 8.95 ft Jan. 14, 17, 1982.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 18.05 ft Nov. 2; minimum, 13.56 ft Jan. 5.

STATION NUMBER 02276871
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.68	17.99	14.71	14.24	14.28	14.18	14.20	14.41	14.22	14.25	14.07	14.20
2	14.76	17.94	14.56	14.35	14.35	14.23	14.20	14.18	14.31	14.23	14.54	14.08
3	14.79	17.68	14.52	14.25	14.25	14.62	14.39	14.29	14.32	14.54	14.24	13.98
4	14.53	16.47	14.26	14.34	14.29	14.56	14.31	14.31	14.20	14.44	14.35	13.85
5	14.60	15.71	14.40	13.82	14.21	14.29	14.40	14.17	14.09	14.54	14.15	13.83
6	14.82	15.45	14.33	13.99	14.30	14.10	14.44	14.04	14.14	14.23	14.03	13.94
7	14.47	15.47	14.05	14.12	14.47	14.13	14.27	14.07	14.11	14.14	13.99	14.46
8	14.47	15.64	14.07	13.96	14.07	14.19	14.18	14.12	14.18	14.12	14.11	14.46
9	14.54	15.60	14.09	14.05	13.97	14.19	14.38	14.24	14.34	14.35	14.31	14.31
10	14.55	15.44	14.38	14.07	14.16	14.30	14.44	14.24	14.19	14.16	14.31	14.40
11	14.54	15.46	14.47	14.16	14.40	14.50	14.26	14.12	14.32	14.30	14.23	e14.15
12	14.45	15.47	14.54	14.02	14.19	14.53	14.11	14.19	14.47	14.26	14.13	14.12
13	14.51	15.43	14.49	14.11	13.91	14.19	14.35	14.60	14.40	14.35	14.15	14.19
14	14.56	15.56	14.31	14.05	14.12	14.18	14.38	14.19	14.09	14.37	14.07	14.31
15	14.85	15.50	14.33	13.98	14.28	14.41	13.97	14.36	14.14	14.46	14.16	14.34
16	14.45	15.49	14.30	13.99	14.34	14.42	14.09	14.18	14.28	14.41	14.20	14.21
17	15.46	15.46	14.48	14.38	14.30	14.34	14.23	14.26	14.27	14.28	14.34	14.18
18	15.97	14.88	14.17	14.56	14.03	14.14	14.25	14.26	14.24	14.21	14.24	14.05
19	15.37	15.03	14.06	14.30	14.21	14.07	14.36	14.34	14.34	14.33	14.11	14.35
20	14.77	14.93	14.08	14.11	14.05	14.26	14.10	14.23	14.38	14.22	14.17	14.10
21	14.71	15.07	14.30	14.24	13.90	14.31	14.25	14.18	14.16	14.25	14.35	14.36
22	14.86	15.14	14.52	14.23	14.09	14.37	14.32	14.10	14.25	14.36	14.47	14.30
23	15.01	15.14	14.45	14.30	14.33	14.43	14.26	14.31	14.29	14.45	14.22	14.00
24	15.12	15.00	14.36	14.15	14.33	14.47	14.27	14.42	14.44	14.42	14.11	14.28
25	15.37	14.85	14.08	14.16	14.42	14.06	14.07	14.38	14.28	14.29	14.25	14.30
26	15.53	14.87	14.09	14.11	14.23	13.98	14.05	14.42	14.24	14.18	14.35	14.28
27	16.09	14.84	14.29	14.33	14.00	14.38	14.20	14.27	14.23	14.34	14.35	14.33
28	17.10	15.20	14.27	14.48	14.04	14.70	14.39	14.30	14.29	14.44	14.36	14.23
29	17.35	15.07	14.22	14.16	14.23	14.79	14.20	14.22	14.30	14.17	14.27	14.29
30	17.90	14.89	14.49	14.12	---	14.50	14.09	14.22	14.41	14.33	14.08	14.41
31	17.97	---	14.40	14.23	---	14.42	---	14.44	---	14.14	14.21	---
TOTAL	472.15	466.67	444.07	439.36	411.75	444.24	427.41	442.06	427.92	443.56	440.92	426.29
MEAN	15.23	15.56	14.32	14.17	14.20	14.33	14.25	14.26	14.26	14.31	14.22	14.21
MAX	17.97	17.99	14.71	14.56	14.47	14.79	14.44	14.60	14.47	14.54	14.54	14.46
MIN	14.45	14.84	14.05	13.82	13.90	13.98	13.97	14.04	14.09	14.12	13.99	13.83

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

265632080144200 CANAL 1 AT INDIANTOWN ROAD AND 133 WAY NEAR JUPITER, FL

WATER-QUALITY RECORDS

LOCATION.--Lat 26°56'32", long 80°14'42", in NW1/4NW1/4NE1/4 sec.4, T.41 S., R.41 E., Palm Beach County, Hydrologic Unit 03090202, at Indiantown Road and 133 rd Way, 5.75 mi west of the Florida Turnpike.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1994 to current year.

REMARKS.--Site is part of South Indian River Water Control District water-quality monitoring network.

265632080144200 - CANAL 1 AT INDIANTOWN ROAD AND 133 WAY NR JUPITER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

		BARO-							PH	PH	ALKA-	
				METRIC	AGENCY			SPE-	WATER	WATER	LINITY	
				PRES-	ANA-	COLOR	CIFIC			WHOLE	WHOLE	WAT WH
		TEMPER-	TEMPER-	SURE	LYZING	(PLAT-	CON-	OXYGEN,	FIELD	LAB	TOT FET	
		ATURE	ATURE	(MM	SAMPLE	INUM-	DUCT-	DIS-	(STAND-	(STAND-	FIELD	
DATE	TIME	WATER	AIR	OF	(CODE	COBALT	ANCE	SOLVED	ARD	ARD	MG/L AS	
		(DEG C)	(DEG C)	HG)	NUMBER)	UNITS)	(US/CM)	(MG/L)	UNITS)	UNITS)	CAC03	
		(00010)	(00020)	(00025)	(00028)	(00080)	(00095)	(00300)	(00400)	(00403)	(00410)	
JAN												
24...	1300	25.5	30.0	--	81213	50	424	7.7	7.6	7.6	184	
APR												
09...	1300	23.0	22.5	--	81213	40	391	4.5	7.5	7.6	150	
JUN												
21...	1100	27.0	30.0	757	81213	50	447	6.0	7.1	7.6	140	
SEP												
10...	1100	26.5	27.0	761	81213	70	346	3.0	7.1	7.8	140	

DATE	NITRO-									
	NITRO-	NITRO-	GEN,AM-	NITRO-				MAGNE-	POTAS-	CHLO-
	GEN,	GEN,	MONIA +	GEN,	PHOS-	CALCIUM	SIUM,	SODIUM,	SIUM,	RIDE,
	AMMONIA	NITRITE	ORGANIC	NO2+NO3	PHORUS	DIS-	DIS-	DIS-	DIS-	DIS-
	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED
	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L
	AS N)	AS N)	AS N)	AS N)	AS P)	AS CA)	AS MG)	AS NA)	AS K)	AS CL)
	(00610)	(00615)	(00625)	(00630)	(00665)	(00915)	(00925)	(00930)	(00935)	(00940)

JAN													
24...	0.030	<0.010	1.0	<0.020	0.040	70	4.5	18	0.70	25			
APR													
09...	0.060	<0.010	0.89	<0.020	0.040	57	3.7	17	0.70	27			
JUN													
21...	0.060	<0.010	0.74	0.050	0.020	57	4.1	24	1.1	37			
SEP													
10...	0.220	<0.010	0.96	<0.020	0.050	46	3.0	17	1.0	27			

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 81

265632080144200 - CANAL 1 AT INDIANTOWN ROAD AND 133 WAY NR JUPITER--continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

		FLUO-	SILICA,	STRON-	SOLIDS,		SPE-			
	SULFATE	RIDE,	DIS-	TIUM,	RESIDUE	PHOS-	CIFIC	ALKA-		JULIAN
	DIS-	DIS-	SOLVED	DIS-	AT 180	PHORUS	CON-	LINITY		DATE OF
	SOLVED	SOLVED	(MG/L	SOLVED	DEG. C	ORTHO	DUCT-	LAB	OCALA	OCALA
	(MG/L	(MG/L	AS	(UG/L	SOLVED	TOTAL	ANCE	(MG/L	SAMPLE	SAMPLE
DATE	(MG/L	(MG/L	AS	(UG/L	SOLVED	(MG/L	LAB	AS	LOGIN	LOGIN
	AS SO4)	AS F)	SIO2)	AS SR)	(MG/L)	AS P)	(US/CM)	CACO3)	ID	YYDDD
	(00945)	(00950)	(00955)	(01080)	(70300)	(70507)	(90095)	(90410)	(99898)	(99899)
JAN										
24...	7.5	0.20	8.9	360	284	0.020	448	185	9600000	96026
APR										
09...	6.8	0.20	6.2	280	236	0.010	386	147	9600000	96101
JUN										
21...	12	0.20	8.8	310	260	0.020	428	148	9610000	96178
SEP										
10...	8.2	0.10	8.1	220	216	0.040	330	120	9610000	96256

EVERGLADES AND SOUTHEASTERN COASTAL AREA

265631080132500 C-1 CANAL NEAR JUPITER, FL

WATER-QUALITY RECORDS

LOCATION.--Lat 26°56'31", long 80°13'25", in NW1/4NW1/4NW1/4 sec.2, T.41 S., R.41 E., Palm Beach County, Hydrologic Unit 03090202, at southeast corner of Indiantown Road and Alexander Run, 4.3 mi west of the Florida Turnpike and 5.75 mi west of Jupiter.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1989 to current year.

REMARKS.--Site is part of South Indian River Water Control District water-quality monitoring network.

265631080132500 - C-1 CANAL NEAR JUPITER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	BARO-		METRIC		AGENCY		SPE-		PH	PH	ALKA-
		PRES-		ANA-		COLOR		CIFIC		WATER	WATER	LINITY
		SURE		LYZING		(PLAT-		CON-		WHOLE	WHOLE	WAT WH
		ATURE		OF		INUM-		DUCT-		FIELD	LAB	TOT FET
		ATURE	ATURE	(MM	SAMPLE	(CODE	COBALT	ANCE	SOLVED	(STAND-	(STAND-	FIELD
		(DEG C)	(DEG C)	HG)	(NUMBER)	UNITS)	(US/CM)	(MG/L)	UNITS)	UNITS)	UNITS)	CACO3
		(00010)	(00020)	(00025)	(00028)	(00080)	(00095)	(00300)	(00400)	(00403)	(00410)	
JAN												
24...	1145	22.0	28.0	--	81213	40	520	6.0	7.5	7.8	150	
APR												
09...	1200	23.0	24.5	--	81213	40	472	4.5	6.5	7.7	242	
JUN												
21...	0900	27.5	31.0	758	81213	40	496	6.0	7.0	7.7	156	
SEP												
10...	1030	26.0	27.0	749	81213	50	441	2.9	7.1	7.8	240	

DATE	NITRO-		GEN,AM-		NITRO-		MAGNE-		POTAS-	CHLO-
	GEN,		MONIA +		GEN,		SIUM,		SIUM,	RIDE,
	AMMONIA		NITRITE		NO2+NO3		DIS-		DIS-	DIS-
	TOTAL		TOTAL		TOTAL		SOLVED		SOLVED	SOLVED
	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L
	AS N)	AS N)	AS N)	AS N)	AS P)	AS CA)	AS MG)	AS NA)	AS K)	AS CL)
	(00610)	(00615)	(00625)	(00630)	(00665)	(00915)	(00925)	(00930)	(00935)	(00940)
JAN										
24...	0.030	<0.010	0.60	0.070	<0.020	78	5.1	27	0.90	42
APR										
09...	0.030	<0.010	0.68	0.050	0.040	66	4.2	26	0.80	43
JUN										
21...	0.020	0.010	0.63	0.090	0.030	66	4.7	31	1.4	50
SEP										
10...	0.200	0.010	0.85	0.090	0.050	59	3.9	23	1.5	37

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 83

265631080132500 C-1 CANAL NEAR JUPITER, FL--continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

		FLUO-	SILICA,	STRON-	SOLIDS,	PHOS-	SPE-	ALKA-		JULIAN
	SULFATE	RIDE,	DIS-	TIUM,	RESIDUE	PHORUS	CIFIC	CON-	LINITY	DATE OF
	DIS-	DIS-	SOLVED	DIS-	DEG. C	ORTHO	DUCT-	LAB	OCALA	OCALA
	SOLVED	SOLVED	(MG/L	SOLVED	DIS-	TOTAL	ANCE	(MG/L	SAMPLE	SAMPLE
DATE	(MG/L	(MG/L	AS	(UG/L	SOLVED	(MG/L	LAB	AS	LOGIN	LOGIN
	AS SO4)	AS F)	SIO2)	AS SR)	(MG/L)	AS P)	(US/CM)	CACO3)	ID	YYDDD
	(00945)	(00950)	(00955)	(01080)	(70300)	(70507)	(90095)	(90410)	(99898)	(99899)
JAN										
24...	16	0.20	4.6	420	320	0.010	529	190	9600000	96026
APR										
09...	17	0.20	8.1	360	290	0.010	487	162	9600000	96101
JUN										
21...	18	0.20	12	380	322	0.040	504	165	9610000	96178
SEP										
10...	16	0.20	11	300	264	0.050	426	146	9610000	96256

02277600 LOXAHATCHEE RIVER NEAR JUPITER, FL

LOCATION.--Lat 26°56'20", long 80°10'31", in NE1/4SE1/4NE1/4 sec.6, T.41 S., R.42 E., Palm Beach County, Hydrologic Unit 03090202, near left bank, 0.2 mi downstream from SR-706, 1.3 mi upstream from Florida's Turnpike and 5.2 mi west of Jupiter.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharge. Records good. Flow is augmented by diversion from C-18 canal 2.0 mi upstream from the gage. High-water flow can be diverted into C-18 canal by backflow through the structure.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 24 complete water years of discharge (1972-90,1992-96).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 16.39 ft Oct. 18, 1995; minimum, 7.70 ft June 21, 1987.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 16.39 ft Oct. 18; minimum, 10.45 ft May 19, 20.

STATION NUMBER 02277600
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.67	11.94	11.20	10.83	10.81	10.57	11.85	10.77	11.55	11.97	11.46	11.34
2	11.67	11.94	11.09	10.95	10.81	10.57	11.74	10.76	11.57	11.85	11.49	11.34
3	11.66	11.92	11.07	11.16	10.79	10.58	11.47	10.77	12.07	12.02	11.53	11.74
4	11.67	12.03	11.07	11.03	10.79	10.57	11.40	10.83	12.17	12.15	11.81	11.46
5	11.69	12.28	11.09	10.92	10.79	10.57	11.38	10.82	11.75	11.89	11.74	11.57
6	11.76	12.30	11.08	10.93	10.79	10.58	11.36	10.78	11.62	13.00	11.53	11.59
7	11.80	12.28	11.04	10.94	10.77	10.55	11.35	10.76	11.54	12.60	11.48	11.61
8	11.98	12.28	10.82	10.90	10.76	10.52	11.47	10.73	11.33	12.24	11.50	11.61
9	12.02	12.31	10.75	10.89	10.75	10.53	11.99	10.70	11.47	12.01	11.59	11.66
10	11.93	12.29	10.77	10.90	10.74	10.55	11.69	10.68	11.83	11.98	11.60	11.91
11	11.86	12.27	10.81	10.90	10.72	11.08	11.55	10.68	12.05	11.79	11.71	12.06
12	11.82	12.25	10.81	10.89	10.70	11.41	11.49	10.67	12.11	11.82	11.81	12.33
13	11.78	12.26	10.99	10.89	10.69	11.18	11.09	10.68	12.09	12.19	11.89	11.99
14	11.82	12.27	11.06	10.88	10.68	11.37	11.20	10.65	12.12	12.35	11.88	11.87
15	12.07	12.23	11.04	10.88	10.67	11.29	11.08	10.63	12.06	11.83	11.95	11.95
16	12.31	12.22	11.05	10.87	10.67	11.29	11.05	10.61	12.05	11.80	11.99	11.93
17	14.79	12.17	11.04	10.88	10.66	11.33	10.92	10.59	12.04	11.70	11.77	11.95
18	16.00	12.14	11.02	10.88	10.64	11.14	10.89	10.58	12.08	11.64	11.40	11.92
19	15.09	12.06	10.98	10.88	10.62	11.03	10.87	10.50	12.04	11.74	11.30	11.86
20	14.35	11.51	10.95	10.87	10.59	11.25	10.86	10.48	11.97	11.99	11.41	11.91
21	13.58	10.66	10.90	10.87	10.62	10.93	10.84	10.59	12.10	11.98	11.79	11.92
22	12.98	10.74	10.89	10.85	10.71	10.90	10.82	11.11	12.19	12.06	11.83	11.90
23	12.56	11.09	10.91	10.82	10.67	10.89	10.80	11.02	12.03	12.06	11.40	11.88
24	11.92	11.52	10.89	10.81	10.66	10.87	10.79	11.01	11.92	12.12	11.31	11.85
25	11.54	11.59	11.04	10.82	10.62	10.86	10.78	11.21	12.17	12.13	11.30	11.62
26	11.42	11.56	11.03	10.83	10.64	10.84	10.70	12.26	12.09	12.14	11.30	11.35
27	11.34	11.26	10.92	10.84	10.70	10.83	10.68	12.36	12.17	12.13	11.51	11.31
28	11.43	10.79	10.84	10.83	10.64	10.84	10.66	12.57	12.14	12.08	11.68	11.30
29	11.37	11.12	10.78	10.83	10.59	10.89	10.64	12.31	11.94	12.04	11.66	11.30
30	11.32	11.28	10.77	10.83	---	11.10	10.74	11.94	12.05	11.78	11.63	11.30
31	11.75	---	10.79	10.82	---	12.15	---	11.69	---	11.37	11.58	---
TOTAL	380.95	354.56	339.49	337.42	310.29	339.06	334.15	341.74	358.31	372.45	359.83	351.33
MEAN	12.29	11.82	10.95	10.88	10.70	10.94	11.14	11.02	11.94	12.01	11.61	11.71
MAX	16.00	12.31	11.20	11.16	10.81	12.15	11.99	12.57	12.19	13.00	11.99	12.33
MIN	11.32	10.66	10.75	10.81	10.59	10.52	10.64	10.48	11.33	11.37	11.30	11.30

02277600 LOXAHATCHEE RIVER NEAR JUPITER, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	126	215	97	45	49	38	203	56	153	211	134	122
2	124	215	84	57	49	39	184	56	157	188	138	122
3	125	210	81	78	49	39	140	56	244	221	144	184
4	126	233	81	63	48	39	131	62	262	247	190	140
5	131	281	83	51	49	39	128	61	187	198	180	156
6	146	285	82	52	49	39	124	57	163	422	146	159
7	154	280	77	53	48	37	123	55	152	338	139	162
8	189	281	54	48	47	35	141	52	120	261	141	162
9	200	285	48	47	47	36	228	50	140	214	157	171
10	184	281	50	48	46	38	177	49	198	208	159	213
11	171	278	52	48	46	91	153	48	237	176	176	242
12	167	274	52	48	45	133	144	47	247	184	195	294
13	163	277	69	48	44	101	90	49	244	252	210	228
14	173	278	75	47	43	126	104	46	249	284	208	206
15	221	270	73	48	43	115	89	44	235	184	221	223
16	267	266	73	48	44	116	85	43	233	181	228	219
17	1430	257	72	49	43	120	72	41	232	164	189	222
18	2150	251	69	49	42	97	68	40	238	154	131	217
19	1280	236	65	49	41	83	66	34	229	172	116	208
20	805	148	61	49	39	110	65	33	217	216	132	216
21	543	43	57	49	41	72	63	42	242	213	193	218
22	423	51	54	49	49	69	61	92	259	231	199	216
23	338	85	57	46	45	68	60	82	227	231	130	213
24	214	142	54	46	45	66	58	81	206	243	118	208
25	149	153	69	47	42	65	57	104	253	245	116	169
26	131	148	66	48	43	63	50	280	238	248	116	127
27	121	109	56	49	48	62	49	301	253	246	147	123
28	133	54	47	49	43	63	47	344	247	238	173	122
29	125	89	42	49	39	68	45	292	206	228	170	122
30	117	108	41	50	---	95	53	219	228	184	165	122
31	182	---	43	49	---	260	---	176	---	120	158	---
TOTAL	10808	6083	1984	1556	1306	2422	3058	2992	6496	6902	5019	5506
MEAN	349	203	64.0	50.2	45.0	78.1	102	96.5	217	223	162	184
MAX	2150	285	97	78	49	260	228	344	262	422	228	294
MIN	117	43	41	45	39	35	45	33	120	120	116	122
AC-FT	21440	12070	3940	3090	2590	4800	6070	5930	12880	13690	9960	10920

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1996, BY WATER YEAR (WY)

MEAN	125	110	73.9	71.5	66.3	62.0	46.4	43.0	71.5	82.1	95.4	116
MAX	349	277	253	305	295	190	178	150	238	223	212	248
(WY)	1996	1993	1995	1993	1993	1993	1993	1972	1994	1996	1995	1983
MIN	17.2	21.9	15.4	5.90	1.75	10.6	6.09	5.80	9.92	16.2	25.1	26.6
(WY)	1973	1973	1989	1989	1989	1975	1974	1974	1989	1990	1975	1972

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1971 - 1996

ANNUAL TOTAL	49816	54132	
ANNUAL MEAN	136	148	80.6
HIGHEST ANNUAL MEAN			172
LOWEST ANNUAL MEAN			24.2
HIGHEST DAILY MEAN	2150	2150	2150
LOWEST DAILY MEAN	11	33	.00
ANNUAL SEVEN-DAY MINIMUM	15	38	.16
INSTANTANEOUS PEAK FLOW		2660	2660
INSTANTANEOUS PEAK STAGE		16.39	16.39
INSTANTANEOUS LOW FLOW		31	.00
ANNUAL RUNOFF (AC-FT)	98810	107400	58390
10 PERCENT EXCEEDS	251	251	166
50 PERCENT EXCEEDS	103	123	58
90 PERCENT EXCEEDS	35	45	15

265613080100700 LOXAHATCHEE RIVER AT INDIANTOWN ROAD NEAR JUPITER, FL

WATER-QUALITY RECORDS

LOCATION.--Lat 26°56'13", long 80°10'07", in NW1/4SE1/4NW1/4 sec.6, T.41 S., R.42 E., Palm Beach County, Hydrologic Unit 03090202, Indiantown Road, 1.3 mi west of the Florida Turnpike and 3.0 mi west of Jupiter.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1989 to current year.

REMARKS.--Site is part of South Indian River Water Control District water-quality monitoring network.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

265613080100700 LOXAHATCHEE RIVER AT INDIANTOWN ROAD NEAR JUPITER, FL--continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	SILICA,		BARIUM,		BERYL-		CHRO-		COPPER,		IRON,		LEAD,		MANGA-		NICKEL,	
	DIS-	ARSENIC	TOTAL	RECOV-	TOTAL	WATER	TOTAL	RECOV-	TOTAL	RECOV-	TOTAL	RECOV-	TOTAL	RECOV-	NESE,	THAL-	TOTAL	RECOV-
	(MG/L	TOTAL	ERABLE	ERABLE	TOTAL	ERABLE	ERABLE	ERABLE	ERABLE	ERABLE	ERABLE	ERABLE	ERABLE	ERABLE	ERABLE	LIUM,	ERABLE	
	AS	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L
	SIO2)	AS AS)	AS BA)	AS BE)	AS CD)	AS CR)	AS CU)	AS FE)	AS PB)	AS MN)	AS TL)	AS NI)						
	(00955)	(01002)	(01007)	(01012)	(01027)	(01034)	(01042)	(01045)	(01051)	(01055)	(01059)	(01067)						
JAN																		
24...	4.5	<1	20	<0.5	<1	<10	2	100	<1	9	<1	<1						
MAR																		
13...	6.7	<1	20	<0.5	<1	<5	3	180	<1	12	<1	1						
APR																		
12...	6.0	<1	20	1.3	<1	<5	1	210	<1	8	<1	<1						
JUN																		
21...	6.6	<1	10	<0.5	<1	<1	1	300	<1	23	<1	<1						
AUG																		
09...	8.1	<1	10	<0.5	<1	<1	2	320	1	25	<1	<1						
28...	8.7	<1	20	<0.5	<1	<1	<1	260	1	18	<1	<1						
DATE	SILVER,		STRON-		ZINC,		ALUM-		DI-		DI-		CARBON-		1,2-DI-		CHLORO-	
	TOTAL	RECOV-	TOTAL	RECOV-	TOTAL	RECOV-	TOTAL	RECOV-	TOTAL	RECOV-	TOTAL	RECOV-	TOTAL	RECOV-	TOTAL	RECOV-	TOTAL	RECOV-
	ERABLE	SOLVED	ERABLE	SOLVED	ERABLE	SOLVED	ERABLE	SOLVED	ERABLE	SOLVED	ERABLE	SOLVED	ERABLE	SOLVED	ERABLE	SOLVED	ERABLE	SOLVED
	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L
	AS AG)	AS SR)	AS ZN)	AS SB)	AS AL)	AS SE)	AS SE)	AS SE)	AS SE)	AS SE)	AS SE)	AS SE)	AS SE)	AS SE)	AS SE)	AS SE)	AS SE)	AS SE)
	(01077)	(01080)	(01092)	(01097)	(01105)	(01147)	(30217)	(32101)	(32102)	(32103)	(32104)	(32105)						
JAN																		
24...	<1	480	<4	<1	<20	<1	--	--	--	--	--	--						
MAR																		
13...	<1	480	9	<1	50	<1	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400						
APR																		
12...	<1	410	4	<1	<20	<1	--	--	--	--	--	--						
JUN																		
21...	<1	280	3	<1	30	<1	--	--	--	--	--	--						
AUG																		
09...	<1	250	6	<1	20	<1	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200						
28...	<1	280	5	<1	30	<1	--	--	--	--	--	--						
DATE	CHLORO-		ACE-		ACE-		BENZO B		BENZO K		DELTA		BIS 2-					
	FORM	PHENOLS	TOLUENE	BENZENE	YLENE	NAPHTH-	ANTHRA-	FLUOR-	FLUOR-	BENZO-	BENZENE	HEXA-	ETHYL	CHLORO-				
	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	AN-	AN-	A-	CHLOR-	IDE	ETHER	UNFLTRD				
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)				
	(32106)	(32730)	(34010)	(34030)	(34200)	(34205)	(34220)	(34230)	(34242)	(34247)	(34259)	(34273)						
JAN																		
24...	--	<5	--	--	--	--	--	--	--	--	--	--	--	--				
MAR																		
13...	<0.400	<1	<0.400	<0.400	<5.00	<5.00	<5.00	<10.0	<10.0	<10.0	<0.090	<5.00						
APR																		
12...	--	<1	--	--	--	--	--	--	--	--	--	--	--	--				
JUN																		
21...	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
AUG																		
09...	<0.200	<1	<0.200	<0.200	<5.00	<5.00	<5.00	<10.0	<10.0	<10.0	<0.090	<5.00						
28...	--	<1	--	--	<5.00	<5.00	<5.00	<10.0	<10.0	<10.0	--	<5.00						

EVERGLADES AND SOUTHEASTERN COASTAL AREA

265613080100700 LOXAHATCHEE RIVER AT INDIANTOWN ROAD NEAR JUPITER, FL--continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	BIS	BIS (2-					DI-				ENDO-		
	(2-	CHLORO-	N-BUTYL					DIETHYL	METHYL	ENDO-	ENDO-	SULFAN-	
	CHLORO-	ISO-	BENZYL	CHLORO-	CHLORO-	CHRY-	PHTHAL-	PHTHAL-	SULFAN	SULFAN	I	ENDRIN	
	ETHOXY)	PROPYL)	PHTHAL-	CHLORO-	CHLORO-	CHRY-	PHTHAL-	PHTHAL-	SULFAN	SULFAN	WATER	ALDE-	
	METHANE	ETHER	ATE	BENZENE	ETHANE	SENE	ATE	ATE	SULFATE	II	WHOLE	HYDE	
TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	REC	TOTAL	
(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	
(34278)	(34283)	(34292)	(34301)	(34311)	(34320)	(34336)	(34341)	(34351)	(34356)	(34361)	(34366)		
JAN													
24...	--	--	--	--	--	--	--	--	--	--	--	--	
MAR													
13...	<5.00	<5.00	<5.00	<0.400	<0.400	<10.0	<5.00	<5.00	<0.600	<0.040	<0.100	<0.200	
APR													
12...	--	--	--	--	--	--	--	--	--	--	--	--	
JUN													
21...	--	--	--	--	--	--	--	--	--	--	--	--	
AUG													
09...	<5.00	<5.00	<5.00	<0.200	<0.200	<10.0	<5.00	<5.00	<0.600	<0.040	<0.100	<0.200	
28...	<5.00	<5.00	<5.00	--	--	<10.0	<5.00	<5.00	--	--	--	--	
DATE			CYCLOPE	ETHANE								N-	
			NTADIEN	HEXA-	INDENO					METHYL-	NITRO-	N-NITRO	
			HEXA-	CHLORO-	(1,2,3-					METHYL-	ENE	SODI-N-	
	ETHYL-	FLUOR-	FLUOR-	CHLORO-	WATER	CD)	ISO-	METHYL-	CHLO-	CHLO-	PROPYL-	PHENY-	
	BENZENE	ANTHENE	ENE	UNFLTRD	UNFLTRD	PYRENE	PHORONE	BROMIDE	RIDE	RIDE	AMINE	LAMINE	
TOTAL	TOTAL	TOTAL	RECOVER	RECOVER	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	
(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	
(34371)	(34376)	(34381)	(34386)	(34396)	(34403)	(34408)	(34413)	(34418)	(34423)	(34428)	(34433)		
JAN													
24...	--	--	--	--	--	--	--	--	--	--	--	--	
MAR													
13...	<0.400	<5.00	<5.00	<5.00	<5.00	<10.0	<5.00	<0.400	<0.400	<0.400	<5.00	<5.00	
APR													
12...	--	--	--	--	--	--	--	--	--	--	--	--	
JUN													
21...	--	--	--	--	--	--	--	--	--	--	--	--	
AUG													
09...	<0.200	<5.00	<5.00	<5.00	<5.00	<10.0	<5.00	<0.200	<0.200	<0.200	<5.00	<5.00	
28...	--	<5.00	<5.00	<5.00	<5.00	<10.0	<5.00	--	--	--	<5.00	<5.00	
DATE	N-NITRO	BENZENE	PARA-			TETRA-	TRI-			1,1-DI-	1,1,1-	1,1,2-	ETHANE,
	-SODI-	NITRO-	CHLORO-			CHLORO-	CHLORO-	1,1-DI-	CHLORO-	TRI-	TRI-	TRI-	1,1,2,2
	METHY-	WATER	META	PHENAN-		ETHYL-	FLUORO-	CHLORO-	ETHYL-	CHLORO-	CHLORO-	CHLORO-	TETRA-
	LAMINE	UNFLTRD	CRESOL	THRENE	PYRENE	ENE	METHANE	ETHANE	ENE	ETHANE	ETHANE	ETHANE	WAT UNF
	TOTAL	RECOVER	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	REC
(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	
(34438)	(34447)	(34452)	(34461)	(34469)	(34475)	(34488)	(34496)	(34501)	(34506)	(34511)	(34516)		
JAN													
24...	--	--	--	--	--	--	--	--	--	--	--	--	
MAR													
13...	<5.00	<5.00	<30.0	<5.00	<5.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	
APR													
12...	--	--	--	--	--	--	--	--	--	--	--	--	
JUN													
21...	--	--	--	--	--	--	--	--	--	--	--	--	
AUG													
09...	<5.00	<5.00	<30.0	<5.00	<5.00	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	
28...	<5.00	<5.00	<30.0	<5.00	<5.00	--	--	--	--	--	--	--	

265613080100700 LOXAHATCHEE RIVER AT INDIANTOWN ROAD NEAR JUPITER, FL--continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	BENZOGH	BENZO A	BENZENE			BENZENE			BENZENE	BENZENE	2-	
	I PERYL	ANTHRAC	O-DI-	1,2-	1,2,4-	1,2,5,6	1,3-DI-	1,4-DI-	CHLORO-	CHLORO-	CHLORO-	2-
	ENE1,12	ENE1,2-	CHLORO-	1,2-DI-	TRANSDI	TRI-	-DIBENZ	CHLORO-	CHLORO-	ETHYL-	CHLORO-	2-
	-BENZOP	BENZANT	WATER	CHLORO-	CHLORO-	CHLORO-	-ANTHRA	WATER	WATER	VINYL-	NAPH-	CHLORO-
	ERYLENE	HRACENE	UNFLTRD	PROPANE	ETHENE	WAT UNF	-CENE	UNFLTRD	UNFLTRD	ETHER	THALENE	PHENOL
TOTAL	TOTAL	REC	TOTAL	TOTAL	REC	TOTAL	REC	REC	REC	TOTAL	TOTAL	TOTAL
(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
(34521)	(34526)	(34536)	(34541)	(34546)	(34551)	(34556)	(34566)	(34571)	(34576)	(34581)	(34586)	(34586)
JAN												
24...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
13...	<10.0	<10.0	<5.00	<0.400	<0.400	<5.00	<10.0	<5.00	<5.00	<2.00	<5.00	<5.00
APR												
12...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
21...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
09...	<10.0	<10.0	<0.200	<0.200	<0.200	<0.200	<10.0	<0.200	<0.200	--	<5.00	<5.00
28...	<10.0	<10.0	<5.00	--	--	<5.00	<10.0	<5.00	<5.00	--	<5.00	<5.00
JAN												
24...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
13...	<5.00	<10.0	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<20.0	<5.00	<5.00	<30.0
APR												
12...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
21...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
09...	<5.00	<10.0	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<20.0	<5.00	<5.00	<30.0
28...	<5.00	<10.0	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<20.0	<5.00	<5.00	<30.0
JAN												
24...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
13...	<30.0	<0.400	<0.100	<5.00	<5.00	<0.400	<0.400	<30.0	<0.100	<0.100	<5.00	<5.00
APR												
12...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
21...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
09...	<30.0	<0.200	<0.100	<5.00	<0.200	<0.200	<0.200	<30.0	<0.100	<0.100	<5.00	<5.00
28...	<30.0	--	--	<5.00	<5.00	--	--	<30.0	--	--	<5.00	<5.00

EVERGLADES AND SOUTHEASTERN COASTAL AREA

265613080100700 LOXAHATCHEE RIVER AT INDIANTOWN ROAD NEAR JUPITER, FL--continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	DI-N-BUTYL	BENZI-DINE	VINYL CHLO-RIDE	TRI-CHLORO-ETHYL-ENE	P,P'DDT,	P,P'DDD,	P,P'DDE,	ALDRIN,	ALPHA BHC	BETA BENZENE HEXA-CHLOR-IDE	LINDANE
	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(39110)	(39120)	(39175)	(39180)	(39300)	(39310)	(39320)	(39330)	(39337)	(39338)	(39340)
JAN 24...	--	--	--	--	--	--	--	--	--	--	--
MAR 13...	<5.00	<40.0	<0.400	<0.400	<0.100	<0.100	<0.040	<0.040	<0.030	<0.030	<0.030
APR 12...	--	--	--	--	--	--	--	--	--	--	--
JUN 21...	--	--	--	--	--	--	--	--	--	--	--
AUG 09...	<5.00	<40.0	<0.200	<0.200	<0.100	<0.100	<0.040	<0.040	<0.030	<0.030	<0.030
28...	<5.00	<40.0	--	--	--	--	--	--	--	--	--
DATE	CHLOR-DANE, TECH-NICAL	DI-ELDRIN	ENDRIN WATER UNPLTRD	TOX-APHENE, REC	HEPTA-CHLOR, TOTAL	HEPTA-CHLOR EPOXIDE	AROCOR 1221 PCB	AROCOR 1232 PCB	AROCOR 1242 PCB	AROCOR 1248 PCB	AROCOR 1254 PCB
	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(39350)	(39380)	(39390)	(39400)	(39410)	(39420)	(39488)	(39492)	(39496)	(39500)	(39504)
JAN 24...	--	--	--	--	--	--	--	--	--	--	--
MAR 13...	<0.100	<0.020	<0.060	<2.00	<0.030	<0.800	<1.00	<0.100	<0.100	<0.100	<0.100
APR 12...	--	--	--	--	--	--	--	--	--	--	--
JUN 21...	--	--	--	--	--	--	--	--	--	--	--
AUG 09...	<0.100	<0.020	<0.060	<2.00	<0.030	<0.800	<1.00	<0.100	<0.100	<0.100	<0.100
28...	--	--	--	--	--	--	--	--	--	--	--
DATE	AROCOR 1260 PCB	HEXA-CHLORO-BENZENE	HEXA-CHLORO-BUT-ADIENE	SOLIDS, RESIDUE AT 180 DEG. C	PHOS-PHORUS ORTHO TOTAL	MERCURY RECOV-ERABLE	CIS-1,2 -DI-CHLORO-ETHENE WATER		1,1-DI CHLORO-PRO-PENE,	2,2-DI CHLORO-PRO-PANE	1,3-DI-CHLORO-PROPANE
	TOTAL	TOTAL	TOTAL	SOLVED	(MG/L) AS P)	(UG/L) AS HG)	STYRENE	WAT, WH	WAT, WH	WAT, WH	WAT, WH
	(UG/L)	(UG/L)	(UG/L)	(MG/L)			(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(39508)	(39700)	(39702)	(70300)	(70507)	(71900)	(77093)	(77128)	(77168)	(77170)	(77173)
JAN 24...	--	--	--	354	0.010	<0.10	--	--	--	--	--
MAR 13...	<0.100	<5.00	<5.00	348	0.020	<0.10	<0.400	<0.400	<0.400	<0.400	<0.400
APR 12...	--	--	--	316	0.020	<0.10	--	--	--	--	--
JUN 21...	--	--	--	222	0.030	<0.10	--	--	--	--	--
AUG 09...	<0.100	<5.00	<0.200	218	0.030	<0.10	<0.200	<0.200	<0.200	<0.200	<0.200
28...	--	<5.00	<5.00	278	0.020	<0.10	--	--	--	--	--

265613080100700 LOXAHATCHEE RIVER AT INDIANTOWN ROAD NEAR JUPITER, FL--continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	ISO-BENZENE		BENZENE		O-CHLORO-		METHANE		BENZENE		BENZENE		P-ISO-	
	124-TRI	PROPYL-BENZENE	BENZENE	135-TRI	CHLORO-TOLUENE	TOLUENE	BROMO-CHLORO-	N-BUTYL	SEC-BUTYL-	TERT-BUTYL-	WHOLE	WHOLE	WHOLE	WHOLE
	METHYL	WATER	WATER	WATER	WATER	WATER	WAT	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	UNFLT	WHOLE	UNFLTRD	UNFLTRD	WHOLE	UNFLTRD	UNFLTRD	UNFLTRD	UNFLTRD	UNFLTRD	UNFLTRD	UNFLTRD	UNFLTRD	WHOLE
	RECOVER	REC	REC	REC	TOTAL	REC	REC	REC	REC	REC	REC	REC	REC	REC
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(77222)	(77223)	(77224)	(77226)	(77275)	(77277)	(77297)	(77342)	(77350)	(77353)	(77356)			
JAN														
24...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR														
13...	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
APR														
12...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN														
21...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG														
09...	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
28...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DATE	123-TRI		ETHANE,		1,2,3-		1,2-		METHYL		BROMO-		DIBROMO	
	CHLORO-	1112-	PROFANE	TETRA-	CHLORO	ETHANE	FREON-	113	TERT-	BUTYL	XYLENE	BENZENE	PROPANE	HYDRA-
	WATER	CHLORO-	WATER	WAT UNF	BENZENE	WATER	WATER	WATER	ETHER	WATER	WATER,	WATER	WATER	WATER
	WHOLE	WAT UNF	WHOLE	WAT, WH	WHOLE	UNFLTRD	WAT UNF	UNFLTRD	WHOLE,	WHOLE	WHOLE	WHOLE	WHOLE	WHOLE
	TOTAL	REC	REC	TOTAL	REC	REC	TOTAL	REC	TOTAL	TOT.REC	TOT.REC	TOT.REC	TOT.REC	LAB
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(US/CM)
	(77443)	(77562)	(77613)	(77651)	(77652)	(78032)	(81551)	(81555)	(82625)	(82626)	(90095)			
JAN														
24...	--	--	--	--	--	--	--	--	--	--	--	--	--	580
MAR														
13...	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<2.00	<5.00	<5.00	<5.00	582
APR														
12...	--	--	--	--	--	--	--	--	--	--	--	--	--	503
JUN														
21...	--	--	--	--	--	--	--	--	--	--	--	--	--	328
AUG														
09...	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<1.00	<5.00	<5.00	<5.00	331
28...	--	--	--	--	--	--	--	--	--	--	--	--	--	422
DATE	ALKA-		SET		ETHANE		TOLUENE		BENZENE		SAMPLE		SAMPLE	
	LINITY	NUMBER	NUMBER	SURROG	SURROG	SURROG	SURROG	SURROG	SURROG	SURROG	VOLUME	VOLUME	VOLUME	VOLUME
	LAB	SCHED-	SCHED-	VOC	VOC	VOC	VOC	VOC	VOC	VOC	SCHED-	SCHED-	OCALA	OCALA
	(MG/L)	ULE	ULE	UNFLTRD	UNFLTRD	UNFLTRD	UNFLTRD	UNFLTRD	UNFLTRD	UNFLTRD	ULE	ULE	SAMPLE	SAMPLE
	AS	1383	1608	REC	REC	REC	REC	REC	REC	REC	1383	1608	LOGIN	LOGIN
	CAC03)	(NO.)	(NO.)	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	(ML)	(ML)	ID	YYDDD
	(90410)	(99813)	(99817)	(99832)	(99833)	(99834)	(99855)	(99866)	(99898)	(99899)	(99899)	(99899)	(99899)	(99931)
JAN														
24...	200	--	--	--	--	--	--	--	--	--	9600000	96026	96026	--
MAR														
13...	178	2927	2925	113	99.0	107	913	878	9600000	96075	96075	96075	96075	--
APR														
12...	164	--	--	--	--	--	--	--	9600000	96107	96107	96107	96107	--
JUN														
21...	110	--	--	--	--	--	--	--	9610000	96178	96178	96178	96178	--
AUG														
09...	108	3455	3448	103	98.0	75.0	996	853	9610000	96226	96226	96226	96226	960820
28...	144	3532	--	--	--	--	953	--	9610000	96243	96243	96243	96243	--

EVERGLADES AND SOUTHEASTERN COASTAL AREA

265552080085000 TURNPIKE BORROW CANAL ABOVE S-46 NEAR JUPITER, FL

WATER-QUALITY RECORDS

LOCATION.--Lat 26°55'52", long 80°08'50", in NW1/4NW1/4SW1/4 sec.3, T.41 S., R.42 E., Palm Beach County, Hydrologic Unit 03090202, downstream of weir, 0.33 mi southwest of Indiantown Road and 0.25 mi northeast of the Florida Turnpike.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1989 to current year.

REMARKS.--Site is part of South Indian River Water Control District water-quality monitoring network.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

		BARO-						PH	PH	ALKA-		
		METRIC			AGENCY	SPE-			WATER	WATER	LINITY	NITRO-
		PRES-			ANA-	COLOR	CIFIC	WATER	WATER	WAT	WH	GEN,
		TEMPER-	TEMPER-	SURE	LYZING	(PLAT-	CON-	OXYGEN,	FIELD	LAB	TOT FET	AMMONIA
		ATURE	ATURE	(MM	SAMPLE	INUM-	DUCT-	DIS-	(STAND-	(STAND-	FIELD	TOTAL
DATE	TIME	WATER	AIR	OF	(CODE	COBALT	ANCE	SOLVED	ARD	ARD	MG/L AS	(MG/L
		(DEG C)	(DEG C)	HG)	NUMBER)	UNITS)	(US/CM)	(MG/L)	UNITS)	UNITS)	CAC03	AS N)
		(00010)	(00020)	(00025)	(00028)	(00080)	(00095)	(00300)	(00400)	(00403)	(00410)	(00610)

MAR

13... 1130 22.0 22.5 -- 81213 50 308 6.5 6.8 7.8 130 0.040

APR

01... 1400 26.0 30.0 -- 81213 50 232 7.5 6.5 7.5 124 --

JUN

13... 1400 30.0 32.0 760 81213 70 389 6.0 6.8 7.6 210 0.060

SEP

04... 1200 30.0 31.0 763 80020 100 401 5.2 6.9 7.9 160 0.150

DATE	NITRO-											
	NITRO-	GEN, AM-	NITRO-					MAGNE-	POTAS-	CHLO-	FLUO-	
	GEN,	MONIA +	GEN,	PHOS-		CALCIUM	SIUM,	SODIUM,	SIUM,	RIDE,	SULFATE	RIDE,
	NITRITE	ORGANIC	NO2+NO3	PHORUS	CYANIDE	DIS-	DIS-	DIS-	DIS-	DIS-	DIS-	DIS-
	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED
	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L
	AS N)	AS N)	AS N)	AS P)	AS CN)	AS CA)	AS MG)	AS NA)	AS K)	AS CL)	AS SO4)	AS F)
(00615)	(00625)	(00630)	(00665)	(00720)	(00915)	(00925)	(00930)	(00935)	(00940)	(00945)	(00950)	

MAR

13... <0.010 0.63 <0.020 0.060 0.020 56 2.5 14 0.90 22 3.1 0.20

APR

01... -- 0.62 -- 0.070 <0.020 37 1.8 9.6 2.2 18 9.5 <0.10

JUN

13... 0.010 0.90 0.030 0.030 <0.020 58 3.0 17 1.5 28 9.4 0.10

SEP

04... <0.010 2.2 <0.020 0.310 <0.020 62 2.6 18 1.5 28 1.9 0.20

PAGE 93

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	SILICA, DIS- SOLVED (MG/L	ARSENIC TOTAL (UG/L	BARIUM, TOTAL RECOV- ERABLE (UG/L	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L	CADMIUM WATER UNFLTRD TOTAL (UG/L	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L	COPPER, TOTAL RECOV- ERABLE (UG/L	IRON, TOTAL RECOV- ERABLE (UG/L	LEAD, TOTAL RECOV- ERABLE (UG/L	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L	THAL- LIUM, TOTAL RECOV- ERABLE (UG/L	NICKEL, TOTAL RECOV- ERABLE (UG/L	
	AS	AS	AS BA	AS BE	AS CD	AS CR	AS CU	AS FE	AS PB	AS MN	AS TL	AS NI	
	(00955)	(01002)	(01007)	(01012)	(01027)	(01034)	(01042)	(01045)	(01051)	(01055)	(01059)	(01067)	
	MAR												
	13...	2.6	<1	10	<0.5	<1	<5	2	120	<1	4	<1	<1
APR													
01...	2.2	<1	10	<0.5	<1	<5	2	140	<1	6	<1	<1	
JUN													
13...	4.8	<1	10	<0.5	<1	<1	2	140	<1	10	<1	2	
SEP													
04...	6.5	<1	20	<0.5	<1	<1	2	150	<1	20	<1	1	
DATE	SILVER, TOTAL RECOV- ERABLE (UG/L	STRON- TIUM, DIS- SOLVED (UG/L	ZINC, TOTAL RECOV- ERABLE (UG/L	ANTI- MONY, TOTAL ERABLE (UG/L	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L	DI- BROMO- METHANE WHOLE RECOVER (UG/L	DI- CHLORO- BROMO- METHANE TOTAL (UG/L	CARBON- TETRA- CHLO- RIDE TOTAL (UG/L	1, 2-DI- CHLORO- ETHANE TOTAL (UG/L	BROMO- FORM TOTAL (UG/L	CHLORO- DI- BROMO- METHANE TOTAL (UG/L		
	AS AG	AS SR	AS ZN	AS SB	AS AL	AS SE	(30217)	(32101)	(32102)	(32103)	(32104)	(32105)	
	(01077)	(01080)	(01092)	(01097)	(01105)	(01147)	(30217)	(32101)	(32102)	(32103)	(32104)	(32105)	
	MAR												
	13...	<1	290	5	<1	80	<1	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
APR													
01...	<1	220	<4	<1	150	<1	--	--	--	--	--	--	
JUN													
13...	<1	340	50	<1	20	<1	--	--	--	--	--	--	
SEP													
04...	<1	300	4	<1	30	<1	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	
DATE	CHLORO- FORM TOTAL (UG/L	PHENOLS TOTAL (UG/L	TOLUENE TOTAL (UG/L	BENZENE TOTAL (UG/L	ACE- NAPHTH- YLENE TOTAL (UG/L	ACE- NAPHTH- ENE TOTAL (UG/L	ANTHRA- CENE TOTAL (UG/L	BENZO B FLUOR- AN- THENE TOTAL (UG/L	BENZO K FLUOR- AN- THENE TOTAL (UG/L	BENZO- A- PYRENE TOTAL (UG/L	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L	BIS 2- CHLORO- ETHYL ETHER RECOVER TOTAL (UG/L	
	(32106)	(32730)	(34010)	(34030)	(34200)	(34205)	(34220)	(34230)	(34242)	(34247)	(34259)	(34273)	
	MAR												
	13...	<0.200	<1	<0.200	<0.200	<5.00	<5.00	<5.00	<10.0	<10.0	<10.0	<0.090	<5.00
	APR												
01...	--	<1	--	--	--	--	--	--	--	--	--	--	
JUN													
13...	--	<1	--	--	--	--	--	--	--	--	--	--	
SEP													
04...	<0.200	<1	<0.200	<0.200	<5.00	<5.00	<5.00	<10.0	<10.0	<10.0	<0.090	<5.00	

265552080085000 TURNPIKE BORROW CANAL ABOVE S-46 NEAR JUPITER, FL--continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	BIS	BIS (2-									ENDO-		
	(2-	CHLORO-	N-BUTYL					DI-		SULFAN-			
	CHLORO-	ISO-	BENZYL					DIETHYL	METHYL	ENDO-	ENDO-	I	ENDRIN
	ETHOXY	PROPYL	PTHAL-	CHLORO-	CHLORO-	CHRY-	PTHAL-	PTHAL-	SULFAN	SULFAN	WATER	ALDE-	
	METHANE	ETHER	ATE	BENZENE	ETHANE	SENE	ATE	ATE	SULFATE	II	WHOLE	HYDE	
	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	REC	TOTAL	
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(34278)	(34283)	(34292)	(34301)	(34311)	(34320)	(34336)	(34341)	(34351)	(34356)	(34361)	(34366)	

MAR												
13...	<5.00	<5.00	<5.00	<0.200	<0.200	<10.0	<5.00	<5.00	<0.600	<0.040	<0.100	<0.200
APR												
01...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
13...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	<5.00	<5.00	<5.00	<0.200	<0.200	<10.0	<5.00	<5.00	<0.600	<0.040	<0.100	<0.200

				CYCLOPE	ETHANE					N-				
				NTADIEN	HEXA-	INDENO					METHYL-	NITRO-	N-NITRO	
				HEXA-	CHLORO-	(1,2,3-					METHYL-	ENE	SODI-N-	N-SODI-
				CHLORO-	WATER	CD)	ISO-	METHYL-	CHLO-	CHLO-	PROPYL-	PHENY-		
				UNPLTRD	UNPLTRD	PYRENE	PHORONE	BROMIDE	RIDE	RIDE	AMINE	LAMINE		
DATE	ETHYL-	FLUOR-	FLUOR-	RECOVER	RECOVER	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL		
	BENZENE	ANTHENE	ENE	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)		
	(34371)	(34376)	(34381)	(34386)	(34396)	(34403)	(34408)	(34413)	(34418)	(34423)	(34428)	(34433)		

MAR	13...	<0.200	<5.00	<5.00	<5.00	<5.00	<10.0	<5.00	<0.200	<0.200	<0.200	<5.00	<5.00
APR	01...	--	--	--	--	--	--	--	--	--	--	--	--
JUN	13...	--	--	--	--	--	--	--	--	--	--	--	--
SEP	04...	<0.200	<5.00	<5.00	<5.00	<5.00	<10.0	<5.00	<0.200	<0.200	<0.200	<5.00	<5.00

	N-NITRO	BENZENE	PARA-			TETRA-	TRI-		1,1-DI-	1,1,1-	1,1,2-	ETHANE,
	-SODI-	NITRO-	CHLORO-			CHLORO-	CHLORO-	1,1-DI-	CHLORO-	TRI-	TRI-	1,1,2,2
	METHY-	WATER	META	PHENAN-		ETHYL-	FLUORO-	CHLORO-	ETHYL-	CHLORO-	CHLORO-	TETRA-
	LAMINE	UNFLTRD	CRESOL	THRENE	PYRENE	ENE	METHANE	ETHANE	ENE	ETHANE	ETHANE	WAT UNF
DATE	TOTAL	RECOVER	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	REC
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(34438)	(34447)	(34452)	(34461)	(34469)	(34475)	(34488)	(34496)	(34501)	(34506)	(34511)	(34516)

[illegible]

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 95

265552080085000 TURNPIKE BORROW CANAL ABOVE S-46 NEAR JUPITER, FL--continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	BENZOGH I PERYL	BENZO A ANTHRAC	BENZENE O-DI-	BENZENE 1,2- 1,2,4- 1,2,5,6			BENZENE 1,3-DI-	BENZENE 1,4-DI-	2- CHLORO-	2- CHLORO-		
	ENE1,12 -BENZOP	ENE1,2- BENZANT	CHLORO- WATER	1,2-DI- CHLORO-	TRANSDI CHLORO-	TRI- CHLORO-	-DIBENZ -ANTHRA	CHLORO- WATER	CHLORO- WATER	ETHYL- VINYL-	CHLORO- NAPH-	2- CHLORO-
	ERYLENE	HRACENE	UNFLTRD	PROPANE	ETHENE	WAT UNF	-CENE	UNFLTRD	UNFLTRD	ETHER	THALENE	PHENOL
	TOTAL	TOTAL	REC	TOTAL	TOTAL	REC	TOTAL	REC	REC	TOTAL	TOTAL	TOTAL
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(34521)	(34526)	(34536)	(34541)	(34546)	(34551)	(34556)	(34566)	(34571)	(34576)	(34581)	(34586)
MAR												
13...	<10.0	<10.0	<5.00	<0.200	<0.200	<5.00	<10.0	<5.00	<5.00	<1.00	<5.00	<5.00
APR												
01...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
13...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	<10.0	<10.0	<0.200	<0.200	<0.200	<0.200	<10.0	<0.200	<0.200	--	<5.00	<5.00
DATE	2- NITRO- PHENOL	DI-N- OCTYL PHTHAL- ATE	2,4-DI- CHLORO- PHENOL	2,4-DI- METHYL- PHENOL	2,4-DI- NITRO- TOLUENE	2,4,- DI- NITRO- PHENOL	2,4,6- TRI- CHLORO- PHENOL	2,6-DI- NITRO- TOLUENE	3,3'- DI- CHLORO- DINE	4- BROMO- PHENYL ETHER	4- CHLORO- PHENYL ETHER	4- NITRO- PHENOL
	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(34591)	(34596)	(34601)	(34606)	(34611)	(34616)	(34621)	(34626)	(34631)	(34636)	(34641)	(34646)
MAR												
13...	<5.00	<10.0	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<20.0	<5.00	<5.00	<30.0
APR												
01...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
13...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	<5.00	<10.0	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<20.0	<5.00	<5.00	<30.0
DATE	4,6- DINITRO -ORTHO- CRESOL	DI- FLUORO- METHANE	DI- AROCLOR 1016 PCB	PHENOL (C6H- 5OH)	PHENOL NAPHTH- ALENE	TRANS- 1,3-DI- CHLORO- PROPENE	CIS 1,3-DI- CHLORO- PROPENE	PENTA- CHLORO- PHENOL	CHLOR- DANE CIS WATER	CHLOR- DANE TRANS WATER	BIS(2- ETHYL HEXYL) PHTHAL- ATE	
	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	
	(34657)	(34668)	(34671)	(34694)	(34696)	(34699)	(34704)	(39032)	(39062)	(39065)	(39100)	
MAR												
13...	<30.0	<0.200	<0.100	<5.00	<5.00	<0.200	<0.200	<30.0	<0.100	<0.100	<5.00	
APR												
01...	--	--	--	--	--	--	--	--	--	--	--	
JUN												
13...	--	--	--	--	--	--	--	--	--	--	--	
SEP												
04...	<30.0	<0.200	<0.100	<5.00	<0.200	<0.200	<0.200	<30.0	<0.100	<0.100	<5.00	

EVERGLADES AND SOUTHEASTERN COASTAL AREA

265552080085000 TURNPIKE BORROW CANAL ABOVE S-46 NEAR JUPITER, FL--continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	DI-N-BUTYL		VINYL		TRI-CHLORO-		P, P'		P, P'		P, P'		ALDRIN, BHC		BETA BENZENE HEXA-CHLOR-		LINDANE	
	PHTHAL-	BENZI-	CHLO-	ETHYL-	ENE	DDT,	DDD,	DDE,										
	ATE	DINE	RIDE															
	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(39110)	(39120)	(39175)	(39180)	(39300)	(39310)	(39320)	(39330)	(39337)	(39338)	(39340)							
MAR																		
13...	<5.00	<40.0	<0.200	<0.200	<0.100	<0.100	<0.040	<0.040	<0.030	<0.030	<0.030							
APR																		
01...	--	--	--	--	--	--	--	--	--	--	--							
JUN																		
13...	--	--	--	--	--	--	--	--	--	--	--							
SEP																		
04...	<5.00	<40.0	<0.200	<0.200	<0.100	<0.100	<0.040	<0.040	<0.030	<0.030	<0.030							
DATE	CHLOR-DANE, TECH-		ENDRIN		HEPTA-		AROCLOR		AROCLOR		AROCLOR		AROCLOR		AROCLOR		AROCLOR	
	DI-		WATER	TOX-	HEPTA-	CHLOR	1221	1232	1242	1248	1254							
	ELDRIN	UNFLTRD	APHENE,	CHLOR,	EPOXIDE	PCB	PCB	PCB	PCB	PCB	PCB							
	TOTAL	TOTAL	REC	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL							
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)							
	(39350)	(39380)	(39390)	(39400)	(39410)	(39420)	(39488)	(39492)	(39496)	(39500)	(39504)							
MAR																		
13...	<0.100	<0.020	<0.060	<2.00	<0.030	<0.800	<1.00	<0.100	<0.100	<0.100	<0.100							
APR																		
01...	--	--	--	--	--	--	--	--	--	--	--							
JUN																		
13...	--	--	--	--	--	--	--	--	--	--	--							
SEP																		
04...	<0.100	<0.020	<0.060	<2.00	<0.030	<0.800	<1.00	<0.100	<0.100	<0.100	<0.100							
DATE	AROCLOR		HEXA-CHLORO-		SOLIDS, RESIDUE		PHOS-		MERCURY		CIS-1,2 -DI-		1,1-DI		2,2-DI		1,3-DI-	
	1260	CHLORO-	BUT-	AT 180	DEG. C	ORTH	RECOV-	ETHENE	ERABLE	WATER	STYRENE	WAT, WH	WAT, WH	WAT, WH	WAT, WH	WAT, WH	WAT, WH	WAT, WH
	PCB	BENZENE	ADIENE	DIS-	TOTAL	ERABLE	WATER	STYRENE	WAT, WH	WAT, WH	WAT, WH	WAT, WH	WAT, WH	WAT, WH	WAT, WH	WAT, WH	WAT, WH	WAT, WH
	TOTAL	TOTAL	TOTAL	SOLVED	(MG/L)	AS P)	AS HG)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(39508)	(39700)	(39702)	(70300)	(70507)	(71900)	(77093)	(77128)	(77168)	(77170)	(77173)							
MAR																		
13...	<0.100	<5.00	<5.00	202	0.050	<0.10	<0.200	<0.200	<0.200	<0.200	<0.200							
APR																		
01...	--	--	--	156	--	<0.10	--	--	--	--	--							
JUN																		
13...	--	--	--	258	0.040	<0.10	--	--	--	--	--							
SEP																		
04...	<0.100	<5.00	<0.200	232	0.200	<0.10	<0.200	<0.200	<0.200	<0.200	<0.200							

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 97

265552080085000 TURNPIKE BORROW CANAL ABOVE S-46 NEAR JUPITER, FL--continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	ISO-BENZENE		BENZENE		O-CHLORO-		METHANE		BENZENE		BENZENE		P-ISO-	
	124-TRI	PROPYL-	BENZENE	135-TRI	CHLORO-	TOLUENE	BROMO	BENZENE	SEC	TERT-	PROPYL-			
	METHYL	WATER	WATER	METHYL	WATER	WATER	WAT	WATER	WATER	WATER	WATER			
	UNFLT	WHOLE	UNFLTRD	UNFLTRD	WHOLE	UNFLTRD	UNFLTRD	UNFLTRD	UNFLTRD	UNFLTRD	UNFLTRD			
	RECOVER	REC	REC	REC	TOTAL	REC	REC	REC	REC	REC	REC			
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)			
	(77222)	(77223)	(77224)	(77226)	(77275)	(77277)	(77297)	(77342)	(77350)	(77353)	(77356)			
MAR														
13...	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200			
APR														
01...	--	--	--	--	--	--	--	--	--	--	--			
JUN														
13...	--	--	--	--	--	--	--	--	--	--	--			
SEP														
04...	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200			
DATE	123-TRI		ETHANE,		1,2,3-		1,2-		METHYL		DIBROMO		1,2-DI-	
	CHLORO-	1112-	TRI-	DIBROMO	FREON-	113	BUTYL	XYLENE	BENZENE	PROPANE	HYDRA-	CIFIC		
	PROPANE	TETRA-	CHLORO	ETHANE	WATER	ETHER	WAT UNF	UNFLTRD	WATER	WATER	ZINE	DUCT-		
	WHOLE	CHLORO-	BENZENE	WHOLE	UNFLTRD	WAT UNF	UNFLTRD	WHOLE,	WHOLE	WHOLE	WATER	ANCE		
	TOTAL	REC	REC	TOTAL	REC	REC	REC	TOTAL	TOT.REC	TOT.REC	LAB			
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(US/CM)			
	(77443)	(77562)	(77613)	(77651)	(77652)	(78032)	(81551)	(81555)	(82625)	(82626)	(90095)			
MAR														
13...	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<1.00	<5.00			347
APR														
01...	--	--	--	--	--	--	--	--	--	--	--			261
JUN														
13...	--	--	--	--	--	--	--	--	--	--	--			383
SEP														
04...	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<1.00	<5.00			386
DATE	ALKA-		SET		ETHANE		TOLUENE		BENZENE		JULIAN			
	LINITY	NUMBER	NUMBER	12DICL	D8	14BRFL-	SURROG	SURROG	SURROG	SURROG	DATE OF	SET		
	LAB	SCHED-	SCHED-	SURROG	VOC	VOC	VOC	SCHED-	SCHED-	OCALA	OCALA	NUMBER		
	(MG/L	ULE	ULE	UNFLTRD	UNFLTRD	UNFLTRD	ULE	ULE	ULE	SAMPLE	SAMPLE	VOC AN-		
	AS	1383	1608	REC	REC	REC	1383	1608	LOGIN	LOGIN	ALYSIS			
	CAC03)	(NO.)	(NO.)	PERCENT	PERCENT	PERCENT	(ML)	(ML)	ID	YYDDD	(NO.)			
	(90410)	(99813)	(99817)	(99832)	(99833)	(99834)	(99855)	(99866)	(99898)	(99899)	(99931)			
MAR														
13...	136	2927	2925	109	99.0	103	873	878	9600000	96075	--			
APR														
01...	89	--	--	--	--	--	--	--	9600000	96099	--			
JUN														
13...	139	--	--	--	--	--	--	--	9610000	96169	--			
SEP														
04...	153	3556	3557	112	102	98.0	892	870	9610000	96249	960910			

EVERGLADES AND SOUTHEASTERN COASTAL AREA

265437080103200 C-18 CANAL AT G-92 NEAR JUPITER, FL

WATER-QUALITY RECORDS

LOCATION.--Lat 26°54'37", long 80°10'32", in NW1/4NW1/4NW1/4 sec.17, T.41 S., R.42 E., Palm Beach County, Hydrologic Unit 03090202, upstream of G-92 at junction of C-5 and C-14 canals, 1.9 mi west of the Florida Turnpike.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1989 to current year.

REMARKS.--Site is part of South Indian River Water Control District water-quality monitoring network.

265437080103200 - C-18 CANAL AT G-92 NEAR JUPITER, FL
WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	BARO-							PH	PH	ALKA-
		METRIC		AGENCY		SPE-			WATER	WATER	LINITY
		PRES-	ANA-			COLOR	CIFIC		WHOLE	WHOLE	WAT WH
		TEMPER-	TEMPER-	SURE	LYZING	(PLAT-	CON-	OXYGEN,	FIELD	LAB	TOT FET
		ATURE	ATURE	(MM	SAMPLE	INUM-	DUCT-	DIS-	(STAND-	(STAND-	FIELD
		WATER	AIR	OF	(CODE	COBALT	ANCE	SOLVED	ARD	ARD	MG/L AS
		(DEG C)	(DEG C)	HG)	NUMBER)	UNITS)	(US/CM)	(MG/L)	UNITS)	UNITS)	CACO3
		(00010)	(00020)	(00025)	(00028)	(00080)	(00095)	(00300)	(00400)	(00403)	(00410)
JAN											
22...	1400	22.0	25.0	--	81213	50	476	9.5	7.1	8.1	170
APR											
05...	1400	26.0	29.0	--	81213	50	430	6.8	7.1	7.9	220
JUN											
19...	1030	30.0	30.0	757	81213	100	224	3.5	6.9	7.2	224
DATE		NITRO-							POTAS-	CHLO-	
		NITRO-	NITRO-	GEN,AM-	NITRO-			MAGNE-			
		GEN,	GEN,	MONIA +	GEN,	PHOS-	CALCIUM	SIUM,	SODIUM,	SIUM,	RIDE,
		AMMONIA	NITRITE	ORGANIC	NO2+NO3	PHORUS	DIS-	DIS-	DIS-	DIS-	DIS-
		TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED
		(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L
		AS N)	AS N)	AS N)	AS N)	AS P)	AS CA)	AS MG)	AS NA)	AS K)	AS CL)
		(00610)	(00615)	(00625)	(00630)	(00665)	(00915)	(00925)	(00930)	(00935)	(00940)
JAN											
22...	0.040	0.010	0.80	0.040	<0.020	70	3.9	24	1.4	39	
APR											
05...	0.030	0.010	0.79	0.040	0.040	61	3.9	21	1.4	38	
JUN											
19...	0.040	0.010	1.2	0.060	0.020	31	2.1	12	0.90	20	

265437080103200 C-18 CANAL AT G-92 NEAR JUPITER, FL--continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

		FLUO-	SILICA,	STRON-	SOLIDS,	PHOS-	SPE-			JULIAN
	SULFATE	RIDE,	DIS-	TIUM,	RESIDUE	PHORUS	CIFIC	ALKA-		DATE OF
	DIS-	DIS-	SOLVED	DIS-	DEG. C	ORTHO	DUCT-	LAB	OCALA	OCALA
	SOLVED	SOLVED	(MG/L	SOLVED	DIS-	TOTAL	ANCE	(MG/L	SAMPLE	SAMPLE
DATE	(MG/L	(MG/L	AS	(UG/L	SOLVED	(MG/L	LAB	AS	LOGIN	LOGIN
	AS SO4)	AS F)	SIO2)	AS SR)	(MG/L)	AS P)	(US/CM)	CACO3)	ID	YYDDD
	(00945)	(00950)	(00955)	(01080)	(70300)	(70507)	(90095)	(90410)	(99898)	(99899)
JAN										
22...	8.5	0.20	3.5	400	294	<0.010	481	177	9600000	96023
APR										
05...	12	0.10	4.0	380	256	0.020	425	142	9600000	96100
JUN										
19...	5.4	<0.10	4.1	170	166	0.030	227	76	9610000	96172

265352080120400 C-7 CANAL NEAR JUPITER, FL

WATER-QUALITY RECORDS

LOCATION.--Lat 26°53'52", long 80°12'04", in NW1/4NW1/4NE1/4 sec.24, T.41 S., R.41 E., Palm Beach County, Hydrologic Unit 03090202, at North 105th Avenue and 150th Court, 4.0 mi west of the Florida Turnpike.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1989 to current year.

REMARKS.--Site is part of South Indian River Water Control District water-quality monitoring network.

265352080120400 - C-7 CANAL NEAR JUPITER, FL
WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

		BARO-						PH		PH		ALKA-											
				METRIC		AGENCY				SPE-		WATER		WATER		LINITY							
				PRES-		ANA-		COLOR		CIFIC				WHOLE		WHOLE		WAT WH					
		TEMPER-		TEMPER-		SURE		LYZING		(PLAT-		CON-		OXYGEN,		FIELD		LAB		TOT FET			
		ATURE		ATURE		(MM		SAMPLE		INUM-		DUCT-		DIS-		(STAND-		(STAND-		FIELD			
DATE		TIME		WATER		AIR		OF		(CODE		COBALT		ANCE		SOLVED		ARD		ARD		MG/L AS	
				(DEG C)		(DEG C)		HG)		NUMBER)		UNITS)		(US/CM)		(MG/L)		UNITS)		UNITS)		CACO3	
				(00010)		(00020)		(00025)		(00028)		(00080)		(00095)		(00300)		(00400)		(00403)		(00410)	
JUN																							
19...		1400		30.5		32.0		756		81213		70		552		6.5		7.1		7.7		296	
SEP																							
11...		1200		27.5		34.0		756		81213		70		481		--		6.6		7.9		170	
						NITRO-																	
		NITRO-		NITRO-		GEN,AM-		NITRO-						MAGNE-				POTAS-		CHLO-			
		GEN,		GEN,		MONIA +		GEN,		PHOS-		CALCIUM		SIUM,		SODIUM,		SIUM,		RIDE,			
		AMMONIA		NITRITE		ORGANIC		NO2+NO3		PHORUS		DIS-		SOLVED		DIS-		DIS-		DIS-			
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		SOLVED		SOLVED		SOLVED		SOLVED		SOLVED			
DATE		(MG/L		(MG/L		(MG/L		(MG/L		(MG/L		(MG/L		(MG/L		(MG/L		(MG/L		(MG/L			
		AS N)		AS N)		AS N)		AS N)		AS P)		AS CA)		AS MG)		AS NA)		AS K)		AS CL)			
		(00610)		(00615)		(00625)		(00630)		(00665)		(00915)		(00925)		(00930)		(00935)		(00940)			
JUN																							
19...		0.030		0.010		0.79		<0.020		<0.020		79		4.2		29		1.6		52			
SEP																							
11...		0.320		<0.010		1.1		0.020		0.050		65		3.6		25		1.6		43			
								SOLIDS,						SPE-									
		FLUO-		SILICA,		STRON-		RESIDUE		PHOS-		CIFIC		ALKA-						JULIAN			
		SULFATE		RIDE,		DIS-		TIUM,		AT 180		PHORUS		CON-		LINITY				DATE OF			
		DIS-		DIS-		SOLVED		DIS-		DEG. C		ORTHO		DUCT-		LAB		OCALA		OCALA			
		SOLVED		SOLVED		(MG/L		SOLVED		DIS-		TOTAL		ANCE		(MG/L		SAMPLE		SAMPLE			
DATE		(MG/L		(MG/L		AS		(UG/L		SOLVED		(MG/L		LAB		AS		LOGIN		LOGIN			
		AS SO4)		AS F)		SIO2)		AS SR)		(MG/L		AS P)		(US/CM)		CACO3)		ID		YYDDD			
		(00945)		(00950)		(00955)		(01080)		(70300)		(70507)		(90095)		(90410)		(99898)		(99899)			
JUN																							
19...		9.8		0.20		10		380		348		0.020		558		202		9610000		96172			
SEP																							
11...		11		0.20		10		290		292		0.050		467		163		9610000		96256			

02278000 WEST PALM BEACH CANAL AT S-352, AT CANAL POINT, FL

LOCATION.--Lat 26°51'05", long 80°37'55", in NE1/4 sec.33, T.41 S., R.37 E., Palm Beach County, Hydrologic Unit 03090202, on south side of gate structure S-352 at Lake Okeechobee, 200 ft upstream from bridge on US 441 at Canal Point.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1940 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Jan. 14, 1954, nonrecording gage at site 550 ft downstream at same datum. Jan. 14, 1954 to Feb. 24, 1956, water-stage recorder, and Feb. 25, 1956, to Sept. 30, 1967, water-stage and deflection vane recorders all at present site and datum. May 1940, auxiliary water-stage recorder at old lock, 700 ft downstream from gate structure. August 1986 to December 1989, electromagnetic velocity meter. Digital water-stage recorder removed and satellite data collection platform installed Jan. 14, 1992.

REMARKS.--Records fair. No estimated daily discharge. Flow regulated at station by operation of gates. Flow occasionally reversed after periods of considerable rainfall because of downstream natural drainage and pumpage from agricultural lands in the Everglades (negative figures indicate flow reversed). Discharge computed from relations between discharge, head, and gate openings at gate structure S-352. Formerly published as West Palm Beach Canal at HGS-5, at Canal Point.

COOPERATION.--Gate record provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 54 complete water years of discharge (1941-96).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 18.99 ft Mar. 10, 1983; minimum observed, 8.48 ft June 15-17, 1952, at former site.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 18.82 ft Oct. 29; minimum, 14.66 ft May 26.

STATION NUMBER 02278000												
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.30	18.45	17.03	16.20	15.95	15.64	16.00	15.43	15.25	15.85	15.31	15.38
2	17.21	18.40	16.98	16.19	15.89	15.72	16.00	15.37	15.27	15.89	15.30	15.35
3	17.19	18.38	16.92	16.35	16.04	15.70	15.83	15.39	15.30	15.93	15.30	15.34
4	17.07	18.36	16.89	16.27	16.19	15.53	15.81	15.39	15.32	15.84	15.28	15.40
5	17.17	18.29	16.85	16.23	16.04	15.58	15.84	15.37	15.32	15.84	15.23	15.39
6	17.33	18.24	16.82	16.24	15.90	15.63	15.87	15.34	15.29	15.90	15.20	15.33
7	17.33	18.21	16.81	16.47	15.81	15.65	15.91	15.31	15.26	15.89	15.20	15.31
8	17.36	18.24	16.79	16.61	15.80	15.82	15.93	15.23	15.27	15.89	15.26	15.28
9	17.37	18.20	16.78	16.31	15.79	15.75	16.00	15.17	15.35	15.93	15.40	15.24
10	17.41	18.05	16.83	16.25	15.78	15.69	16.01	15.15	15.47	16.00	15.43	15.24
11	17.43	18.04	16.75	16.20	15.78	16.11	15.92	15.18	15.52	16.03	15.42	15.30
12	17.44	18.09	16.64	16.28	15.91	15.86	15.83	15.21	15.55	15.99	15.42	15.29
13	17.41	17.98	16.62	16.30	15.82	15.72	15.82	15.14	15.53	15.98	15.43	15.28
14	17.44	18.09	16.59	16.16	15.74	15.71	15.84	15.09	15.50	15.92	15.41	15.25
15	17.63	17.91	16.56	16.13	15.72	15.72	15.81	15.05	15.47	15.90	15.41	15.20
16	17.69	17.75	16.55	16.11	15.98	15.71	15.91	15.03	15.44	15.86	15.38	15.17
17	17.81	17.67	16.52	16.10	15.87	15.71	15.80	14.99	15.45	15.81	15.38	15.24
18	18.14	17.62	16.49	16.11	15.70	15.73	15.73	14.98	15.49	15.78	15.34	15.28
19	18.28	17.58	16.52	16.15	15.65	15.96	15.70	14.98	15.54	15.79	15.28	15.26
20	18.47	17.53	16.72	16.16	15.66	15.93	15.68	14.97	15.57	15.79	15.26	15.16
21	18.55	17.50	16.55	16.11	15.67	15.92	15.65	15.01	15.65	15.79	15.26	15.15
22	18.55	17.50	16.45	16.10	15.68	15.69	15.58	15.13	15.71	15.76	15.26	15.23
23	18.58	17.39	16.54	16.04	15.68	15.63	15.57	15.09	15.76	15.72	15.30	15.19
24	18.63	17.35	16.54	16.06	15.66	15.54	15.59	15.10	15.78	15.66	15.33	15.11
25	18.65	17.35	16.45	16.04	15.66	15.52	15.53	15.15	15.79	15.57	15.33	15.06
26	18.66	17.26	16.38	15.99	15.65	15.53	15.49	15.17	15.86	15.50	15.31	14.98
27	18.65	17.16	16.29	16.07	15.64	15.48	15.49	15.17	15.88	15.43	15.30	14.98
28	18.66	17.12	16.26	16.05	15.65	15.64	15.37	15.20	15.86	15.36	15.29	14.99
29	18.65	17.09	16.23	16.01	15.64	15.75	15.29	15.29	15.84	15.32	15.30	14.99
30	18.49	17.09	16.19	16.00	---	15.80	15.38	15.43	15.81	15.33	15.30	14.94
31	18.45	---	16.19	16.00	---	15.86	---	15.33	---	15.33	15.32	---
TOTAL	555.00	533.89	514.73	501.29	457.95	487.23	472.18	470.84	466.10	488.58	474.94	456.31
MEAN	17.90	17.80	16.60	16.17	15.79	15.72	15.74	15.19	15.54	15.76	15.32	15.21
MAX	18.66	18.45	17.03	16.61	16.19	16.11	16.01	15.43	15.88	16.03	15.43	15.40
MIN	17.07	17.09	16.19	15.99	15.64	15.48	15.29	14.97	15.25	15.32	15.20	14.94

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02278000 WEST PALM BEACH CANAL AT S-352, AT CANAL POINT, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	784	.00	796	.00	730	68	.00	.00	.00	.00	646	.00
2	776	.00	788	494	738	.00	.00	.00	.00	.00	584	.00
3	794	.00	786	706	746	.00	.00	.00	.00	.00	483	.00
4	796	.00	770	798	780	.00	.00	.00	.00	.00	412	.00
5	798	.00	766	790	768	.00	268	.00	178	.00	527	.00
6	252	.00	758	760	706	.00	368	.00	374	.00	620	.00
7	522	.00	760	756	660	.00	98	.00	360	.00	617	.00
8	786	398	782	760	656	.00	37	216	210	.00	401	.00
9	798	438	778	738	654	.00	.00	348	.00	.00	.00	.00
10	796	460	790	740	650	.00	.00	348	.00	.00	.00	.00
11	798	460	778	712	650	.00	178	338	.00	.00	.00	.00
12	802	464	758	700	666	.00	504	342	.00	.00	.00	.00
13	800	568	744	690	648	.00	564	340	.00	.00	.00	.00
14	456	564	754	666	574	.00	570	334	.00	.00	226	.00
15	.00	612	768	666	544	.00	564	102	.00	.00	200	.00
16	.00	602	752	684	574	.00	570	210	.00	.00	.00	.00
17	.00	578	758	700	586	.00	640	340	.00	.00	.00	.00
18	.00	566	744	702	586	.00	684	350	.00	426	.00	.00
19	.00	568	590	714	560	.00	676	338	.00	724	106	.00
20	.00	584	554	702	550	.00	680	128	.00	720	148	.00
21	.00	738	618	676	546	238	686	.00	.00	740	331	.00
22	.00	660	598	676	270	378	684	.00	.00	730	337	.00
23	.00	424	588	722	164	360	762	.00	.00	708	164	.00
24	.00	674	584	744	340	348	796	.00	.00	706	.00	.00
25	.00	800	584	734	342	348	708	.00	.00	710	.00	.00
26	.00	786	608	696	118	356	688	.00	.00	700	.00	152
27	.00	786	700	264	246	356	662	.00	.00	688	.00	318
28	.00	792	724	.00	293	112	644	.00	.00	692	.00	319
29	.00	798	728	524	176	.00	648	.00	.00	690	.00	315
30	.00	794	730	708	---	.00	208	.00	.00	690	.00	141
31	.00	---	274	708	---	.00	---	.00	---	686	.00	---
TOTAL	9958.00	14114.00	21710	19930.00	15521	2564.00	12887.00	3734.00	1122.00	9610.00	5802.00	1245.00
MEAN	321	470	700	643	535	82.7	430	120	37.4	310	187	41.5
MAX	802	800	796	798	780	378	796	350	374	740	646	319
MIN	.00	.00	274	.00	118	.00	.00	.00	.00	.00	.00	.00
AC-FT	19750	28000	43060	39530	30790	5090	25560	7410	2230	19060	11510	2470

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1996, BY WATER YEAR (WY)

MEAN	67.0	159	213	203	223	232	311	283	87.0	31.0	80.8	3.29
MAX	493	470	700	685	637	610	678	743	589	706	1156	1183
(WY)	1995	1996	1996	1960	1949	1949	1993	1965	1979	1992	1959	1959
MIN	-350	-247	-77.0	-13.6	-80.6	-21.2	-99.6	-170	-1130	-939	-528	-813
(WY)	1951	1964	1964	1941	1941	1982	1962	1976	1942	1947	1953	1945

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1940 - 1996

ANNUAL TOTAL	122196.00	118197.00	
ANNUAL MEAN	335	323	
HIGHEST ANNUAL MEAN			160
LOWEST ANNUAL MEAN			374
HIGHEST DAILY MEAN	962	802	1610
LOWEST DAILY MEAN	.00	.00	-1760
ANNUAL SEVEN-DAY MINIMUM	.00	.00	-1640
ANNUAL RUNOFF (AC-FT)	242400	234400	115900
10 PERCENT EXCEEDS	789	759	522
50 PERCENT EXCEEDS	274	269	56
90 PERCENT EXCEEDS	.00	.00	.00

02278002 WEST PALM BEACH CANAL BELOW S-352, AT CANAL POINT, FL

LOCATION.--Lat 26°51'45", long 80°37'50", in NE1/4 sec.33, T.41 S., R.37 E., Palm Beach County, Hydrologic Unit 03090202, at northwest corner of old lock, 500 ft downstream from bridge on US 441 at Canal Point.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 1940 to current year (gage heights only). Records of gage heights prior to October 1962 are available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to June 30, 1940 nonrecording gage at same site at datum 1.21 ft lower.

REMARKS.--Water level materially affected by operation of gate structure S-352, 700 ft upstream and pumping at structure 5-A, 20 mi downstream, and to lesser degree by local pumping and drainage for agricultural purposes. Formerly published as West Palm Beach Canal below HGS-5, at Canal Point.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 18.70 ft Oct. 12, 1947; minimum, 6.90 ft observed, Oct. 28, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 13.93 ft Oct. 18; minimum, 8.55 ft June 18.

STATION NUMBER 02278002
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.27	10.51	11.87	10.60	11.59	11.65	10.87	10.72	9.61	10.60	11.60	9.43
2	12.29	10.25	11.91	11.25	11.45	11.49	9.50	10.77	9.69	10.37	11.60	9.63
3	12.03	9.76	11.87	12.27	11.50	11.26	10.76	10.82	9.78	10.01	11.42	9.98
4	11.91	9.83	12.04	12.22	11.21	11.23	10.49	10.91	9.59	9.45	11.43	10.47
5	11.97	10.83	12.05	11.74	11.23	11.25	10.47	9.93	9.93	9.86	11.55	10.69
6	11.49	11.06	12.12	11.52	11.83	11.00	11.46	10.25	10.75	11.05	11.77	10.76
7	10.58	11.10	12.10	11.80	12.25	10.90	11.07	10.70	11.05	10.25	11.87	10.75
8	12.31	11.82	11.80	11.89	12.29	10.88	10.67	10.94	10.85	9.83	11.36	11.20
9	12.16	11.95	11.84	11.87	12.29	10.09	10.66	11.22	10.68	9.56	10.33	10.65
10	12.22	11.15	11.74	11.78	12.33	9.40	9.97	11.21	9.94	9.23	10.67	9.42
11	12.22	11.11	11.81	12.05	12.33	9.72	9.94	11.46	9.98	9.49	9.97	9.93
12	12.20	11.07	11.96	12.27	12.29	11.58	11.35	11.39	8.98	9.98	9.61	9.25
13	12.18	11.32	12.11	12.42	12.38	9.84	11.76	11.37	9.18	10.62	10.02	9.92
14	11.62	11.51	11.95	12.54	12.20	10.47	11.70	11.43	9.01	10.25	10.54	10.07
15	10.66	11.65	11.75	12.51	11.94	10.30	11.75	11.23	9.83	10.15	11.16	10.86
16	11.40	11.71	11.93	12.30	11.77	10.44	11.75	11.02	10.01	10.10	10.79	11.06
17	12.65	12.09	11.82	12.10	11.48	10.24	11.77	11.23	10.36	9.59	10.40	10.83
18	13.87	12.30	11.96	12.08	11.32	10.57	11.92	10.96	10.07	10.19	10.19	10.40
19	13.70	12.20	11.92	12.00	11.64	10.53	11.96	11.23	9.68	11.50	10.49	10.60
20	13.54	11.84	11.50	12.14	11.81	10.50	11.90	11.25	9.25	11.57	10.62	10.21
21	12.90	11.94	11.69	12.38	11.87	10.49	11.82	11.21	10.35	11.33	11.12	10.08
22	11.71	12.07	11.89	12.35	11.59	11.02	11.76	11.73	10.68	11.40	11.30	10.87
23	10.58	11.49	12.14	11.80	11.42	11.39	11.86	9.88	9.61	11.62	10.88	11.64
24	9.99	12.01	12.18	11.54	11.91	11.60	12.00	9.54	10.31	11.60	10.37	11.12
25	9.53	12.13	12.11	11.63	11.84	11.55	11.93	10.11	10.33	11.45	10.27	10.25
26	9.22	12.22	11.64	12.04	11.56	11.38	11.64	9.63	9.47	11.50	10.09	10.64
27	9.09	12.11	11.51	11.58	11.44	11.35	11.91	10.27	8.96	11.57	9.88	11.41
28	8.95	11.99	11.97	9.98	11.74	11.47	11.98	10.56	9.85	11.45	9.98	11.66
29	9.09	11.90	11.89	10.79	11.60	11.27	11.87	10.37	10.46	11.44	10.41	11.75
30	8.86	11.95	11.84	11.91	---	11.22	11.37	9.94	11.03	11.43	9.99	11.73
31	9.18	---	11.62	11.89	---	12.38	---	9.61	---	11.48	9.41	---
TOTAL	352.37	344.87	368.53	367.24	342.10	338.46	339.86	332.89	299.27	329.92	331.09	317.26
MEAN	11.37	11.50	11.89	11.85	11.80	10.92	11.33	10.74	9.98	10.64	10.68	10.58
MAX	13.87	12.30	12.18	12.54	12.38	12.38	12.00	11.73	11.05	11.62	11.87	11.75
MIN	8.86	9.76	11.50	9.98	11.21	9.40	9.50	9.54	8.96	9.23	9.41	9.25

265501080364900 LEVEE 8 CANAL NEAR CANAL POINT, FL

LOCATION.--Lat 26°55'01", long 80°36'49", in SE1/4 sec.10, T.41S., R.37 E., Palm Beach County, Hydrologic Unit 03090202, on west side of US 441 bridge, 3.6 mi northeast of Canal Point, and 4.8 mi south of Port Mayaca, at Sand Cut.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1976 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated discharges, which are poor. Flow regulated by gated structure at Lake Okeechobee. Flow reverses during and after periods of heavy rainfall because of pumpage into the canal from agricultural lands in the Everglades (negative figures indicate flow towards Lake Okeechobee).

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 15 complete years of discharge (1977-89, 1996).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 19.39 ft.; Oct. 19, 1995; minimum, 8.80 ft Nov. 1, 4, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 19.39 ft. Oct. 19; minimum, 11.90 ft. July 5.

STATION NUMBER 265501080364900
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.02	17.45	14.55	14.96	14.72	---	16.17	15.50	15.30	13.86	14.51	14.65
2	14.15	17.34	14.78	14.99	14.61	---	16.17	15.42	15.29	13.90	14.76	14.50
3	14.53	16.82	14.76	15.03	14.63	---	15.90	15.46	15.31	13.10	15.06	14.58
4	14.59	16.40	14.76	15.10	14.39	---	15.82	15.46	14.56	12.30	15.27	14.77
5	14.61	15.72	14.74	15.00	14.35	15.32	15.85	15.42	13.07	12.33	15.36	14.71
6	15.39	15.01	15.13	15.01	14.35	15.14	15.95	15.38	12.69	13.46	15.32	14.64
7	15.98	14.39	15.13	15.05	14.46	15.14	15.96	15.37	12.64	15.97	15.36	14.73
8	15.46	13.99	15.12	15.00	14.90	15.28	16.04	15.25	12.52	16.34	15.40	14.80
9	15.04	13.94	15.15	14.90	15.14	15.51	16.18	15.21	12.66	15.07	15.57	15.02
10	14.70	13.67	15.26	14.84	15.22	15.68	16.10	15.17	14.01	14.06	15.59	14.93
11	13.99	13.34	15.19	14.93	15.31	15.99	15.86	15.21	15.68	13.64	15.56	e15.19
12	13.41	13.00	15.14	14.81	15.41	16.06	15.71	15.28	15.91	14.58	15.46	15.29
13	13.39	13.18	15.12	14.75	15.57	15.91	15.43	15.18	15.98	14.68	15.55	15.19
14	13.94	13.87	14.99	14.74	15.64	15.89	15.27	15.12	15.69	14.44	15.50	15.12
15	14.56	13.95	14.95	14.72	15.70	15.88	15.22	15.13	14.93	14.14	15.51	15.05
16	15.47	14.05	14.94	14.83	15.53	15.88	15.13	15.09	14.13	13.97	15.44	14.95
17	16.93	14.00	14.92	14.74	15.78	15.86	15.07	14.98	13.98	13.98	15.03	15.14
18	18.90	14.06	14.94	14.71	15.71	15.86	15.17	14.99	13.96	13.48	14.40	15.40
19	19.04	13.84	14.88	14.73	15.70	15.94	15.77	15.01	13.40	12.83	13.80	15.39
20	18.95	13.99	14.86	14.83	15.58	16.02	15.78	15.02	13.05	12.85	13.20	15.29
21	18.94	14.67	14.84	14.83	15.16	16.03	15.72	15.05	12.94	12.59	12.99	15.25
22	18.88	14.73	14.84	14.84	15.24	15.81	15.64	15.21	12.96	13.03	12.83	15.35
23	18.97	14.68	14.90	14.94	15.36	15.57	15.57	15.13	12.69	14.13	13.78	15.36
24	18.96	14.66	14.88	14.86	15.21	15.46	15.57	15.08	12.56	14.13	14.39	15.27
25	18.94	14.60	14.83	14.77	15.13	15.42	15.55	15.07	12.72	14.06	14.96	15.15
26	18.96	14.56	14.77	14.71	15.06	15.21	15.51	15.10	12.68	13.97	15.31	14.96
27	18.91	14.57	14.84	14.73	15.00	15.08	15.48	15.14	12.53	13.99	15.34	14.70
28	18.88	14.56	14.90	14.69	14.89	15.33	15.37	15.27	13.72	14.00	15.29	15.07
29	18.56	14.62	14.91	14.65	14.77	15.82	15.33	15.41	13.84	13.85	15.21	15.11
30	17.89	14.67	14.99	14.63	---	15.91	15.45	15.62	13.83	13.67	15.17	15.04
31	17.50	---	14.96	14.68	---	16.03	---	15.48	---	13.82	14.73	---
TOTAL	512.44	438.33	462.97	460.00	438.52	---	469.74	472.21	415.23	430.22	461.65	450.60
MEAN	16.53	14.61	14.93	14.84	15.12	---	15.66	15.23	13.84	13.88	14.89	15.02
MAX	19.04	17.45	15.26	15.10	15.78	---	16.18	15.62	15.98	16.34	15.59	15.40
MIN	13.39	13.00	14.55	14.63	14.35	---	15.07	14.98	12.52	12.30	12.83	14.50

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 105

265501080364900 LEVEE 8 CANAL NEAR CANAL POINT, FL
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	153	-45	331	256	260	---	-189	89	121	-28	158	151
2	148	-7.1	355	254	265	---	-244	153	246	-30	129	167
3	142	-28	358	265	271	---	-9.6	135	293	-28	83	157
4	139	-27	351	253	304	---	50	135	131	-16	9.9	141
5	146	.63	351	268	295	141	51	202	-8.1	-11	-68	146
6	60	-17	328	263	282	185	-28	244	-8.6	-20	-63	149
7	-1.3	-30	324	277	271	184	-31	152	-6.9	-302	-110	136
8	21	-24	323	296	220	176	-69	286	-7.9	-521	-112	122
9	25	-9.9	315	284	190	94	-217	282	-13	-3.1	-137	74
10	21	-10	306	288	173	-18	-81	281	-23	-14	-118	95
11	11	-14	279	275	159	6.9	81	276	-186	-21	-114	e59
12	8.4	-11	274	293	156	-370	120	184	-400	-24	-80	-13
13	-2.9	90	276	297	97	-250	189	207	-509	-20	-108	44
14	.18	155	283	294	68	-187	216	231	-160	-11	-67	59
15	-23	156	284	293	37	-156	222	86	-11	-13	-76	69
16	-36	162	280	270	153	-165	246	166	-5.7	-10	-45	85
17	-119	159	284	279	52	-120	244	323	5.7	-9.3	-15	7.8
18	-1160	151	280	279	-15	-85	392	284	5.9	-7.9	-7.6	-144
19	-1150	154	286	279	-2.1	4.9	226	249	-6.8	-12	-7.8	-177
20	-765	253	300	270	70	-103	143	203	-17	-19	-13	-171
21	-677	323	301	267	182	-101	250	190	-19	-20	-12	-87
22	-617	317	300	262	164	-105	273	95	-22	116	110	-120
23	-625	319	293	251	139	83	413	192	-18	228	216	-240
24	-592	312	299	255	165	98	428	322	-15	227	170	-226
25	-517	317	298	259	171	107	356	391	-18	225	101	-86
26	-504	318	294	264	184	167	361	397	-21	223	-9.7	-1.1
27	-411	318	282	263	196	184	386	361	-21	213	-24	87
28	-313	316	275	271	213	155	364	96	-33	208	3.6	-68
29	-87	306	269	274	227	-44	319	-60	-30	214	39	-112
30	-79	301	259	271	---	-103	237	-341	-19	227	32	-104
31	-69	---	256	264	---	-212	---	-290	---	213	137	---
TOTAL	-6873.62	4204.63	9294	8434	4946.9	---	4698.4	5521	-771.27	953.7	1.4	199.7
MEAN	-222	140	300	272	171	---	157	178	-25.7	30.8	.045	6.66
MAX	153	323	358	297	304	---	428	397	293	228	216	167
MIN	-1160	-45	256	251	-15	---	-244	-341	-509	-521	-137	-240
AC-FT	-13630	8340	18430	16730	9810	---	9320	10950	-1530	1890	2.8	396

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1996, BY WATER YEAR (WY)

MEAN	-67.9	-2.35	49.9	50.9	43.3	40.4	105	140	-9.28	-91.7	-101	-128
MAX	365	192	359	363	318	200	393	349	227	111	160	42.4
(WY)	1989	1989	1989	1989	1989	1985	1987	1987	1987	1979	1977	1987
MIN	-322	-313	-182	-107	-177	-107	-226	-93.6	-377	-693	-421	-605
(WY)	1994	1988	1978	1987	1994	1982	1991	1982	1991	1991	1994	1981

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

WATER YEARS 1976 - 1996

ANNUAL TOTAL	19716.38	
ANNUAL MEAN	54.0	13.4
HIGHEST ANNUAL MEAN		125
LOWEST ANNUAL MEAN		-113
HIGHEST DAILY MEAN	358	766
LOWEST DAILY MEAN	-1160	-1400
ANNUAL SEVEN-DAY MINIMUM	-798	-1160
ANNUAL RUNOFF (AC-FT)	39110	9700
10 PERCENT EXCEEDS	279	213
50 PERCENT EXCEEDS	21	.00
90 PERCENT EXCEEDS	-45	-216

e Estimated

02278450 WEST PALM BEACH CANAL ABOVE S-5A, NEAR LOXAHATCHEE, FL

LOCATION.--Lat 26°41'05", long 80°22'15", in SW1/4 sec.32, T.43 S., R.43 E., Palm Beach County, Hydrologic Unit 03090202, near south bank, 500 ft upstream from pump station S-5A, 0.3 mi upstream from Levee 8 Canal, 1.1 mi downstream from bridge on US 441 and Cross Canal, and 6 mi west of Loxahatchee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1957 to current year.

REVISED RECORDS.--WDR FL-93-2A: 1983.

GAGE.--Water-stage recorder, gate-opening indicator, and pump tachometer. Datum of gage is National Geodetic Vertical Datum of 1929 (South Florida Water Management District bench mark). Prior to Sept. 30, 1967, deflection vane recorder at same site and auxiliary water-stage recorder at control structure 5A-W, 0.3 mi downstream. Prior to October 1981, all gages at datum 0.24 ft higher.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated primarily by pumpage at S-5A and to a lesser extent by operation of control structure 5A-W. Major regulation above the station occurs in Cross Canal, 1.5 mi upstream, and at Lake Okeechobee, 20 mi upstream. Discharge is the difference between pumpage at S-5A and gate discharge at S-5A-W. Negative figures indicate flow to the west. See records on Diversions to Conservation Area No. 1 at S-5A, near Loxahatchee (station 02278500; pump station S-5A, upper), for table of daily gage height and extremes for period of record.

COOPERATION.--Gate-opening and pump records provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 39 complete water years of discharge (1958-96).

SEE FOLLOWING PAGE FOR TABLE OF DISCHARGE

02278450 WEST PALM BEACH CANAL ABOVE S-5A, NEAR LOXAHATCHEE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	214	497	.00	603	.00	3380	.00	554	1110	.00	65
2	751	172	.00	477	475	.00	1090	.00	.00	.00	.00	.00
3	674	161	603	751	.00	.00	.00	62	.00	.00	.00	.00
4	644	-570	490	767	.00	.00	45	1170	.00	.00	.00	.00
5	588	-485	499	510	.00	.00	.00	321	.00	.00	.00	.00
6	1340	-148	.00	.00	.00	.00	.00	.00	.00	2220	.00	-75
7	258	.00	634	.00	.00	.00	.00	.00	10	2870	.00	-182
8	1340	749	412	706	.00	.00	548	.00	.00	2580	44	-125
9	1410	974	.00	514	31	.00	787	.00	518	1950	529	1950
10	1420	601	483	509	.00	.00	695	31	2330	1360	.00	2080
11	605	.00	491	.00	.00	285	75	.00	2680	434	684	2390
12	719	509	.00	889	.00	2210	.00	.00	1750	.00	20	1620
13	589	.00	.00	.00	.00	978	.00	.00	2000	.00	.00	726
14	858	602	545	.00	.00	.00	.00	.00	1170	744	.00	.00
15	1440	488	504	.00	10	.00	.00	.00	524	.00	.00	.00
16	2980	469	.00	894	519	.00	.00	.00	552	.00	.00	.00
17	3880	500	524	732	.00	.00	.00	42	399	.00	.00	.00
18	4510	510	.00	644	.00	.00	.00	.00	764	.00	.00	90
19	4760	616	296	512	.00	.00	.00	.00	.00	.00	.00	.00
20	4670	509	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	4170	516	.00	.00	.00	.00	.00	.00	.00	.00	-85	.00
22	3170	509	.00	751	.00	.00	-106	2680	883	.00	-94	.00
23	2530	.00	.00	619	52	.00	-186	2580	616	.00	-47	.00
24	1970	643	.00	503	.00	.00	-76	926	.00	.00	.00	.00
25	1350	523	.00	.00	.00	.00	.00	734	.00	.00	.00	.00
26	1080	509	679	.00	.00	.00	107	1100	.00	.00	556	-123
27	620	519	.00	679	.00	.00	.00	766	.00	.00	619	-68
28	570	486	.00	.00	.00	52	.00	647	.00	.00	674	.00
29	280	492	710	.00	.00	.00	.00	1750	.00	.00	.00	.00
30	315	324	.00	.00	---	.00	.00	2170	.00	.00	655	.00
31	-295	---	.00	723	---	2370	---	1040	---	.00	114	---
TOTAL49196.00 10392.00 7367.00 11180.00 1690.00 5895.00 6359.00 16019.00 14750.00 13268.00 3669.00 8348.00												
MEAN	1587	346	238	361	58.3	190	212	517	492	428	118	278
MAX	4760	974	710	894	603	2370	3380	2680	2680	2870	684	2390
MIN	-295	-570	.00	.00	.00	.00	-186	.00	.00	.00	-94	-182
AC-FT	97580	20610	14610	22180	3350	11690	12610	31770	29260	26320	7280	16560

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1996, BY WATER YEAR (WY)

MEAN	454	237	207	342	275	313	235	305	505	540	655	752
MAX	1587	1381	907	2149	1321	1588	840	1174	1865	1309	1894	2040
(WY)	1996	1988	1995	1958	1983	1970	1960	1976	1968	1988	1959	1959
MIN	-408	-230	-242	-148	-180	-69.3	-165	-381	-101	-98.8	-162	-107
(WY)	1989	1990	1985	1985	1985	1975	1986	1983	1987	1979	1984	1970

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1958 - 1996

ANNUAL TOTAL	177986.00	148133.00	
ANNUAL MEAN	488	405	402
HIGHEST ANNUAL MEAN			716
LOWEST ANNUAL MEAN			150
HIGHEST DAILY MEAN	4760	Oct 19	4760
LOWEST DAILY MEAN	-570	Nov 4	-570
ANNUAL SEVEN-DAY MINIMUM	-136	Oct 31	-136
ANNUAL RUNOFF (AC-FT)	353000	293800	291400
10 PERCENT EXCEEDS	1330	1170	1370
50 PERCENT EXCEEDS	258	.00	126
90 PERCENT EXCEEDS	.00	.00	-75

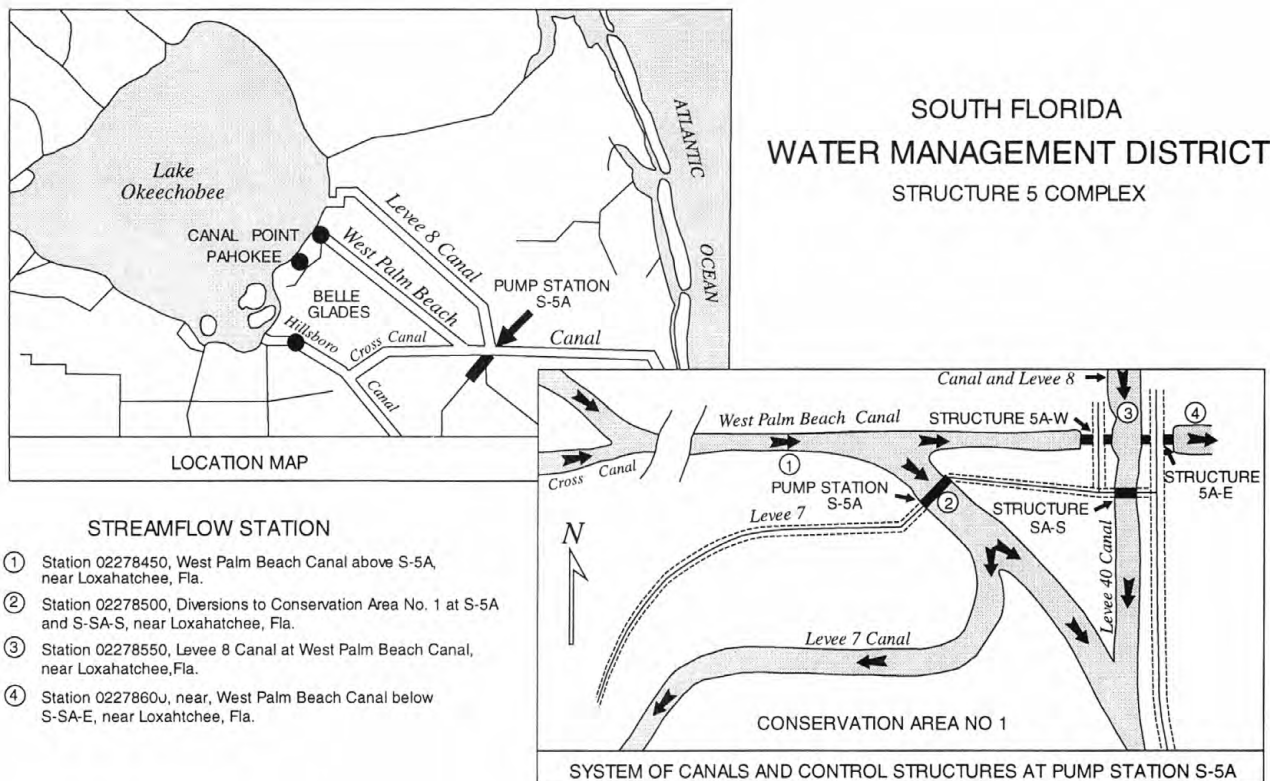


FIGURE 7. South Florida Water Management District, Structure 5 Complex.

02278500 DIVERSIONS TO CONSERVATION AREA NO. 1 AT S-5A AND S-5A-S, NEAR LOXAHATCHEE, FL

LOCATION.--Lat 26°41'00", long 80°22'10", in SW1/4 sec.32, T.43 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, at pump station S-5A, 1.5 mi downstream from Cross Canal, and 6 mi west of Loxahatchee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1957 to current year. Records of gage heights prior to October 1961 are available in files of the U.S. Geological Survey.

GAGE.--Digital water-stage recorder, satellite data collection platform with water-stage shaft encoder and gate-opening indicator and pump tachometer. Datum of gage is National Geodetic Vertical Datum of 1929 (South Florida Water Management District bench mark). Prior to Sept. 30, 1967, auxiliary deflection vane recorder 500 ft upstream and in Levee 8 Canal, and auxiliary water-stage recorder upstream from S-5A-W and downstream from S-5A-E. Prior to October 1981, all gages at datum 0.24 ft higher.

REMARKS.--No estimated daily discharges for the year. Records fair. Normal flow is considered as that to the south into Conservation Area No. 1. Flow is controlled by S-5A pumpage, syphoning, gate operation of S-5A-S, and regulation of Cross Canal, 1.5 mi upstream, and gate structure S-352, 20 mi upstream. Negative figures indicate releases from gate S-5A-S when stage in the conservation area is higher than stage in Levee 8 Canal. The discharge is summation of S-5A pumpage, syphoning and S-5A-S gate flow. Stage determined from either of 2 sources, digital recorder at 02278500 or DCP stage from 02278520 station.

COOPERATION.--Gate-opening and pump records provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 39 complete water years of discharge (1958-96).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.26 ft present datum, Oct. 3, 1957; minimum, 6.86 ft Oct. 28, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 12.55 ft Mar 31; minimum, 8.47 ft May 30.

SEE THE FOLLOWING PAGES FOR THE TABLES OF STAGE AND DISCHARGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02278500 DIVERSIONS TO CONSERVATION AREA NO. 1 AT S-5A AND S-5A-S, NEAR LOXAHATCHEE, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.27	10.32	9.68	10.62	9.78	11.73	9.15	10.86	9.49	10.21	10.62	9.58
2	10.60	10.02	10.28	9.93	9.62	11.67	9.39	10.88	9.82	10.50	10.81	9.79
3	10.08	9.69	9.90	10.37	10.29	11.39	10.81	10.92	9.90	10.16	10.82	10.16
4	9.94	10.02	9.87	10.35	10.27	11.21	10.53	10.64	9.73	9.58	10.98	10.69
5	9.87	10.93	9.94	9.93	10.01	11.27	10.22	9.97	9.81	9.88	10.91	10.88
6	9.75	11.18	10.51	10.31	10.88	11.09	11.12	10.38	10.43	9.70	10.99	10.92
7	9.20	11.21	9.95	10.99	11.51	11.01	11.10	10.79	10.69	9.07	11.11	10.92
8	9.57	10.71	9.56	10.24	11.60	11.09	10.48	10.79	10.67	8.98	10.91	11.37
9	9.01	10.59	10.20	9.95	11.60	10.29	10.43	10.88	10.57	9.06	10.26	10.17
10	8.97	9.74	9.86	9.83	11.68	9.59	9.91	10.96	8.99	9.02	10.78	9.05
11	9.46	10.22	9.66	10.85	11.69	9.85	9.71	11.33	8.98	9.46	9.82	9.14
12	10.02	9.87	10.29	10.38	11.63	10.17	10.58	11.38	8.87	10.08	9.77	9.03
13	9.94	10.35	10.78	11.52	11.72	9.44	10.93	11.20	9.01	10.70	10.17	9.82
14	10.03	9.92	10.16	11.71	11.59	10.52	10.95	11.22	9.08	10.01	10.36	10.20
15	9.48	9.79	9.74	11.72	11.46	10.36	10.93	11.23	9.85	10.09	11.06	10.94
16	8.97	9.83	10.54	10.49	11.07	10.55	11.04	10.93	9.93	10.14	10.93	11.15
17	9.98	9.87	10.13	10.40	11.05	10.30	10.84	11.03	10.50	9.67	10.54	10.97
18	10.60	10.02	10.50	10.01	10.81	10.52	10.87	10.83	9.72	9.63	10.33	10.57
19	9.89	9.93	10.60	10.35	11.08	10.79	10.91	11.14	9.83	10.57	10.40	10.78
20	9.17	9.93	10.70	11.05	11.34	10.69	10.86	11.27	9.42	10.67	10.48	10.37
21	9.06	9.74	10.92	11.48	11.45	10.38	10.82	11.17	10.52	10.56	10.71	10.24
22	9.12	9.96	11.19	10.55	11.50	10.64	10.75	10.49	10.47	10.42	10.96	11.06
23	9.01	10.50	11.44	9.99	11.39	11.14	10.71	9.04	9.64	10.59	10.70	11.80
24	8.92	9.90	11.70	9.73	11.72	11.33	10.87	9.33	10.45	10.60	10.51	11.24
25	8.98	9.89	11.60	10.32	11.65	11.23	11.08	9.91	10.46	10.51	10.42	10.38
26	8.91	9.87	10.39	11.11	11.59	11.11	10.87	9.64	9.63	10.48	10.03	10.62
27	8.95	9.83	10.34	11.05	11.34	10.99	11.21	10.18	9.18	10.66	9.87	11.29
28	8.93	9.69	10.94	10.07	11.61	11.43	11.31	10.39	10.00	10.68	9.85	11.57
29	9.15	9.68	10.29	9.82	11.66	11.40	11.20	9.72	10.57	10.54	10.57	11.67
30	8.88	10.02	10.73	10.83	---	11.34	11.18	9.04	11.11	10.40	9.93	11.79
31	9.31	---	11.26	10.33	---	11.28	---	9.43	---	10.48	9.55	---
TOTAL	295.02	303.22	323.65	326.28	324.59	335.80	320.76	326.97	297.32	313.10	325.15	318.16
MEAN	9.52	10.11	10.44	10.53	11.19	10.83	10.69	10.55	9.91	10.10	10.49	10.61
MAX	11.27	11.21	11.70	11.72	11.72	11.73	11.31	11.38	11.11	10.70	11.11	11.80
MIN	8.88	9.68	9.56	9.73	9.62	9.44	9.15	9.04	8.87	8.98	9.55	9.03

02278500 DIVERSIONS TO CONSERVATION AREA NO. 1 AT S-5A AND S-5A-S, NEAR LOXAHATCHEE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	908	497	-424	152	.00	3380	.00	554	1110	-46	65
2	751	1020	.00	51	-3.0	.00	1090	.00	.00	.00	.00	.00
3	674	764	603	337	-471	.00	.00	62	.00	.00	.00	.00
4	644	.00	490	357	-467	.00	45	1170	.00	.00	.00	.00
5	588	.00	196	89	-478	.00	.00	321	-106	-145	.00	.00
6	1340	.00	-566	-426	-482	.00	.00	.00	-232	2020	.00	.00
7	566	.00	206	-414	-456	.00	.00	.00	-218	2870	.00	.00
8	1850	749	-20	281	-357	.00	548	.00	-234	3100	44	.00
9	2070	974	-425	55	-191	.00	787	.00	297	2770	529	1950
10	2050	601	66	54	-76	.00	695	31	2330	2040	.00	2080
11	977	.00	75	-457	-72	285	75	.00	2680	779	684	2390
12	756	509	-418	426	-26	2210	.00	.00	1750	.00	20	1620
13	654	.00	-426	-462	.00	978	.00	.00	2330	.00	.00	726
14	1030	602	95	-467	.00	.00	.00	.00	1660	744	.00	.00
15	1650	488	50	-466	10	.00	.00	.00	853	.00	.00	.00
16	3630	469	-458	425	519	.00	.00	.00	644	.00	.00	.00
17	4400	500	64	256	.00	.00	.00	42	399	.00	.00	.00
18	5270	510	-463	170	.00	.00	.00	.00	764	.00	.00	90
19	6520	616	-172	56	.00	.00	.00	.00	.00	-143	.00	.00
20	6630	509	-462	-435	.00	.00	.00	.00	.00	-220	.00	.00
21	6150	516	-466	-429	.00	.00	.00	.00	.00	-228	.00	.00
22	5770	509	-465	317	.00	.00	.00	2680	883	-129	.00	.00
23	5660	.00	-453	174	52	.00	.00	2580	616	.00	.00	.00
24	4790	643	-454	41	.00	.00	.00	926	.00	.00	.00	.00
25	3420	523	-461	-470	.00	.00	.00	734	-155	.00	.00	.00
26	2820	509	215	-468	.00	.00	107	1100	-242	.00	556	.00
27	2280	519	-439	220	.00	.00	.00	766	-361	.00	619	47
28	2110	486	-431	-467	.00	52	.00	647	-177	.00	674	.00
29	1610	492	282	-471	.00	.00	.00	1750	.00	.00	.00	.00
30	1300	324	-428	-471	---	.00	.00	2170	.00	.00	655	.00
31	415	---	-425	261	---	2370	---	1040	---	-107	114	---
TOTAL	78375.00	13740.00	-4593.00	-2757	-2346.00	5895.00	6727.00	16019.00	14035.00	14461.00	3849.00	8968.00
MEAN	2528	458	-148	-88.9	-80.9	190	224	517	468	466	124	299
MAX	6630	1020	603	426	519	2370	3380	2680	2680	3100	684	2390
MIN	.00	.00	-566	-471	-482	.00	.00	.00	-361	-228	-46	.00
AC-FT	155500	27250	-9110	-5470	-4650	11690	13340	31770	27840	28680	7630	17790

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1996, BY WATER YEAR (WY)

MEAN	566	214	132	273	182	234	132	266	525	526	658	851
MAX	2528	1719	1063	2605	1478	1992	820	1440	2750	1592	1728	2637
(WY)	1996	1988	1995	1958	1983	1970	1991	1984	1968	1968	1974	1960
MIN	-204	-870	-537	-460	-456	-137	-326	-184	-300	-136	-141	18.2
(WY)	1981	1992	1992	1984	1987	1979	1995	1994	1989	1989	1984	1961

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1958 - 1996

ANNUAL TOTAL	176850.00	152373.00	
ANNUAL MEAN	485	416	
HIGHEST ANNUAL MEAN			381
LOWEST ANNUAL MEAN			660
HIGHEST DAILY MEAN	6630	Oct 20	7040
LOWEST DAILY MEAN	-838	Apr 11	-2200
ANNUAL SEVEN-DAY MINIMUM	-771	Apr 8	-1570
ANNUAL RUNOFF (AC-FT)	350800	302200	275800
10 PERCENT EXCEEDS	1710	1650	1510
50 PERCENT EXCEEDS	75	.00	.00
90 PERCENT EXCEEDS	-434	-358	-16

02278501 CONSERVATION AREA NO. 1 BELOW S-5 COMPLEX, NEAR LOXAHATCHEE, FL

LOCATION.--Lat 26°41'00", long 80°22'10", in SW1/4 sec.32, T.43 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, at pump station S-5A, 1.5 mi downstream from Cross Canal, and 6 mi west of Loxahatchee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1955 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (South Florida Water Management District bench marks). Prior to October 1981 at datum 0.24 ft higher.

REMARKS.--No estimated daily discharges for the year. Records fair. Gage records water level in Conservation Area No. 1 at structure 5 complex. Stage is affected by pumping at S-5A and S-6 and the operation of gated-control structures in levees 39 and 40. Discharge for S-5A-S is stored under this station number in ADAPS starting 1991 water year. Records of gage height prior to October 1967 are available from the files of the U.S. Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 18.85 ft Oct. 20, 21, 1995; minimum, 8.26 ft present datum, Apr. 20, 24, 1956.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 18.85 ft Oct. 20, 21; minimum, 14.98 ft Aug. 5.

STATION NUMBER 02278501
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.65	17.47	16.87	16.70	16.77	16.12	16.89	15.46	16.66	16.26	15.08	15.97
2	16.75	17.40	16.84	16.71	16.78	16.06	16.66	15.54	16.45	15.91	15.12	15.96
3	16.81	17.29	16.83	16.72	16.73	16.03	16.39	15.66	16.27	15.67	15.15	15.94
4	16.82	17.18	16.84	16.74	16.67	16.04	16.26	15.91	16.08	15.39	15.19	15.94
5	16.82	17.04	16.85	16.73	16.59	16.06	16.18	15.86	15.85	15.14	15.22	15.93
6	16.96	16.94	16.76	16.73	16.53	16.03	16.11	15.74	15.64	16.01	15.20	15.94
7	16.99	16.86	16.75	16.75	16.50	16.02	16.03	15.69	15.48	16.69	15.17	16.00
8	17.14	16.92	16.77	16.79	16.49	15.90	16.18	15.66	15.44	16.87	15.18	16.03
9	17.26	16.97	16.74	16.77	16.46	15.82	16.31	15.63	15.65	16.90	15.56	16.38
10	17.31	16.92	16.74	16.78	16.44	15.86	16.27	15.59	16.49	16.88	15.74	16.64
11	17.25	16.86	16.73	16.74	16.42	16.09	16.03	15.57	16.79	16.73	15.87	16.81
12	17.15	16.80	16.71	16.78	16.38	16.53	15.80	15.53	16.86	16.40	15.76	16.91
13	17.14	16.80	16.71	16.73	16.34	16.54	15.58	15.52	16.92	16.25	15.69	16.84
14	17.21	16.81	16.75	16.72	16.33	16.39	15.37	15.54	16.90	16.19	15.69	16.69
15	17.37	16.84	16.80	16.70	16.31	16.34	15.24	15.53	16.77	15.96	15.70	16.63
16	17.68	16.80	16.77	16.77	16.38	16.32	15.19	15.50	16.61	15.75	15.72	16.61
17	18.09	16.80	16.79	16.79	16.29	16.31	15.34	15.49	16.49	15.54	15.67	16.60
18	18.29	16.83	16.76	16.74	16.28	16.33	15.42	15.46	16.45	15.41	15.62	16.57
19	18.59	16.81	16.79	16.75	16.29	16.25	15.46	15.44	16.25	15.35	15.67	16.54
20	18.75	16.85	16.74	16.73	16.28	16.24	15.48	15.43	16.21	15.28	15.69	16.52
21	18.76	16.85	16.70	16.68	16.26	16.19	15.49	15.52	16.25	15.24	15.70	16.54
22	18.65	16.82	16.69	16.74	16.25	16.17	15.52	16.20	16.47	15.25	15.70	16.61
23	18.51	16.74	16.70	16.78	16.23	16.15	15.51	16.49	16.46	15.26	15.76	16.60
24	18.42	16.84	16.70	16.73	16.21	16.13	15.47	16.30	16.35	15.26	15.74	16.58
25	18.29	16.80	16.67	16.69	16.19	16.12	15.48	16.18	16.23	15.25	15.74	16.56
26	18.18	16.81	16.68	16.70	16.17	16.09	15.50	16.28	16.01	15.19	15.86	16.53
27	18.05	16.80	16.69	16.77	16.15	16.08	15.45	16.42	15.84	15.13	16.00	16.52
28	17.94	16.83	16.68	16.71	16.14	16.07	15.45	16.45	16.04	15.08	16.07	16.52
29	17.79	16.86	16.69	16.70	16.11	16.04	15.47	16.66	16.12	15.09	15.96	16.50
30	17.67	16.83	16.70	16.71	---	16.05	15.49	16.82	16.12	15.12	16.05	16.50
31	17.52	---	16.70	16.73	---	16.46	---	16.80	---	15.10	15.98	---
TOTAL	546.81	507.37	519.14	518.81	474.97	500.83	473.02	491.87	488.15	487.55	484.25	492.91
MEAN	17.64	16.91	16.75	16.74	16.38	16.16	15.77	15.87	16.27	15.73	15.62	16.43
MAX	18.76	17.47	16.87	16.79	16.78	16.54	16.89	16.82	16.92	16.90	16.07	16.91
MIN	16.65	16.74	16.67	16.68	16.11	15.82	15.19	15.43	15.44	15.08	15.08	15.93

02278550 LEVEE 8 CANAL AT WEST PALM BEACH CANAL, NEAR LOXAHATCHEE, FL

LOCATION.--Lat 26°41'05", long 80°21'35", in SE1/4 sec.32, T.43 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, at upstream side in center of span of bridge on US 441, 50 ft upstream from mouth and West Palm Beach Canal, 0.2 mi east of pump station S-5A, and 6 mi west of Loxahatchee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1957 to current year.

REVISED RECORDS.--WDR FL-84-2A: 1982(m).

GAGE.--Digital water-stage recorder, satellite data collection platform with water-stage shaft encoder, and gate-opening indicators. Datum of gage is National Geodetic Vertical Datum of 1929 (South Florida Water Management District bench mark). Prior to Sept. 30, 1967, deflection vane recorder at same site. Auxiliary water-stage recorders upstream from S-5A and downstream from S-5A-E. Prior to October 1981 all gages at datum 0.24 ft higher. Satellite data collection platform with AVM installed Apr. 11, 1991, removed October, 1993.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated by operation of S-5A-E, S-5A-S, S-5A-W just downstream and pumpage at S-5A. Gate operation and pumpage occasionally reverses the flow (negative figures indicate flow reversed). Discharge is summation of flows at S-5A-E, S-5A-S and S-5A-W. Discharge computed from relation between discharge, head, and gate openings. Records of gage heights prior to October 1961 are available in files of the U.S. Geological Survey.

COOPERATION.--Gate-opening record provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 37 complete water years of discharge (1958-89, 1991-92, 1994-96).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 19.58 ft present datum, Oct. 18, 1995, from flood mark; minimum, 8.29 ft present datum, Mar. 17, 1969.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 19.58 ft Oct. 18; minimum, 10.62 ft July 5.

SEE THE FOLLOWING PAGES FOR THE TABLES OF STAGE AND DISCHARGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02278550 LEVEE 8 CANAL AT WEST PALM BEACH CANAL, NEAR LOXAHATCHEE, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.44	15.54	10.81	13.92	13.62	14.40	16.26	15.38	14.60	13.52	14.20	14.14
2	12.85	15.09	10.89	13.90	13.23	14.75	16.31	15.22	14.39	13.19	14.48	13.77
3	13.50	13.78	11.01	14.06	13.29	15.32	15.73	15.24	13.94	12.22	14.95	14.17
4	13.21	13.54	10.96	14.14	13.28	15.29	15.64	15.24	13.18	11.15	15.24	14.42
5	12.93	11.63	11.48	13.98	13.04	14.91	15.73	14.98	12.19	11.20	15.32	14.39
6	14.35	12.02	14.12	13.91	12.92	14.69	15.86	14.92	12.30	13.33	15.32	14.26
7	15.43	12.53	13.91	14.09	13.27	14.66	15.95	15.04	12.25	16.35	15.42	14.44
8	14.16	12.42	13.88	13.99	14.51	15.02	16.02	14.49	12.03	16.51	15.47	14.60
9	11.94	12.61	13.94	13.51	14.85	15.54	16.29	14.43	12.19	13.50	15.65	14.81
10	11.63	12.01	14.05	13.57	15.02	15.72	16.11	14.47	14.01	12.06	15.65	14.64
11	11.04	11.40	14.05	13.50	15.14	16.18	15.72	14.69	15.87	11.92	15.62	14.88
12	11.82	11.06	14.00	13.45	15.33	16.34	15.34	15.08	16.42	14.28	15.46	15.11
13	12.60	10.88	13.90	13.42	15.54	15.97	14.85	14.83	16.43	14.21	15.59	15.06
14	13.22	11.12	13.61	13.34	15.64	15.89	14.69	14.69	15.41	14.01	15.53	14.89
15	14.15	11.15	13.60	13.33	15.68	15.87	14.46	14.99	14.26	13.59	15.56	14.76
16	14.51	11.13	13.53	13.36	15.65	15.85	14.54	14.80	13.42	13.47	15.45	14.64
17	16.32	11.10	13.50	13.28	15.91	15.78	14.19	14.45	13.58	13.26	15.01	15.09
18	19.22	11.01	13.43	13.26	15.76	15.77	14.05	14.45	13.57	12.54	14.36	15.57
19	19.10	10.99	13.40	13.52	15.64	16.13	15.50	14.49	12.82	11.91	13.70	15.61
20	19.08	10.74	13.44	13.80	15.38	16.21	15.57	14.56	12.47	12.28	13.11	15.44
21	19.09	11.12	13.34	13.82	14.75	16.28	15.32	14.65	12.41	12.03	12.85	15.33
22	18.87	11.38	13.34	13.82	14.89	15.85	15.00	14.93	12.57	11.99	11.91	15.47
23	18.66	11.37	13.53	13.71	15.19	15.45	14.38	14.59	12.15	11.70	12.40	15.69
24	18.51	11.32	13.50	13.42	14.97	15.26	14.37	13.71	12.08	11.48	14.09	15.59
25	18.21	11.28	13.38	13.26	14.83	15.12	14.76	12.88	12.37	11.20	14.84	15.21
26	17.77	11.10	13.35	13.31	14.71	14.78	14.63	12.97	12.37	11.24	15.27	14.84
27	17.01	11.04	13.69	13.50	14.57	14.55	14.38	13.70	12.38	11.94	15.34	14.49
28	15.90	10.94	13.80	13.33	14.51	15.04	14.20	14.86	13.60	12.19	15.28	15.09
29	14.39	11.04	13.84	13.26	14.35	15.82	14.32	15.49	13.44	11.93	15.11	15.17
30	13.07	11.06	13.86	13.27	---	15.87	14.91	16.06	13.41	11.51	14.97	15.16
31	14.19	---	13.90	13.43	---	16.07	---	15.54	---	12.14	14.23	---
TOTAL	469.17	353.40	411.04	421.46	425.47	480.38	455.08	455.82	402.11	393.85	457.38	446.73
MEAN	15.13	11.78	13.26	13.60	14.67	15.50	15.17	14.70	13.40	12.70	14.75	14.89
MAX	19.22	15.54	14.12	14.14	15.91	16.34	16.31	16.06	16.43	16.51	15.65	15.69
MIN	11.04	10.74	10.81	13.26	12.92	14.40	14.05	12.88	12.03	11.15	11.91	13.77

02278550 LEVEE 8 CANAL AT WEST PALM BEACH CANAL, NEAR LOXAHATCHEE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	443	1000	359	278	203	92	144	.00	508	375	-46	209
2	426	1250	372	271	144	93	242	.00	509	455	.00	201
3	478	1090	380	271	141	99	218	.00	588	393	.00	207
4	481	1130	365	300	147	98	221	.00	537	259	.00	210
5	472	860	158	279	147	94	167	148	342	147	.00	214
6	228	621	206	275	116	94	105	76	236	25	.00	201
7	538	515	289	288	36	94	104	95	252	.00	.00	182
8	729	442	271	281	57	97	44	179	238	516	.00	125
9	664	521	290	177	67	43	.00	181	196	818	.00	184
10	633	510	319	173	23	.00	143	180	.00	678	.00	322
11	498	463	322	190	27	.00	226	180	.00	345	.00	356
12	394	424	311	170	76	.00	351	187	192	310	.00	351
13	350	389	297	173	102	.00	388	181	532	425	.00	359
14	329	361	216	160	37	.00	381	81	797	407	.00	372
15	265	367	222	150	.00	.00	373	.00	741	405	.00	366
16	647	360	225	147	.00	.00	378	56	518	365	.00	373
17	407	353	213	152	.00	.00	372	99	432	413	.00	148
18	758	344	200	146	.00	.00	193	98	445	422	.00	.00
19	1760	334	173	204	.00	.00	107	96	390	255	.00	.00
20	1960	311	206	251	81	.00	108	91	352	93	.00	.00
21	1980	381	200	261	145	.00	104	89	319	-10	85	.00
22	2600	421	204	253	32	102	207	108	327	55	94	.00
23	3130	409	209	203	50	198	283	282	326	191	47	.00
24	3110	410	219	165	96	188	317	484	276	273	.00	.00
25	2470	406	206	163	97	132	327	483	245	361	.00	.00
26	2080	396	205	142	97	99	310	442	208	319	.00	123
27	2040	380	252	168	95	69	301	325	97	376	.00	115
28	1930	381	260	167	92	17	287	350	127	391	.00	.00
29	1750	364	262	145	93	.00	98	208	347	377	.00	.00
30	1480	390	262	141	---	.00	.00	.00	270	356	101	.00
31	1200	---	265	180	---	.00	---	354	---	29	211	---
TOTAL	36230	15583	7938	6324	2201.00	1609.00	6499.00	5053.00	10347.00	9824.00	492.00	4618.00
MEAN	1169	519	256	204	75.9	51.9	217	163	345	317	15.9	154
MAX	3130	1250	380	300	203	198	388	484	797	818	211	373
MIN	228	311	158	141	.00	.00	.00	.00	.00	-10	-46	.00
AC-FT	71860	30910	15750	12540	4370	3190	12890	10020	20520	19490	976	9160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1996, BY WATER YEAR (WY)

	MEAN	255	111	66.0	123	76.4	103	99.9	98.5	129	181	193	256
MAX	1169	691	616	820	503	714	648	728	896	1048	856	937	
(WY)	1996	1960	1995	1958	1983	1970	1970	1984	1968	1992	1986	1960	
MIN	-218	-838	-565	-139	-289	-193	-175	-208	-330	-286	-151	-509	
(WY)	1977	1992	1992	1976	1987	1977	1974	1992	1989	1982	1977	1981	

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1958 - 1996

ANNUAL TOTAL	142876.00	106718.00		
ANNUAL MEAN	391	292	145	
HIGHEST ANNUAL MEAN			453	1970
LOWEST ANNUAL MEAN			-76.7	1977
HIGHEST DAILY MEAN	3130	Oct 23	3130	Oct 23 1995
LOWEST DAILY MEAN	-233	Jun 18	-46	Aug 1 1982
ANNUAL SEVEN-DAY MINIMUM	-93	Jun 12	-6.6	Aug 1 1991
ANNUAL RUNOFF (AC-FT)	283400	211700	104900	
10 PERCENT EXCEEDS	891	511	446	
50 PERCENT EXCEEDS	297	204	84	
90 PERCENT EXCEEDS	.00	.00	-111	

02278600 WEST PALM BEACH CANAL BELOW S-5A-E, NEAR LOXAHATCHEE, FL

LOCATION.--Lat 26°41'05", long 80°21'50", in SE1/4 sec.32, T.43 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, near left bank, 350 ft downstream from control structure 5A-E, and 6 mi west of Loxahatchee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--September 1955 to current year. Monthly discharge only for September 1955, published in WSP 1724. Records of gage heights prior to October 1961 are available in files of the U.S. Geological Survey.

GAGE.--Digital water-stage recorder, satellite data collection platform with water-stage shaft encoder and gate opening indicator. Datum of gage is National Geodetic Vertical Datum of 1929 (South Florida Water Management District bench mark). Auxiliary water-stage recorder in Levee 8 Canal 50 ft upstream from S-5A-E. Prior to October 1981 all gages at datum 0.24 ft higher.

REMARKS.--No estimated daily discharges. Records good. Normal flow to east regulated at S-5A-E for irrigation and drainage. Flow diverted upstream from station through S-5A-S and by pumpage at S-5A. Flow materially affected by regulation of Cross Canal 1.5 mi upstream and gate structures S-352, 20 mi upstream. Negative figures indicate flow to the west. Discharge computed from relations between discharge, head, and gate openings at S-5A-E. Acoustic velocity meter installed May 1, 1991 along with satellite data collection platform. Acoustic velocity meter removed September 30, 1993. No discharge was computed using the AVM record.

COOPERATION.--Gate-opening record provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 39 complete water years of discharge (1956-89, 1991-92, 1994-1996).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 16.74 ft present datum, Oct. 17, 1995; minimum, 6.24 ft present datum, Sept. 9, 1965.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 16.74 ft Oct.17; minimum, 8.32 ft May 5, and Sept. 7.

STATION NUMBER 02278600
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.74	12.99	10.43	12.47	12.37	10.84	10.38	11.29	11.56	13.15	9.40	9.52
2	11.28	11.99	10.48	12.47	12.09	11.10	10.06	10.65	11.34	12.66	9.56	9.50
3	11.52	11.84	10.59	12.68	12.19	11.20	10.72	9.36	11.68	11.81	9.85	9.63
4	11.21	12.17	10.56	12.66	12.17	11.21	10.45	9.07	11.95	10.97	9.98	9.74
5	11.00	11.03	10.76	12.54	11.89	11.16	10.49	9.20	11.33	10.96	10.02	9.52
6	11.45	11.28	12.37	12.47	11.87	10.96	11.18	9.97	11.37	13.13	10.41	9.07
7	10.31	11.75	12.40	12.64	11.31	10.94	11.40	10.21	11.28	13.24	10.73	8.38
8	11.38	11.84	12.43	12.52	9.97	11.03	11.37	11.08	11.09	11.69	10.31	8.44
9	10.04	11.82	12.44	12.31	10.18	10.92	10.22	10.94	11.36	10.13	10.01	10.14
10	9.67	11.25	12.45	12.41	10.88	10.65	10.08	11.04	10.65	10.50	8.71	11.89
11	9.46	10.77	12.45	12.27	11.02	10.87	10.33	11.27	9.73	10.09	8.70	11.52
12	10.32	10.53	12.43	12.28	10.89	9.68	10.34	11.38	11.53	10.66	9.43	11.85
13	10.52	10.43	12.36	12.24	11.16	9.80	10.86	11.36	12.01	12.08	10.31	11.64
14	10.60	10.74	12.30	12.18	10.93	10.70	10.85	11.10	11.05	12.06	10.29	11.24
15	11.44	10.75	12.26	12.22	10.80	10.74	10.78	10.16	11.10	11.65	10.40	11.21
16	12.20	10.75	12.16	12.24	11.00	10.55	10.76	10.00	11.28	11.90	10.49	10.95
17	15.83	10.73	12.17	12.12	10.82	10.45	10.52	10.28	11.39	11.26	10.11	10.83
18	16.61	10.66	12.14	12.13	10.59	10.45	10.27	10.38	11.24	11.14	9.79	10.83
19	16.44	10.66	12.19	12.24	10.17	10.58	10.63	10.62	11.02	11.43	9.86	10.56
20	16.04	10.45	12.13	12.41	10.04	10.37	10.67	11.03	11.02	11.67	10.21	10.76
21	15.10	10.69	12.04	12.42	11.08	10.01	10.74	11.22	11.21	11.47	10.66	10.78
22	14.00	10.86	12.03	12.43	10.66	10.18	10.72	10.02	11.31	11.59	10.46	11.28
23	12.58	10.88	12.24	12.47	10.14	11.32	10.37	9.92	10.89	11.27	10.60	11.35
24	12.40	10.82	12.17	12.27	11.05	11.53	10.78	10.99	11.18	11.04	10.81	11.06
25	13.07	10.80	12.08	12.08	10.87	11.15	11.93	11.33	11.21	10.82	10.82	10.56
26	12.43	10.64	12.03	12.21	10.71	10.59	12.09	11.67	11.52	10.39	10.61	10.42
27	12.32	10.62	12.29	12.34	10.78	10.63	11.99	11.91	11.72	10.28	9.23	10.40
28	11.94	10.52	12.40	12.14	10.95	10.79	12.02	11.59	13.39	10.38	9.09	10.33
29	11.56	10.65	12.44	12.15	10.68	11.26	11.28	11.73	13.18	10.25	8.81	10.29
30	11.88	10.61	12.46	12.17	---	10.97	10.50	10.70	13.24	10.02	8.95	10.65
31	13.08	---	12.50	12.21	---	11.65	---	10.57	---	9.38	9.53	---
TOTAL	378.42	331.52	372.18	382.39	319.26	334.28	324.78	332.04	343.83	349.07	308.14	314.34
MEAN	12.21	11.05	12.01	12.34	11.01	10.78	10.83	10.71	11.46	11.26	9.94	10.48
MAX	16.61	12.99	12.50	12.68	12.37	11.65	12.09	11.91	13.39	13.24	10.82	11.89
MIN	9.46	10.43	10.43	12.08	9.97	9.68	10.06	9.07	9.73	9.38	8.70	8.38

02278600 WEST PALM BEACH CANAL BELOW S-5A-E, NEAR LOXAHATCHEE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	443	310	359	702	654	92	144	.00	508	375	.00	209
2	426	398	372	697	622	93	242	.00	509	455	.00	201
3	478	483	380	685	612	99	218	.00	588	393	.00	207
4	481	564	365	710	614	98	221	.00	537	259	.00	210
5	472	375	461	700	625	94	167	148	448	292	.00	214
6	228	473	772	701	598	94	105	76	468	222	.00	126
7	230	515	717	702	492	94	104	95	480	.00	.00	.00
8	219	442	703	706	414	97	44	179	472	.00	.00	.00
9	.00	521	715	636	289	43	.00	181	417	.00	.00	184
10	.00	510	736	628	99	.00	143	180	.00	.00	.00	322
11	126	463	738	647	99	.00	226	180	.00	.00	.00	356
12	357	424	729	633	102	.00	351	187	192	310	.00	351
13	285	389	723	635	102	.00	388	181	204	425	.00	359
14	157	361	666	627	37	.00	381	81	309	407	.00	372
15	56	367	676	616	.00	.00	373	.00	412	405	.00	366
16	.00	360	683	616	.00	.00	378	56	426	365	.00	373
17	-114	353	673	628	.00	.00	372	99	432	413	.00	148
18	.00	344	663	620	.00	.00	193	98	445	422	.00	.00
19	.00	334	641	660	.00	.00	107	96	390	398	.00	.00
20	.00	311	668	686	81	.00	108	91	352	313	.00	.00
21	.00	381	666	690	145	.00	104	89	319	218	.00	.00
22	.00	421	669	687	32	102	101	108	327	184	.00	.00
23	.00	409	662	648	50	198	97	282	326	191	.00	.00
24	288	410	673	627	96	188	241	484	276	273	.00	.00
25	400	406	667	633	97	132	327	483	400	361	.00	.00
26	337	396	669	610	97	99	310	442	450	319	.00	.00
27	380	380	691	627	95	69	301	325	458	376	.00	.00
28	387	381	691	634	92	17	287	350	304	391	.00	.00
29	421	364	690	616	93	.00	98	208	347	377	.00	.00
30	494	390	690	612	---	.00	.00	.00	270	356	101	.00
31	494	---	690	642	---	.00	---	354	---	136	211	---
TOTAL	7045.00	12235	19898	20261	6237.00	1609.00	6131.00	5053.00	11066.00	8636.00	312.00	3998.00
MEAN	227	408	642	654	215	51.9	204	163	369	279	10.1	133
MAX	494	564	772	710	654	198	388	484	588	455	211	373
MIN	-114	310	359	610	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	13970	24270	39470	40190	12370	3190	12160	10020	21950	17130	619	7930

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1996, BY WATER YEAR (WY)

MEAN	150	136	137	185	165	178	205	143	117	198	191	165
MAX	623	650	697	679	700	795	661	626	662	1106	790	592
(WY)	1958	1961	1961	1960	1961	1983	1983	1960	1961	1992	1959	1957
MIN	-21.3	-39.6	.000	-26.6	.000	-57.1	-9.23	-74.8	-254	-106	-1.77	-76.4
(WY)	1984	1972	1972	1991	1957	1982	1972	1982	1982	1985	1956	1977

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1956 - 1996

ANNUAL TOTAL	143998.00	102481.00	
ANNUAL MEAN	395	280	
HIGHEST ANNUAL MEAN			168
LOWEST ANNUAL MEAN			573
HIGHEST DAILY MEAN	1280	Mar 21	772
LOWEST DAILY MEAN	-124	Aug 4	-114
ANNUAL SEVEN-DAY MINIMUM	-16	Oct 16	-16
ANNUAL RUNOFF (AC-FT)	285600	203300	122000
10 PERCENT EXCEEDS	741	661	523
50 PERCENT EXCEEDS	389	279	45
90 PERCENT EXCEEDS	.00	.00	.00

02279000 WEST PALM BEACH CANAL AT WEST PALM BEACH, FL

LOCATION.--Lat 26°38'40", long 80°03'22", in NW1/4 sec.15, T.44 S., R.34 E., Palm Beach County, Hydrologic Unit 03090202, on left bank in concrete control house north of control structure, 200 ft downstream from bridge on US 1, and 4.9 mi south of courthouse in West Palm Beach.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1939 to current year. Records of gage heights prior to October 1961 are available in files of the U.S. Geological Survey.

REVISED RECORDS.--WDR FL-91-2A: 1986-89.

GAGE.--Water-stage and gate recorders. Datum of gage is National Geodetic Vertical Datum of 1929. (State Department of Transportation bench mark). Prior to May 1, 1984, digital upstream stage recorder, and gate-opening indicator at site 200 ft upstream at same datum. Prior to April 26, 1940, nonrecording gage, April 26, 1940 to December 20, 1949, water-stage recorder, at same site at datum 0.25 ft higher, and December 20, 1949 to June 3, 1959, at same site and present datum. June 3, 1959 to September 30, 1985, water-stage and deflection vane recorder at site 800 ft upstream at present datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by operation of control structure. Since January 1954, flow affected by control structures 20 mi upstream. Discharge computed from relations between discharge and gate openings.

COOPERATION.--Gate-operation log provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 51 complete water years of discharge (1941-84, 1986-90, 1994).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 10.89 ft Oct. 13, 1947, present datum; minimum, 2.85 ft Dec. 3, 1953, Oct. 9, 1963, and Sept. 9, 1964.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 9.76 ft. Oct. 17; minimum, 6.92 ft. Oct. 14.

STATION NUMBER 02279000
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.80	7.65	8.22	8.11	8.12	7.95	8.06	7.84	8.30	7.64	8.41	8.21
2	8.24	7.77	8.33	8.23	8.21	8.03	8.09	8.30	8.33	7.65	8.13	8.14
3	8.25	7.92	8.24	8.24	8.35	8.22	8.25	8.06	8.26	7.84	8.29	8.11
4	8.17	7.70	8.28	8.01	8.26	8.28	8.27	8.00	8.39	8.24	8.14	8.33
5	8.05	7.66	8.19	8.14	8.19	8.31	8.13	8.26	8.40	8.06	8.27	8.31
6	8.29	7.99	8.11	8.25	8.28	8.39	8.17	8.31	8.38	8.12	8.19	8.28
7	8.19	8.18	8.29	8.14	8.02	8.46	8.15	8.42	8.45	7.14	8.08	8.19
8	7.77	8.30	8.39	7.98	8.12	8.17	8.09	8.36	8.36	7.18	8.25	8.26
9	8.29	8.09	8.28	7.93	8.25	8.24	7.97	8.33	8.12	7.15	8.14	8.26
10	8.21	8.26	8.18	7.97	8.40	8.29	7.94	8.41	8.06	7.20	8.29	7.85
11	8.18	8.34	8.30	8.09	8.08	8.21	8.04	8.40	8.02	7.81	8.43	---
12	8.13	8.30	8.37	8.24	8.30	8.01	8.05	8.26	8.19	8.20	8.39	---
13	8.14	8.30	8.21	8.34	8.36	8.02	8.21	8.25	8.14	8.18	8.43	---
14	8.04	8.40	8.39	8.42	8.20	8.38	8.31	8.14	7.96	8.18	8.42	---
15	7.25	8.40	8.38	8.39	8.25	8.08	8.42	8.30	8.07	8.32	8.30	---
16	7.21	8.39	8.13	8.29	8.29	8.27	8.25	8.11	8.26	8.12	8.30	---
17	8.80	8.34	8.38	8.16	8.11	8.44	8.01	8.26	7.91	8.28	8.37	---
18	8.97	8.39	8.10	8.27	8.18	8.41	7.95	8.30	8.11	8.36	8.44	---
19	7.97	8.41	8.33	8.37	8.18	8.27	7.99	8.29	8.24	8.39	8.37	---
20	7.31	8.44	8.03	8.28	8.23	8.10	8.00	8.36	7.96	8.06	8.38	---
21	7.18	8.21	8.36	8.18	8.29	8.34	8.00	8.08	7.71	8.28	8.09	---
22	7.14	8.27	8.10	8.33	8.41	8.41	8.00	7.66	7.56	7.96	8.17	---
23	7.25	8.37	8.28	8.20	8.32	8.43	7.92	7.83	7.73	8.22	8.22	---
24	7.27	8.10	8.17	8.21	8.31	8.16	7.81	8.12	7.72	8.05	8.02	---
25	7.55	8.28	8.01	8.15	8.20	8.04	8.12	8.11	7.79	8.19	7.96	---
26	7.69	8.04	7.92	8.28	8.04	8.38	8.30	8.05	7.86	8.23	8.21	---
27	7.75	8.31	8.00	8.18	7.95	8.42	8.22	8.27	7.78	8.25	8.39	---
28	7.71	8.08	8.14	7.93	7.98	8.39	8.21	8.09	7.74	8.29	8.40	---
29	7.85	8.33	8.26	7.94	7.95	8.33	8.34	8.15	7.84	8.29	8.41	---
30	7.69	8.00	8.34	7.94	---	8.07	8.06	8.11	7.67	8.20	8.13	---
31	7.84	---	7.99	8.01	---	8.16	---	8.14	---	8.24	8.23	---
TOTAL	244.18	245.22	254.70	253.20	237.83	255.66	243.33	253.57	241.31	248.32	256.25	---
MEAN	7.88	8.17	8.22	8.17	8.20	8.25	8.11	8.18	8.04	8.01	8.27	---
MAX	8.97	8.44	8.39	8.42	8.41	8.46	8.42	8.42	8.45	8.39	8.44	---
MIN	7.14	7.65	7.92	7.93	7.95	7.95	7.81	7.66	7.56	7.14	7.96	---

02279000 WEST PALM BEACH CANAL AT WEST PALM BEACH, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1060	e3210	632	e964	997	21	757	e149	1040	1790	159	616
2	e1170	e1390	635	e894	953	21	244	e415	990	1410	298	874
3	e970	e1270	895	e1200	906	21	503	e612	943	1100	389	634
4	e991	e1510	603	1020	864	21	443	e439	890	908	215	541
5	e950	e1330	956	980	724	15	590	e136	840	1080	415	630
6	e1180	e918	1030	948	904	10	157	e212	840	1950	368	430
7	871	e1020	982	1200	1010	10	625	98	813	4990	391	266
8	1610	e1180	940	1010	600	372	749	178	959	4020	476	219
9	983	e1130	1140	988	323	10	664	77	1040	1870	478	793
10	778	e931	1000	964	94	132	532	.00	1180	1310	92	2160
11	613	e864	967	937	430	1110	488	124	1020	433	145	---
12	761	e792	933	904	31	1060	e404	171	1070	740	254	---
13	865	e733	1150	874	31	273	e286	226	1250	1160	211	---
14	1590	e670	947	849	408	33	e222	642	996	1260	179	---
15	e3250	e611	1080	819	10	527	e221	266	914	982	225	---
16	e3130	e726	1010	1040	318	21	e570	97	1300	1350	197	---
17	e5550	e780	886	958	41	94	e504	.00	1050	898	171	---
18	e5710	e723	1170	928	10	207	e155	.00	993	849	146	---
19	e4640	e656	1020	897	10	572	e.00	.00	873	993	123	---
20	e3920	e589	1130	1110	10	155	e.00	111	1990	1170	160	---
21	e3740	e921	872	948	10	21	e.00	1880	1940	1060	644	---
22	e3560	744	e945	908	10	128	e.00	1030	2450	1230	182	---
23	e2340	857	e1080	1100	10	266	e.00	482	1360	847	568	---
24	e2820	843	e1040	793	10	594	e.00	1190	1270	1120	611	---
25	e2450	878	e1010	1070	257	327	e.00	1140	1200	715	551	---
26	e1970	872	e973	851	21	31	e238	1010	1190	826	493	---
27	e1660	800	e937	1110	21	194	e358	1070	1240	638	440	---
28	e1480	811	e902	1060	21	214	e297	1210	1830	666	226	---
29	e1270	902	e866	1030	21	520	e.00	1520	1470	635	229	---
30	e1500	963	e986	1070	---	393	e576	1190	3400	656	638	---
31	e1910	---	e1060	1040	---	904	---	777	---	356	619	---
TOTAL	65292	29624	29777	30464	9055	8277	9583.00	16452.00	38341	39012	10293	---
MEAN	2106	987	961	983	312	267	319	531	1278	1258	332	---
MAX	5710	3210	1170	1200	1010	1110	757	1880	3400	4990	644	---
MIN	613	589	603	793	10	10	.00	.00	813	356	92	---
AC-FT	129500	58760	59060	60430	17960	16420	19010	32630	76050	77380	20420	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1996, BY WATER YEAR (WY)

MEAN	1096	741	487	564	423	429	403	411	764	853	868	1114
MAX	3889	2589	2082	2067	1696	1682	1967	1266	2856	2960	2335	2844
(WY)	1948	1948	1995	1993	1941	1947	1942	1958	1942	1947	1947	1947
MIN	11.5	4.93	.000	.058	.000	.000	.000	.006	42.4	155	89.8	264
(WY)	1982	1990	1991	1989	1989	1990	1990	1992	1989	1981	1987	1987

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

WATER YEARS 1940 - 1996

ANNUAL TOTAL	369727.50	
ANNUAL MEAN	1013	676
HIGHEST ANNUAL MEAN		1542
LOWEST ANNUAL MEAN		129
HIGHEST DAILY MEAN	5710	Oct 18 1995
LOWEST DAILY MEAN	.00	Apr 21
ANNUAL SEVEN-DAY MINIMUM	.00	May 8 1984
ANNUAL RUNOFF (AC-FT)	733400	489600
10 PERCENT EXCEEDS	1930	1480
50 PERCENT EXCEEDS	879	520
90 PERCENT EXCEEDS	119	10

e Estimated

264514080550700 INDUSTRIAL CANAL AT CLEWISTON, FL

LOCATION.--Lat 26°45'14", long 80°55'07", in NW1/4 sec.14, T.43 S., R.34 E., Hendry County, Hydrologic Unit 03090202, on concrete wall inside lock chamber of structure S-310 (HGS-2) in Okeechobee Waterway, and 0.8 mi north of US 27 near Clewiston.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1976 to September 1979, October 1979 to September 1981 (gage heights only), October 1982 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to October 1979, at datum 0.24 ft lower.

REMARKS.--No estimated discharge. Records poor. Flow regulated by hurricane gate at Lake Okeechobee. Prior to October 19, 1992 electromagnetic velocity meter at site.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 10 complete water years of discharge (1977-79, 1983-87, 1990, 1994).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 19.17 ft Mar. 7, 1983; minimum, 9.60 ft July 12, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 18.97 ft Oct. 21; minimum, 14.53 ft May 25.

STATION NUMBER 264514080550700
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.39	18.56	17.10	16.18	16.02	15.54	15.83	15.61	15.61	15.91	15.39	15.41
2	17.42	18.49	17.06	16.16	15.92	15.86	16.06	15.62	15.52	15.83	15.35	15.41
3	17.27	18.42	17.00	16.31	15.94	16.06	16.02	15.50	15.44	15.79	15.34	15.42
4	17.07	18.47	16.97	16.37	16.09	15.90	15.91	15.49	15.44	15.72	15.37	15.48
5	17.17	18.48	16.95	16.39	16.36	15.72	15.88	15.47	15.39	15.75	15.34	15.35
6	17.38	18.36	16.91	16.34	16.24	15.67	15.87	15.44	15.39	15.89	15.35	15.31
7	17.46	18.22	16.86	16.33	15.95	15.59	15.90	15.44	15.34	15.91	15.31	15.34
8	17.50	18.24	16.89	16.34	15.88	15.83	15.95	15.42	15.31	15.89	15.22	15.34
9	17.46	18.55	16.84	16.32	15.84	16.14	16.01	15.39	15.35	15.91	15.30	15.32
10	17.52	18.23	17.07	16.26	15.83	16.00	16.17	15.36	15.45	15.96	15.35	15.31
11	17.55	18.11	17.08	16.27	15.81	16.03	16.06	15.26	15.49	15.90	15.38	15.30
12	17.58	18.22	16.86	16.21	15.86	15.95	15.93	15.23	15.54	15.89	15.41	15.33
13	17.58	18.14	16.74	16.28	15.94	15.79	15.88	15.29	15.58	15.98	15.44	15.31
14	17.55	18.01	16.69	16.23	15.75	15.76	15.90	15.31	15.59	16.01	15.43	15.30
15	17.67	17.98	16.67	16.21	15.69	15.73	15.88	15.27	15.55	15.99	15.39	15.26
16	18.05	17.91	16.64	16.21	15.75	15.75	15.94	15.25	15.52	15.98	15.46	15.21
17	18.10	17.85	16.64	16.20	15.88	15.71	16.01	15.17	15.55	15.98	15.47	15.18
18	18.19	17.75	16.59	16.19	15.72	15.57	15.90	15.11	15.51	15.99	15.54	15.23
19	18.37	17.73	16.46	16.18	15.72	15.66	15.86	15.08	15.51	15.93	15.54	15.33
20	18.51	17.67	16.57	16.23	15.71	15.62	15.83	15.05	15.50	15.83	15.55	15.30
21	18.70	17.61	16.62	16.20	15.72	15.69	15.81	15.14	15.64	15.83	15.54	15.19
22	18.81	17.69	16.61	16.25	15.70	15.70	15.76	15.17	15.66	15.82	15.49	15.15
23	18.75	17.51	16.68	16.15	15.71	15.75	15.68	15.23	15.75	15.72	15.36	15.29
24	---	17.44	16.53	16.10	15.71	15.69	15.71	15.17	15.72	15.68	15.36	15.28
25	---	17.54	16.48	16.24	15.72	15.63	15.65	15.19	15.73	15.64	15.36	15.22
26	---	17.41	16.39	16.14	15.69	15.63	15.55	15.11	15.72	15.61	15.36	15.19
27	---	17.27	16.34	16.10	15.70	15.61	15.61	15.13	15.81	15.60	15.35	15.14
28	---	17.21	16.35	16.28	15.66	15.67	15.55	15.20	15.79	15.59	15.35	15.07
29	---	17.14	16.35	16.13	15.71	15.80	15.44	15.24	15.93	15.57	15.37	15.06
30	---	17.19	16.27	16.09	---	15.84	15.32	15.31	16.09	15.46	15.38	15.10
31	18.62	---	16.22	16.03	---	15.91	---	15.52	---	15.42	15.38	---
TOTAL	---	537.40	517.43	502.92	459.22	488.80	474.87	474.17	467.42	489.98	477.23	458.13
MEAN	---	17.91	16.69	16.22	15.84	15.77	15.83	15.30	15.58	15.81	15.39	15.27
MAX	---	18.56	17.10	16.39	16.36	16.14	16.17	15.62	16.09	16.01	15.55	15.48
MIN	---	17.14	16.22	16.03	15.66	15.54	15.32	15.05	15.31	15.42	15.22	15.06

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 121

264514080550700 INDUSTRIAL CANAL AT CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	25	63	-3.9	47	58	-71	40	-210	23	223	26
2	21	31	-8.6	-28	1.1	-56	-64	53	56	104	123	52
3	22	37	-13	1.3	-2.6	-19	-18	-16	102	101	173	-6.8
4	66	13	50	59	12	-69	15	60	202	106	90	102
5	75	16	66	-20	137	-8.4	63	232	192	-1.63	-131	202
6	23	18	44	11	96	15	81	275	255	-150	-64	195
7	18	115	65	-24	-30	14	68	291	281	-106	32	47
8	24	133	39	18	15	32	-65	269	91	-5.5	-9.5	47
9	23	5.7	65	29	25	-42	-138	190	-16	-106	-389	48
10	21	21	-1.6	-27	-26	1.5	-70	256	-332	-8.9	-324	3.5
11	21	30	-5.0	-76	-41	-203	-12	265	-487	82	-194	6.5
12	17	-1.56	49	-53	-9.2	27	14	232	-432	8.6	-62	-6.4
13	30	8.2	24	-17	-5.7	-92	26	254	-268	-51	27	34
14	20	31	-5.6	-55	23	-20	52	312	-99	-156	.16	-6.3
15	21	63	21	-26	-1.4	-29	96	317	56	85	80	40
16	-5.1	75	2.5	-18	-8.7	12	89	305	9.2	67	194	96
17	26	61	-1.86	-24	.55	-1.89	242	293	-160	139	167	141
18	30	62	6.0	-6.8	112	-6.2	280	283	-153	146	96	193
19	20	47	-3.1	-1.51	.03	-5.2	223	205	-168	199	194	136
20	33	-6.9	-3.0	-32	-31	80	208	2.3	-361	247	137	135
21	17	26	-1.63	-24	-30	184	202	-245	-276	150	116	84
22	19	12	11	16	-3.2	177	259	-306	-256	195	22	38
23	19	-5.6	58	16	29	108	245	-277	-215	328	48	20
24	---	-22	33	32	-40	114	112	-240	-214	336	-96	55
25	---	74	-15	-12	-36	108	209	-123	-157	363	-106	260
26	---	42	27	-12	-19	248	283	-69	13	361	61	246
27	---	46	8.9	-111	20	247	231	-28	-74	259	-40	245
28	---	137	-25	-16	52	19	226	-255	-127	221	-23	155
29	---	53	36	-9.2	44	-25	218	-350	-123	230	-68	217
30	---	39	-47	55	---	-94	88	-369	.07	254	11	181
31	25	---	-64	68	---	-153	---	-328	---	226	148	---
TOTAL	---	1185.84	476.01	-290.11	329.88	621.81	3092	1528.3	-2870.73	3646.57	435.66	2985.5
MEAN	---	39.5	15.4	-9.36	11.4	20.1	103	49.3	-95.7	118	14.1	99.5
MAX	---	137	66	68	137	248	283	317	281	363	223	260
MIN	---	-22	-64	-111	-41	-203	-138	-369	-487	-156	-389	-6.8
AC-FT	---	2350	944	-575	654	1230	6130	3030	-5690	7230	864	5920

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1996, BY WATER YEAR (WY)

	MEAN	52.1	62.7	74.7	57.9	75.4	79.2	109	99.6	58.2	17.2	3.85	33.3
	MAX	194	315	438	467	474	472	448	366	364	245	219	232
	(WY)	1988	1986	1988	1988	1988	1988	1986	1987	1984	1984	1987	1987
	MIN	-93.6	-27.6	-55.9	-120	-63.7	-42.3	-50.3	-92.3	-95.7	-96.6	-153	-116
	(WY)	1994	1979	1992	1992	1992	1992	1991	1978	1996	1995	1978	1977

SUMMARY STATISTICS

WATER YEARS 1976 - 1996

ANNUAL MEAN	59.7
HIGHEST ANNUAL MEAN	232
LOWEST ANNUAL MEAN	-30.2
HIGHEST DAILY MEAN	740
LOWEST DAILY MEAN	-1400
ANNUAL SEVEN-DAY MINIMUM	-455
ANNUAL RUNOFF (AC-FT)	43230
10 PERCENT EXCEEDS	257
50 PERCENT EXCEEDS	21
90 PERCENT EXCEEDS	-71

02280500 HILLSBORO CANAL BELOW S-351, NEAR SOUTH BAY, FL

LOCATION.--Lat 26°42'00", long 80°42'45", in SW1/4 sec.35, T.43 S., R.36 E., Palm Beach County, Hydrologic Unit 03090202, acoustic velocity meter located approximately 1,800 ft downstream from S-351 and pump station 2 at Lake Okeechobee, and 2.5 mi north of South Bay, along the south bank of Hillsboro Canal.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1957 to current year.

REVISED RECORDS.--WDR FL-92-2A: 1991.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Prior to Oct. 1, 1986 water stage recorder at pump station 2 used for gage heights at this station. Prior to August 1982 deflection meter. Prior to April 1993 water year electromagnetic velocity meter and digital water-stage recorder. DCP, AVM and stage shaft encoder installed December 1990. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records poor. Flow regulated by vertical lift gates and pump station at Lake Okeechobee. Flow frequently reversed during and after periods of heavy rainfall by pumpage into the canal from agricultural lands in the Everglades, by the operation of pump station 2 or by gravity flow through gates during periods of negative head (negative figures indicate flow reversed). Discharge computed from continuous velocity record obtained from acoustic velocity meter.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 36 complete water years of discharge (1958-88, 1991-95).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.09 ft Sept. 28, 1962; minimum, 6.98 ft Oct. 28, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 13.03 ft Oct. 6; minimum, 9.22 ft July 11.

SEE THE FOLLOWING PAGES FOR THE TABLES OF STAGE AND DISCHARGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA
02280500 HILLSBORO CANAL BELOW S-351, NEAR SOUTH BAY, FL

PAGE 123

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.84	10.06	11.74	11.09	11.45	11.54	10.95	10.78	9.93	10.04	10.56	10.25
2	10.47	10.00	11.87	11.57	11.12	11.41	10.50	10.98	10.61	10.17	10.75	10.49
3	10.39	9.98	11.88	11.83	11.23	11.17	10.31	11.57	10.63	10.00	10.48	10.63
4	10.63	10.28	11.89	11.39	11.03	11.01	10.24	11.65	10.24	10.01	10.43	10.17
5	10.63	10.58	11.80	11.93	10.95	10.99	10.33	10.79	10.00	10.61	10.73	9.87
6	11.89	10.85	11.37	11.78	11.12	11.14	10.98	10.60	9.93	12.31	11.18	10.00
7	10.81	10.90	11.67	11.94	11.65	10.94	11.13	10.67	10.17	12.09	11.17	10.78
8	10.56	10.67	11.47	11.88	11.62	10.57	10.73	11.18	10.58	10.81	10.96	11.03
9	10.36	10.37	11.77	11.59	11.69	10.35	10.64	11.24	11.12	10.22	10.90	10.76
10	9.96	10.15	11.99	11.82	12.03	10.17	10.37	11.17	12.39	9.91	10.44	10.12
11	10.22	10.14	11.90	11.95	11.46	10.41	10.09	11.17	11.29	9.41	10.05	---
12	10.31	10.25	11.90	12.01	11.25	11.18	10.65	11.33	11.08	10.42	10.31	---
13	10.28	10.60	11.89	11.93	11.10	10.36	11.09	11.28	11.55	e10.75	10.20	9.72
14	10.56	11.10	12.14	11.79	11.02	10.63	11.13	11.29	10.64	10.56	10.33	10.54
15	11.56	11.23	12.38	11.83	11.18	10.50	11.05	11.05	10.32	10.42	11.05	10.88
16	12.05	11.61	12.28	11.88	11.23	10.31	11.00	10.77	10.68	10.36	10.40	11.09
17	11.03	11.71	12.17	11.83	11.02	10.10	11.26	11.05	10.76	9.98	10.39	11.09
18	10.24	11.40	12.11	11.70	10.53	10.02	11.37	10.94	e10.63	9.63	10.53	10.97
19	10.11	11.33	11.76	12.11	10.96	10.09	11.46	10.97	e10.70	9.74	10.72	10.80
20	10.16	11.31	11.36	12.37	11.23	10.33	11.45	11.05	e10.16	9.80	10.89	10.48
21	10.49	11.31	12.19	11.67	11.22	10.17	11.47	10.98	11.73	9.82	10.98	10.35
22	10.68	11.36	12.23	11.77	11.34	9.96	11.58	12.24	11.79	10.03	11.05	10.73
23	10.04	11.02	12.15	11.67	11.39	10.38	11.92	11.46	11.41	10.30	10.50	10.83
24	9.95	11.23	11.82	11.55	11.43	10.77	11.97	10.25	11.63	10.77	10.56	10.28
25	10.35	11.52	11.20	11.48	11.49	10.95	11.96	10.39	11.15	10.95	10.85	10.24
26	10.01	11.56	11.40	11.53	11.47	10.78	11.88	11.31	10.25	11.05	11.01	10.46
27	10.13	11.36	11.54	11.82	11.32	11.23	12.04	10.95	10.91	11.29	11.45	10.91
28	9.75	11.16	11.64	11.58	11.37	11.47	12.12	10.39	11.60	10.92	10.53	11.11
29	10.23	11.47	11.76	11.34	11.51	11.40	11.96	11.96	10.61	10.81	11.01	11.33
30	10.29	11.59	12.23	11.32	---	11.16	11.31	12.27	11.14	10.78	10.29	11.53
31	10.05	---	11.55	11.47	---	11.77	---	11.42	---	10.78	9.92	---
TOTAL	325.03	328.10	367.05	363.42	327.41	333.26	334.94	345.15	325.63	324.74	330.62	---
MEAN	10.48	10.94	11.84	11.72	11.29	10.75	11.16	11.13	10.85	10.48	10.67	---
MAX	12.05	11.71	12.38	12.37	12.03	11.77	12.12	12.27	12.39	12.31	11.45	---
MIN	9.75	9.98	11.20	11.09	10.53	9.96	10.09	10.25	9.93	9.41	9.92	---

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02280500 HILLSBORO CANAL BELOW S-351, NEAR SOUTH BAY, FL
 DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e113	106	483	146	389	54	-462	-18	51	112	118	80
2	e104	91	552	444	366	-89	94	30	79	179	116	63
3	e206	132	562	396	393	-111	17	26	16	144	47	-40
4	132	95	561	390	502	-131	1.2	-33	-31	150	26	51
5	52	58	504	577	419	66	126	-23	56	-37	137	-58
6	-311	42	331	550	325	169	185	-21	176	e-40	160	62
7	78	-5.4	492	510	237	e77	84	94	221	e30	181	158
8	173	18	496	578	240	e-69	22	246	190	e100	131	112
9	210	30	557	548	326	e-10	-115	243	43	97	-274	39
10	174	1.2	577	544	391	19	-37	258	-329	150	-281	9.9
11	171	59	565	505	163	-55	51	270	-578	124	-146	---
12	120	53	591	417	59	-18	198	262	-234	60	27	---
13	30	264	588	471	103	60	255	266	-207	e55	8.3	113
14	192	376	613	459	149	69	242	173	-40	57	33	-29
15	333	460	651	364	144	18	229	6.8	159	142	-145	-92
16	-110	540	624	447	162	-3.7	291	134	168	91	-65	-94
17	-891	512	615	463	194	e-12	426	283	105	67	-150	-37
18	-1200	415	623	480	191	-52	464	281	e126	119	-29	49
19	-978	412	497	623	97	-17	459	254	e305	16	-43	-8.4
20	-800	411	424	630	188	5.3	470	71	e342	20	-69	-39
21	-203	436	633	463	151	7.1	483	-47	346	21	-6.9	20
22	200	384	647	420	145	122	518	-77	442	150	-89	-69
23	142	234	611	468	193	e204	583	217	355	210	16	-114
24	218	413	410	485	222	e209	547	163	415	337	41	-74
25	301	473	139	492	212	e180	566	-162	413	380	113	-51
26	284	487	345	406	223	226	569	-171	352	453	86	42
27	294	516	489	255	257	349	544	122	363	415	26	109
28	245	539	493	386	202	167	505	157	436	330	84	56
29	220	504	514	419	165	-45	464	32	289	358	-6.3	109
30	175	475	613	378	---	-127	109	162	164	354	56	100
31	144	---	317	362	---	-679	---	179	---	220	70	---
TOTAL	-182	8530.8	16117	14076	6808	582.7	7888.2	3377.8	4193	4864	172.1	---
MEAN	-5.87	284	520	454	235	18.8	263	109	140	157	5.55	---
MAX	333	540	651	630	502	349	583	283	442	453	181	---
MIN	-1200	-5.4	139	146	59	-679	-462	-171	-578	-40	-281	---
AC-FT	-361	16920	31970	27920	13500	1160	15650	6700	8320	9650	341	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1996, BY WATER YEAR (WY)

MEAN	-31.2	9.67	30.9	11.6	45.8	70.0	206	131	-58.7	-122	-112	-148
MAX	296	366	520	454	574	316	676	720	491	482	268	351
(WY)	1995	1974	1996	1996	1993	1995	1993	1966	1989	1992	1974	1992
MIN	-370	-276	-314	-265	-232	-534	-241	-328	-633	-553	-609	-537
(WY)	1965	1960	1960	1964	1963	1970	1957	1968	1968	1975	1981	1960

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

WATER YEARS 1957 - 1996

ANNUAL TOTAL	85029.6	
ANNUAL MEAN	233	-.86
HIGHEST ANNUAL MEAN		214
LOWEST ANNUAL MEAN		-207
HIGHEST DAILY MEAN	783	Apr 21
LOWEST DAILY MEAN	-1240	Aug 25
ANNUAL SEVEN-DAY MINIMUM	-569	Oct 16
ANNUAL RUNOFF (AC-FT)	168700	-1190
10 PERCENT EXCEEDS	521	356
50 PERCENT EXCEEDS	220	10
90 PERCENT EXCEEDS	40	-348

e Estimated

02281200 HILLSBORO CANAL AT S-6, NEAR SHAWANO, FL

LOCATION.--Lat 26°28'18", long 80°26'46", in NE1/4 sec.4, T.46 S., R.39 E., Palm Beach County, Hydrologic Unit 03090202, at pump station 6, and 7 mi southeast of Shawano.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1957 to September 1968 (gage heights and discharge). October 1968 to September 1981 (discharge), October 1990 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meters located upstream of S-6 and downstream of gated culverts on L-6 Canal. Dual water-stage recorder from 1968 to 1981 at S-6. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Oct. 1, 1959, at datum 0.44 ft lower.

REMARKS.--Records poor. Flow regulated by pumpage at S-6, by Structure 351 and pump station 2 at Lake Okeechobee and by drainage and irrigation pumps upstream. Records include flow from Levee 6 Canal since March 15, 1966. Discharge is the summation of pumpage and syphoning at S-6. Negative flow indicates flow to the north due to syphoning at S-6. AVM system began operation October 1990, on both S-6 and L-6 canals. Total discharge is computed by the sum of S-6 and L-6 discharges from relations between stage vs area and line velocity vs mean velocity index ratings.

COOPERATION.--Records furnished by South Florida Water Management District October 1968 to September 1981. Prior to October 1968, pump records furnished by South Florida Water Management District, and records computed by U. S. Geological Survey. After reestablishment in 1991 water year records computed by U.S. Geological Survey.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 24 complete water years of discharge (1958-81).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.74 ft Dec. 25, 1958; minimum, 7.35 ft May 14, 1959.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 12.68 ft. Oct. 6; minimum, 8.70 ft Jan. 22.

SEE THE FOLLOWING PAGES FOR THE TABLES OF STAGE AND DISCHARGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA
02281200 HILLSBORO CANAL AT S-6, NEAR SHAWANO, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.46	9.99	---	11.28	10.67	11.76	9.53	11.00	9.68	9.50	10.73	10.09
2	10.23	9.98	---	10.58	10.40	11.71	9.69	10.73	10.84	10.04	10.94	10.20
3	10.11	9.94	10.75	10.57	10.56	11.49	10.25	11.05	10.88	9.91	10.70	10.82
4	10.20	10.52	10.77	10.54	10.38	11.24	10.45	10.81	10.51	10.17	10.65	10.10
5	10.40	10.83	10.79	10.69	10.80	11.00	10.46	10.41	10.25	10.77	10.90	10.14
6	10.56	11.09	11.30	10.61	11.07	11.24	11.09	10.80	10.09	10.33	11.27	10.20
7	9.24	11.14	10.77	10.44	11.63	11.12	11.34	10.76	10.29	9.25	11.26	10.93
8	9.24	10.44	10.52	10.68	11.65	10.95	10.63	11.15	10.68	9.23	11.11	11.22
9	9.22	10.20	10.61	10.45	11.61	10.70	10.09	11.24	10.91	9.25	10.11	10.05
10	9.33	10.39	10.83	10.68	11.82	10.48	10.24	11.16	9.56	9.28	9.24	9.22
11	9.68	10.36	10.71	10.85	11.63	10.32	10.33	11.13	9.33	9.46	9.67	e9.39
12	10.12	10.55	10.71	11.02	11.43	10.38	10.66	11.39	9.24	10.65	10.17	e9.27
13	10.11	10.27	10.84	10.97	11.24	9.99	11.03	11.30	9.28	e10.64	10.43	9.54
14	9.77	10.41	10.94	10.86	11.19	10.49	11.10	11.43	9.17	10.34	10.56	10.79
15	9.28	10.35	10.99	10.88	11.37	10.74	10.96	11.24	9.75	10.21	10.98	11.14
16	9.87	10.57	10.85	10.98	11.49	10.55	10.89	10.89	10.22	10.20	10.27	11.37
17	10.38	10.71	10.71	10.88	11.22	10.33	10.85	11.06	10.33	9.89	10.65	e11.34
18	10.49	10.64	10.68	10.66	10.71	10.26	10.91	10.96	10.44	9.62	10.76	11.20
19	10.15	10.59	10.50	10.71	11.07	10.44	10.97	11.00	9.90	9.97	10.97	11.07
20	9.82	10.53	10.58	10.64	11.38	10.60	10.98	11.21	9.63	10.03	11.13	10.72
21	9.27	10.61	10.75	10.65	11.42	10.48	11.03	11.12	10.02	10.05	11.23	10.57
22	9.25	10.64	10.50	10.76	11.56	10.15	11.03	10.27	9.24	10.17	11.36	11.02
23	9.20	11.09	10.76	10.63	11.56	10.47	11.28	9.18	9.25	10.39	10.37	10.77
24	9.27	10.50	10.80	10.49	11.58	10.87	11.36	9.70	9.23	10.70	10.79	10.24
25	9.24	10.64	11.44	10.44	11.65	11.03	11.33	10.19	9.20	10.86	11.03	10.49
26	9.24	10.60	10.56	10.61	---	10.84	11.27	9.98	9.55	10.87	10.74	10.63
27	9.24	10.41	10.52	10.95	---	11.11	11.50	9.33	10.44	11.16	10.10	11.07
28	9.50	10.24	10.65	10.68	11.53	11.58	11.54	9.81	10.14	10.90	9.75	11.30
29	10.04	10.55	10.71	10.47	11.72	11.63	11.47	10.64	9.18	10.70	10.52	11.50
30	10.08	e10.64	10.93	10.52	---	11.46	11.32	9.78	9.28	10.70	10.12	11.72
31	9.98	---	10.82	10.82	---	10.96	---	9.64	---	10.82	10.03	---
TOTAL	302.97	315.42	---	331.99	---	336.37	325.58	330.36	296.51	316.06	328.54	318.11
MEAN	9.77	10.51	---	10.71	---	10.85	10.85	10.66	9.88	10.20	10.60	10.60
MAX	10.56	11.14	---	11.28	---	11.76	11.54	11.43	10.91	11.16	11.36	11.72
MIN	9.20	9.94	---	10.44	---	9.99	9.53	9.18	9.17	9.23	9.24	9.22

e Estimated

02281200 HILLSBORO CANAL AT S-6, NEAR SHAWANO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	555	358	---	-.60	551	51	---	133	917	637	93	375
2	510	317	---	411	e441	172	905	589	139	310	139	e414
3	411	329	587	e662	514	192	e301	691	137	317	141	-9.0
4	403	1.4	e497	e390	468	106	e4.0	1190	e263	9.5	176	e258
5	402	30	552	520	31	140	e-4.9	724	e255	32	177	e-9.0
6	e1380	14	-28	512	57	196	4.2	124	e228	1660	e145	-26
7	e1270	26	513	738	e-51	187	21	141	e251	2260	---	e-25
8	e1160	473	518	525	e37	91	365	58	e30	1670	e109	e-45
9	e1150	416	504	439	e86	-1.0	823	1.4	e520	1280	e1140	1140
10	e920	-1.5	537	513	e111	-2.5	478	-14	---	1180	e1100	1500
11	e668	-.10	527	564	e153	967	e-24	.70	---	528	---	e2140
12	438	4.5	528	588	e232	1700	e-3.0	10	e2120	87	---	e1780
13	413	343	639	608	40	911	e175	e-17	2220	e655	e-24	738
14	996	484	565	587	e2.0	503	e146	111	1780	573	e-29	-42
15	1870	427	580	551	e-52	-13	e122	131	950	480	e344	19
16	2200	457	551	535	e-12	-42	179	84	714	462	e496	63
17	2330	e524	503	532	-3.0	16	82	-38	770	381	e114	e-1.0
18	2380	524	482	499	e79	78	25	-19	516	279	e.00	e-1.5
19	2280	521	658	527	e-5.0	107	4.5	-30	780	184	5.0	e7.0
20	2180	550	338	715	e3.9	-6.1	.00	80	554	77	-13	-36
21	1910	396	488	527	e49	-4.0	-1.3	179	1260	122	2.0	e8.0
22	1720	513	660	485	e4.2	91	7.5	1520	1450	87	e37	e-36
23	1240	27	538	475	-27	20	64	1620	1280	14	e458	557
24	1040	461	543	428	---	.00	28	e682	1420	34	e.00	378
25	1220	520	31	401	---	.00	27	e487	1220	10	-1.3	-12
26	1030	505	477	446	---	-1.4	-33	e1220	609	13	395	-24
27	938	524	449	569	---	-35	206	1550	461	7.0	1060	29
28	449	485	461	471	---	55	247	e853	1240	8.0	e692	-7.0
29	370	522	485	433	---	---	252	1690	1330	81	e452	21
30	409	e537	542	487	---	---	e346	e2360	e1330	31	e382	-11
31	380	---	533	576	---	---	---	e2120	---	31	e140	---
TOTAL	34622	10287.30	---	15713.40	---	---	---	18231.10	---	13499.5	---	9142.5
MEAN	1117	343	---	507	---	---	---	588	---	435	---	305
MAX	2380	550	---	738	---	---	---	2360	---	2260	---	2140
MIN	370	-1.5	---	-.60	---	---	---	-38	---	7.0	---	-45
AC-FT	68670	20400	---	31170	---	---	---	36160	---	26780	---	18130

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1996, BY WATER YEAR (WY)

	MEAN	362	156	117	209	135	129	97.8	212	338	339	383	512
MAX	1431	1417	1120	1326	591	1020	410	855	1343	980	1355	1695	
(WY)	1995	1995	1995	1958	1994	1970	1995	1966	1968	1995	1994	1960	
MIN	-57.4	-29.3	.000	.000	-84.0	-65.9	.000	-11.5	-152	.000	43.2	4.63	
(WY)	1981	1992	1971	1975	1991	1991	1974	1993	1980	1981	1958	1961	

SUMMARY STATISTICS

WATER YEARS 1958 - 1996

ANNUAL MEAN	212	
HIGHEST ANNUAL MEAN	490	1966
LOWEST ANNUAL MEAN	68.1	1962
HIGHEST DAILY MEAN	2970	Jun 9 1966
LOWEST DAILY MEAN	-673	Apr 16 1991
ANNUAL SEVEN-DAY MINIMUM	-407	Jun 12 1980
ANNUAL RUNOFF (AC-FT)	153700	
10 PERCENT EXCEEDS	964	
50 PERCENT EXCEEDS	.00	
90 PERCENT EXCEEDS	.00	

e Estimated

02281400 HILLSBORO CANAL NEAR MARGATE, FL

LOCATION.--Lat 26°19'48", long 80°12'45", in NW1/4 sec.36, T.47 S., R.41 E., Broward County, Hydrologic Unit 03090202, on north side of Hillsboro Road, 0.7 mi west of US 441, and 5.1 mi north of Margate.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1975 to current year.

GAGE.--Water-stage and electromagnetic velocity meter recorders. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Flow affected by regulation downstream at Deerfield Beach and upstream storage releases at control structure S-39.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 14 complete water years of discharge (1977-89, 1996).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 12.88 ft Apr. 25, 1979; minimum, 4.00 ft July 19, 1994.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 9.56 ft June 20; minimum, 6.46 ft Sept. 12.

STATION NUMBER 02281400
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.59	7.13	7.34	7.91	7.82	8.10	7.93	7.94	7.82	7.75	7.86	7.65
2	7.89	7.16	7.43	7.78	7.74	8.12	7.83	7.99	7.82	7.63	7.62	7.40
3	7.60	7.09	7.44	7.80	7.74	7.94	8.32	8.10	7.77	7.55	7.89	7.90
4	7.40	7.04	7.56	7.79	7.70	7.64	8.55	8.37	7.67	7.85	7.70	7.95
5	7.44	7.16	7.43	7.97	7.70	7.94	8.21	8.41	7.80	7.76	7.90	7.53
6	7.70	7.11	7.46	7.74	7.88	8.06	8.38	8.36	7.75	7.44	7.74	7.89
7	7.47	7.12	7.73	7.83	7.67	7.92	8.31	8.25	7.81	7.42	7.82	7.79
8	7.19	7.11	7.70	7.79	8.01	7.99	8.37	8.10	7.78	7.93	7.63	7.38
9	7.38	7.13	7.65	7.74	7.75	8.31	7.86	8.05	7.70	7.57	7.88	7.94
10	7.29	7.07	8.12	7.76	8.20	8.46	7.91	8.03	8.06	7.57	7.79	7.95
11	7.49	7.14	7.93	7.73	8.23	7.90	7.59	7.98	7.65	7.58	7.91	7.28
12	7.44	7.18	7.83	7.81	8.17	8.02	7.57	7.93	7.65	7.51	7.97	7.09
13	7.22	7.16	8.08	7.65	8.19	7.93	7.73	7.96	7.71	7.73	7.93	7.36
14	7.06	7.15	8.17	7.77	8.15	8.16	7.61	8.26	7.84	7.73	7.82	8.07
15	7.26	7.09	8.01	7.81	8.10	8.23	7.85	7.93	7.43	7.77	7.45	7.95
16	8.04	7.01	7.93	7.73	8.16	8.02	7.93	7.55	7.87	7.64	7.91	7.82
17	8.16	7.06	7.89	7.83	8.33	8.36	7.84	7.60	7.75	7.71	7.92	7.85
18	8.42	6.92	7.95	7.81	8.21	8.30	7.50	7.66	7.85	7.58	7.73	7.92
19	7.74	7.02	7.94	7.79	8.17	8.48	7.81	7.70	7.83	7.76	7.73	7.85
20	7.62	7.01	7.93	7.62	8.03	8.18	7.83	7.93	8.50	7.88	8.01	7.87
21	7.19	7.15	7.74	7.93	8.33	8.12	7.81	7.89	9.27	7.92	7.96	7.89
22	7.10	7.38	7.86	7.70	8.24	8.29	7.74	7.44	8.89	7.95	7.93	8.01
23	7.14	7.37	8.04	7.76	8.06	8.05	7.67	7.79	8.31	7.87	7.85	7.79
24	7.13	7.40	7.94	7.76	8.38	8.40	7.65	8.08	7.53	7.72	7.94	7.88
25	7.13	7.41	7.90	7.84	8.64	8.52	7.95	7.78	7.60	7.73	7.60	7.81
26	7.16	7.39	7.89	7.84	8.55	8.45	7.96	7.78	7.77	7.85	7.59	7.92
27	7.22	7.38	7.85	7.64	8.45	8.41	7.60	7.83	7.89	7.72	7.80	7.38
28	7.20	7.40	7.94	7.68	8.20	8.44	7.94	7.90	7.99	7.75	7.71	7.71
29	7.18	7.49	7.83	7.87	8.16	8.48	8.01	8.05	7.76	8.07	7.43	7.99
30	7.24	7.49	7.91	7.80	---	8.41	8.02	8.03	7.70	7.95	7.45	8.04
31	7.14	---	7.99	7.71	---	8.44	---	7.77	---	8.08	7.96	---
TOTAL	230.23	215.72	242.41	241.19	234.96	254.07	237.28	246.44	236.77	239.97	241.43	232.86
MEAN	7.43	7.19	7.82	7.78	8.10	8.20	7.91	7.95	7.89	7.74	7.79	7.76
MAX	8.42	7.49	8.17	7.97	8.64	8.52	8.55	8.41	9.27	8.08	8.01	8.07
MIN	7.06	6.92	7.34	7.62	7.67	7.64	7.50	7.44	7.43	7.42	7.43	7.09

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 129

02281400 HILLSBORO CANAL NEAR MARGATE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	517	576	516	307	165	1.1	182	25	165	529	77	.00
2	596	564	531	353	160	31	30	13	175	515	36	.00
3	543	545	534	272	148	100	1.1	19	150	516	36	39
4	461	557	516	281	154	74	7.2	.00	157	426	57	.00
5	537	589	534	381	263	115	37	.00	127	342	.00	.00
6	560	597	531	412	142	.00	15	.00	128	206	38	e.00
7	484	610	462	261	106	.00	129	.00	167	160	28	.00
8	327	630	362	357	3.1	1.1	208	.00	148	283	25	.00
9	364	606	387	388	13	.00	470	.00	263	389	57	140
10	407	615	356	326	.00	118	271	1.1	572	370	71	282
11	597	641	327	363	.00	173	493	.00	410	494	108	183
12	606	628	390	428	.00	151	515	.00	374	408	77	134
13	444	598	439	401	5.5	81	476	5.9	236	329	75	19
14	313	619	372	355	5.4	30	511	157	268	321	108	78
15	357	586	338	366	7.5	43	241	56	170	371	e84	108
16	529	579	346	423	8.4	71	24	.00	222	175	.00	151
17	483	608	385	398	25	.00	39	.00	191	144	.00	37
18	635	568	380	302	.00	25	115	.00	147	154	.00	108
19	666	588	402	151	.00	118	104	.00	162	185	30	65
20	675	613	355	136	1.1	91	109	7.2	305	174	65	15
21	612	593	346	164	21	.00	112	113	735	146	35	45
22	583	528	379	164	.00	1.1	119	159	1010	165	.00	121
23	560	518	356	212	12	13	98	118	907	144	65	123
24	566	542	391	229	45	33	71	179	773	128	.00	11
25	591	546	350	123	55	5.7	27	164	348	133	.00	49
26	584	545	364	184	12	.00	25	88	428	129	13	61
27	598	542	367	149	9.6	.00	48	177	547	134	.00	62
28	586	547	381	149	.00	5.7	76	133	560	151	.00	.00
29	594	526	380	163	.00	.00	35	264	556	5.9	.00	.00
30	597	544	365	149	---	5.6	79	302	534	14	e5.1	84
31	568	---	325	169	---	59	---	165	---	4.6	e.00	---
TOTAL	16540	17348	12467	8516	1361.60	1346.30	4667.3	2146.20	10935	7645.5	1090.10	1915.00
MEAN	534	578	402	275	47.0	43.4	156	69.2	364	247	35.2	63.8
MAX	675	641	534	428	263	173	515	302	1010	529	108	282
MIN	313	518	325	123	.00	.00	1.1	.00	127	4.6	.00	.00
AC-FT	32810	34410	24730	16890	2700	2670	9260	4260	21690	15160	2160	3800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1996, BY WATER YEAR (WY)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
MEAN	178	193	175	229	201	183	194	132	186	206	240	218
MAX	534	578	534	461	434	475	458	449	460	624	630	518
(WY)	1996	1996	1995	1995	1983	1986	1983	1982	1982	1986	1995	1995
MIN	77.5	44.9	46.8	47.4	47.0	43.4	54.8	38.2	45.4	63.1	35.2	40.3
(WY)	1990	1994	1994	1992	1996	1996	1977	1995	1985	1994	1996	1992

SUMMARY STATISTICS

FOR 1996 WATER YEAR

WATER YEARS 1976 - 1996

ANNUAL TOTAL	85978.00	
ANNUAL MEAN	235	207
HIGHEST ANNUAL MEAN		322
LOWEST ANNUAL MEAN		103
HIGHEST DAILY MEAN	1010	1060
LOWEST DAILY MEAN	.00	-247
ANNUAL SEVEN-DAY MINIMUM	.16	-45
ANNUAL RUNOFF (AC-FT)	170500	150000
10 PERCENT EXCEEDS	569	425
50 PERCENT EXCEEDS	157	139
90 PERCENT EXCEEDS	.00	42

e Estimated

PAGE 130

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02282700 MIDDLE RIVER CANAL AT S-36, NEAR FORT LAUDERDALE, FL

LOCATION.--Lat 26°10'22", long 80°10'47", in NW1/4 sec.20, T.49 S., R.42 E., Broward County, Hydrologic Unit 03090202, 20 ft from south bank, 120 ft upstream from salinity-control structure 36, 1.5 mi east of bridge on US 441, and 5 mi west of Fort Lauderdale.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1955 to September 1961 (gage heights only), October 1961 to current year.

GAGE.--Water-stage recorders upstream and downstream and gate-opening recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to October 1, 1993 both upstream and downstream gage heights at datum, 0.214 ft. higher. Discharge not affected by the change in datum. Electromagnetic velocity meter and deflection vane recorder at same site prior to October 1, 1985.

REMARKS.--No estimated daily discharges. Records fair. Flow is at times affected by tide and occasionally reversed. Flow is regulated by operation of salinity-control structure 36. Discharge computed from the relationship of gate opening versus head difference. Records of gage heights prior to October 1961 are available in files of the U.S. Geological Survey.

COOPERATION.--Gage height and S-36 gate-operation records provided by South Florida Water Management District upon request.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 29 complete water years of discharge (1962-90).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 7.38 ft Dec. 27, 1958; minimum, -0.53 ft June 28, 1958.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 5.01 ft. Jan. 4; minimum, 2.20 ft. Oct. 31.

SEE FOLLOWING PAGES FOR TABLES OF STAGE AND DISCHARGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 131

02282700 MIDDLE RIVER CANAL AT S-36, NEAR FORT LAUDERDALE, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.67	4.69	4.64	4.64	4.21	4.71	4.47	4.39	4.70	4.22	4.27	4.85
2	4.58	4.69	4.58	4.68	4.60	4.75	4.45	4.57	4.83	4.19	4.74	4.80
3	4.67	4.72	4.61	4.55	4.48	4.80	4.44	4.59	4.86	4.73	4.69	4.46
4	4.55	4.72	4.52	4.70	4.19	4.78	4.45	4.56	4.62	4.63	4.45	4.42
5	4.40	4.62	4.59	4.70	4.57	4.79	4.40	4.50	4.22	4.17	4.54	4.33
6	4.28	4.64	4.59	4.69	4.68	4.83	4.35	4.45	4.35	4.66	4.69	4.18
7	4.39	4.71	4.61	4.62	4.72	4.85	4.34	4.45	4.67	4.81	4.78	4.22
8	4.48	4.64	4.63	4.67	4.75	4.83	4.40	4.47	4.75	4.53	4.81	4.60
9	4.43	4.78	4.60	4.67	4.73	4.73	4.64	4.47	4.69	3.51	4.58	4.68
10	4.49	4.71	4.64	4.71	4.69	4.68	4.80	4.40	4.30	2.85	4.29	3.95
11	4.53	4.63	4.65	4.72	4.65	4.64	4.75	4.44	4.45	3.56	4.74	3.76
12	4.61	4.69	4.75	4.71	4.59	4.39	4.65	4.38	4.62	4.18	4.54	3.74
13	4.73	4.73	4.62	4.75	4.52	4.17	4.57	4.42	4.63	4.39	4.73	3.76
14	4.50	4.56	4.69	4.69	4.50	4.38	4.50	4.34	4.50	4.61	4.84	3.74
15	4.35	4.75	4.72	4.71	4.50	4.47	4.45	4.19	4.32	4.71	4.67	3.83
16	3.78	4.68	4.68	4.71	4.54	4.47	4.45	4.52	4.15	4.84	4.50	3.83
17	3.53	4.64	4.65	4.71	4.54	4.46	4.35	4.58	4.40	4.40	4.75	3.80
18	3.80	4.62	4.68	4.62	4.54	4.45	4.30	4.59	4.79	4.78	4.81	3.85
19	3.63	4.63	4.54	4.72	4.54	4.53	4.24	4.57	4.61	4.91	4.23	4.22
20	3.40	4.67	4.62	4.43	4.55	4.53	4.18	4.62	4.32	4.96	4.37	4.36
21	3.32	4.59	4.64	4.30	4.56	4.49	4.14	4.50	4.39	4.98	4.21	4.46
22	3.35	4.61	4.60	4.18	4.58	4.47	4.09	4.10	4.36	4.53	4.21	4.69
23	3.31	4.70	4.55	4.08	4.56	4.47	4.07	4.48	4.38	4.70	4.17	4.57
24	3.26	4.64	4.64	4.34	4.55	4.47	4.10	4.18	4.27	4.78	4.11	4.23
25	3.84	4.69	4.61	4.67	4.54	4.49	4.08	4.29	4.57	4.59	4.55	4.58
26	4.62	4.62	4.68	4.78	4.56	4.49	4.18	4.47	4.31	4.73	4.76	4.62
27	4.48	4.72	4.64	4.36	4.67	4.47	4.57	3.71	4.19	4.73	4.60	4.65
28	4.64	4.65	4.69	4.11	4.77	4.47	4.73	3.81	4.17	4.75	4.20	4.67
29	4.70	4.51	4.64	4.56	4.74	4.44	4.83	3.69	4.21	4.77	4.43	4.67
30	4.70	4.57	4.69	4.82	---	4.41	4.63	3.67	4.54	4.80	4.71	4.75
31	4.50	---	4.63	4.38	---	4.43	---	4.07	---	4.75	4.81	---
TOTAL	130.52	139.82	143.62	141.98	132.62	141.34	132.60	134.47	134.17	139.75	140.78	129.27
MEAN	4.21	4.66	4.63	4.58	4.57	4.56	4.42	4.34	4.47	4.51	4.54	4.31
MAX	4.73	4.78	4.75	4.82	4.77	4.85	4.83	4.62	4.86	4.98	4.84	4.85
MIN	3.26	4.51	4.52	4.08	4.19	4.17	4.07	3.67	4.15	2.85	4.11	3.74

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02282700 MIDDLE RIVER CANAL AT S-36, NEAR FORT LAUDERDALE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	97	---	124	87	.00	.00	40	.00	130	---	.00
2	161	100	---	106	.00	.00	.00	.00	.00	94	---	48
3	103	94	---	187	90	.00	.00	.00	.00	.00	64	130
4	118	67	---	111	86	.00	.00	.00	87	70	84	126
5	173	119	---	99	.00	.00	.00	.00	134	105	75	119
6	324	107	---	110	.00	.00	.00	.00	41	.00	.00	121
7	291	69	---	155	.00	.00	.00	.00	.00	.00	.00	70
8	215	93	---	118	.00	.00	.00	.00	6.3	94	.00	.00
9	227	51	146	125	.00	.00	.00	.00	94	213	69	51
10	220	72	126	99	.00	.00	.00	.00	187	200	74	298
11	189	100	130	90	.00	90	.00	.00	129	44	.00	215
12	131	76	87	104	.00	135	.00	.00	133	.00	46	198
13	123	80	162	86	.00	128	.00	.00	135	.00	.00	156
14	200	106	112	110	.00	3.9	.00	143	134	.00	.00	137
15	260	65	101	103	.00	.00	.00	95	134	.00	37	111
16	542	95	119	95	.00	.00	.00	.83	133	.00	66	120
17	627	106	111	104	.00	.00	.00	.00	43	103	.00	121
18	689	102	119	99	.00	.00	.00	.00	.00	.00	.67	81
19	663	100	167	58	.00	.00	.00	.00	83	.00	112	25
20	538	87	143	139	.00	.00	.00	.00	149	.00	113	.00
21	450	97	97	136	.00	.00	.00	168	259	.00	128	.00
22	374	124	143	135	.00	.00	.00	226	281	93	124	.00
23	350	67	175	129	.00	.00	.00	124	210	.00	124	84
24	339	77	108	38	.00	.00	.00	134	188	.00	121	79
25	134	75	101	.00	.00	.00	.00	43	115	31	7.9	.00
26	64	94	116	26	.00	.00	.00	103	143	.00	7.7	.00
27	82	74	120	140	.00	.00	.00	227	138	.00	70	.00
28	126	67	89	130	.00	.00	.00	184	135	.00	121	.00
29	90	183	124	.00	.00	.00	.00	235	81	---	28	.00
30	70	---	106	.93	---	.00	74	235	73	---	.00	.66
31	---	---	132	149	---	.00	---	101	---	---	.00	---
TOTAL	---	---	---	3105.93	263.00	356.90	74.00	2058.83	3245.30	---	---	2290.66
MEAN	---	---	---	100	9.07	11.5	2.47	66.4	108	---	---	76.4
MAX	---	---	---	187	90	135	74	235	281	---	---	298
MIN	---	---	---	.00	.00	.00	.00	.00	.00	---	---	.00
AC-FT	---	---	---	6160	522	708	147	4080	6440	---	---	4540

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1996, BY WATER YEAR (WY)

MEAN	88.4	71.6	30.8	27.5	27.4	33.7	33.9	45.9	105	89.1	97.1	96.7
MAX	277	332	126	123	242	246	220	249	278	226	308	336
(WY)	1984	1995	1979	1979	1983	1983	1979	1979	1983	1980	1982	1983
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1962	1962	1962	1962	1962	1962	1963	1962	1963	1963	1963	1967

SUMMARY STATISTICS

WATER YEARS 1962 - 1996

ANNUAL MEAN	59.6
HIGHEST ANNUAL MEAN	197
LOWEST ANNUAL MEAN	1.44
HIGHEST DAILY MEAN	1490
LOWEST DAILY MEAN	-61
ANNUAL SEVEN-DAY MINIMUM	.00
ANNUAL RUNOFF (AC-FT)	43180
10 PERCENT EXCEEDS	212
50 PERCENT EXCEEDS	.00
90 PERCENT EXCEEDS	.00

02283200 PLANTATION ROAD CANAL AT S-33, NEAR FORT LAUDERDALE, FL

LOCATION.--Lat 26°08'05", long 80°11'42", in SW1/4 sec.31, T.49 S., R.42 E., Broward County, Hydrologic Unit 03090202, 15 ft streamward from left bank, 130 ft upstream from salinity-control structure 33, 0.5 mi east of bridge on US 441, 3 mi above mouth, and 4 mi west of Fort Lauderdale.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1955 to February 1962 (gage heights only), March 1962 to current year.

GAGE.--Water-stage recorders upstream and downstream and gate-opening recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--No estimated daily discharges. Records are fair. Flow is at times affected by tide and is occasionally reversed. Flow is regulated by operation of salinity-control structure 33. Records of gage heights prior to October 1961 are available in files of the U.S. Geological Survey.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 27 complete water years of discharge (1963-86,1988-89, 1993).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 6.16 ft Apr. 25, 1979; minimum, -0.82 ft Mar. 4, 1958.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 4.47 ft. June 21; minimum, 2.87 ft May 27, and June 22.

STATION NUMBER 02283200
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.73	---	3.78	3.50	3.67	3.47	3.51	3.56	3.81	3.46	3.31	---
2	3.78	---	3.75	3.50	3.71	3.51	3.49	3.52	3.88	3.36	3.33	---
3	3.66	---	3.70	3.58	3.80	3.58	3.44	3.53	3.89	3.29	3.50	---
4	3.82	---	3.66	3.63	3.82	3.57	3.42	3.52	3.87	3.15	3.74	---
5	3.83	---	3.70	3.56	3.80	3.56	3.38	3.49	3.83	3.01	3.64	---
6	3.66	---	3.67	3.51	3.78	3.57	3.36	3.45	3.78	3.29	3.63	---
7	3.32	---	3.65	3.61	3.77	3.57	3.38	3.37	3.73	3.49	3.62	---
8	3.32	3.60	3.63	3.63	3.78	3.58	3.50	3.33	3.68	3.56	3.58	---
9	3.14	3.56	3.61	3.57	3.78	3.58	3.67	3.33	3.78	3.60	3.55	---
10	3.48	3.52	3.59	3.55	3.78	3.63	3.67	3.31	3.35	3.61	3.53	3.67
11	3.51	3.50	3.57	3.52	3.77	3.72	3.63	3.35	3.26	3.59	3.51	3.05
12	3.41	3.48	3.54	3.46	3.76	3.39	3.59	3.36	3.33	3.54	3.54	3.32
13	3.52	3.45	3.55	3.40	3.73	3.82	3.58	3.35	3.29	3.51	3.50	---
14	3.70	3.44	3.56	3.33	3.70	3.81	3.57	3.50	3.50	3.47	3.46	---
15	3.42	3.44	3.55	3.28	3.68	3.76	3.54	3.42	3.39	3.43	3.43	---
16	3.47	3.53	3.55	3.31	3.69	3.75	3.52	3.40	3.55	3.49	3.42	---
17	---	3.59	3.53	3.41	3.68	3.76	3.48	3.38	3.54	3.49	3.39	---
18	---	3.54	3.46	3.45	3.64	3.77	3.44	3.35	3.88	3.46	3.35	---
19	---	3.46	3.46	3.53	3.60	3.52	3.41	3.31	3.46	3.44	3.48	---
20	---	3.40	3.51	3.51	3.56	3.64	3.38	3.34	3.65	3.42	3.83	---
21	---	3.47	3.48	3.46	3.51	3.75	3.35	3.60	3.60	3.40	3.85	---
22	---	3.54	3.47	3.46	3.47	3.75	3.31	3.22	3.46	3.38	3.86	---
23	---	3.57	3.55	3.45	3.47	3.73	3.27	3.66	3.13	3.35	3.88	---
24	---	3.60	3.56	3.45	3.51	3.68	3.27	3.81	3.13	3.32	3.86	---
25	---	3.61	3.55	3.48	3.51	3.60	3.26	3.82	3.26	3.28	3.81	---
26	---	3.61	3.54	3.55	3.50	3.53	3.24	3.83	3.24	3.25	3.76	---
27	---	3.62	3.52	3.53	3.50	3.48	3.24	3.33	3.21	3.27	3.50	---
28	---	3.62	3.50	3.44	3.48	3.44	3.30	3.81	3.19	3.27	3.34	---
29	---	3.56	3.48	3.41	3.48	3.43	3.28	3.32	3.14	3.27	---	---
30	---	3.61	3.46	3.58	---	3.41	3.40	3.62	3.31	3.28	---	---
31	---	---	3.48	3.65	---	3.43	---	3.46	---	3.30	---	---
MEAN	---	---	3.57	3.49	3.65	3.61	3.43	3.47	3.50	3.39	---	---
MAX	---	---	3.78	3.65	3.82	3.82	3.67	3.83	3.89	3.61	---	---
MIN	---	---	3.46	3.28	3.47	3.39	3.24	3.22	3.13	3.01	---	---

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02283200 PLANTATION ROAD CANAL AT S-33, NEAR FORT LAUDERDALE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	.00	.00	.00	1.7	.00	.00	.00	.00	55	.00	.00
2	64	.00	.00	.00	.00	.00	.00	.00	.00	54	.00	---
3	49	.00	.00	.00	.00	.00	.00	.00	.00	54	.00	---
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	52	.00	---
5	34	.00	.00	.00	.00	.00	.00	.00	.00	45	.00	---
6	64	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	---
7	76	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	---
8	77	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	---
9	73	.00	.00	.00	.00	.00	.00	.00	33	.00	.00	---
10	15	.00	.00	.00	.00	.00	.00	.00	77	.00	.00	92
11	57	.00	.00	.00	.00	29	.00	.00	36	.00	.00	89
12	23	.00	.00	.00	.00	13	.00	.00	88	.00	.00	35
13	33	.00	.00	.00	.00	.00	.00	.00	89	.00	.00	.00
14	42	.00	.00	.00	.00	.00	.00	.00	18	.00	.00	.00
15	72	.00	.00	.00	.00	.00	.00	.00	43	.00	.00	.00
16	96	.00	.00	.00	.00	.00	.00	.00	42	.00	.00	.00
17	---	.00	.00	.00	.00	.00	.00	.00	4.3	.00	.00	.00
18	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	---	.00	.00	.00	.00	27	.00	.00	35	.00	.00	.00
20	---	.00	.00	.00	.00	.00	.00	.00	32	.00	.00	.00
21	---	.00	.00	.00	.00	.00	.00	27	86	.00	.00	.00
22	---	.00	.00	.00	.00	.00	.00	54	89	.00	.00	---
23	---	.00	.00	.00	.00	.00	.00	.00	82	.00	.00	---
24	---	.00	.00	.00	.00	.00	.00	.00	78	.00	.00	.00
25	---	.00	.00	.00	.00	.00	.00	.00	57	.00	.00	.00
26	---	.00	.00	.00	.00	.00	.00	32	58	.00	.00	.00
27	---	.00	.00	.00	.00	.00	.00	47	56	.00	39	.00
28	.00	.00	.00	.00	.00	.00	.00	26	55	.00	12	.00
29	.00	28	.00	.00	.00	.00	.00	57	53	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	38	53	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	7.3	---	.00	.00	---
TOTAL	---	28.00	0.00	0.00	1.70	69.00	0.00	288.30	1164.30	260.00	51.00	---
MEAN	---	.93	.000	.000	.059	2.23	.000	9.30	38.8	8.39	1.65	---
MAX	---	28	.00	.00	1.7	29	.00	57	89	55	39	---
MIN	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	---
AC-FT	---	56	.00	.00	3.4	137	.00	572	2310	516	101	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1996, BY WATER YEAR (WY)

MEAN	22.0	17.9	11.1	10.2	10.7	9.30	10.9	12.4	28.4	25.0	23.8	27.9
MAX	57.9	59.6	41.9	48.1	43.4	55.5	60.3	70.5	79.6	80.0	75.9	54.3
(WY)	1968	1970	1968	1968	1972	1970	1977	1979	1977	1988	1976	1973
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1971	1963	1963	1963	1971	1963	1963	1962	1971	1971	1987	1989

SUMMARY STATISTICS

WATER YEARS 1962 - 1996

ANNUAL MEAN	19.1	
HIGHEST ANNUAL MEAN	40.1	1969
LOWEST ANNUAL MEAN	.99	1971
HIGHEST DAILY MEAN	748	Jul 3 1988
LOWEST DAILY MEAN	.00	Apr 4 1962
ANNUAL SEVEN-DAY MINIMUM	.00	Apr 19 1962
ANNUAL RUNOFF (AC-FT)	13820	
10 PERCENT EXCEEDS	47	
50 PERCENT EXCEEDS	4.3	
90 PERCENT EXCEEDS	.00	

02283498 NORTH NEW RIVER CANAL AT S-2 AND S-351, NEAR SOUTH BAY, FL

LOCATION.--Lat 26°42'00", long 80°42'55", in SW1/4 sec.35, T.43 S., R.36 E., Palm Beach County, Hydrologic Unit 03090202, at pump station 2 and gate structure S-351, 500 ft upstream from Hillsboro Canal, and 2.7 mi north of South Bay.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1957 to September 1967 (gage heights only), October 1967 to current year.

REVISED RECORDS.--WDR FL-77-2A: 1974; WDR FL-93-2A: 1989, 1992.

GAGE.--Satellite data collection platform with water-stage shaft encoders for lake and canal stages in pump station 2; potentiometer-gage recorders on hydraulic ram of each gate, and pump tachometer. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Jan. 18, 1965, water-stage recorder at site 1,600 ft downstream at same datum. Electromagnetic velocity meter and digital recorder in lock chamber installed 1981 water year were removed October, 1986. Prior to Sept. 8, 1988, digital lake water-stage recorder in control house of lock. Prior to Feb. 21, 1992, digital lake and canal water-stage recorders, and A-35 graphic recorder.

REMARKS.--Records fair except for estimated daily discharges which are poor. Flow regulated by gates and pump station at Lake Okeechobee. Discharge is summation of S-351 flow, S-2 pumpage and syphonage. Flow frequently reversed during and after periods of heavy rainfall by pumpage into the canal from agricultural lands in the Everglades, by the operation of pump station No. 2 (negative figures indicate flow reversed) and by gravity flow through gates during periods of negative head. See records for North New River Canal below S-351, near South Bay (station 02283500) for table of daily canal gage height. Discharge computed from relations between discharge, head, gate openings, and pump tachometer and submergence and discharge coefficient. Lake stage published under 02283498. Formerly published as North New River Canal at S-2 and HGS-4, near South Bay. Records of gage heights prior to October 1967 are available in files of the U.S. Geological Survey. Extreme stages for period of record for lake gage height are not listed due to the unavailability of historical files.

COOPERATION.--S-2 pump record and S-351 gate-operation record provided by South Florida Water Management District. Gate operation logs are used as back-up data only.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 29 water years of discharge (1968-96).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum canal gage height, 14.09 ft Sept. 28, 1962; minimum canal gage height, 6.98 ft, Oct. 28, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum lake gage height, 19.22 ft Oct. 29; maximum canal gage height, 13.15 ft June 10; minimum lake gage height, 14.57 ft May 28; minimum canal gage height, 9.20 ft July 11.

SEE FOLLOWING PAGES FOR TABLES OF STAGE AND DISCHARGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02283498 NORTH NEW RIVER CANAL AT S-2 AND S-351, NEAR SOUTH BAY, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.36	18.48	17.10	16.17	15.99	e15.45	15.95	e15.52	15.44	15.88	15.35	15.38
2	17.32	18.44	17.05	16.14	15.84	e15.87	16.19	e15.46	15.41	15.86	15.31	15.36
3	17.19	18.40	16.99	16.44	16.06	16.03	15.94	e15.38	15.39	15.87	15.31	15.36
4	16.94	18.50	16.98	16.37	16.43	e15.72	15.84	15.41	15.41	15.77	15.33	15.50
5	17.11	18.43	16.94	16.35	16.54	e15.58	15.85	15.40	15.37	15.83	15.25	15.39
6	17.36	18.31	16.90	16.31	16.30	e15.56	15.86	15.36	15.36	15.88	15.24	15.29
7	17.40	18.19	16.87	16.55	15.95	e15.50	15.91	15.33	15.30	15.90	15.25	15.30
8	17.46	18.31	16.87	16.84	15.88	16.02	15.96	15.27	15.27	15.87	15.25	15.27
9	17.41	18.52	16.82	16.40	15.85	16.27	16.03	15.23	15.33	15.94	15.35	15.24
10	17.49	18.13	17.13	16.29	15.84	16.06	16.20	15.22	15.40	16.02	15.35	15.24
11	17.50	18.06	17.08	16.26	15.84	16.60	16.03	15.20	15.48	15.98	15.38	e15.28
12	17.53	18.33	16.80	16.32	16.03	16.15	15.85	15.22	15.55	15.94	15.41	e15.31
13	17.50	18.11	16.72	16.43	16.08	15.80	15.83	15.18	15.53	15.97	15.42	15.28
14	17.49	18.19	16.66	16.23	15.79	15.75	15.86	15.19	15.52	15.92	15.41	15.26
15	17.66	18.08	16.64	16.20	15.72	e15.68	15.83	15.14	15.49	15.92	15.41	15.19
16	17.97	17.90	16.62	16.18	16.06	e15.70	15.97	15.15	15.48	15.86	15.40	15.13
17	17.98	17.85	16.57	16.15	16.09	e15.61	15.95	15.06	15.54	15.84	15.41	15.19
18	18.18	17.75	16.51	16.15	15.75	e15.48	15.80	15.04	15.49	15.85	15.41	15.24
19	18.35	17.75	16.45	16.19	15.69	15.97	15.76	15.04	15.53	15.83	15.39	15.30
20	18.52	17.65	16.74	16.25	15.71	15.83	15.74	15.00	e15.53	15.79	15.37	15.20
21	18.71	17.63	16.68	16.18	15.72	15.98	15.71	15.06	e15.64	15.80	15.37	15.12
22	18.76	17.75	16.58	16.24	15.71	e15.71	e15.61	15.15	15.67	15.77	15.35	15.18
23	18.71	17.50	16.83	16.10	15.71	e15.74	e15.57	15.17	15.78	15.71	15.30	15.25
24	18.77	17.45	16.74	16.09	15.71	e15.57	e15.64	15.13	15.77	15.62	15.33	15.18
25	18.77	17.60	16.61	16.19	15.73	e15.49	e15.55	15.19	15.76	15.56	15.34	15.10
26	18.77	17.44	16.47	16.05	15.70	e15.50	e15.45	15.15	15.81	15.52	15.33	15.03
27	18.68	17.24	16.36	16.09	15.70	e15.44	e15.53	15.12	15.87	15.48	15.30	15.00
28	18.71	17.17	16.35	16.22	15.70	15.60	e15.37	15.21	15.83	15.43	15.30	14.98
29	18.92	17.13	16.35	16.08	15.72	15.80	e15.24	15.28	15.87	15.39	15.32	14.98
30	---	17.21	16.23	16.05	---	15.81	e15.20	15.38	15.96	15.38	15.34	14.98
31	---	---	16.19	16.03	---	15.95	---	15.43	---	15.36	15.34	---
TOTAL	---	537.50	517.83	503.54	460.84	489.22	473.22	472.07	466.78	488.74	475.62	456.51
MEAN	---	17.92	16.70	16.24	15.89	15.78	15.77	15.23	15.56	15.77	15.34	15.22
MAX	---	18.52	17.13	16.84	16.54	16.60	16.20	15.52	15.96	16.02	15.42	15.50
MIN	---	17.13	16.19	16.03	15.69	15.44	15.20	15.00	15.27	15.36	15.24	14.98

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 137

02283498 NORTH NEW RIVER CANAL AT S-2 AND S-351, NEAR SOUTH BAY, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	e1100	.50	1030	e322	.00	.00	.00	.00	191	.00
2	.00	.00	e1170	1030	1040	.00	.00	.00	.00	.00	179	.00
3	.00	.00	1140	703	1040	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	1130	904	1080	-5.0	.00	.00	.00	.00	.00	.00
5	.00	.00	771	1410	1100	e389	447	.00	94	.00	382	.00
6	-961	.00	604	1380	1050	e610	598	.00	540	.00	522	446
7	-274	.00	966	1340	946	e229	210	422	660	.00	511	595
8	.00	.00	1030	1350	933	.00	.00	839	319	.00	428	393
9	.00	.00	1220	1300	1150	.00	.00	801	.00	.00	.00	.00
10	.00	.00	1210	1230	1240	.00	.00	788	-794	.00	.00	.00
11	.00	.00	1200	1180	717	-59	188	772	-1310	.00	.00	.00
12	.49	.00	1160	1160	716	-58	716	744	-636	.00	.00	.00
13	.00	573	1150	1180	711	-65	876	730	.00	.00	.00	.00
14	.00	847	1290	1160	679	.00	859	328	.00	.00	262	.00
15	.00	1130	1470	1150	642	.00	849	.00	.00	.00	131	.00
16	-769	1250	1450	1130	641	.00	1010	285	.00	.00	.00	.00
17	-2410	1070	1430	1130	636	.00	1340	707	.00	.00	.00	.00
18	-3200	831	1410	1130	636	.00	1430	658	.00	.00	.00	.00
19	-2490	820	1100	1580	589	.00	1360	609	.00	.00	.00	.00
20	-2380	801	1190	1550	556	.00	1320	303	.00	.00	.00	.00
21	-911	785	1520	1250	542	.00	1280	.00	.00	.00	.00	.00
22	.00	652	1470	1180	515	e369	e1450	.00	.00	473	.00	.00
23	.00	434	1500	1160	580	e632	e1670	.00	.00	638	.00	.00
24	.00	801	904	1160	607	e571	e1640	.00	.00	875	.00	.00
25	.00	1000	222	1150	596	e537	e1600	.00	.00	992	.00	.00
26	.00	973	918	1110	586	e691	e1580	.00	.00	1260	.00	244
27	.00	964	1190	1060	590	e971	e1540	.00	-110	1060	.00	424
28	.00	965	1160	1090	578	e316	e1460	.00	.00	906	.00	366
29	.00	925	1230	1090	561	-9.7	e1370	.00	.00	884	.00	318
30	.00	910	1270	1080	---	.00	e411	.00	.00	863	.00	162
31	.00	---	491	1050	---	.00	---	.00	---	527	.00	---
TOTAL	-13394.51	15731.00	35066	35377.50	22287	5440.30	25204.00	7986.00	-1237.00	8478.00	2606.00	2948.00
MEAN	-432	524	1131	1141	769	175	840	258	-41.2	273	84.1	98.3
MAX	.49	1250	1520	1580	1240	971	1670	839	660	1260	522	595
MIN	-3200	.00	222	.50	515	-65	.00	.00	-1310	.00	.00	.00
AC-FT	-26570	31200	69550	70170	44210	10790	49990	15840	-2450	16820	5170	5850

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1996, BY WATER YEAR (WY)

	MEAN	27.6	173	201	206	325	406	785	468	-55.0	-193	-194	-305
MAX	928	1143	1131	1141	1691	1810	2056	2151	1857	1320	669	1264	
(WY)	1995	1974	1996	1996	1993	1985	1993	1989	1989	1992	1974	1992	
MIN	-1059	-511	-434	-343	-447	-1316	-85.5	-889	-1601	-1203	-1694	-1408	
(WY)	1972	1982	1995	1977	1983	1970	1972	1972	1968	1975	1981	1981	

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1968 - 1996

ANNUAL TOTAL	117792.49	146492.29	
ANNUAL MEAN	323	400	152
HIGHEST ANNUAL MEAN			715
LOWEST ANNUAL MEAN			-296
HIGHEST DAILY MEAN	1970	Apr 20	1670
LOWEST DAILY MEAN	-3540	Aug 25	-3200
ANNUAL SEVEN-DAY MINIMUM	-1740	Oct 15	-1740
ANNUAL RUNOFF (AC-FT)	233600	290600	110300
10 PERCENT EXCEEDS	1260	1210	1140
50 PERCENT EXCEEDS	.00	146	.00
90 PERCENT EXCEEDS	.00	.00	-654

e Estimated

02283500 NORTH NEW RIVER CANAL BELOW S-351, NEAR SOUTH BAY, FL

LOCATION.--Lat 26°41'50", long 80°42'50", in SW1/4 sec.35, T.43 S., R.36 E., Palm Beach County, Hydrologic Unit 03090202, 30 ft from west bank, 800 ft downstream from Hillsboro Canal, 1,600 ft downstream from gate structure S-351 and pump station 2 at Lake Okeechobee, and 2.5 mi north of South Bay.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1957 to current year. Records of gage heights prior to October 1961 are available in files of the U.S. Geological Survey.

REVISED RECORD.--WDR FL-77-2A: 1974, 1975; WDR FL-92-2A: 1991; WDR FL-93-2A: 1977, 1985.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Prior to October 1, 1986, water stage recorder at pump station 2 used for gage heights at this station. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Jan. 18, 1954, water-stage and deflection-meter recorder at site 1,600 ft downstream at same datum. Jan. 19, 1965 to Sept. 30, 1967 deflection-meter recorder at site 1,600 ft downstream. Satellite data collection platform installed November 29, 1990 that collects stage and acoustic velocity meter velocity.

REMARKS.--Records poor. Flow regulated by S-351 gate and pump station at Lake Okeechobee. Flow occasionally reversed during and after periods of heavy rainfall by pumpage into the canal from agricultural lands in the Everglades by pumping at structure 2 or by gravity flow through gates during periods of negative heads (negative figures indicate flow reversed). Discharge was the difference in flow between North New River Canal at S-2 and S-351 and Hillsboro Canal below S-351 October 1967 to June 9, 1987.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 38 complete water years of discharge (1958-95).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.09 ft Sept. 28, 1962; minimum, 6.98 ft observed Oct. 28, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 13.05 ft June 10; minimum, 9.18 ft July 11.

SEE FOLLOWING PAGES FOR TABLES OF STAGE AND DISCHARGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 139

02283500 NORTH NEW RIVER CANAL BELOW S-351, NEAR SOUTH BAY, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.85	10.05	11.72	11.09	11.47	11.54	10.93	10.74	9.91	10.02	10.52	10.25
2	10.47	10.00	11.88	11.57	e11.12	11.41	10.49	10.95	10.60	10.14	10.71	10.49
3	10.40	9.97	11.91	11.83	e11.23	11.17	10.31	11.54	10.61	9.96	10.43	10.63
4	10.63	10.28	11.92	11.40	e11.03	11.01	10.23	11.62	10.22	9.98	10.39	10.15
5	10.63	10.58	11.82	11.94	e10.95	10.99	10.32	10.76	9.99	10.58	10.69	9.85
6	11.87	10.85	11.37	11.80	e11.12	11.16	10.99	10.56	9.92	12.28	11.16	9.98
7	10.81	10.90	11.68	11.94	e11.65	10.93	11.13	10.64	10.17	12.05	11.13	10.77
8	10.56	10.67	11.48	11.90	e11.62	10.56	10.72	11.16	10.58	10.78	10.92	11.02
9	10.36	10.36	11.79	11.63	e11.69	10.34	10.63	11.22	e11.15	10.18	10.85	10.75
10	9.97	10.15	12.01	11.85	e12.03	10.16	10.36	11.15	e12.42	9.88	10.38	10.11
11	10.22	10.14	11.91	11.97	e11.46	10.39	10.08	11.15	11.25	9.37	10.00	---
12	10.31	10.24	11.92	12.02	e11.25	11.17	10.65	11.30	11.05	10.38	10.27	---
13	10.27	10.61	11.90	11.94	11.10	10.35	11.09	11.26	11.52	e10.75	10.15	9.71
14	10.56	11.11	12.15	11.81	11.02	10.62	11.11	11.27	10.59	10.53	10.29	10.52
15	11.57	11.25	12.39	11.84	11.20	10.49	11.04	11.02	10.27	10.38	11.00	10.86
16	12.04	11.63	12.28	11.89	11.24	10.29	11.00	10.73	10.64	10.33	10.40	11.09
17	10.96	11.73	12.17	11.85	e11.02	10.09	11.27	11.04	10.73	9.94	10.39	11.07
18	10.10	11.41	12.11	11.72	e10.53	10.00	11.37	10.91	10.63	9.60	10.53	10.97
19	10.01	11.35	11.76	12.13	e10.96	10.07	11.45	10.94	10.70	9.71	10.72	10.80
20	10.10	11.32	11.36	12.39	e11.23	10.30	11.43	11.03	10.16	9.76	10.88	10.48
21	10.48	11.33	12.20	11.69	e11.22	10.15	11.46	10.95	11.71	9.78	10.98	10.35
22	10.68	11.37	12.24	11.78	e11.34	9.94	11.57	12.21	11.78	9.99	11.04	10.73
23	10.04	11.03	12.16	11.68	e11.39	10.36	11.91	11.43	11.39	10.26	10.49	10.83
24	9.95	11.25	11.82	11.57	11.43	10.75	11.96	10.22	11.61	10.75	10.54	10.28
25	10.35	11.53	11.20	11.50	11.49	10.93	11.95	10.35	11.13	10.94	10.83	10.22
26	10.02	11.58	11.40	11.55	11.47	10.79	11.87	11.27	10.23	11.03	11.00	10.44
27	10.13	11.38	11.55	11.82	11.32	11.26	12.03	10.92	10.89	11.27	11.44	10.90
28	9.76	11.20	11.65	11.59	11.37	11.48	12.10	10.36	11.59	10.90	10.52	11.11
29	10.23	11.49	11.77	11.36	11.52	11.41	11.94	11.93	10.58	10.79	11.01	11.32
30	10.29	11.61	12.24	11.33	---	11.17	11.28	12.23	11.11	10.76	10.29	11.52
31	10.05	---	11.55	11.48	---	11.74	---	11.37	---	10.75	9.92	---
TOTAL	324.67	328.37	367.31	363.86	327.47	333.02	334.67	344.23	325.13	323.82	329.87	---
MEAN	10.47	10.95	11.85	11.74	11.29	10.74	11.16	11.10	10.84	10.45	10.64	---
MAX	12.04	11.73	12.39	12.39	12.03	11.74	12.10	12.23	12.42	12.28	11.44	---
MIN	9.76	9.97	11.20	11.09	10.53	9.94	10.08	10.22	9.91	9.37	9.92	---

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02283500 NORTH NEW RIVER CANAL BELOW S-351, NEAR SOUTH BAY, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-68	-68	576	-10	645	224	438	36	-47	-160	92	-87
2	-120	-65	650	657	e674	120	-51	-18	-104	-199	76	-95
3	-172	-89	629	434	e647	152	38	16	-5.7	-171	17	56
4	-71	-84	611	567	e578	139	34	102	29	-129	58	-73
5	-1.5	-41	341	855	e681	265	259	81	58	52	227	66
6	-556	-38	328	882	e725	350	336	58	364	42	366	376
7	-247	31	470	917	e709	152	93	340	341	-29	286	346
8	-125	-.16	529	881	e693	69	6.1	511	144	-115	253	242
9	-150	43	785	808	e824	10	139	469	e15	-88	277	15
10	-108	73	698	771	e849	-25	14	440	e-291	-146	264	-8.5
11	-141	-31	678	759	e554	-8.2	130	406	-673	-139	149	---
12	-126	59	623	822	e657	-165	440	372	-375	-47	-51	---
13	-3.0	255	608	794	424	-166	520	343	221	e-45	23	-204
14	-181	360	781	767	421	-71	511	112	80	-31	255	3.6
15	-286	633	1000	814	402	-22	501	66	-156	-154	258	155
16	-618	717	999	744	356	37	634	163	-161	-74	55	163
17	-1410	531	965	724	e442	12	855	327	-109	-36	150	87
18	-1680	327	943	735	e445	7.8	909	280	-151	-147	2.7	-51
19	e-1200	326	667	1070	e492	9.2	850	270	-334	13	47	-24
20	e-1300	318	756	1010	e368	-25	822	201	-328	3.2	131	56
21	-518	283	1010	852	e391	18	781	92	-319	-.59	-2.0	2.4
22	-107	223	942	824	e370	189	935	28	-377	305	137	81
23	-101	207	991	785	e387	307	1100	-251	-313	346	27	130
24	-176	376	614	773	321	332	1090	-174	-391	507	-15	67
25	-240	455	166	728	322	298	1040	152	-406	592	-120	76
26	-237	416	597	738	302	395	1020	191	-363	761	-72	208
27	-252	392	731	826	285	544	996	-93	-414	640	-9.8	291
28	-220	361	699	710	313	178	924	-134	-370	509	-172	279
29	-145	358	773	666	333	49	872	-48	-270	454	.80	227
30	-131	348	825	700	---	176	327	-182	-176	419	-99	85
31	-107	---	256	689	---	603	---	-178	---	278	-112	---
TOTAL	-10797.5	6675.84	21241	23292	14610	4153.8	16563.1	3978	-4881.7	3210.61	2498.70	---
MEAN	-348	223	685	751	504	134	552	128	-163	104	80.6	---
MAX	-1.5	717	1010	1070	849	603	1100	511	364	761	366	---
MIN	-1680	-89	166	-10	285	-166	-51	-251	-673	-199	-172	---
AC-FT	-21420	13240	42130	46200	28980	8240	32850	7890	-9680	6370	4960	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1996, BY WATER YEAR (WY)

MEAN	-21.5	136	177	146	230	300	514	346	-29.0	-107	-88.8	-253
MAX	609	776	685	751	1141	1525	1405	1393	1073	819	401	900
(WY)	1995	1974	1996	1996	1993	1985	1993	1992	1979	1992	1974	1992
MIN	-779	-422	-309	-1487	-283	-782	-265	-668	-987	-939	-1086	-1902
(WY)	1961	1960	1995	1958	1958	1970	1958	1972	1982	1959	1981	1960

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

WATER YEARS 1957 - 1996

ANNUAL TOTAL	43747.86	
ANNUAL MEAN	120	110
HIGHEST ANNUAL MEAN		501
LOWEST ANNUAL MEAN		-232
HIGHEST DAILY MEAN	1170	Apr 21
LOWEST DAILY MEAN	-2170	Aug 25
ANNUAL SEVEN-DAY MINIMUM	-1000	Oct 15
ANNUAL RUNOFF (AC-FT)	86770	79540
10 PERCENT EXCEEDS	782	712
50 PERCENT EXCEEDS	-6.3	128
90 PERCENT EXCEEDS	-250	-467

e Estimated

263180080205001 SITE 7 IN CONSERVATION AREA NO. 1 NEAR SHAWANO, FL

LOCATION.--Lat 26°31'10", long 80°20'50", in T.45 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, in Loxahatchee Wildlife Refuge (Arthur R. Marshall Park). Township and range approximated from topographic map for which most section lines are not delineated, unable to determine section.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and a tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Station is one of several located in Conservation Area No. 1. Rainfall is not published, but is available in files of the U.S. Geological Survey.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 18.22 ft Nov. 17-18, 1994; minimum, 15.27 ft June 1, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 17.99 ft Oct. 17 (estimated); minimum, 16.01 ft May 19-20.

STATION NUMBER 263180080205001**GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996****DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.88	---	---	16.88	16.91	16.49	16.43	16.20	16.50	16.74	16.48	16.56
2	16.90	---	16.93	16.88	16.91	16.50	16.41	16.19	16.49	16.71	16.58	16.54
3	16.91	17.51	16.93	16.90	16.92	16.51	16.40	16.20	16.48	16.68	16.55	16.55
4	16.89	17.44	16.93	16.90	16.91	16.49	16.38	16.20	16.48	16.65	16.57	16.56
5	16.89	17.38	16.93	16.89	16.89	16.47	16.36	16.18	16.46	16.63	16.54	16.54
6	16.96	17.32	16.93	16.89	16.88	16.46	16.35	16.16	16.45	16.70	16.52	16.54
7	16.97	17.27	16.93	16.92	16.88	16.45	16.34	16.14	16.43	16.71	16.49	16.57
8	17.05	17.22	16.93	16.92	16.86	16.43	16.37	16.12	16.43	16.73	16.48	16.60
9	17.08	17.17	16.93	16.91	16.85	16.41	16.41	16.10	16.50	16.72	16.52	16.73
10	17.09	17.13	16.92	16.91	16.84	16.41	16.41	16.08	16.59	16.75	16.54	16.80
11	17.11	17.11	16.91	16.90	16.82	16.54	16.40	16.07	16.59	16.77	16.54	16.80
12	17.14	17.08	16.91	16.90	16.79	16.61	16.38	16.06	16.60	16.76	16.52	16.80
13	17.17	17.05	16.91	16.90	16.77	16.59	16.37	16.08	16.59	16.77	16.50	16.78
14	17.25	17.03	16.92	16.89	16.75	16.57	16.35	16.09	16.57	16.75	16.51	16.80
15	17.35	17.01	16.93	16.89	16.73	16.56	16.34	16.09	16.55	16.72	16.52	16.90
16	17.47	16.98	16.93	16.89	16.71	16.54	16.32	16.07	16.55	16.70	16.50	16.87
17	---	16.97	16.93	16.91	16.68	16.53	16.30	16.05	16.59	16.68	16.49	16.87
18	---	16.96	16.93	16.91	16.67	16.51	16.29	16.03	16.58	16.65	16.48	16.84
19	---	16.94	16.93	16.91	16.65	16.50	16.27	16.02	16.60	16.62	16.51	16.82
20	---	16.93	16.93	16.90	16.64	16.49	16.26	16.02	16.67	16.60	16.52	16.80
21	---	16.93	16.92	16.90	16.63	16.47	16.24	16.11	16.75	16.58	16.57	16.80
22	---	16.93	16.91	16.89	16.61	16.45	16.22	16.25	16.78	16.57	16.57	16.83
23	---	16.92	16.95	16.89	16.60	16.44	16.21	16.24	16.75	16.55	16.56	16.82
24	---	16.92	16.94	16.89	16.58	16.43	16.19	16.23	16.73	16.52	16.55	16.81
25	---	16.91	16.93	16.88	16.56	16.42	16.18	16.25	16.70	16.50	16.54	16.78
26	---	16.91	16.92	16.90	16.55	16.40	16.16	16.34	16.67	16.48	16.54	16.77
27	---	16.90	16.91	16.92	16.54	16.39	16.14	16.39	16.68	16.46	16.54	16.76
28	---	16.90	16.90	16.91	16.52	16.39	16.13	16.40	16.75	16.43	16.53	16.76
29	---	16.92	16.89	16.90	16.51	16.43	16.12	16.51	16.75	16.41	16.51	16.74
30	---	16.93	16.89	16.91	---	16.42	16.14	16.52	16.78	16.40	16.52	16.75
31	---	---	16.88	16.92	---	16.41	---	16.51	---	16.39	16.57	---
TOTAL	---	---	---	523.91	485.16	510.71	488.87	501.90	498.04	515.33	512.36	502.09
MEAN	---	---	---	16.90	16.73	16.47	16.30	16.19	16.60	16.62	16.53	16.74
MAX	---	---	---	16.92	16.92	16.61	16.43	16.52	16.78	16.77	16.58	16.90
MIN	---	---	---	16.88	16.51	16.39	16.12	16.02	16.43	16.39	16.48	16.54

263050080145001 SITE 8T IN CONSERVATION AREA NO. 1 NEAR BOYNTON BEACH, FL

LOCATION.--Lat 26°30'50", long 80°14'50", in T.41 S., R.41 E., Palm Beach County, Hydrologic Unit 03090202, in Loxahatchee Wildlife Refuge (Arthur R. Marshall Park). Township and range approximated from topographic map for which most section lines are not delineated, unable to determine section.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Station is one of several located in Conservation Area No. 1. Rainfall record is unpublished but available in files of the U.S. Geological Survey.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 18.11 ft Nov. 17, 1994; minimum, 14.17 ft June 2-3, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 17.75 ft. Oct. 19, 20; minimum, 15.48 ft. Aug. 8.

STATION NUMBER 263050080145001

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.82	17.29	16.92	16.84	16.88	16.29	16.36	15.70	16.36	16.22	15.59	16.14
2	16.84	17.23	16.92	16.84	16.87	16.29	16.41	15.70	16.31	16.18	15.58	16.12
3	16.85	17.17	16.90	16.87	16.90	16.29	16.40	15.72	16.25	16.12	15.56	16.11
4	16.85	17.11	16.92	16.89	16.90	16.26	16.36	15.72	16.20	16.08	15.55	16.11
5	16.85	17.08	16.93	16.87	16.86	16.22	16.32	15.74	16.14	16.03	15.53	16.13
6	16.95	17.05	16.92	16.86	16.82	16.20	16.28	15.77	16.07	16.05	15.52	16.12
7	17.00	16.98	16.90	16.89	16.78	16.18	16.25	15.77	16.02	16.03	15.50	16.14
8	17.07	16.92	16.90	16.92	16.74	16.17	16.29	15.76	16.01	16.01	15.49	16.15
9	17.11	16.92	16.89	16.90	16.70	16.13	16.35	15.74	16.08	16.00	15.57	16.26
10	17.15	16.92	16.88	16.90	16.66	16.12	16.34	15.72	16.16	15.98	15.66	16.43
11	17.17	16.93	16.88	16.89	16.63	16.28	16.28	15.71	16.20	15.98	15.75	16.49
12	17.20	16.93	16.87	16.89	16.61	16.43	16.20	15.70	16.22	16.01	15.83	16.55
13	17.21	16.93	16.87	16.90	16.56	16.46	16.12	15.69	16.23	16.02	15.84	16.61
14	17.28	16.92	16.92	16.88	16.53	16.48	16.05	15.73	16.21	16.00	15.84	16.65
15	17.38	16.91	16.93	16.87	16.50	16.46	16.00	15.79	16.19	15.98	15.84	16.68
16	17.47	16.90	16.93	16.86	16.49	16.45	15.95	15.76	16.17	15.97	15.83	16.69
17	17.61	16.89	16.91	16.87	16.49	16.44	15.91	15.73	16.16	15.95	15.84	16.71
18	17.73	16.89	16.90	16.89	16.47	16.42	15.88	15.70	16.15	15.91	15.82	16.72
19	17.73	16.89	16.90	16.90	16.45	16.44	15.85	15.68	16.12	15.89	15.87	16.72
20	17.74	16.89	16.92	16.90	16.44	16.42	15.83	15.67	16.18	15.86	15.87	16.69
21	17.73	16.89	16.89	16.89	16.43	16.40	15.81	15.74	16.37	15.85	15.89	16.70
22	17.71	16.89	16.88	16.88	16.42	16.37	15.79	15.86	16.46	15.82	15.88	16.76
23	17.66	16.89	16.92	16.88	16.41	16.34	15.77	15.88	16.42	15.80	15.91	16.75
24	17.63	16.88	16.91	16.87	16.39	16.31	15.75	15.97	16.38	15.79	15.95	16.73
25	17.60	16.88	16.88	16.87	16.38	16.27	15.74	16.06	16.31	15.76	15.95	16.70
26	17.56	16.88	16.86	16.87	16.36	16.25	15.73	16.11	16.25	15.73	15.96	16.66
27	17.53	16.88	16.85	16.88	16.34	16.22	15.71	16.19	16.24	15.67	15.98	16.65
28	17.48	16.87	16.85	16.89	16.33	16.20	15.69	16.28	16.31	15.64	16.03	16.65
29	17.42	16.90	16.84	16.87	16.31	16.19	15.68	16.45	16.30	15.61	16.05	16.63
30	17.35	16.93	16.84	16.87	---	16.19	15.68	16.45	16.29	15.63	16.07	16.63
31	17.30	---	16.84	16.88	---	16.23	---	16.42	---	15.61	16.14	---
TOTAL	536.98	508.64	523.67	523.28	480.65	505.40	480.78	491.91	486.76	493.18	489.69	495.08
MEAN	17.32	16.95	16.89	16.88	16.57	16.30	16.03	15.87	16.23	15.91	15.80	16.50
MAX	17.74	17.29	16.93	16.92	16.90	16.48	16.41	16.45	16.46	16.22	16.14	16.76
MIN	16.82	16.87	16.84	16.84	16.31	16.12	15.68	15.67	16.01	15.61	15.49	16.11

263000080120001 SITE 8C NEAR L-40 IN CONSERVATION AREA 1 NEAR BOYNTON BEACH, FL

LOCATION.--Lat 26°30'00", long 80°12'00", T.46 S., R.41 E., Palm Beach County, Hydrologic Unit 03090202, 20 ft west of L-40 near Loxahatchee Wildlife Refuge (Arthur R. Marshall Park). Township and range approximated from topographic map for which most section lines are not delineated, unable to determine section.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data is not published but available in files of the U.S. Geological Survey.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 18.18 ft Nov. 17, 1994; minimum, 13.05 ft June 2-4, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 17.86 ft. Oct. 19, 20; minimum, 15.27 ft July 28.

STATION NUMBER 263000080120001**GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996****DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.96	17.35	17.03	16.95	16.98	16.40	16.53	15.75	16.45	16.00	15.36	16.25
2	17.00	17.29	17.03	16.95	16.97	16.38	16.57	15.78	16.39	15.92	15.39	16.23
3	17.00	17.23	17.02	16.99	17.00	16.38	16.52	15.86	16.29	15.77	15.41	16.23
4	16.99	17.17	17.03	17.02	17.01	16.33	16.47	15.92	16.19	15.60	15.46	16.26
5	16.99	17.12	17.04	17.00	16.96	16.27	16.44	15.98	16.06	15.43	15.46	16.26
6	17.10	17.07	17.03	16.99	16.91	16.27	16.39	15.98	15.95	15.62	15.44	16.22
7	17.15	17.02	17.01	17.02	16.86	16.27	16.34	15.94	15.80	15.84	15.42	16.25
8	17.21	17.01	17.01	17.03	16.81	16.25	16.36	15.91	15.78	15.90	15.43	16.26
9	17.25	17.03	17.01	17.01	16.77	16.19	16.45	15.88	15.94	15.94	15.60	16.38
10	17.29	17.03	16.99	17.01	16.74	16.20	16.43	15.85	16.24	15.97	15.81	16.57
11	17.30	17.04	16.99	17.00	16.71	16.40	16.32	15.84	16.28	15.98	15.92	16.64
12	17.32	17.04	16.97	17.00	16.69	16.56	16.07	15.83	16.32	15.97	15.98	16.71
13	17.34	17.04	16.98	17.01	16.63	16.61	15.84	15.81	16.32	15.93	15.97	16.77
14	17.40	17.04	17.04	16.98	16.59	16.60	15.63	15.83	16.30	15.87	15.96	16.81
15	17.51	17.03	17.05	16.97	16.58	16.58	15.49	15.82	16.28	15.79	15.96	16.82
16	17.60	17.02	17.04	16.96	16.59	16.56	15.51	15.80	16.24	15.70	15.98	16.83
17	17.74	17.01	17.02	16.98	16.59	16.54	15.62	15.77	16.23	15.60	15.96	16.85
18	17.84	17.01	17.00	17.00	16.56	16.54	15.69	15.75	16.18	15.57	15.91	16.86
19	17.84	17.01	17.00	17.01	16.54	16.55	15.71	15.72	16.14	15.60	15.97	16.85
20	17.84	17.01	17.03	17.01	16.53	16.53	15.73	15.71	16.20	15.57	15.98	16.82
21	17.81	17.01	17.00	17.00	16.52	16.50	15.74	15.79	16.43	15.54	15.99	16.82
22	17.78	17.01	16.98	16.99	16.51	16.46	15.74	15.97	16.51	15.53	15.99	16.88
23	17.74	17.01	17.02	16.98	16.51	16.44	15.74	16.08	16.47	15.53	16.02	16.87
24	17.71	16.99	17.02	16.98	16.48	16.40	15.76	16.15	16.42	15.49	16.05	16.86
25	17.68	16.99	16.98	16.97	16.46	16.35	15.75	16.22	16.29	15.46	16.04	16.83
26	17.64	16.99	16.95	16.97	16.45	16.32	15.75	16.26	16.15	15.40	16.08	16.79
27	17.61	16.99	16.96	16.99	16.44	16.29	15.74	16.36	16.04	15.35	16.13	16.78
28	17.56	16.98	16.95	16.99	16.43	16.28	15.69	16.44	16.15	15.30	16.17	16.78
29	17.50	17.02	16.95	16.98	16.43	16.29	15.67	16.57	16.12	15.33	16.17	16.76
30	17.42	17.05	16.95	16.97	---	16.29	15.72	16.57	16.08	15.39	16.19	16.76
31	17.36	---	16.94	16.98	---	16.36	---	16.52	---	15.38	16.25	---
TOTAL	540.48	511.61	527.02	526.69	483.25	508.39	479.41	495.66	486.24	485.27	491.45	499.00
MEAN	17.43	17.05	17.00	16.99	16.66	16.40	15.98	15.99	16.21	15.65	15.85	16.63
MAX	17.84	17.35	17.05	17.03	17.01	16.61	16.57	16.57	16.51	16.00	16.25	16.88
MIN	16.96	16.98	16.94	16.95	16.43	16.19	15.49	15.71	15.78	15.30	15.36	16.22

262750080175001 SITE 9 IN CONSERVATION AREA NO. 1, NEAR BOYNTON BEACH, FL

LOCATION.--Lat 26°27'50", long 80°17'50", in T.50 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, in Loxahatchee Wildlife Refuge (Arthur R. Marshall Park). Township and range approximated from topographic map for which most section lines are not delineated, unable to determine section.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Station is one of several located in Conservation Area No. 1. Rainfall is not published but is on file at the U.S. Geological Survey.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 17.95 ft Nov. 16, 1994; minimum, 15.09 ft June 2-3, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 17.60 ft Oct. 19; minimum, 15.74 ft May 19, 20.

STATION NUMBER 262750080175001
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.73	17.16	16.84	16.79	16.82	16.31	16.22	15.91	16.28	16.38	15.92	16.05
2	16.73	17.13	16.85	16.79	16.82	16.31	16.22	15.90	16.26	16.35	15.92	16.04
3	16.73	17.10	16.85	16.83	16.84	16.31	16.21	15.92	16.24	16.32	15.92	16.07
4	16.73	17.06	16.85	16.84	16.83	16.29	16.20	15.90	16.22	16.29	15.92	16.16
5	16.75	17.01	16.85	16.83	16.81	16.27	16.21	15.88	16.19	16.27	15.90	16.13
6	16.82	16.96	16.85	16.83	16.81	16.26	16.21	15.86	16.17	16.33	15.89	16.11
7	16.85	16.92	16.85	16.85	16.79	16.24	16.21	15.84	16.15	16.32	15.88	16.12
8	16.91	16.90	16.85	16.84	16.76	16.23	16.25	15.82	16.13	16.29	15.87	16.12
9	16.94	16.87	16.84	16.84	16.73	16.20	16.32	15.80	16.20	16.27	15.93	16.19
10	16.98	16.86	16.84	16.84	16.70	16.20	16.32	15.78	16.30	16.25	15.97	16.31
11	17.01	16.86	16.83	16.84	16.67	16.33	16.29	15.79	16.29	16.26	16.00	16.33
12	17.05	16.87	16.82	16.83	16.64	16.40	16.27	15.78	16.27	16.25	16.00	16.36
13	17.06	16.86	16.84	16.83	16.60	16.38	16.25	15.79	16.26	16.25	15.99	16.38
14	17.12	16.86	16.88	16.82	16.57	16.38	16.23	15.80	16.24	16.24	15.98	16.41
15	17.23	16.85	16.88	16.82	16.55	16.38	16.21	15.82	16.22	16.21	15.97	16.47
16	17.34	16.84	16.87	16.81	16.53	16.38	16.18	15.80	16.19	16.22	15.99	16.51
17	17.45	16.83	16.87	16.85	16.50	16.37	16.16	15.78	16.18	16.19	16.00	16.56
18	17.57	16.83	16.86	16.84	16.48	16.37	16.13	15.77	16.16	16.16	16.00	16.59
19	17.58	16.83	16.85	16.84	16.46	16.38	16.11	15.75	16.15	16.14	16.08	16.59
20	17.57	16.83	16.85	16.83	16.45	16.36	16.09	15.75	16.18	16.12	16.09	16.59
21	17.53	16.83	16.84	16.83	16.44	16.34	16.07	15.85	16.33	16.10	16.08	16.60
22	17.50	16.83	16.83	16.83	16.43	16.33	16.04	15.97	16.45	16.08	16.06	16.65
23	17.47	16.83	16.86	16.82	16.41	16.32	16.02	15.95	16.42	16.06	16.09	16.64
24	17.45	16.83	16.86	16.82	16.40	16.30	16.00	15.93	16.39	16.04	16.11	16.63
25	17.43	16.82	16.85	16.81	16.38	16.29	15.98	15.93	16.36	16.02	16.10	16.62
26	17.40	16.81	16.84	16.82	16.37	16.27	15.96	16.01	16.33	16.01	16.11	16.61
27	17.37	16.81	16.82	16.83	16.36	16.26	15.94	16.08	16.40	15.99	16.10	16.59
28	17.33	16.81	16.81	16.82	16.34	16.25	15.93	16.09	16.50	15.97	16.09	16.59
29	17.28	16.83	16.80	16.82	16.32	16.24	15.91	16.24	16.44	15.95	16.07	16.59
30	17.23	16.84	16.79	16.82	---	16.22	15.90	16.30	16.41	15.94	16.06	16.59
31	17.19	---	16.79	16.83	---	16.21	---	16.30	---	15.93	16.07	---
TOTAL	532.33	506.67	522.11	521.64	480.81	505.38	484.04	493.09	488.31	501.20	496.16	492.20
MEAN	17.17	16.89	16.84	16.83	16.58	16.30	16.13	15.91	16.28	16.17	16.01	16.41
MAX	17.58	17.16	16.88	16.85	16.84	16.40	16.32	16.30	16.50	16.38	16.11	16.65
MIN	16.73	16.81	16.79	16.79	16.32	16.20	15.90	15.75	16.13	15.93	15.87	16.04

262400080250001 SITE 15 NEAR L-39 IN CONSERVATION AREA NO. 2A, NEAR SHAWANO, FL

LOCATION.--Lat 26°25'54", long 80°24'56", T.46 S., R.39 E., Palm Beach County, Hydrologic Unit 03090202, in Conservation Area No. 2A near Shawano, 15.6 mi west of SR-7, on the south side of L-39. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Station is one of several located in Conservation Area No. 2A. Rainfall data is not published but is available in the files of the U.S. Geological Survey.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 15.88 ft Dec. 5, 1994; minimum, 12.64 ft May 27, 1993.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 14.96 ft Oct. 28, 29; minimum, 13.28 ft Aug. 7.

STATION NUMBER 262400080250001
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.04	14.92	---	13.55	13.54	13.62	13.64	13.46	13.78	13.98	13.43	13.53
2	13.98	14.90	13.57	13.54	13.54	13.64	13.64	13.45	13.77	13.96	13.45	13.52
3	13.92	14.88	13.57	13.56	13.55	13.65	13.64	13.49	13.76	13.93	13.43	13.52
4	13.87	14.85	13.58	13.54	13.54	13.64	13.65	13.51	13.74	13.90	13.40	13.52
5	13.83	14.79	13.57	13.54	13.54	13.63	13.65	13.50	13.72	13.87	13.36	13.51
6	13.85	14.74	13.57	13.54	13.54	13.62	13.66	13.49	13.69	13.95	13.34	13.54
7	13.84	14.69	13.57	13.56	13.53	13.61	13.66	13.48	13.66	13.96	13.32	13.58
8	13.81	14.61	13.57	13.54	13.53	13.61	13.67	13.47	13.64	13.98	13.34	13.58
9	13.78	14.50	13.57	13.54	13.52	13.59	13.70	13.46	13.66	13.95	13.47	13.64
10	13.76	14.39	13.57	13.54	13.52	13.61	13.70	13.44	13.76	14.00	13.46	13.69
11	13.73	14.31	13.56	13.54	13.52	13.69	13.68	13.43	13.78	14.01	13.45	13.76
12	13.69	14.24	13.56	13.54	13.52	13.75	13.68	13.42	13.81	14.00	13.43	13.81
13	13.67	14.16	13.58	13.54	13.53	13.73	13.66	13.43	13.82	13.97	13.43	13.80
14	13.68	14.09	13.58	13.54	13.54	13.72	13.64	13.43	13.83	13.94	13.49	13.79
15	13.70	14.02	13.57	13.53	13.55	13.72	13.60	13.41	13.84	13.91	13.49	13.78
16	13.77	13.96	13.57	13.53	13.56	13.72	13.57	13.39	13.85	13.90	13.49	13.77
17	13.88	13.91	13.56	13.54	13.57	13.71	13.54	13.38	13.86	13.87	13.48	13.76
18	14.09	13.86	13.56	13.53	13.58	13.71	13.51	13.37	13.86	13.82	13.48	13.76
19	14.31	13.81	13.57	13.54	13.59	13.72	13.49	13.37	13.85	13.78	13.54	13.75
20	14.50	13.77	13.56	13.54	13.60	13.71	13.47	13.39	13.89	13.73	13.54	13.74
21	14.62	13.74	13.56	13.54	13.61	13.69	13.45	13.51	13.98	13.69	13.52	13.76
22	14.71	13.71	13.56	13.54	13.62	13.68	13.43	13.54	14.01	13.66	13.51	13.76
23	14.78	13.67	13.58	13.54	13.62	13.67	13.41	13.52	14.00	13.62	13.50	13.76
24	14.83	13.64	13.56	13.54	13.62	13.66	13.40	13.52	13.99	13.58	13.50	13.76
25	14.88	13.62	13.56	13.54	13.63	13.65	13.39	13.54	13.97	13.54	13.50	13.75
26	14.91	13.59	13.55	13.54	13.63	13.64	13.38	13.61	13.97	13.52	13.51	13.74
27	14.94	13.58	13.55	13.54	13.63	13.64	13.37	13.65	13.99	13.49	13.51	13.73
28	14.95	13.58	13.55	13.54	13.62	13.65	13.35	13.67	14.02	13.46	13.50	13.73
29	14.96	13.58	---	13.54	13.62	13.65	13.33	13.73	14.01	13.43	13.49	13.72
30	14.95	13.57	13.55	13.55	---	13.65	13.41	13.79	14.00	13.42	13.51	13.75
31	14.94	---	13.55	13.54	---	13.65	---	13.79	---	13.41	13.51	---
TOTAL	441.17	423.68	---	419.77	393.51	423.63	406.37	418.64	415.51	427.23	417.38	410.81
MEAN	14.23	14.12	---	13.54	13.57	13.67	13.55	13.50	13.85	13.78	13.46	13.69
MAX	14.96	14.92	---	13.56	13.63	13.75	13.70	13.79	14.02	14.01	13.54	13.81
MIN	13.67	13.57	---	13.53	13.52	13.59	13.33	13.37	13.64	13.41	13.32	13.51

262358080055700 E-4 CANAL, CLINT-MOORE ROAD, BOCA RATON, FL

LOCATION.--Lat 26°23'58", long 80°05'57", in NE1/4NE1/4NW1/4 sec.6, T.47 S., R.43 E., Palm Beach County, Hydrologic Unit 03090202, .6 mi west on Clint-Moore Road from I-95 overpass in Boca Raton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1982 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Station is part of a canal system operated and controlled by Lake Worth Drainage District.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 6.17 ft Nov.18, 1992; minimum, 2.33 ft May 14-16, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 5.73 ft Oct. 17; minimum, 3.78 ft Mar. 8, 9.

STATION NUMBER 262358080055700
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.82	4.80	4.43	4.38	4.36	3.91	4.27	4.32	4.41	4.81	4.26	4.60
2	4.76	4.79	4.42	4.39	4.37	3.92	4.23	4.37	4.40	4.79	4.27	4.65
3	4.75	4.79	4.41	4.43	4.37	3.96	4.26	4.43	4.39	4.76	4.27	4.68
4	4.77	4.77	4.44	4.42	4.34	3.94	4.25	4.42	4.39	4.74	4.23	4.66
5	4.75	4.75	4.43	4.41	4.32	3.90	4.25	4.41	4.39	4.79	4.17	4.65
6	4.74	4.73	4.42	4.41	4.34	3.88	4.27	4.38	4.38	4.79	4.13	4.63
7	4.74	4.73	4.42	4.43	4.35	3.83	4.30	4.36	4.36	4.76	4.07	4.62
8	4.82	4.72	4.42	4.40	4.33	3.79	4.37	4.33	4.37	4.75	4.05	4.61
9	4.85	4.70	4.43	4.40	4.32	3.79	4.44	4.30	4.41	4.74	4.22	4.70
10	4.83	4.70	4.42	4.39	4.32	3.87	4.44	4.28	4.47	4.72	4.37	4.84
11	4.80	4.72	4.41	4.38	4.31	4.32	4.43	4.29	4.54	4.72	4.42	4.83
12	4.79	4.68	4.39	4.39	4.28	4.50	4.41	4.28	4.58	4.71	4.39	4.80
13	4.77	4.68	4.43	4.38	4.25	4.50	4.41	4.25	4.57	4.71	4.37	4.77
14	4.81	4.66	4.45	4.37	4.26	4.49	4.38	4.25	4.54	4.70	4.36	4.75
15	4.93	4.64	4.43	4.36	4.24	4.47	4.37	4.22	4.50	4.69	4.39	4.72
16	5.28	4.63	4.41	4.36	4.27	4.45	4.35	4.20	4.51	4.74	4.36	4.80
17	5.51	4.62	4.39	4.38	4.29	4.43	4.32	4.20	4.52	4.70	4.34	4.80
18	5.32	4.59	4.39	4.37	4.30	4.42	4.28	4.20	4.50	4.66	4.35	4.75
19	5.27	4.57	4.38	4.37	4.28	4.43	4.29	4.21	4.54	4.63	4.51	4.70
20	5.15	4.53	4.36	4.36	4.23	4.40	4.28	4.21	4.70	4.61	4.46	4.68
21	5.07	4.50	4.36	4.36	4.21	4.38	4.25	4.37	4.80	4.61	4.44	4.65
22	5.01	4.48	4.36	4.35	4.20	4.37	4.23	4.47	4.78	4.61	4.42	4.64
23	4.96	4.48	4.43	4.35	4.19	4.35	4.19	4.47	4.75	4.60	4.55	4.63
24	4.92	4.48	4.40	4.35	4.18	4.33	4.14	4.47	4.73	4.57	4.51	4.60
25	4.90	4.45	4.39	4.35	4.17	4.34	4.18	4.47	4.72	4.52	4.49	4.57
26	4.88	4.45	4.38	4.38	4.14	4.32	4.16	4.46	4.69	4.42	4.48	4.56
27	4.89	4.44	4.38	4.39	4.06	4.30	4.13	4.44	4.78	4.38	4.48	4.54
28	4.86	4.42	4.39	4.37	4.02	4.28	4.06	4.43	4.84	4.34	4.46	4.53
29	4.83	4.46	4.39	4.37	3.97	4.28	4.04	4.43	4.81	4.32	4.45	4.52
30	4.81	4.45	4.38	4.37	---	4.26	4.17	4.43	4.85	4.31	4.43	4.53
31	4.81	---	4.39	4.38	---	4.24	---	4.40	---	4.29	4.54	---
TOTAL	152.40	138.41	136.53	135.80	123.27	130.65	128.15	134.75	137.22	143.49	135.24	140.01
MEAN	4.92	4.61	4.40	4.38	4.25	4.21	4.27	4.35	4.57	4.63	4.36	4.67
MAX	5.51	4.80	4.45	4.43	4.37	4.50	4.44	4.47	4.85	4.81	4.55	4.84
MIN	4.74	4.42	4.36	4.35	3.97	3.79	4.04	4.20	4.36	4.29	4.05	4.52

262337080074800 E-3 CANAL AT 51ST STREET, BOCA RATON, FL

LOCATION.--Lat 26°23'37", long 80°07'48", in NE1/4NE1/4NW1/4 sec.11, T.47 S., R.42 E., Palm Beach County, Hydrologic Unit 03090202, 2.2 mi west of I-95, Yamato Road exit approximately 110 yards south of 51st Street (Yamato Road) on the E-3 Canal in Boca Raton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1982 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to June 1, 1994, at site 100 yards upstream at same datum.

REMARKS.--Station is part of a canal system operated by Lake Worth Drainage District.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 12.82 ft May 4, 1982; minimum, 7.91 ft Aug. 2, 1995.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 10.56 ft June 27; minimum, 8.91 ft Mar. 10.

STATION NUMBER 262337080074800
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.16	9.57	9.51	9.16	9.44	9.18	9.38	9.48	9.53	9.48	9.15	9.61
2	9.81	9.55	9.50	9.25	9.44	9.16	9.39	9.61	9.41	9.70	9.18	9.65
3	9.85	9.53	9.49	9.40	9.43	9.18	9.36	9.66	9.32	9.72	9.25	9.83
4	9.80	9.51	9.57	9.53	9.42	9.14	9.33	9.54	9.31	9.76	9.43	9.85
5	9.74	9.49	9.58	9.55	9.38	9.14	9.26	9.56	9.46	9.86	9.43	9.84
6	9.73	9.51	9.55	9.56	9.37	9.11	9.20	9.46	9.49	9.85	9.41	9.78
7	9.71	9.62	9.53	9.61	9.37	9.06	9.22	9.40	9.49	9.79	9.42	9.74
8	9.78	9.67	9.49	9.59	9.35	9.01	9.44	9.43	9.47	---	9.38	9.67
9	9.86	9.64	9.47	9.55	9.33	8.95	9.69	9.41	9.62	---	9.50	9.75
10	9.81	9.62	9.45	9.53	9.31	8.95	9.59	9.37	9.90	---	9.64	10.06
11	9.68	9.66	9.43	9.50	9.30	9.29	9.51	9.36	9.94	---	9.79	9.71
12	9.68	9.63	9.41	9.48	9.27	9.56	9.58	9.34	9.91	---	9.81	9.79
13	9.69	9.62	9.55	9.44	9.23	9.47	9.54	9.36	9.76	---	9.71	9.66
14	9.75	9.65	9.75	9.43	9.22	9.44	9.48	9.52	9.53	---	9.50	9.51
15	9.88	9.62	9.80	9.41	9.21	9.37	9.46	9.20	9.66	---	9.44	9.40
16	10.35	9.61	9.76	9.38	9.20	9.28	9.46	9.36	9.65	---	9.38	9.48
17	10.33	9.60	9.72	9.52	9.17	9.22	9.43	9.40	9.76	---	9.33	9.64
18	10.25	9.59	9.70	9.58	9.16	9.15	9.41	9.38	9.67	---	9.28	9.62
19	9.93	9.57	9.70	9.59	9.16	9.20	9.38	9.35	9.66	---	9.49	9.55
20	9.75	9.56	9.68	9.58	9.15	9.34	9.34	9.31	9.99	---	9.56	9.51
21	9.85	9.53	9.61	9.57	9.11	9.37	9.31	9.48	10.32	---	9.50	9.59
22	9.72	9.50	9.58	9.54	9.09	9.39	9.27	9.67	10.10	---	9.31	9.57
23	9.66	9.49	9.68	9.51	9.07	9.60	9.22	9.60	9.90	---	9.43	9.53
24	9.71	9.48	9.74	9.48	9.16	9.64	9.17	9.62	9.79	---	9.53	9.49
25	9.69	9.46	9.74	9.43	9.17	9.57	9.16	9.61	9.84	---	9.55	9.45
26	9.66	9.44	9.74	9.43	9.16	9.30	9.10	9.61	9.77	---	9.60	9.48
27	9.70	9.43	9.74	9.45	9.16	9.18	9.04	9.67	9.98	---	9.61	9.50
28	9.66	9.41	9.74	9.42	9.17	9.17	8.98	9.71	10.15	---	9.57	9.52
29	9.62	9.44	9.65	9.42	9.16	9.21	8.95	9.72	9.77	---	9.52	9.48
30	9.58	9.49	9.41	9.44	---	9.20	9.15	9.69	9.57	---	9.50	9.49
31	9.57	---	9.27	9.45	---	9.19	---	9.65	---	9.14	9.55	---
TOTAL	303.96	286.49	297.54	293.78	268.16	287.02	279.80	294.53	291.72	---	293.75	288.75
MEAN	9.81	9.55	9.60	9.48	9.25	9.26	9.33	9.50	9.72	---	9.48	9.62
MAX	10.35	9.67	9.80	9.61	9.44	9.64	9.69	9.72	10.32	---	9.81	10.06
MIN	9.57	9.41	9.27	9.16	9.07	8.95	8.95	9.20	9.31	---	9.15	9.40

262300080220001 HILLSBORO CANAL AT S-10-D, NEAR DEERFIELD BEACH, FL

LOCATION.--Lat 26°23'14", long 80°22'50", in NE1/4 sec.6, T.47 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, on Hillsboro Canal on the north bank of the spillway 200 ft northeast of S-10-D, (a 4-gated control structure), 11.9 mi west of SR-7 (US 441) on Hillsboro Boulevard. The auxiliary stage recorder is located approximately 20 yards downstream of S-10-D on the south bank of the spillway.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders upstream and downstream of structure S-10-D. Tipping bucket rain gage at S-10-D upstream. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers).

REMARKS.--Station is one of several located on L-39 which regulates flow for Conservation Areas 1 and 2A. Gage records are primarily used to determine stages. Rainfall data is not published but is available in files of the U.S. Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum upstream gage height, 17.79 ft Nov. 16, 1994; maximum downstream gage height, 16.93 ft Nov. 16, 18, 1994; minimum upstream gage height, 12.90 ft June 3, 1992; minimum downstream gage height, 11.58 ft June 10, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum upstream gage height, 17.59 ft Oct. 16; maximum downstream gage height, 16.77 ft Oct. 17; minimum upstream gage height, 15.06 ft July 5; minimum downstream gage height, 12.58 ft May 20.

STATION NUMBER 262300080220001												
UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.78	16.58	16.92	16.77	16.86	16.17	16.41	15.58	16.19	15.62	15.21	16.09
2	16.82	16.55	16.91	16.76	16.84	16.19	16.44	15.65	16.05	15.52	15.23	16.08
3	16.83	16.55	16.91	16.83	16.84	16.22	16.36	15.74	15.93	15.40	15.25	16.06
4	16.81	16.65	16.92	16.88	16.84	16.21	16.29	15.84	15.82	15.26	15.31	16.08
5	16.84	16.64	16.93	16.88	16.81	16.15	16.22	15.88	15.72	15.14	15.32	16.04
6	16.97	16.62	16.89	16.87	16.70	16.11	16.15	15.83	15.66	15.34	15.32	16.05
7	17.05	16.69	16.88	16.88	16.63	16.07	16.11	15.80	15.57	15.59	15.29	16.12
8	17.10	16.80	16.88	16.87	16.58	16.07	16.14	15.77	15.53	15.63	15.28	16.13
9	17.16	16.86	16.87	16.87	16.54	16.05	16.21	15.74	15.65	15.64	15.48	16.28
10	17.20	16.88	16.88	16.87	16.51	16.03	16.13	15.72	16.01	15.66	15.71	16.46
11	17.21	16.89	16.89	16.86	16.47	16.19	15.96	15.68	16.02	15.63	15.78	16.58
12	17.20	16.89	16.87	16.85	16.43	16.41	15.70	15.65	16.07	15.57	15.80	16.70
13	17.21	16.90	16.87	16.86	16.40	16.48	15.51	15.66	16.06	15.56	15.79	16.71
14	17.26	16.89	16.92	16.84	16.36	16.46	15.34	15.68	16.07	15.54	15.79	16.68
15	17.38	16.89	16.93	16.84	16.34	16.42	15.23	15.67	16.03	15.48	15.81	16.68
16	17.53	16.89	16.91	16.84	16.38	16.39	15.28	15.64	15.96	15.44	15.83	16.66
17	17.40	16.89	16.91	16.86	16.40	16.36	15.44	15.62	15.92	15.42	15.80	16.66
18	17.08	16.90	16.89	16.87	16.38	16.31	15.51	15.59	15.86	15.42	15.78	16.65
19	17.02	16.91	16.87	16.87	16.37	16.31	15.56	15.57	15.82	15.44	15.83	16.63
20	17.00	16.90	16.86	16.87	16.36	16.30	15.58	15.56	15.85	15.40	15.85	16.62
21	16.96	16.90	16.86	16.86	16.34	16.28	15.59	15.63	15.95	15.36	15.86	16.61
22	16.94	16.91	16.85	16.88	16.33	16.27	15.60	15.86	16.02	15.35	15.84	16.64
23	16.90	16.88	16.90	16.87	16.33	16.25	15.59	16.06	16.02	15.35	15.87	16.66
24	16.86	16.88	16.88	16.86	16.30	16.24	15.59	16.08	15.96	15.33	15.87	16.67
25	16.82	16.89	16.84	16.86	16.29	16.20	15.58	16.09	15.81	15.33	15.88	16.64
26	16.77	16.89	16.83	16.86	16.27	16.17	15.58	16.18	15.70	15.29	15.93	16.62
27	16.73	16.88	16.82	16.86	16.26	16.15	15.57	16.32	15.60	15.25	16.02	16.60
28	16.68	16.88	16.81	16.88	16.23	16.12	15.55	16.33	15.67	15.21	16.07	16.59
29	16.62	16.90	16.82	16.86	16.21	16.13	15.53	16.32	15.69	15.21	16.06	16.57
30	16.56	16.92	16.82	16.85	---	16.11	15.53	16.31	15.68	15.24	16.07	16.58
31	16.55	---	16.80	16.85	---	16.22	---	16.27	---	15.24	16.08	---
TOTAL	526.24	504.70	523.14	522.53	477.60	503.04	473.28	491.32	475.89	477.86	487.01	494.14
MEAN	16.98	16.82	16.88	16.86	16.47	16.23	15.78	15.85	15.86	15.41	15.71	16.47
MAX	17.53	16.92	16.93	16.88	16.86	16.48	16.44	16.33	16.19	15.66	16.08	16.71
MIN	16.55	16.55	16.80	16.76	16.21	16.03	15.23	15.56	15.53	15.14	15.21	16.04

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 149

262300080220001 HILLSBORO CANAL AT S-10-D, NEAR DEERFIELD BEACH, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.79	16.16	13.44	13.20	13.06	12.95	12.73	12.78	15.46	15.49	13.37	13.52
2	13.80	16.14	13.43	13.19	13.07	12.95	13.57	12.77	15.42	15.40	13.37	13.52
3	13.75	15.99	13.42	13.22	13.07	12.94	14.93	12.78	15.39	15.32	13.38	13.53
4	13.72	15.72	13.41	13.21	13.00	12.94	14.95	12.77	15.36	15.21	13.39	13.51
5	13.69	15.69	13.40	13.20	13.57	12.92	14.93	12.74	15.21	15.09	13.39	13.50
6	13.75	15.64	13.40	13.19	14.94	12.89	14.92	12.72	15.03	15.23	13.39	13.51
7	13.72	15.13	13.38	13.19	15.04	12.87	14.91	12.71	14.92	15.41	13.37	13.51
8	13.68	14.49	13.37	13.13	15.07	12.82	14.93	12.70	14.74	15.45	13.37	13.50
9	13.66	14.30	13.37	13.13	15.07	12.78	15.09	12.69	14.80	15.48	13.46	13.57
10	13.65	14.19	13.36	13.14	15.06	12.79	15.23	12.67	15.11	15.49	13.47	13.60
11	13.64	14.09	13.34	13.14	15.06	12.88	15.31	12.65	15.39	15.48	13.46	13.58
12	13.62	13.99	13.34	13.13	15.05	12.93	15.38	12.62	15.41	15.45	13.47	13.57
13	13.62	13.92	13.37	13.11	15.05	12.91	15.29	12.66	15.49	15.44	13.46	13.56
14	13.62	13.83	13.41	13.11	15.04	12.88	15.20	12.76	15.50	15.42	13.47	13.56
15	13.64	13.78	13.38	13.10	14.54	12.86	15.06	12.82	15.49	15.37	13.47	13.55
16	14.51	13.74	13.37	13.11	13.54	12.85	14.57	12.77	15.46	15.24	13.47	13.57
17	15.86	13.69	13.35	13.12	13.32	12.83	13.69	12.70	15.46	15.05	13.47	13.58
18	16.72	13.66	13.33	13.11	13.23	12.82	13.42	12.66	15.43	14.66	13.47	13.58
19	16.69	13.64	13.31	13.10	13.19	12.78	13.26	12.63	15.42	14.01	13.52	13.57
20	16.68	13.61	13.28	13.09	13.15	12.77	13.15	12.62	15.46	13.77	13.51	13.57
21	16.66	13.58	13.27	13.09	13.11	12.72	13.07	12.69	15.49	13.64	13.50	13.59
22	16.65	13.55	13.26	13.08	13.08	12.73	13.02	12.77	15.51	13.56	13.49	13.60
23	16.63	13.54	13.28	13.08	13.05	12.73	12.96	12.73	15.51	13.52	13.52	13.58
24	16.61	13.52	13.25	13.07	13.04	12.74	12.90	12.72	15.58	13.49	13.53	13.58
25	16.58	13.49	13.23	13.06	13.02	12.74	12.88	12.75	15.64	13.46	13.53	13.75
26	16.54	13.47	13.22	13.07	13.01	12.73	12.85	12.73	15.56	13.43	13.53	13.67
27	16.52	13.46	13.22	13.07	12.99	12.74	12.82	12.74	15.48	13.41	13.53	13.62
28	16.48	13.45	13.21	13.06	12.97	12.73	12.81	13.38	15.53	13.39	13.53	13.59
29	16.42	13.47	13.21	13.06	12.96	12.71	12.79	15.11	15.55	13.37	13.53	13.58
30	16.39	13.46	13.22	13.06	---	12.71	12.78	15.33	15.54	13.38	13.53	13.61
31	16.26	---	13.21	13.07	---	12.71	---	15.44	---	13.37	13.53	---
TOTAL	467.55	426.39	413.04	406.69	399.35	397.35	419.40	402.61	461.34	451.48	417.48	407.13
MEAN	15.08	14.21	13.32	13.12	13.77	12.82	13.98	12.99	15.38	14.56	13.47	13.57
MAX	16.72	16.16	13.44	13.22	15.07	12.95	15.38	15.44	15.64	15.49	13.53	13.75
MIN	13.62	13.45	13.21	13.06	12.96	12.71	12.73	12.62	14.74	13.37	13.37	13.50

262200080210001 HILLSBORO CANAL AT S-10-C, NEAR DEERFIELD BEACH, FL

LOCATION.--Lat 26°22'16", long 80°21'00", in NW1/4 sec.14, T.47 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, on Hillsboro Canal on the north bank of the spillway 200 ft northeast of S-10-C, (a 4-gated control structure), 9.6 mi west of SR-7 (US 441) on Hillsboro Boulevard. The auxiliary stage recorder is located approximately 20 yards downstream of S-10-C on the south bank of the spillway.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders upstream and downstream of structure S-10-C. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Station is one of several located on L-39 which regulates flow for Conservation Areas 1 and 2A. Gage records are primarily used to determine stages.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum upstream gage height, 17.53 ft Oct. 16, 1995; maximum downstream gage height, 16.81 ft Dec. 6, 1994; minimum upstream gage height, 12.91 ft June 24, 1992; minimum downstream gage height, 7.19 ft July 19, 1995.

EXTREME STAGES FOR CURRENT YEAR.--Maximum upstream gage height, 17.53 ft Oct. 16; maximum downstream gage height, 16.49 ft Oct. 18; minimum upstream gage height, 15.15 ft July 28; minimum downstream gage height, 12.58 ft May 20.

STATION NUMBER 262200080210001
UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.74	16.43	---	16.75	16.84	16.19	16.37	15.54	16.04	15.47	15.18	16.07
2	16.79	16.42	16.86	16.73	16.82	16.21	16.44	15.59	15.93	15.39	15.19	16.07
3	16.79	16.43	16.86	16.80	16.84	16.24	16.38	15.68	15.82	15.30	15.21	16.06
4	16.77	16.55	16.88	16.85	16.86	16.21	16.31	15.76	15.72	15.21	15.26	16.07
5	16.79	16.57	16.89	16.85	16.84	16.14	16.24	15.82	15.64	15.18	15.27	16.04
6	16.91	16.57	16.87	16.84	16.73	16.11	16.18	15.79	15.61	15.22	15.27	16.04
7	16.99	16.65	16.85	16.85	16.66	16.08	16.14	15.76	15.53	15.36	15.25	16.11
8	17.04	16.74	16.85	16.87	16.62	16.10	16.17	15.73	15.52	15.42	15.24	16.12
9	17.10	16.83	16.84	16.86	16.57	16.09	16.22	15.70	15.64	15.45	15.40	16.23
10	17.15	16.85	16.85	16.85	16.54	16.06	16.11	15.67	15.94	15.48	15.61	16.41
11	17.17	16.86	16.86	16.83	16.51	16.21	15.92	15.64	15.91	15.46	15.70	16.52
12	17.17	16.86	16.84	16.83	16.48	16.40	15.65	15.61	15.93	15.43	15.75	16.62
13	17.18	16.87	16.84	16.84	16.44	16.46	15.46	15.61	15.92	15.42	15.75	16.66
14	17.24	16.87	16.88	16.82	16.39	16.46	15.30	15.64	15.91	15.40	15.75	16.65
15	17.34	16.86	16.89	16.81	16.37	16.43	15.19	15.63	15.88	15.35	15.76	16.64
16	17.46	16.85	16.89	16.81	16.40	16.40	---	15.60	15.81	15.34	15.77	16.63
17	17.24	16.86	16.87	16.84	16.43	16.37	---	15.58	15.78	15.33	15.76	16.64
18	16.81	16.86	16.86	16.85	16.40	16.32	---	15.55	15.74	15.35	15.74	16.63
19	16.75	16.86	16.84	16.85	16.38	16.34	---	15.53	15.70	15.41	15.79	16.63
20	16.74	16.86	16.85	16.86	16.36	16.32	---	15.52	15.76	15.38	15.82	16.61
21	16.69	16.86	16.85	16.84	16.36	16.31	---	15.58	15.88	15.35	15.83	16.59
22	16.66	16.87	16.82	16.86	16.35	16.29	---	15.76	15.94	15.33	15.80	16.63
23	16.62	16.85	16.88	16.85	16.34	16.27	---	15.93	15.92	15.32	15.83	16.65
24	16.58	16.84	16.87	16.83	16.32	16.24	---	15.99	15.84	15.30	15.84	16.67
25	16.55	16.85	16.83	16.85	16.30	16.20	15.54	16.03	15.66	15.28	15.85	16.64
26	16.54	16.85	16.80	16.84	16.28	16.17	15.54	16.10	15.57	15.25	15.89	16.61
27	16.52	16.84	16.79	16.85	16.26	16.15	15.53	16.23	15.50	15.21	15.95	16.60
28	16.49	16.83	16.78	16.87	16.25	16.12	15.51	16.26	15.55	15.16	16.00	16.58
29	16.44	16.86	16.79	16.85	16.23	16.13	15.48	16.25	15.56	15.17	16.01	16.57
30	16.39	16.89	16.78	16.84	---	16.12	15.49	16.21	15.53	15.20	16.02	16.57
31	16.38	---	16.77	16.84	---	16.20	---	16.13	---	15.20	16.07	---
TOTAL	522.03	503.19	---	521.91	478.17	503.34	---	489.42	472.68	475.12	485.56	493.56
MEAN	16.84	16.77	---	16.84	16.49	16.24	---	15.79	15.76	15.33	15.66	16.45
MAX	17.46	16.89	---	16.87	16.86	16.46	---	16.26	16.04	15.48	16.07	16.67
MIN	16.38	16.42	---	16.73	16.23	16.06	---	15.52	15.50	15.16	15.18	16.04

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 151

262200080210001 HILLSBORO CANAL AT S-10-C, NEAR DEERFIELD BEACH, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.80	15.91	---	13.18	13.04	12.94	12.72	12.78	15.27	15.40	13.36	13.52
2	13.80	15.89	13.41	13.18	13.05	12.95	13.43	12.76	15.25	15.33	13.36	13.52
3	13.74	15.77	13.40	13.21	13.06	12.93	14.60	12.76	15.22	15.25	13.37	13.53
4	13.71	15.53	13.39	13.20	13.01	12.92	14.63	12.76	15.20	15.16	13.38	13.52
5	13.69	15.49	13.38	13.18	13.49	12.90	14.63	12.73	15.09	15.05	13.38	13.51
6	13.74	---	13.38	13.18	14.72	12.87	14.63	12.71	14.93	15.15	13.38	13.51
7	13.71	---	13.36	13.19	14.75	12.86	14.63	12.70	14.78	15.30	13.36	13.51
8	13.67	---	13.36	13.13	14.76	12.82	14.65	12.69	14.56	15.34	13.35	13.50
9	13.65	---	13.36	13.13	14.76	12.78	14.86	12.68	14.61	15.36	13.45	13.57
10	13.64	---	13.35	13.13	14.76	12.78	15.07	12.66	14.90	15.38	13.46	13.60
11	13.61	---	13.32	13.13	14.76	12.89	15.13	12.64	15.21	15.36	13.45	13.58
12	13.59	---	13.32	13.12	14.75	12.93	15.20	12.62	15.27	15.34	13.46	13.57
13	13.58	14.63	13.35	13.10	14.75	12.90	15.15	12.65	15.34	15.33	13.46	13.56
14	13.59	13.83	13.39	13.10	14.75	12.87	15.08	12.75	15.35	15.31	13.47	13.55
15	13.61	13.77	13.36	13.10	14.39	12.85	14.96	12.80	15.35	15.27	13.46	13.55
16	14.47	13.72	13.34	13.10	13.54	12.83	14.52	12.75	15.33	15.16	13.47	13.56
17	15.72	13.68	13.33	13.10	13.31	12.82	13.67	12.70	15.33	14.99	13.47	13.58
18	16.47	13.65	13.31	13.09	13.22	12.81	13.39	12.65	15.31	---	13.47	13.58
19	16.43	13.61	13.30	13.09	13.17	12.78	13.23	12.62	15.30	---	13.52	13.57
20	16.39	13.59	13.27	13.08	13.14	12.77	13.13	12.61	15.35	---	13.51	13.56
21	16.36	13.56	13.26	13.07	13.10	12.73	13.05	12.69	15.39	---	13.51	13.58
22	16.34	13.53	13.25	13.06	13.07	12.72	13.00	12.76	15.42	---	13.49	13.59
23	16.31	13.52	13.27	13.06	13.04	12.72	12.94	12.71	15.43	13.51	13.52	13.57
24	16.29	13.50	13.24	13.05	13.02	12.73	12.89	12.71	15.48	13.48	13.53	13.56
25	16.26	13.47	13.22	13.05	13.00	12.72	12.86	12.74	15.56	13.45	13.53	13.71
26	16.24	13.45	13.21	13.06	12.99	12.71	12.84	12.72	15.48	13.42	13.53	13.65
27	16.22	13.44	13.21	13.06	12.98	12.72	12.81	12.73	15.43	13.40	13.54	13.60
28	16.18	13.43	13.20	13.05	12.96	12.71	12.79	13.31	15.47	13.37	13.53	13.57
29	16.15	13.45	13.20	13.04	12.94	12.69	12.77	14.91	15.48	13.36	13.53	13.56
30	16.12	13.44	13.20	13.05	---	12.69	12.77	15.16	15.45	13.36	13.53	13.59
31	16.01	---	13.19	13.06	---	12.70	---	15.27	---	13.36	13.53	---
TOTAL	463.09	---	---	406.33	396.28	397.04	416.03	401.73	457.54	---	417.36	406.93
MEAN	14.94	---	---	13.11	13.66	12.81	13.87	12.96	15.25	---	13.46	13.56
MAX	16.47	---	---	13.21	14.76	12.95	15.20	15.27	15.56	---	13.54	13.71
MIN	13.58	---	---	13.04	12.94	12.69	12.72	12.61	14.56	---	13.35	13.50

262100080190001 HILLSBORO CANAL AT S-10-A, NEAR DEERFIELD BEACH, FL

LOCATION.--Lat 26°21'32", long 80°18'37", in NE1/4 sec.24, T.47 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, on Hillsboro Canal on the north bank of the spillway 200 ft northeast of S-10-A a 4-gated control structure, 6.9 mi west of SR-7 (US 441) on Hillsboro Boulevard. The auxiliary stage recorder is located approximately 20 yards downstream of S-10-A on the south bank of the spillway.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders upstream and downstream of structure S-10-A. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Station is one of several located on L-39 which regulates flow for Conservation Areas 1 and 2A. Gage records are primarily used to determine stages.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum upstream gage height, 17.61 ft Nov. 16, 1994; maximum downstream gage height, 16.65 ft Dec. 6, 1994; minimum upstream gage height, 12.86 ft June 4, 1992; minimum downstream gage height, 11.60 ft June 11, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum upstream gage height, 17.47 ft Oct. 16; maximum downstream gage height, 16.37 Oct. 19; minimum upstream gage height, 15.02 ft July 5; minimum downstream gage height, 12.58 ft May 20.

STATION NUMBER 262100080190001**UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996****DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.75	16.41	---	16.75	16.82	16.17	---	15.56	15.98	15.44	15.19	16.07
2	16.79	16.39	16.85	16.73	16.79	16.20	16.42	15.61	15.88	15.36	15.20	16.07
3	16.80	16.40	16.85	16.81	16.82	16.23	16.36	15.68	15.78	15.29	15.23	---
4	16.76	16.53	16.86	16.86	16.87	16.18	16.29	15.75	15.69	15.17	15.28	---
5	16.78	16.54	16.87	16.85	16.83	16.09	16.23	15.81	15.62	15.07	15.28	---
6	16.92	16.54	16.86	16.83	16.71	16.08	16.17	15.80	15.60	15.16	15.27	---
7	16.99	16.64	16.84	16.87	16.64	16.06	16.14	15.77	15.53	15.31	15.25	---
8	17.04	16.72	16.84	16.90	16.60	16.09	16.16	15.73	15.53	15.36	15.25	---
9	17.09	16.80	16.83	16.87	16.56	16.08	16.20	15.70	15.66	15.40	15.40	---
10	17.12	16.82	16.85	16.85	16.52	16.06	16.09	15.68	15.94	15.42	15.62	---
11	17.12	16.83	16.86	16.83	16.49	16.24	15.89	15.66	15.90	15.41	15.72	---
12	17.13	16.85	16.82	16.83	16.48	16.40	15.60	15.64	15.91	15.39	15.78	---
13	17.15	16.85	16.83	16.85	16.44	16.45	15.40	15.63	15.89	15.37	15.78	16.64
14	17.21	16.86	16.88	16.82	16.39	16.44	15.23	15.66	15.88	15.34	15.77	16.65
15	17.31	16.85	16.89	16.81	16.36	16.41	15.15	15.65	15.85	15.30	15.78	16.64
16	17.41	16.84	16.88	16.80	16.40	16.39	15.26	15.62	15.78	15.27	15.79	16.64
17	17.22	16.84	16.86	16.82	16.42	16.36	15.42	15.60	15.77	15.28	15.78	16.65
18	16.78	16.84	16.84	16.84	16.39	16.31	15.48	15.57	15.73	15.32	15.75	16.66
19	16.70	16.85	16.83	16.84	16.36	16.36	15.52	15.54	15.70	15.39	15.80	16.65
20	16.67	16.84	16.85	16.85	16.35	16.34	15.53	15.54	15.76	15.37	15.82	16.63
21	16.62	16.84	16.85	16.84	16.34	16.33	15.54	15.61	15.89	15.35	15.82	16.62
22	16.57	16.85	16.82	16.85	16.33	16.29	15.54	15.77	15.93	15.33	15.81	16.65
23	16.53	16.84	16.88	16.83	16.32	16.26	15.55	15.91	15.92	15.33	15.84	16.67
24	16.50	16.82	16.88	16.82	16.30	16.22	15.57	15.98	15.83	15.29	15.86	16.67
25	16.47	16.84	16.84	16.84	16.28	16.18	15.56	16.04	15.65	15.27	15.87	16.64
26	16.46	16.83	16.80	16.81	16.26	16.15	15.56	16.10	15.56	15.23	15.90	16.61
27	16.45	16.82	16.79	16.82	16.24	16.11	15.55	16.22	15.50	15.18	15.97	16.60
28	16.42	16.81	16.78	16.85	16.23	16.09	15.50	16.28	15.55	15.14	16.02	16.59
29	16.38	16.85	16.79	16.82	16.21	16.10	15.48	16.27	15.54	15.16	16.03	16.58
30	16.33	16.88	16.77	16.81	---	---	15.50	16.20	15.49	15.20	16.04	16.58
31	16.34	---	16.76	16.82	---	---	---	16.08	---	15.21	16.07	---
TOTAL	520.81	502.62	---	521.72	477.75	---	---	489.66	472.24	474.11	485.97	---
MEAN	16.80	16.75	---	16.83	16.47	---	---	15.80	15.74	15.29	15.68	---
MAX	17.41	16.88	---	16.90	16.87	---	---	16.28	15.98	15.44	16.07	---
MIN	16.33	16.39	---	16.73	16.21	---	---	15.54	15.49	15.07	15.19	---

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 153

262100080190001 HILLSBORO CANAL AT S-10-A, NEAR DEERFIELD BEACH, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.85	15.79	---	---	13.05	12.94	---	12.78	15.14	15.34	13.35	---
2	13.84	15.79	13.46	---	13.05	12.95	13.19	12.76	15.13	15.27	13.36	---
3	13.79	15.70	13.45	---	13.08	12.93	14.26	12.76	15.11	15.20	13.37	---
4	13.75	15.46	13.44	13.23	13.05	12.89	14.31	12.76	15.08	15.10	13.37	---
5	13.74	15.41	13.44	13.21	13.37	12.88	14.32	12.73	14.98	15.01	13.36	---
6	13.80	15.26	13.43	13.20	14.40	12.86	14.33	12.70	14.81	15.08	13.37	13.51
7	13.75	14.79	13.42	13.23	14.44	12.85	14.34	12.68	14.65	15.22	13.36	13.51
8	13.73	14.48	13.42	13.19	14.45	12.82	14.36	12.68	14.38	15.26	13.35	13.50
9	13.71	14.31	13.41	13.15	14.46	12.78	14.59	12.66	14.43	15.29	13.45	13.56
10	13.68	14.19	13.41	13.15	14.45	12.79	14.86	12.65	14.70	15.31	13.45	13.60
11	13.64	14.10	13.39	13.14	14.46	12.92	14.94	12.64	15.05	15.30	13.44	---
12	13.63	14.01	13.38	13.14	14.46	12.94	15.03	12.63	15.14	15.28	13.46	---
13	13.62	13.94	13.41	13.13	14.46	12.89	14.97	12.64	15.20	15.27	13.46	13.57
14	13.63	13.87	13.45	13.12	14.47	12.86	14.91	12.75	15.22	15.24	---	13.56
15	13.66	13.81	13.42	13.11	14.24	12.84	14.80	12.79	15.22	15.19	---	13.56
16	14.37	13.76	13.40	13.10	13.55	12.82	14.43	12.75	15.21	15.08	---	13.56
17	15.58	13.72	13.39	13.10	13.31	12.80	13.65	12.69	15.22	14.89	---	13.59
18	16.35	13.69	13.37	13.10	13.22	12.80	13.37	12.65	15.21	14.56	---	13.59
19	16.35	13.65	13.36	13.10	13.17	12.80	13.22	12.61	15.21	13.98	---	13.58
20	16.35	13.63	13.36	13.09	13.13	12.77	13.11	12.61	15.28	13.76	---	13.57
21	16.33	13.60	13.34	13.08	13.10	12.74	13.04	12.69	15.33	13.62	---	13.59
22	16.30	13.58	---	13.06	13.07	12.72	12.98	12.77	15.37	13.54	---	13.60
23	16.27	13.56	---	13.05	13.05	12.71	12.94	12.71	15.36	13.50	---	13.58
24	16.25	13.55	---	13.05	13.03	12.70	12.89	12.72	15.42	13.47	---	13.57
25	16.23	13.52	---	13.05	13.00	12.70	12.86	12.74	15.51	13.43	---	13.70
26	16.19	13.50	---	13.05	12.99	12.68	12.84	12.73	15.44	13.40	---	13.64
27	16.17	13.48	---	13.06	12.97	12.69	12.81	12.74	15.39	13.38	---	13.59
28	16.14	13.47	---	13.05	12.96	12.69	12.78	13.12	15.43	13.36	---	13.56
29	16.11	13.49	---	13.04	12.94	12.68	12.76	14.53	15.43	13.35	---	13.55
30	16.07	13.49	---	13.05	---	---	12.78	14.99	15.39	13.35	---	13.58
31	15.94	---	---	13.06	---	---	---	15.14	---	13.35	---	---
TOTAL	462.82	424.60	---	---	393.38	---	---	400.80	454.44	448.38	---	---
MEAN	14.93	14.15	---	---	13.56	---	---	12.93	15.15	14.46	---	---
MAX	16.35	15.79	---	---	14.47	---	---	15.14	15.51	15.34	---	---
MIN	13.62	13.47	---	---	12.94	---	---	12.61	14.38	13.35	---	---

262007080321500 S-150 AT TERRYTOWN, FL

LOCATION.--Lat 26°20'07", long 80°32'15", in NW1/4 sec.27, T.47 S., R.38 E., Palm Beach County, Hydrologic Unit 03090202, 175 ft downstream of S-150, on the west side of US 27, 18.6 mi north of I-595.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1990 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Flow regulated by sluice gates upstream at S-150. Flow occasionally reversed during and after periods of heavy rainfall by pumpage at S-7 which may draw water through S-150 gates. Discharge computed from relations between stage vs area and stage-velocity factor ratings.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 2 complete water years of discharge (1994-95).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 13.38 ft Jan. 1 1995; minimum, 7.17 ft Apr. 18, 1991.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 13.31 ft Oct. 27-29; minimum, 9.00 ft May 20.

STATION NUMBER 262007080321500
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.83	13.28	12.24	11.29	10.50	9.86	9.62	10.29	10.34	11.69	11.37	10.60
2	12.84	13.27	12.21	11.27	10.67	10.31	9.54	10.09	10.38	11.72	11.32	10.55
3	12.84	13.26	12.18	11.27	10.85	10.94	9.44	10.76	10.56	11.73	11.30	10.65
4	12.81	13.24	12.15	11.27	10.85	10.86	9.41	10.82	10.45	11.74	11.28	10.58
5	12.80	13.22	12.11	11.24	10.78	10.71	9.38	10.34	10.27	11.76	11.23	10.45
6	12.89	13.19	12.08	11.21	10.88	10.89	9.37	10.39	10.22	11.87	11.20	10.42
7	12.91	13.17	12.05	11.21	11.15	10.80	9.33	9.67	10.18	11.88	11.13	10.40
8	12.91	13.14	12.01	11.19	10.82	10.48	9.56	9.60	10.20	11.88	11.07	10.36
9	12.91	13.11	11.98	11.16	10.36	10.16	10.31	9.55	10.55	11.87	11.06	10.41
10	12.92	13.07	11.94	11.13	11.20	10.08	10.35	9.37	10.46	11.87	11.02	10.49
11	12.91	13.04	11.91	11.10	11.13	10.24	10.25	9.19	10.53	11.88	10.96	---
12	12.89	13.00	11.87	11.07	11.03	10.56	10.49	9.13	10.60	11.89	10.91	---
13	12.86	12.96	11.84	11.04	10.96	10.09	10.74	9.12	10.75	e11.90	10.85	10.53
14	12.90	12.89	11.81	11.01	10.52	10.64	10.77	9.79	10.81	e11.90	10.80	10.49
15	12.99	12.82	11.77	10.98	10.18	10.56	10.70	10.00	10.84	e11.91	10.80	10.46
16	13.10	12.76	11.73	10.95	10.13	10.39	10.66	9.23	10.91	11.90	10.79	10.44
17	13.14	12.71	11.69	10.93	10.09	e10.16	10.68	9.11	10.90	11.87	10.71	e10.42
18	13.19	12.66	11.66	10.90	10.07	10.06	10.72	9.07	11.00	11.83	10.66	10.42
19	13.30	12.61	11.63	10.88	10.05	9.96	10.78	9.05	11.02	11.80	10.77	10.41
20	13.29	12.57	11.61	10.85	10.03	9.83	10.79	9.58	11.04	11.77	10.98	10.40
21	13.28	12.53	11.58	10.82	10.00	9.76	10.82	10.61	11.15	11.74	11.04	10.38
22	13.28	12.49	11.55	10.78	9.98	9.76	10.82	10.41	11.15	11.73	11.07	10.38
23	13.28	12.45	11.55	10.76	9.95	9.71	10.95	9.51	11.17	11.73	10.85	10.43
24	13.29	12.41	11.51	10.73	9.93	9.69	11.00	9.70	11.22	11.67	10.68	10.51
25	13.29	12.37	11.48	10.68	9.91	9.68	11.00	10.14	11.30	11.63	10.86	10.34
26	13.30	12.33	11.44	10.66	9.89	9.68	10.98	10.72	11.36	11.58	11.00	10.29
27	13.31	12.30	11.41	10.64	9.86	9.65	11.03	10.43	11.48	11.51	10.99	10.28
28	13.31	12.26	11.38	10.59	9.85	9.76	11.05	10.32	11.65	11.46	10.76	10.26
29	13.30	12.26	11.35	10.55	9.84	10.54	11.01	10.67	11.61	11.41	10.83	10.25
30	13.29	12.27	11.33	10.53	---	10.88	10.91	10.37	11.66	11.37	10.69	10.23
31	13.28	---	11.31	10.51	---	10.73	---	10.36	---	11.37	10.61	---
TOTAL	405.44	383.64	364.36	339.20	301.46	317.42	312.46	307.39	325.76	363.86	339.59	---
MEAN	13.08	12.79	11.75	10.94	10.40	10.24	10.42	9.92	10.86	11.74	10.95	---
MAX	13.31	13.28	12.24	11.29	11.20	10.94	11.05	10.82	11.66	11.91	11.37	---
MIN	12.80	12.26	11.31	10.51	9.84	9.65	9.33	9.05	10.18	11.37	10.61	---

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 155

262007080321500 S-150 AT TERRYTOWN, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-34	-42	-14	-7.5	47	2.5	6.0	141	-11	-22	-16	e5.8
2	-35	-43	-12	-13	125	304	36	191	89	-22	-12	e11
3	-35	-42	-11	-12	317	535	1.7	464	246	-11	e-9.9	---
4	-35	-39	-10	-9.0	270	461	2.1	426	147	e.00	e-8.4	---
5	-33	-37	-8.0	-8.0	250	361	.55	218	4.9	e4.0	e-.92	-2.1
6	-30	-35	-15	-.15	348	489	6.0	270	e-5.0	e-2.5	e64	e-1.1
7	-40	-35	-10	-2.3	525	399	3.1	13	e4.9	-24	e11	e14
8	-39	-35	-15	-11	211	244	76	13	e13	-23	e6.6	e16
9	-39	-36	-10	-9.5	46	205	330	12	e242	-20	e-1.0	8.0
10	-39	-39	-7.5	-8.0	595	166	148	12	-37	-32	e-13	4.7
11	-37	-41	-15	.65	464	209	115	12	-9.0	-27	e-7.4	---
12	-37	-38	-9.5	5.0	405	286	297	11	-15	-7.5	e-8.2	---
13	-37	-36	-3.9	-4.9	372	109	436	e17	-9.5	-12	e-1.7	-8.0
14	-34	-31	-.65	-3.1	115	367	422	240	-5.5	-21	e5.8	6.5
15	-34	-30	-6.0	-2.6	4.6	326	366	313	e6.0	-18	e88	9.5
16	-39	-26	-8.0	-1.2	3.4	254	382	22	73	-15	e52	13
17	-40	-25	-8.0	e4.3	1.4	e190	390	11	-25	-20	e6.4	e11
18	-41	-28	-11	2.7	1.2	140	413	11	100	-23	e1.2	e17
19	-44	-27	-15	-.70	4.7	69	436	12	e-6.0	-23	e155	13
20	-45	-26	-17	-4.7	4.1	.65	439	196	e-10	-24	e302	8.5
21	-52	-25	-13	-2.2	.65	-.05	452	520	92	-23	e341	e9.0
22	-44	-21	-14	-6.0	.25	-2.7	446	290	-15	-24	e373	e17
23	-44	-26	-17	-.15	-.10	6.5	540	9.0	-13	-18	e117	77
24	-42	-24	-17	2.2	-4.2	4.4	550	121	-10	-14	e9.7	116
25	-40	-19	-7.0	-3.4	-1.8	4.5	530	260	-3.0	-10	e229	8.0
26	-42	-20	-14	.85	-.80	6.5	515	498	e-8.0	-11	e247	8.5
27	-42	-23	-3.9	4.1	-1.9	11	570	277	e27	-4.6	e188	11
28	-43	-23	-6.5	-1.8	-1.2	93	560	251	137	-9.5	e-2.0	13
29	-38	-14	-9.5	-.55	-2.8	505	525	250	-20	-7.0	e116	15
30	-40	-11	3.8	3.6	---	540	450	-23	-8.0	-8.5	e25	16
31	-41	---	-6.0	1.7	---	425	---	2.6	---	-11	e-5.7	---
TOTAL	-1215	-897	-310.65	-86.65	4097.50	6710.30	9443.45	5060.6	971.8	-483.60	2251.48	---
MEAN	-39.2	-29.9	-10.0	-2.80	141	216	315	163	32.4	-15.6	72.6	---
MAX	-30	-11	3.8	5.0	595	540	570	520	246	4.0	373	---
MIN	-52	-43	-17	-13	-4.2	-2.7	.55	-23	-37	-32	-16	---
AC-FT	-2410	-1780	-616	-172	8130	13310	18730	10040	1930	-959	4470	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1996, BY WATER YEAR (WY)

	MEAN	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	-7.34	-1.44	-11.0	72.6	145	149	193	207	160	23.5	25.1	-5.38
MAX	59.1	50.8	7.15	237	523	514	566	602	390	69.3	88.0	91.2
(WY)	1994	1993	1994	1991	1992	1992	1992	1992	1992	1994	1993	1993
MIN	-49.0	-50.0	-50.0	-50.0	-21.1	-13.7	-16.0	.77	-.70	-22.1	-31.6	-52.0
(WY)	1995	1995	1995	1995	1995	1995	1993	1993	1993	1992	1992	1992

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

WATER YEARS 1991 - 1996

ANNUAL TOTAL	-148.74		
ANNUAL MEAN	-.41	25.3	
HIGHEST ANNUAL MEAN		63.1	1994
LOWEST ANNUAL MEAN		-6.29	1995
HIGHEST DAILY MEAN	670	May 21	850 Jan 16 1991
LOWEST DAILY MEAN	-52	Oct 21	-108 Sep 20 1992
ANNUAL SEVEN-DAY MINIMUM	-50	Jan 1	-82 Sep 16 1992
ANNUAL RUNOFF (AC-FT)	-295		18350
10 PERCENT EXCEEDS	7.9		465
50 PERCENT EXCEEDS	-18		-.90
90 PERCENT EXCEEDS	-46		-36

e Estimated

02284300 NORTH NEW RIVER CANAL AT S-7, AT TERRYTOWN, FL

LOCATION.--Lat 26°20'07", long 80°32'14", in SW1/4 sec.22, T.47 S., R.38 E., Palm Beach County, Hydrologic Unit 03090202, 50 ft east of US 27 in Terrytown, and 25 mi south of Okeelanta.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1944 to December 1959 (weekly gage heights and periodic discharge measurements), January 1960 to 1982 (discharge), November 1990 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Flow regulated by pumpage and operation of gate at pump station 7 and by operation of Structure 351 at Lake Okeechobee. AVM system began operation November 8, 1990. Discharge computed from relations between stage vs area and line velocity vs mean velocity index ratings.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 24 complete water years of discharge (1961-82, 1993, 1995).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.09 ft Oct. 31, 1961; minimum, 7.86 ft Dec. 24, 1990 (Corrected).

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 12.60 ft Oct. 6; minimum, 9.08 ft June 11.

STATION NUMBER 02284300
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.11	10.26	---	11.28	10.92	11.70	10.17	10.96	9.88	10.11	10.78	10.33
2	10.66	10.22	---	10.79	10.58	11.57	10.73	10.68	10.83	10.37	10.96	10.69
3	10.52	10.18	11.88	11.08	11.03	11.29	10.54	11.13	10.83	10.19	10.68	10.82
4	10.61	10.59	11.90	10.87	10.97	11.13	10.44	11.10	10.47	10.23	10.64	10.36
5	10.69	10.85	11.92	11.21	10.88	10.91	10.48	10.57	10.22	10.81	10.90	10.10
6	11.17	11.11	11.51	11.06	11.05	11.18	11.11	10.74	10.07	10.87	11.31	10.16
7	10.07	11.11	11.76	11.00	11.47	11.00	11.36	10.74	10.31	9.97	11.33	10.93
8	10.22	10.94	11.46	11.11	11.37	10.86	10.65	11.18	10.74	9.91	11.15	11.20
9	10.08	10.66	11.66	10.92	11.22	10.73	10.48	11.28	10.96	9.81	10.66	10.70
10	10.00	10.40	11.90	11.13	11.62	10.47	10.37	11.23	10.28	9.83	10.27	10.20
11	10.36	10.35	11.45	11.33	11.39	10.61	10.30	11.22	9.51	9.59	10.21	e10.66
12	10.46	10.58	11.79	11.38	11.23	10.68	10.62	11.41	9.38	10.61	10.53	e10.32
13	10.37	10.81	11.87	11.43	11.13	10.08	10.98	11.34	9.41	e10.70	10.41	9.97
14	10.64	11.30	11.65	11.20	11.12	10.82	10.99	11.40	9.67	10.52	10.53	10.76
15	10.87	11.23	11.43	11.19	11.29	10.70	10.87	11.19	10.49	10.62	11.23	11.09
16	10.47	11.57	11.29	11.36	11.39	10.48	10.85	10.92	10.86	10.47	10.45	11.31
17	10.07	11.79	11.20	11.23	11.21	10.23	10.88	11.17	10.56	10.10	10.61	e11.29
18	9.96	11.57	11.05	10.95	10.71	10.13	10.94	11.08	10.61	9.86	10.76	11.19
19	9.94	11.51	10.86	11.08	11.06	10.37	11.01	11.08	10.07	9.96	10.95	e11.05
20	9.98	11.47	10.72	11.13	11.36	10.56	11.03	11.15	9.98	10.01	11.10	e10.71
21	9.82	11.51	11.23	10.95	11.40	10.46	11.07	10.96	10.49	10.03	11.19	10.57
22	9.94	11.58	11.02	11.07	11.55	10.16	11.07	10.89	9.90	10.19	11.24	10.93
23	9.72	11.22	11.12	10.90	11.59	10.53	11.29	10.04	9.97	10.45	10.57	10.80
24	10.06	11.37	11.07	10.84	11.62	10.89	11.37	10.09	10.11	10.85	10.80	10.38
25	10.51	11.65	11.44	10.87	11.66	11.03	11.34	10.23	9.81	11.03	11.03	10.46
26	10.28	11.63	10.87	10.94	11.63	10.85	11.31	10.97	10.12	11.02	11.02	10.63
27	10.22	11.44	10.94	11.20	11.47	11.20	11.42	10.54	11.01	11.34	10.68	11.08
28	10.04	11.27	11.18	11.04	11.53	11.56	11.42	10.39	10.88	11.00	10.23	11.26
29	10.58	11.62	11.17	10.77	11.71	11.45	11.34	10.79	10.27	10.91	10.76	11.49
30	10.52	11.78	11.33	10.79	---	11.23	11.16	10.40	10.75	10.89	10.29	11.72
31	10.28	---	11.10	11.12	---	11.01	---	10.15	---	10.92	10.10	---
TOTAL	320.22	333.57	---	343.22	327.16	335.87	327.59	337.02	308.44	323.17	333.37	323.16
MEAN	10.33	11.12	---	11.07	11.28	10.83	10.92	10.87	10.28	10.42	10.75	10.77
MAX	11.17	11.79	---	11.43	11.71	11.70	11.42	11.41	11.01	11.34	11.33	11.72
MIN	9.72	10.18	---	10.77	10.58	10.08	10.17	10.04	9.38	9.59	10.10	9.97

e Estimated

02284300 NORTH NEW RIVER CANAL AT S-7, AT TERRYTOWN, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	271	---	12	715	34	575	12	535	496	16	241
2	258	290	---	570	478	43	10	452	11	291	18	12
3	305	291	34	985	90	27	26	590	4.2	266	16	e14
4	348	22	47	500	94	28	18	915	10	10	12	194
5	323	15	33	680	140	13	16	650	14	e17	25	11
6	1500	20	17	590	219	17	34	14	e18	1690	16	13
7	1230	50	25	740	354	37	13	11	e64	2370	11	14
8	825	21	27	790	600	13	403	78	e112	1660	28	18
9	835	8.0	30	630	815	13	328	38	e399	1210	465	401
10	468	12	18	690	309	1.7	540	41	1890	1000	282	193
11	293	16	491	615	232	344	61	39	2000	414	26	e206
12	321	13	62	595	145	1120	11	78	2040	164	14	e210
13	318	17	86	590	78	880	28	119	2070	e535	6.0	20
14	311	8.5	550	610	87	32	180	191	1130	493	11	4.9
15	1100	29	865	615	207	14	205	62	32	24	26	6.0
16	2110	22	785	660	248	15	135	12	32	286	374	18
17	2250	11	720	650	130	13	121	14	695	262	8.5	e19
18	1990	3.4	825	740	10	e20	79	10	497	9.5	14	14
19	1670	19	780	675	24	13	89	10	975	19	15	e16
20	1540	32	560	945	25	13	46	16	480	19	7.5	e16
21	1510	30	700	605	39	15	30	47	1490	12	9.5	30
22	1470	23	885	655	34	8.0	42	1370	2170	17	9.5	16
23	1160	13	725	710	30	4.1	31	1390	1590	19	379	330
24	585	22	775	680	e38	24	33	515	1620	24	15	204
25	429	20	4.0	630	34	20	32	317	1560	19	15	2.2
26	282	22	545	595	30	21	29	45	580	31	303	16
27	436	22	570	690	26	41	148	467	414	10	885	5.5
28	189	35	505	595	29	22	303	271	1620	11	505	14
29	22	38	610	565	49	15	266	1280	1240	13	412	13
30	255	32	770	550	---	39	117	1910	1060	22	375	19
31	313	---	775	570	---	650	---	1690	---	19	109	---
TOTAL	24678	1427.9	---	19727	5309	3549.8	3949	12654	26352.2	11432.5	4408.0	2290.6
MEAN	796	47.6	---	636	183	115	132	408	878	369	142	76.4
MAX	2250	291	---	985	815	1120	575	1910	2170	2370	885	401
MIN	22	3.4	---	12	10	1.7	10	10	4.2	9.5	6.0	2.2
AC-FT	48950	2830	---	39130	10530	7040	7830	25100	52270	22680	8740	4540

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1996, BY WATER YEAR (WY)

MEAN	270	156	114	200	163	196	234	243	390	368	407	440
MAX	1114	1331	1319	1527	1486	864	1442	1066	1553	1523	1359	1814
(WY)	1995	1995	1995	1993	1993	1966	1993	1966	1982	1992	1974	1992
MIN	.000	.000	-1.39	.000	.000	.000	.000	.000	.000	.000	-126	.000
(WY)	1961	1961	1967	1960	1974	1967	1967	1967	1981	1981	1966	1976

SUMMARY STATISTICS

WATER YEARS 1960 - 1996

ANNUAL MEAN	244
HIGHEST ANNUAL MEAN	663
LOWEST ANNUAL MEAN	47.1
HIGHEST DAILY MEAN	2860
LOWEST DAILY MEAN	-755
ANNUAL SEVEN-DAY MINIMUM	-620
ANNUAL RUNOFF (AC-FT)	176800
10 PERCENT EXCEEDS	892
50 PERCENT EXCEEDS	7.5
90 PERCENT EXCEEDS	.00

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

261952080074500 E-3 CANAL, SW 18TH STREET, BOCA RATON, FL

LOCATION.--Lat 26°19'52", long 80°07'45", in SE1/4NE1/4NW1/4 sec.35, T.47 S., R.42 E., Palm Beach County, Hydrologic Unit 03090202, .7 mi west, 1.5 mi south of I-95, Palmetto Park Road exit in Boca Raton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1982 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Station is also used for salinity monitoring. Station is part of a canal system operated and controlled by Lake Worth Drainage District.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.79 ft May 4, 1982; minimum, 6.66 ft May 30, 1984.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 10.25 ft Oct. 16; minimum, 8.85 ft Apr. 29.

STATION NUMBER 261952080074500
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.80	9.50	9.47	9.10	9.39	9.12	9.33	9.43	9.46	9.23	9.12	9.54
2	9.59	9.48	9.46	9.18	9.36	9.12	9.36	9.56	9.34	9.55	9.14	9.60
3	9.70	9.47	9.45	9.35	9.39	9.16	9.33	9.58	9.25	9.55	9.23	9.78
4	9.64	9.46	9.54	9.49	9.40	9.11	9.28	9.48	9.27	9.56	9.42	9.80
5	9.63	9.44	9.55	9.52	9.36	9.08	9.22	9.51	9.44	9.59	9.39	9.78
6	9.64	9.46	9.52	9.53	9.34	9.04	9.14	9.40	9.46	9.59	9.35	9.72
7	9.62	9.57	9.48	9.58	9.33	9.01	9.18	9.36	9.45	9.56	9.34	9.69
8	9.66	9.62	9.45	9.56	9.32	8.98	9.40	9.39	9.43	9.50	9.31	9.62
9	9.73	9.61	9.44	9.52	9.29	8.94	9.63	9.36	9.54	9.22	9.43	9.67
10	9.68	9.58	9.43	9.49	9.27	8.92	9.54	9.33	9.71	9.10	9.55	9.79
11	9.59	9.60	9.41	9.46	9.25	9.25	9.47	9.32	9.70	9.06	9.68	9.47
12	9.61	9.60	9.38	9.44	9.24	9.52	9.53	9.31	9.62	9.28	9.72	9.68
13	9.62	9.58	9.51	9.41	9.20	9.43	9.48	9.33	9.50	9.36	9.61	9.57
14	9.66	9.61	9.70	9.39	9.18	9.39	9.43	9.46	9.34	9.44	9.41	9.41
15	9.76	9.59	9.75	9.37	9.15	9.31	9.40	9.13	9.57	9.45	9.35	9.29
16	10.08	9.58	9.72	9.34	9.15	9.22	9.43	9.33	9.55	9.50	9.31	9.40
17	9.99	9.57	9.68	9.47	9.14	9.15	9.40	9.36	9.61	9.47	9.26	9.57
18	9.88	9.56	9.64	9.54	9.13	9.08	9.37	9.34	9.56	9.48	9.22	9.55
19	9.58	9.55	9.64	9.55	9.11	9.15	9.34	9.31	9.56	9.46	9.42	9.47
20	9.53	9.53	9.64	9.55	9.09	9.29	9.30	9.27	9.78	9.45	9.50	9.45
21	9.71	9.49	9.58	9.54	9.06	9.33	9.26	9.41	9.97	9.42	9.42	9.54
22	9.59	9.47	9.55	9.51	9.04	9.36	9.22	9.58	9.70	9.39	9.22	9.51
23	9.56	9.46	9.65	9.47	9.02	9.56	9.17	9.52	9.49	9.35	9.37	9.45
24	9.62	9.45	9.71	9.44	9.11	9.59	9.14	9.56	9.50	9.32	9.47	9.41
25	9.61	9.44	9.72	9.41	9.12	9.50	9.12	9.54	9.63	9.28	9.50	9.38
26	9.58	9.41	9.72	9.38	9.11	9.24	9.06	9.53	9.58	9.24	9.55	9.42
27	9.60	9.38	9.71	9.39	9.11	9.11	9.00	9.58	9.68	9.20	9.56	9.44
28	9.59	9.35	9.69	9.40	9.12	9.10	8.94	9.59	9.77	9.16	9.52	9.45
29	9.56	9.39	9.60	9.38	9.11	9.16	8.89	9.60	9.38	9.13	9.47	9.41
30	9.52	9.46	9.34	9.39	---	9.14	9.09	9.59	9.18	9.13	9.45	9.43
31	9.50	---	9.20	9.41	---	9.14	---	9.57	---	9.10	9.49	---
TOTAL	299.43	285.26	296.33	292.56	266.89	285.50	278.45	292.63	286.02	290.12	291.78	286.29
MEAN	9.66	9.51	9.56	9.44	9.20	9.21	9.28	9.44	9.53	9.36	9.41	9.54
MAX	10.08	9.62	9.75	9.58	9.40	9.59	9.63	9.60	9.97	9.59	9.72	9.80
MIN	9.50	9.35	9.20	9.10	9.02	8.92	8.89	9.13	9.18	9.06	9.12	9.29

261710080190001 SITE 19 IN CONSERVATION AREA 2A NEAR CORAL SPRINGS, FL

LOCATION.--Lat 26°16'55", long 80°18'23", T.48 S., R.40 E., Broward County, Hydrologic Unit 03090202, in Conservation Area 2A near Coral Springs. Station is located approximately 0.5 mi west of the Sawgrass Expressway and 1 mi north of Sample Road in line with the water tower in Coral Springs. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1992 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Station is one of several located in Conservation Area 2A. Rainfall data available in files of the U.S. Geological Survey.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 15.33 ft Dec. 9, 10, 1994; minimum, 11.02 ft June 23-24, 1993.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 14.58 ft. Oct. 29; minimum, 11.17 ft Feb. 8, and 9.

STATION NUMBER 261710080190001
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.35	14.51	12.53	11.52	11.23	11.42	11.34	11.64	12.22	13.49	12.04	12.13
2	13.30	14.47	12.48	11.50	11.21	11.41	11.31	11.59	12.44	13.46	12.02	12.11
3	13.22	14.44	12.43	11.53	11.21	11.40	11.28	11.57	12.61	13.43	12.01	12.14
4	13.15	14.40	12.39	11.55	11.20	11.37	11.26	11.53	12.72	13.39	11.99	12.16
5	13.11	14.32	12.35	11.52	11.19	11.34	11.25	11.49	12.79	13.34	11.94	12.13
6	13.19	14.26	12.30	11.51	11.19	11.31	11.37	11.45	12.81	13.34	11.89	12.13
7	13.17	14.18	12.25	11.52	11.19	11.30	11.55	11.41	12.80	13.31	11.84	12.15
8	13.17	14.08	12.20	11.52	11.17	11.28	11.79	11.38	12.76	13.28	11.81	12.14
9	13.20	13.96	12.15	11.51	11.25	11.26	12.04	11.34	12.77	13.28	11.85	12.21
10	13.19	13.84	12.10	11.49	11.43	11.25	12.09	11.30	12.92	13.28	11.88	12.33
11	13.16	13.74	12.04	11.47	11.58	11.39	12.13	11.27	12.95	13.29	11.88	12.32
12	13.12	13.65	11.99	11.45	11.69	11.49	12.23	11.23	12.99	13.31	11.87	12.32
13	13.07	13.56	11.97	11.43	11.76	11.49	12.35	11.24	13.01	13.33	11.86	12.31
14	13.05	13.47	11.96	11.42	11.82	11.49	12.45	11.57	13.05	13.33	11.84	12.30
15	13.09	13.39	11.93	11.40	11.87	11.48	12.51	11.52	13.08	13.30	11.83	12.29
16	13.12	13.32	11.89	11.39	11.92	11.47	12.53	11.44	13.11	13.29	11.82	12.29
17	13.16	13.25	11.85	11.38	11.94	11.45	12.51	11.39	13.21	13.26	11.82	12.29
18	13.34	13.19	11.81	11.36	11.90	11.43	12.43	11.35	13.21	13.20	11.82	12.28
19	13.77	13.13	11.79	11.35	11.84	11.49	12.33	11.31	13.26	13.12	11.90	12.28
20	14.11	13.07	11.78	11.34	11.79	11.51	12.24	11.28	13.26	13.01	11.93	12.27
21	14.27	13.01	11.75	11.33	11.75	11.50	12.15	11.33	13.37	12.90	11.93	12.29
22	14.36	12.95	11.72	11.32	11.71	11.48	12.06	11.41	13.48	12.79	11.92	12.35
23	14.43	12.89	11.73	11.31	11.66	11.45	11.99	11.40	13.48	12.68	11.93	12.33
24	14.47	12.83	11.71	11.29	11.62	11.42	11.93	11.45	13.47	12.59	11.98	12.32
25	14.51	12.77	11.68	11.28	11.58	11.40	11.87	11.59	13.45	12.50	11.99	12.31
26	14.54	12.72	11.65	11.27	11.55	11.38	11.81	11.66	13.45	12.41	12.02	12.30
27	14.57	12.66	11.62	11.26	11.51	11.35	11.76	11.73	13.49	12.33	12.02	12.29
28	14.57	12.60	11.60	11.25	11.48	11.33	11.70	11.77	13.52	12.26	12.02	12.28
29	14.57	12.59	11.58	11.23	11.44	11.30	11.65	11.84	13.53	12.19	12.02	12.28
30	14.56	12.59	11.56	11.23	---	11.27	11.63	11.96	13.51	12.13	12.02	12.28
31	14.54	---	11.54	11.23	---	11.28	---	12.02	---	12.07	12.04	---
TOTAL	424.43	403.84	370.33	353.16	334.68	353.19	357.54	356.46	392.72	402.89	369.73	367.61
MEAN	13.69	13.46	11.95	11.39	11.54	11.39	11.92	11.50	13.09	13.00	11.93	12.25
MAX	14.57	14.51	12.53	11.55	11.94	11.51	12.53	12.02	13.53	13.49	12.04	12.35
MIN	13.05	12.59	11.54	11.23	11.17	11.25	11.25	11.23	12.22	12.07	11.81	12.11

261300080280001 NORTH NEW RIVER CANAL AT S-11-C, NEAR ANDYTOWN, FL

LOCATION.--Lat 26°13'43", long 80°27'37", in NE1/4 sec.32, T.48 S., R.37 E., Broward County, Hydrologic Unit 03090202, in North New River Canal on the east bank of the spillway, 100 ft southeast of S-11-C, a four gated control structure, 5.9 mi north of SR-84 on US 27. The auxiliary stage recorder is located approximately 30 yards downstream of structure S-11-C on the west bank of the spillway.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders upstream and downstream of structure S-11-C. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Station is one of several located on L-38W which regulates flow for Conservation Areas 2A and 3A. Gage records are primarily used to determine stages.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum upstream gage height, 14.90 ft Dec. 22, 1994; maximum downstream gage height, 13.93 ft Dec. 12, 1994; minimum upstream gage height, 10.10 ft June 1, 1992; minimum downstream gage height, 7.97 ft June 2, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum upstream gage height, 13.53 ft Oct. 27-30; maximum downstream gage height, 13.47 ft Oct. 28, 29; minimum upstream gage height, 10.38 ft Apr. 15; minimum downstream gage height, 8.99 ft. May 20.

STATION NUMBER 261300080280001
UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.97	13.50	12.38	11.52	10.93	11.20	11.42	10.91	11.54	11.83	11.53	12.19
2	12.95	13.49	12.32	11.48	10.97	11.20	11.40	10.94	11.47	11.84	11.53	12.18
3	12.92	13.47	12.26	11.50	10.90	11.22	11.37	11.07	11.39	11.83	11.61	12.17
4	12.88	13.45	12.21	11.55	10.83	11.23	11.34	11.17	11.29	11.81	11.61	12.18
5	12.87	13.42	12.16	11.53	10.74	11.20	11.30	11.19	11.19	11.79	11.59	12.17
6	12.96	13.38	12.11	11.50	10.75	11.18	11.28	11.13	11.09	---	11.55	12.19
7	12.98	13.33	12.05	11.53	10.88	11.15	11.29	11.01	11.07	---	11.52	12.22
8	13.02	13.29	11.99	11.53	10.97	11.14	11.37	10.92	11.23	---	11.54	12.20
9	13.02	13.23	11.94	11.50	11.07	11.14	11.49	10.79	11.42	11.95	11.62	12.25
10	13.01	13.17	11.88	11.48	11.10	11.16	11.34	10.72	---	12.00	11.72	12.31
11	12.98	13.11	11.85	11.45	11.11	11.28	10.94	10.75	---	11.99	11.76	12.34
12	12.94	13.06	11.82	11.42	11.10	11.40	10.67	10.73	11.87	11.97	11.78	12.36
13	12.91	13.13	11.80	11.39	11.09	11.48	10.49	10.76	11.57	11.96	11.77	12.37
14	12.93	13.29	11.80	11.37	11.06	11.48	10.41	11.02	11.50	11.96	11.77	12.36
15	12.99	13.26	11.82	11.34	11.09	11.47	10.45	11.08	11.48	11.95	11.77	12.35
16	13.08	13.20	11.83	11.33	11.12	11.47	10.63	11.08	11.46	11.96	11.79	12.35
17	13.13	13.13	11.83	11.31	11.14	11.46	10.74	11.08	11.45	11.94	11.80	12.34
18	13.26	13.07	11.82	11.30	11.14	11.44	10.87	11.06	---	11.90	11.80	12.34
19	13.37	13.01	11.82	11.31	11.16	11.47	10.96	11.05	---	11.87	11.83	12.34
20	13.37	12.95	11.82	11.33	11.18	11.49	11.01	11.05	11.64	11.83	11.87	12.33
21	13.34	12.89	11.79	11.30	11.20	11.49	11.06	11.13	11.69	11.79	11.88	12.32
22	13.38	12.82	11.78	11.28	11.22	11.48	11.10	11.29	11.80	11.76	11.87	12.34
23	13.41	12.75	11.81	11.24	11.22	11.47	11.11	11.42	11.89	11.74	11.89	12.38
24	13.44	12.69	11.80	11.20	11.23	11.46	11.11	11.51	11.84	11.69	11.92	12.40
25	13.47	12.63	11.75	11.17	11.24	11.43	11.10	11.62	11.63	11.64	11.94	12.39
26	13.49	12.56	11.70	11.13	11.24	11.41	11.08	11.68	11.63	11.65	11.99	12.38
27	13.51	12.50	11.67	11.10	11.23	11.39	11.04	11.76	11.70	11.75	12.07	12.38
28	13.53	12.44	11.64	11.07	11.22	11.37	11.04	11.78	11.75	11.73	12.20	12.37
29	13.53	12.44	11.61	11.01	11.22	11.34	---	11.66	11.77	11.69	12.19	12.35
30	13.52	12.44	11.60	10.95	---	11.32	---	11.60	11.81	11.63	12.19	12.37
31	13.50	---	11.58	10.91	---	11.34	---	11.57	---	11.58	12.17	---
TOTAL	408.66	391.10	368.24	351.03	321.35	351.76	---	346.53	---	---	366.07	369.22
MEAN	13.18	13.04	11.88	11.32	11.08	11.35	---	11.18	---	---	11.81	12.31
MAX	13.53	13.50	12.38	11.55	11.24	11.49	---	11.78	---	---	12.20	12.40
MIN	12.87	12.44	11.58	10.91	10.74	11.14	---	10.72	---	---	11.52	12.17

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 161

261300080280001 NORTH NEW RIVER CANAL AT S-11-C, NEAR ANDYTOWN, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.87	13.44	12.23	11.19	10.43	9.86	9.61	9.87	10.32	11.80	11.29	10.58
2	12.87	13.43	12.19	11.18	10.44	9.88	9.51	9.77	10.30	11.81	11.26	10.55
3	12.85	13.42	12.15	11.20	10.44	9.96	9.44	9.94	10.32	11.81	11.25	10.53
4	12.82	13.40	12.11	11.20	10.42	9.97	9.41	9.93	10.30	11.80	11.21	10.50
5	12.81	13.37	12.07	11.16	10.37	9.94	9.38	9.83	10.25	11.79	11.16	10.46
6	12.91	13.34	12.03	11.13	10.37	9.94	9.36	9.81	10.20	11.90	11.12	10.43
7	12.93	13.30	12.00	11.14	10.38	9.94	9.34	9.62	10.16	11.91	11.04	10.42
8	12.94	13.27	11.96	11.13	10.35	9.92	9.47	9.55	10.17	11.91	10.96	10.38
9	12.95	13.22	11.92	11.09	10.29	9.84	9.82	9.50	10.29	11.92	10.95	10.43
10	12.95	13.16	11.88	11.06	10.33	9.86	10.15	9.34	10.44	11.95	10.92	10.52
11	12.93	13.11	11.83	11.02	10.33	9.97	10.18	9.17	10.52	11.95	10.88	10.57
12	12.90	13.07	11.78	11.00	10.30	10.01	10.17	9.12	10.67	11.93	10.84	10.57
13	12.87	12.97	11.74	10.97	10.28	9.94	10.16	9.10	10.91	11.92	10.80	10.55
14	12.90	12.87	11.70	10.94	10.23	9.97	10.13	9.34	10.94	11.93	10.75	10.50
15	12.98	12.80	11.66	10.91	10.17	9.97	10.09	9.32	10.96	11.91	10.73	10.48
16	13.07	12.73	11.63	10.89	10.15	9.93	10.02	9.19	10.98	11.93	10.71	10.45
17	13.11	12.68	11.59	10.86	10.11	9.89	10.02	9.10	11.00	11.90	10.66	10.44
18	13.22	12.64	11.56	10.84	10.08	9.90	10.03	9.05	11.05	11.87	10.62	10.44
19	13.31	12.59	11.54	10.83	10.05	9.90	10.04	9.02	11.14	11.83	10.62	10.44
20	13.32	12.55	11.53	10.80	10.04	9.84	10.04	9.15	11.15	11.80	10.64	10.42
21	13.33	12.51	11.49	10.77	10.01	9.79	10.03	9.46	11.22	11.76	10.65	10.40
22	13.35	12.46	11.45	10.74	9.99	9.78	10.04	9.62	11.30	11.73	10.63	10.41
23	13.37	12.42	11.43	10.71	9.97	9.73	10.04	9.47	11.34	11.72	10.65	10.41
24	13.39	12.38	11.40	10.68	9.94	9.69	10.03	9.47	11.48	11.67	10.64	10.41
25	13.41	12.34	11.36	10.64	9.92	9.67	10.03	9.55	11.56	11.62	10.66	10.36
26	13.43	12.30	11.34	10.62	9.90	9.68	10.01	9.64	11.59	11.55	10.69	10.32
27	13.45	12.26	11.31	10.60	9.88	9.64	9.99	9.73	11.65	11.47	10.71	10.30
28	13.46	12.23	11.28	10.55	9.86	9.62	9.98	9.91	11.70	11.41	10.69	10.27
29	13.46	12.25	11.25	10.52	9.85	9.67	9.97	10.26	11.72	11.37	10.66	10.27
30	13.45	12.26	11.23	10.51	---	9.71	9.99	10.33	11.77	11.33	10.63	10.25
31	13.45	---	11.21	10.48	---	9.70	---	10.33	---	11.30	10.60	---
TOTAL	407.06	384.77	361.85	337.36	294.88	305.11	296.48	296.49	327.40	364.50	335.62	313.06
MEAN	13.13	12.83	11.67	10.88	10.17	9.84	9.88	9.56	10.91	11.76	10.83	10.44
MAX	13.46	13.44	12.23	11.20	10.44	10.01	10.18	10.33	11.77	11.95	11.29	10.58
MIN	12.81	12.23	11.21	10.48	9.85	9.62	9.34	9.02	10.16	11.30	10.60	10.25

262240080258001 SITE 17 NEAR L-38 IN CONSERVATION AREA 2A NEAR CORAL SPRINGS, FL

LOCATION.--Lat 26°17'11", long 80°24'40", in NE1/4 sec.11, T.48 S., R.39 E., Broward County, Hydrologic Unit 03090202, in Conservation Area 2A near L-38 and approximately 7 mi west of Coral Springs.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1991 to current year. Prior to August 1991 station was operated by the U.S. Army Corps of Engineers.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping bucket rain gage. Prior to June 23, 1992 rain gage was float type. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data is not published but is available in files of the U.S. Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 15.38 ft Dec. 9, 1994; minimum, 10.57 ft June 1, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 14.44 ft Oct. 28-29; minimum, 11.45 ft Mar. 9-10.

STATION NUMBER 262240080258001
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.44	14.40	12.66	11.85	11.64	11.59	11.66	11.80	12.05	13.25	12.19	12.22
2	13.38	14.38	12.61	11.85	11.63	11.58	11.61	11.79	12.03	13.23	12.17	12.21
3	13.32	14.35	12.56	11.86	11.66	11.58	11.61	11.78	12.05	13.19	12.15	12.20
4	13.27	14.32	12.52	11.87	11.66	11.57	11.61	11.80	12.14	13.16	12.14	12.19
5	13.25	14.26	12.47	11.87	11.63	11.56	11.61	11.77	12.24	13.12	12.12	12.19
6	13.30	14.20	12.42	11.86	11.63	11.56	11.61	11.74	---	13.17	12.00	12.18
7	13.27	14.14	12.38	11.87	11.63	11.54	11.61	11.71	---	13.14	11.96	12.20
8	13.29	14.07	12.33	11.87	11.62	11.50	11.67	11.68	---	13.11	11.93	12.20
9	13.32	13.97	12.29	11.86	11.61	11.46	11.75	11.67	---	13.09	11.99	12.21
10	13.31	13.88	12.24	11.85	11.60	11.47	11.76	11.64	---	13.10	12.03	12.25
11	13.29	13.79	12.19	11.83	11.59	11.61	11.75	11.62	12.63	13.10	12.01	12.27
12	13.24	13.70	12.15	11.82	11.57	11.68	11.75	11.60	12.64	13.10	12.00	12.29
13	13.19	13.61	12.13	11.81	11.55	11.70	11.77	11.61	12.68	13.10	11.97	12.31
14	13.18	13.54	12.11	11.80	11.54	11.70	11.84	11.77	12.73	13.08	11.95	12.32
15	13.21	13.47	12.08	11.78	11.53	11.71	11.96	11.74	12.76	13.06	11.94	12.32
16	13.27	13.42	12.06	11.78	11.53	11.71	12.05	11.72	---	13.05	11.93	12.31
17	13.29	13.36	12.04	11.77	11.53	11.70	12.10	11.69	---	13.03	11.93	12.31
18	13.40	13.30	12.01	11.76	11.53	11.70	12.13	11.67	---	12.99	11.93	12.31
19	13.61	13.24	12.00	11.75	11.54	11.72	12.14	11.66	---	12.94	11.97	12.30
20	13.83	13.18	11.99	11.74	11.62	11.73	12.13	11.64	---	12.88	11.97	12.30
21	14.01	13.13	11.98	11.73	11.67	11.70	12.10	11.70	12.98	12.81	11.98	12.30
22	14.13	13.07	11.96	11.72	11.68	11.69	12.06	11.78	13.07	12.75	11.96	12.33
23	14.23	13.01	11.96	11.71	11.68	11.68	12.02	11.76	13.10	12.68	11.94	12.34
24	14.30	12.95	11.96	11.70	11.68	11.68	11.98	11.79	13.14	12.60	11.94	12.35
25	14.35	12.89	11.95	11.69	11.66	11.67	11.94	11.87	13.16	12.53	11.97	12.35
26	14.38	12.83	11.93	11.68	11.65	11.66	11.90	11.92	13.21	12.47	12.02	12.35
27	14.41	12.78	11.92	11.67	11.64	11.65	11.87	12.00	13.24	12.40	12.07	12.34
28	14.43	12.73	11.90	11.65	11.62	11.64	11.84	12.04	13.27	12.33	12.19	12.33
29	14.43	12.71	11.89	11.65	11.61	11.62	11.81	12.09	13.28	12.28	12.17	12.32
30	14.43	12.71	11.87	11.65	---	11.62	11.79	12.09	13.27	12.23	12.16	12.33
31	14.42	---	11.86	11.65	---	11.64	---	12.08	---	12.21	12.15	---
TOTAL	424.18	405.39	376.42	364.95	336.73	360.62	355.43	365.22	---	399.18	372.83	368.43
MEAN	13.68	13.51	12.14	11.77	11.61	11.63	11.85	11.78	---	12.88	12.03	12.28
MAX	14.43	14.40	12.66	11.87	11.68	11.73	12.14	12.09	---	13.25	12.19	12.35
MIN	13.18	12.71	11.86	11.65	11.53	11.46	11.61	11.60	---	12.21	11.93	12.18

261200080275001 NORTH NEW RIVER CANAL AT S-11-B NEAR ANDYTOWN, FL

LOCATION.--Lat 26°12'08", long 80°27'13", in NE1/4 sec.9, T.48 S., R.37 E., Broward County, Hydrologic Unit 03090202, on North New River Canal on the east bank of the spillway, 100 ft southeast of S-11-B a 4-gated control structure, 4.0 mi north of SR-84 on US 27. The auxiliary stage recorder is located approximately 30 yards downstream of S-11-B, on the west bank of the spillway .

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders upstream and downstream of structure S-11-B. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Station is one of several located on L-38W which regulates flow for Conservation Area 2A and 3A. Gage records are primarily used to determine stage.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum upstream gage height, 14.85 ft Jan. 15, 1995; maximum downstream gage height, 13.84 ft Dec. 5, 1994; minimum upstream gage height, 10.10 ft June 2, 1992; minimum downstream gage height, 7.77 ft June 2, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum upstream gage height, 13.53 ft Oct. 28, 29; maximum downstream gage height, 13.42 ft Oct. 27-29; minimum upstream gage height, 10.39 ft Apr. 15; minimum downstream gage height, 9.01 ft May 20.

STATION NUMBER 261200080275001

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.98	13.50	12.39	11.50	10.85	11.21	11.42	10.98	11.54	11.82	11.52	12.18
2	12.95	13.49	12.34	11.44	10.92	11.22	11.42	10.98	11.49	11.83	11.52	12.17
3	12.92	13.48	12.28	11.47	10.88	11.25	11.39	11.11	11.41	11.82	11.60	12.17
4	12.87	13.46	12.24	11.50	10.83	11.25	11.36	11.20	11.31	11.81	11.61	12.18
5	12.87	13.43	12.19	11.49	10.73	11.21	11.33	11.22	11.20	11.79	11.58	12.18
6	12.96	13.39	12.13	11.46	10.74	11.18	11.30	11.17	11.11	11.88	11.55	12.19
7	12.98	13.34	12.08	11.47	10.86	11.16	11.31	11.05	11.09	11.90	11.51	12.22
8	13.02	13.30	12.02	11.47	10.95	11.16	11.40	10.96	11.25	11.91	11.54	12.21
9	13.02	13.25	11.97	11.44	11.05	11.17	11.55	10.84	11.47	11.92	11.61	12.24
10	13.01	13.18	11.92	11.42	11.10	11.18	11.36	10.75	11.76	11.96	11.71	12.31
11	12.99	13.13	11.87	11.39	11.11	11.30	10.96	10.78	11.85	11.95	11.76	---
12	12.96	13.08	11.84	11.37	11.12	11.41	10.68	10.76	11.86	11.93	11.78	---
13	12.93	13.15	11.81	11.34	11.11	11.48	10.51	10.79	11.54	11.93	11.77	12.37
14	12.95	13.31	11.80	11.31	11.08	11.49	10.43	11.05	11.48	11.93	11.77	12.36
15	13.01	13.28	11.82	11.29	11.09	11.48	10.47	11.11	11.45	11.91	11.77	12.35
16	13.10	13.22	11.83	11.27	11.13	11.47	10.67	11.11	11.43	11.93	11.78	12.34
17	13.15	13.16	11.82	11.26	11.16	11.46	10.77	11.11	11.43	11.91	11.80	12.34
18	13.28	13.10	11.81	11.24	11.16	11.44	10.92	11.10	---	11.87	11.80	12.34
19	13.40	13.04	11.81	---	11.17	11.49	11.01	11.08	---	11.84	11.83	12.33
20	13.39	12.97	11.80	---	11.19	11.52	11.08	11.08	11.63	11.81	11.87	12.33
21	13.36	12.91	11.79	---	11.21	11.51	11.12	11.16	11.70	11.77	11.88	12.32
22	13.39	12.85	11.77	---	11.23	11.49	11.15	11.30	11.82	11.74	11.87	12.34
23	13.42	12.78	11.80	11.18	11.24	11.48	11.17	11.43	11.90	11.71	11.88	12.38
24	13.44	12.72	11.79	11.14	11.25	11.47	11.17	11.52	11.82	11.67	11.91	12.39
25	13.47	12.65	11.75	11.10	11.25	11.44	11.16	11.63	11.61	11.62	11.95	12.39
26	13.49	12.59	11.69	11.06	11.25	11.42	11.13	11.71	11.63	11.62	11.99	12.38
27	13.51	12.53	11.65	11.03	11.25	11.40	11.08	11.79	11.68	11.74	12.07	12.37
28	13.52	12.46	11.62	11.00	11.23	11.38	11.07	11.82	11.73	11.72	12.19	12.36
29	13.53	12.46	11.59	10.94	11.23	11.36	11.03	11.70	11.75	11.68	12.18	12.35
30	13.52	12.45	11.56	10.88	---	11.34	11.01	11.62	11.79	11.62	12.18	12.37
31	13.50	---	11.54	10.83	---	11.35	---	11.58	---	11.56	12.17	---
TOTAL	408.89	391.66	368.32	---	321.37	352.17	332.43	347.49	---	366.10	365.95	---
MEAN	13.19	13.06	11.88	---	11.08	11.36	11.08	11.21	---	11.81	11.80	---
MAX	13.53	13.50	12.39	---	11.25	11.52	11.55	11.82	---	11.96	12.19	---
MIN	12.87	12.45	11.54	---	10.73	11.16	10.43	10.75	---	11.56	11.51	---

EVERGLADES AND SOUTHEASTERN COASTAL AREA

261200080275001 NORTH NEW RIVER CANAL AT S-11-B NEAR ANDYTOWN, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.86	13.39	12.21	11.19	10.44	9.91	9.61	9.67	10.27	11.73	11.24	10.57
2	12.85	13.39	12.17	11.18	10.44	9.92	9.52	9.62	---	11.75	11.20	10.54
3	12.83	13.37	12.13	11.20	10.44	9.97	9.46	9.74	---	11.75	11.17	10.51
4	12.80	13.36	12.10	11.20	10.41	9.97	9.43	9.73	10.25	11.74	11.14	10.48
5	12.80	13.33	12.06	11.17	10.37	9.95	9.39	9.66	10.21	11.73	11.08	10.45
6	12.90	13.30	12.02	11.13	10.38	9.94	9.38	9.64	10.17	11.83	11.05	10.42
7	12.93	13.26	11.99	11.14	10.38	9.94	9.36	9.53	10.13	11.84	10.99	10.41
8	12.94	13.23	11.95	11.13	10.36	9.94	9.48	9.48	10.11	11.84	10.93	10.37
9	12.94	13.18	11.91	11.09	10.31	9.87	9.74	9.44	10.21	11.85	10.92	10.42
10	12.94	13.12	11.86	11.06	10.32	9.89	10.05	9.32	10.40	11.89	10.88	10.52
11	12.91	13.08	11.81	11.03	10.32	10.01	10.12	9.19	10.51	11.88	10.85	---
12	12.88	13.04	11.77	11.01	10.30	10.05	10.10	9.14	10.66	11.86	10.81	---
13	12.86	12.94	11.73	10.98	10.27	9.99	10.07	9.12	10.90	11.86	10.77	10.54
14	12.88	12.84	11.69	10.95	10.24	9.99	10.05	9.34	10.92	11.86	10.72	10.49
15	12.96	12.77	11.65	10.92	10.19	9.99	9.97	9.30	10.93	11.84	10.70	10.46
16	13.05	12.71	11.62	10.90	10.17	9.96	9.87	9.21	10.95	11.86	10.68	10.44
17	13.10	12.66	11.58	10.88	10.15	9.93	9.85	9.12	10.97	11.84	10.63	10.43
18	13.22	12.62	11.55	10.86	10.12	9.93	9.85	9.07	---	11.81	10.59	10.44
19	13.30	12.57	11.53	10.83	10.09	9.94	9.84	9.04	---	11.78	10.60	10.43
20	13.30	12.53	11.52	10.79	10.07	9.89	9.83	9.15	11.09	11.74	10.60	10.42
21	13.31	12.49	11.48	10.76	10.05	9.84	9.82	9.42	11.17	11.71	10.62	10.39
22	13.32	12.45	11.44	10.72	10.03	9.84	9.81	9.59	11.25	11.68	10.60	10.40
23	13.34	12.41	11.42	10.71	10.00	9.79	9.80	9.49	11.30	11.66	10.62	10.41
24	13.35	12.37	11.40	10.68	9.98	9.75	9.80	9.47	11.43	11.62	10.62	10.40
25	13.37	12.33	11.36	10.64	9.95	9.73	9.78	9.52	11.49	11.57	10.63	10.36
26	13.39	12.28	11.33	10.64	9.93	9.71	9.76	9.59	11.52	11.50	10.65	10.31
27	13.41	12.24	11.30	10.61	9.91	9.64	9.73	9.71	11.58	11.41	10.67	10.30
28	13.42	12.21	11.28	10.56	9.90	9.62	9.71	9.87	11.63	11.36	10.66	10.26
29	13.41	12.23	11.26	10.53	9.90	9.65	9.70	10.15	11.66	11.32	10.63	10.26
30	13.41	12.25	11.23	10.52	---	9.67	9.74	10.27	11.71	11.28	10.61	10.24
31	13.40	---	11.21	10.49	---	9.66	---	10.28	---	11.25	10.58	---
TOTAL	406.38	383.95	361.56	337.50	295.42	305.88	292.62	294.87	---	362.64	334.44	---
MEAN	13.11	12.80	11.66	10.89	10.19	9.87	9.75	9.51	---	11.70	10.79	---
MAX	13.42	13.39	12.21	11.20	10.44	10.05	10.12	10.28	---	11.89	11.24	---
MIN	12.80	12.21	11.21	10.49	9.90	9.62	9.36	9.04	---	11.25	10.58	---

261117080315201 SITE 63 IN CONSERVATION AREA 3A, NEAR ANDYTOWN, FL

LOCATION.--Lat 26°11'19", long 80°31'52", in SE1/4 sec.10, T.38 S., R.49 E., Broward County, Hydrologic Unit 03090202, in Conservation Area 3A, 6.2 mi west of intersection of I-75 and US 27 and 4 mi north of I-75.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data available in files of the U.S. Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 13.45 ft Dec. 6, 9-11, 1994; minimum, 7.24 ft June 1, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 13.19 ft Oct. 18; minimum, 9.31 ft May 19-21.

STATION NUMBER 261117080315201												
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.69	13.11	---	11.18	10.51	9.96	9.72	9.49	9.84	11.35	11.17	10.61
2	12.69	13.11	---	11.16	10.48	9.96	9.70	9.49	9.85	11.38	11.19	10.58
3	12.67	13.09	12.05	11.18	10.48	9.98	9.67	9.50	9.86	11.40	11.19	10.56
4	12.64	13.07	12.02	11.17	10.46	9.96	9.65	9.50	9.87	11.41	11.15	10.53
5	12.65	13.05	11.99	11.15	10.43	9.94	9.63	9.48	9.87	11.42	11.08	10.50
6	12.77	13.03	11.95	11.12	10.40	9.92	9.62	9.47	9.87	11.54	11.04	10.48
7	12.79	13.01	11.93	11.12	10.38	9.91	9.62	9.45	9.87	11.55	11.00	10.47
8	12.79	12.98	11.89	11.10	10.37	9.90	9.69	9.44	9.91	11.55	10.96	10.46
9	12.79	12.95	11.86	11.07	10.35	9.89	9.78	9.41	10.00	11.55	10.94	10.47
10	12.79	12.92	11.82	11.04	10.32	9.88	9.78	9.39	10.09	11.57	10.92	10.50
11	12.78	12.88	11.78	11.01	10.30	9.95	9.77	9.37	10.11	11.59	10.88	10.50
12	12.75	12.84	11.75	10.99	10.29	9.97	9.75	9.36	10.19	11.60	10.85	10.52
13	12.73	12.80	11.70	10.96	10.26	9.96	9.75	9.34	10.25	11.61	10.81	10.54
14	12.75	12.73	11.67	10.94	10.25	9.95	9.75	9.38	10.30	11.62	10.78	10.53
15	12.83	12.66	11.63	10.91	10.23	9.93	9.74	9.38	10.34	11.62	10.77	10.51
16	12.91	12.61	11.61	10.89	10.22	9.92	9.74	9.36	10.39	11.63	10.73	10.48
17	12.97	12.56	11.56	10.87	10.22	9.91	9.72	9.35	10.45	11.63	10.71	10.47
18	13.07	12.51	11.52	10.85	10.20	9.89	9.70	9.33	10.51	11.61	10.67	10.48
19	13.16	12.47	11.50	10.83	10.17	9.92	9.68	9.32	10.62	11.58	10.65	10.46
20	13.14	12.43	11.49	10.82	10.15	9.92	9.66	9.31	10.63	11.56	10.63	10.45
21	13.13	12.40	11.46	10.79	10.13	9.90	9.64	9.36	10.68	11.53	10.64	10.43
22	13.12	12.35	11.43	10.76	10.11	9.88	9.63	9.44	10.75	11.51	10.62	10.41
23	13.11	12.31	11.42	10.74	10.09	9.86	9.61	9.43	10.83	11.50	10.61	10.41
24	13.11	12.27	11.38	10.71	10.07	9.84	9.59	9.44	10.92	11.47	10.63	10.40
25	13.12	12.23	11.34	10.68	10.05	9.83	9.57	9.55	10.96	11.44	10.63	10.38
26	13.12	12.19	11.32	10.65	10.03	9.81	9.56	9.63	11.01	11.40	10.67	10.35
27	13.14	12.16	11.29	10.63	10.02	9.78	9.54	9.65	11.09	11.35	10.70	10.33
28	13.14	12.13	11.26	10.61	9.99	9.78	9.51	9.69	11.19	11.29	10.69	10.31
29	13.14	12.13	11.24	10.58	9.97	9.76	9.50	9.72	11.24	11.25	10.67	10.29
30	13.13	12.15	11.22	10.56	---	9.74	9.49	9.79	11.32	11.22	10.64	10.29
31	13.12	---	11.19	10.54	---	9.73	---	9.82	---	11.18	10.62	---
TOTAL	400.74	379.13	---	337.61	296.93	306.53	289.76	293.64	312.81	355.91	335.24	313.70
MEAN	12.93	12.64	---	10.89	10.24	9.89	9.66	9.47	10.43	11.48	10.81	10.46
MAX	13.16	13.11	---	11.18	10.51	9.98	9.78	9.82	11.32	11.63	11.19	10.61
MIN	12.64	12.13	---	10.54	9.97	9.73	9.49	9.31	9.84	11.18	10.61	10.29

261150080270001 NORTH NEW RIVER CANAL AT S-11-A, NEAR ANDYTOWN, FL

LOCATION.--Lat 26°10'40", long 80°26'53", in SE1/4 sec.16, T.49 S., R.39 E., Broward County, Hydrologic Unit 03090202, on North New River Canal on the east bank of the spillway, 100 ft northeast of S-11-A, (a 4-gated control structure), 2.2 mi north of SR-84 on US 27. The auxiliary stage recorder is located approximately 30 yards upstream of S-11-A on the west bank of the spillway.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders upstream and downstream of structure S-11-A and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Station is one of several located on L-38W which regulates flow for Conservation Areas 2A and 3A. Gage records are primarily used to determine stage. Rainfall data available in files of the U.S. Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum upstream gage height, 15.12 ft Dec. 21, 1994; maximum downstream gage height, 13.80 ft Dec. 5, 1994; minimum upstream gage height, 10.07 ft June 2, 1992; minimum downstream gage height, 7.66 ft June 2, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum upstream gage height, 13.55 ft Oct. 30; maximum downstream gage height, 13.30 ft Oct. 27-30; minimum upstream gage height, 10.40 ft Apr. 15; minimum downstream gage height, 9.05 ft May 13.

STATION NUMBER 261150080270001
UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.00	13.49	12.40	11.48	10.85	11.21	11.42	11.00	11.55	---	11.52	12.17
2	12.97	---	12.34	11.42	10.91	11.24	11.43	11.00	11.50	11.85	11.53	12.17
3	12.94	---	12.28	11.46	10.89	11.27	11.40	11.12	11.42	11.84	11.61	12.18
4	12.88	---	12.23	11.49	10.84	11.27	11.36	11.21	11.33	---	11.61	12.22
5	12.88	---	12.18	11.48	10.75	11.23	11.33	11.23	11.23	---	11.58	12.20
6	12.98	---	12.13	11.45	10.75	11.19	11.31	11.18	11.14	---	---	12.22
7	13.01	---	12.07	11.46	10.86	11.16	11.32	11.07	11.12	11.93	---	12.25
8	13.04	---	12.01	11.46	10.96	11.19	11.41	10.97	11.29	11.93	11.53	12.23
9	13.04	---	11.95	11.43	11.05	11.19	11.56	10.85	11.50	11.94	11.60	12.27
10	13.03	---	11.91	11.41	11.11	11.20	11.38	10.77	11.78	11.99	11.70	12.34
11	13.01	---	11.86	11.38	11.12	11.32	10.97	10.78	11.86	11.97	11.75	12.37
12	12.96	---	11.82	11.35	11.13	11.43	10.70	10.77	11.89	11.95	11.76	12.39
13	12.93	---	11.79	11.33	11.12	11.49	10.52	10.80	11.57	11.95	11.76	12.40
14	12.95	13.31	11.78	11.30	11.09	11.51	10.44	11.06	11.51	11.94	11.75	12.39
15	13.00	13.28	11.80	11.28	11.10	11.49	10.47	11.12	11.48	11.90	11.76	12.38
16	13.10	13.22	11.81	11.26	11.14	11.48	10.68	11.13	11.46	11.92	11.77	12.38
17	13.16	13.16	11.81	11.24	11.17	11.47	10.79	11.12	11.46	---	11.79	12.37
18	13.28	13.09	11.79	11.23	11.17	11.44	10.94	11.11	11.50	11.85	11.79	12.37
19	13.40	13.03	11.78	11.25	11.18	11.51	11.03	11.09	11.63	11.81	11.82	12.37
20	13.39	12.97	11.79	11.26	11.20	11.53	11.09	11.09	11.65	11.79	11.86	12.36
21	13.36	12.91	11.77	11.24	11.22	11.52	11.14	11.15	11.72	11.76	11.87	12.35
22	13.39	12.84	11.74	11.22	11.24	11.51	11.17	11.29	11.85	---	11.86	12.37
23	13.41	12.77	11.79	11.17	11.25	11.50	11.18	11.41	11.92	---	11.87	12.41
24	13.44	12.71	11.77	11.13	11.26	11.48	11.19	11.51	11.85	---	11.92	12.43
25	13.47	12.65	11.74	11.10	11.27	11.46	11.17	11.61	11.63	---	11.94	12.43
26	13.49	12.58	11.67	11.05	11.27	11.44	11.14	11.68	11.65	11.62	11.99	12.42
27	13.51	12.52	11.63	11.02	11.26	11.41	11.10	11.74	11.70	11.74	12.06	12.41
28	13.52	12.46	11.60	10.99	11.25	11.38	11.08	11.81	11.75	11.72	12.18	12.39
29	13.52	12.46	11.58	10.94	11.24	11.37	11.04	11.71	11.77	11.68	12.17	12.38
30	13.51	12.46	11.54	10.88	---	11.34	11.02	11.63	11.80	11.62	12.17	12.40
31	13.50	---	11.52	10.83	---	11.35	---	11.59	---	11.57	12.16	---
TOTAL	409.07	---	367.88	348.99	321.65	352.58	332.78	347.60	347.51	---	---	370.02
MEAN	13.20	---	11.87	11.26	11.09	11.37	11.09	11.21	11.58	---	---	12.33
MAX	13.52	---	12.40	11.49	11.27	11.53	11.56	11.81	11.92	---	---	12.43
MIN	12.88	---	11.52	10.83	10.75	11.16	10.44	10.77	11.12	---	---	12.17

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 167

261150080270001 NORTH NEW RIVER CANAL AT S-11-A, NEAR ANDYTOWN, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.78	13.29	12.14	11.12	10.38	9.83	9.58	9.53	10.15	11.60	11.15	10.57
2	12.77	---	12.10	11.11	10.36	9.83	9.50	9.51	10.14	11.61	11.11	10.54
3	12.75	---	12.05	11.13	10.35	9.87	9.43	9.60	10.13	11.61	11.09	10.46
4	12.72	---	12.02	11.13	10.33	9.87	9.40	9.59	10.10	11.61	11.06	10.43
5	12.72	---	11.98	11.10	10.29	9.85	9.37	9.54	10.08	11.60	11.01	10.41
6	12.84	---	11.94	11.06	10.30	9.84	9.35	9.51	10.05	11.69	---	10.38
7	12.87	---	11.91	11.07	10.29	9.83	9.33	9.45	9.99	11.71	---	10.36
8	12.87	13.13	11.87	11.06	10.27	9.85	9.44	9.40	9.94	11.72	10.86	10.32
9	12.87	---	11.83	11.02	10.23	9.79	9.66	9.36	10.01	11.74	10.85	10.38
10	12.87	---	11.79	10.99	10.23	9.81	9.89	9.27	10.24	11.79	10.81	10.47
11	12.84	---	11.74	10.95	10.23	9.93	9.96	9.16	10.37	11.78	10.79	---
12	12.81	---	11.69	10.94	10.21	9.95	9.95	9.11	10.49	11.75	10.75	---
13	12.79	---	11.66	10.91	10.18	9.91	9.92	9.09	10.69	11.75	10.71	10.49
14	12.82	12.74	11.62	10.88	10.15	9.89	9.90	9.30	10.72	11.75	10.66	10.44
15	12.89	12.68	11.59	10.84	10.12	9.90	9.84	---	10.73	11.74	10.65	10.42
16	12.98	12.61	11.55	10.82	10.10	9.87	9.75	---	10.74	11.76	10.63	10.40
17	13.05	12.56	11.50	10.80	10.07	9.83	9.73	---	10.77	11.74	10.60	10.39
18	13.16	12.52	11.48	10.78	10.04	9.84	9.72	---	10.80	11.72	10.58	10.39
19	13.24	12.48	11.46	10.77	10.01	9.86	9.71	---	10.86	11.69	10.57	10.39
20	13.23	12.43	11.45	10.74	9.98	9.81	9.69	---	10.89	11.66	10.57	10.38
21	13.24	12.39	11.41	10.71	9.97	9.77	9.68	---	11.00	11.62	10.58	10.35
22	13.25	12.36	11.37	10.67	9.96	9.76	9.66	9.53	11.07	11.59	10.57	10.36
23	13.26	12.32	11.35	10.64	9.93	9.70	9.65	9.45	11.14	11.56	10.59	10.36
24	13.27	12.27	11.33	10.61	9.91	9.66	9.64	9.43	11.29	11.53	10.59	10.35
25	13.28	12.24	11.28	10.57	9.89	9.64	9.62	9.46	11.34	11.48	10.60	10.32
26	13.29	12.19	11.26	10.57	9.87	9.65	9.60	9.53	11.36	11.41	10.60	10.27
27	13.29	12.15	11.23	10.54	9.84	9.60	9.56	9.65	11.43	11.31	10.62	10.26
28	13.30	12.12	11.21	10.49	9.83	9.58	9.54	9.77	11.48	11.26	10.61	10.23
29	13.30	12.15	11.18	10.46	9.82	9.60	9.53	9.97	11.52	11.22	10.59	10.23
30	13.30	12.17	11.15	10.46	---	9.61	9.57	10.14	11.57	11.18	10.58	10.21
31	13.29	---	11.14	10.42	---	9.60	---	10.15	---	11.16	10.57	---
TOTAL	403.94	---	359.28	335.36	293.14	303.33	289.17	---	321.09	359.34	---	---
MEAN	13.03	---	11.59	10.82	10.11	9.78	9.64	---	10.70	11.59	---	---
MAX	13.30	---	12.14	11.13	10.38	9.95	9.96	---	11.57	11.79	---	---
MIN	12.72	---	11.14	10.42	9.82	9.58	9.33	---	9.94	11.16	---	---

261023080443001 SITE 62 IN CONSERVATION AREA 3A, NEAR ANDYTOWN, FL

LOCATION.--Lat 26°10'28", long 80°45'05", T.36 S., R.49 E., Broward County, Hydrologic Unit 03090202, 20.5 mi west of intersection of I-75 and US 27 and 1.5 mi north of I-75. No section could be determined from existing map.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data available in files of the U.S. Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 13.53 ft Oct. 21, 1995; minimum, 8.06 ft June 3, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 13.53 ft Oct. 21; minimum, 10.31 ft May 20.

STATION NUMBER 261023080443001												
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.86	13.32	---	11.60	11.07	10.66	10.57	10.35	11.12	12.18	11.59	11.52
2	12.86	13.29	---	11.58	11.05	10.68	10.55	10.38	11.13	12.18	11.55	11.51
3	12.85	13.26	12.30	11.60	11.08	10.70	10.53	10.47	11.14	12.17	11.54	11.50
4	12.84	13.22	12.27	11.57	11.07	10.68	10.52	10.51	11.14	12.15	11.52	11.49
5	12.89	13.19	12.25	11.55	11.04	10.66	10.50	10.49	11.16	12.12	11.50	11.48
6	13.03	13.16	12.22	11.54	11.02	10.65	10.49	10.47	11.16	12.21	11.47	11.47
7	13.07	13.12	12.19	11.56	11.00	10.64	10.51	10.45	11.19	12.21	11.45	11.49
8	13.06	13.10	12.16	11.54	10.99	10.63	10.58	10.43	11.31	12.19	11.42	11.53
9	13.03	13.07	12.13	11.51	10.97	10.62	10.67	10.41	11.34	12.18	11.43	11.52
10	13.03	13.03	12.11	11.50	10.95	10.63	10.67	10.39	11.38	12.17	11.42	11.54
11	13.01	13.00	12.08	11.47	10.93	10.67	10.66	10.37	11.43	12.17	11.40	11.58
12	13.00	12.96	12.05	11.45	10.91	10.69	10.64	10.36	11.50	12.15	11.38	11.58
13	12.99	12.93	12.03	11.44	10.89	10.67	10.63	10.41	11.50	12.13	11.38	11.57
14	13.02	12.90	11.99	11.41	10.88	10.66	10.61	10.41	11.50	12.11	11.41	11.56
15	13.09	12.86	11.97	11.39	10.86	10.64	10.59	10.40	11.51	12.09	11.43	11.55
16	13.19	12.82	11.95	11.38	10.86	10.63	10.57	10.38	11.53	12.05	11.41	11.54
17	13.30	12.78	11.92	11.36	10.85	10.62	10.55	10.36	11.55	12.03	11.39	11.53
18	13.39	12.74	11.89	11.34	10.83	10.62	10.53	10.34	11.56	12.01	11.38	11.51
19	13.48	12.70	11.87	11.32	10.82	10.70	10.51	10.33	11.56	11.98	11.38	11.49
20	13.52	12.67	11.86	11.31	10.80	10.71	10.50	10.32	11.63	11.94	11.35	11.47
21	13.52	12.63	11.84	11.29	10.80	10.69	10.48	10.39	11.73	11.90	11.36	11.45
22	13.52	12.61	11.81	11.27	10.78	10.67	10.46	10.49	11.80	11.87	11.36	11.43
23	13.50	12.57	11.80	11.24	10.76	10.65	10.45	10.48	11.84	11.90	11.34	11.42
24	13.50	12.53	11.77	11.22	10.75	10.64	10.44	10.53	11.88	11.87	11.37	11.40
25	13.48	12.49	11.74	11.20	10.74	10.62	10.42	10.66	11.90	11.83	11.36	11.38
26	13.46	12.46	11.72	11.18	10.72	10.61	10.41	10.88	11.91	11.79	11.38	11.36
27	13.44	12.42	11.71	11.17	10.70	10.59	10.39	10.93	11.96	11.75	11.44	11.33
28	13.42	12.40	11.68	11.15	10.69	10.60	10.38	11.00	12.08	11.70	11.52	11.31
29	13.39	12.40	11.66	11.13	10.67	10.60	10.36	11.01	12.14	11.66	11.52	11.29
30	13.36	12.39	11.64	11.11	---	10.59	10.35	11.07	12.18	11.64	11.51	11.30
31	13.34	---	11.62	11.09	---	10.58	---	11.10	---	11.61	11.51	---
TOTAL	409.44	385.02	---	352.47	315.48	330.00	315.52	326.57	346.76	371.94	354.47	344.10
MEAN	13.21	12.83	---	11.37	10.88	10.65	10.52	10.53	11.56	12.00	11.43	11.47
MAX	13.52	13.32	---	11.60	11.08	10.71	10.67	11.10	12.18	12.21	11.59	11.58
MIN	12.84	12.39	---	11.09	10.67	10.58	10.35	10.32	11.12	11.61	11.34	11.29

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 169

260810080222001 SITE 99 NEAR L-35A IN CONSERVATION AREA 2B, NEAR SUNRISE, FL

LOCATION.--Lat 26°08'21", long 80°22'02", in sec.32, T.49 S., R.40 E., Broward County, Hydrologic Unit 03090202, located in Conservation Area 2B, north of North New River Canal, West of Markham Park.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to present.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data available in files of the U.S. Geological Survey. Prior to July 1991 station operated by the U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.92 ft Dec. 23, 1994; minimum, 4.12 ft May 26, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.01 ft Aug. 28; minimum, 9.21 ft May 20.

STATION NUMBER 260810080222001
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.53	10.48	10.65	10.63	10.25	9.65	---	9.42	9.63	10.64	10.77	---
2	10.50	10.46	10.65	10.62	10.22	9.65	---	9.41	9.63	10.67	10.78	---
3	10.46	10.43	10.67	10.66	10.22	9.66	---	9.42	9.63	10.67	10.82	---
4	10.42	10.40	10.68	10.68	10.22	9.63	---	9.42	9.63	10.68	10.83	---
5	10.44	10.37	10.69	10.67	10.18	9.61	9.51	9.41	9.63	10.70	10.81	---
6	10.54	10.34	10.70	10.65	10.15	9.61	9.50	9.39	9.62	10.74	10.82	---
7	10.52	10.32	10.70	10.67	10.13	9.58	9.52	9.37	9.61	10.75	10.80	---
8	10.53	10.31	10.70	10.67	10.11	9.55	9.56	9.35	9.61	10.76	10.79	---
9	10.52	10.29	10.71	10.64	10.09	9.53	9.63	9.33	9.63	10.76	10.79	10.89
10	10.54	10.27	10.72	10.62	10.07	---	9.68	9.31	9.76	10.78	10.79	10.95
11	10.55	10.25	10.71	10.61	10.05	9.62	9.68	9.30	9.83	10.79	10.81	10.95
12	10.51	10.25	10.69	10.60	10.03	9.64	9.67	9.29	9.91	10.78	10.80	10.95
13	10.49	10.23	10.70	10.59	10.01	9.62	9.67	9.27	9.96	10.78	10.78	10.92
14	10.52	10.22	10.71	10.56	9.98	9.61	9.66	9.31	10.00	10.79	10.77	10.88
15	10.56	10.21	10.71	10.54	9.96	9.61	9.65	9.30	10.01	10.80	10.76	10.84
16	10.59	10.22	10.71	10.52	9.95	9.60	9.64	9.29	10.02	10.87	10.75	10.81
17	10.64	10.24	10.70	10.50	9.93	9.57	9.62	9.28	10.04	10.88	10.75	10.78
18	10.75	10.26	10.69	10.49	9.90	9.55	9.61	9.26	10.05	10.88	10.74	10.75
19	10.85	10.29	10.70	10.47	9.88	9.59	9.60	9.23	10.06	10.88	10.78	10.73
20	10.86	10.32	10.71	10.45	9.86	9.59	9.59	9.22	10.12	10.88	10.80	10.69
21	10.83	10.35	10.70	10.43	9.85	9.59	9.54	9.30	10.21	10.87	10.82	10.67
22	10.79	10.38	10.69	10.41	9.83	9.57	9.51	9.39	10.30	10.87	10.81	10.69
23	10.75	10.39	10.71	10.39	9.81	9.57	9.50	9.42	10.36	10.86	10.84	10.69
24	10.72	10.42	10.71	10.37	9.78	9.55	9.49	9.44	10.43	10.86	10.89	10.67
25	10.69	10.45	10.69	10.36	9.76	9.54	9.47	9.44	10.44	10.85	10.91	10.64
26	10.66	10.46	10.68	10.34	9.74	---	9.46	9.50	10.46	10.83	10.97	10.59
27	10.64	10.47	10.66	10.33	9.72	9.53	9.44	9.59	10.52	10.81	10.99	10.57
28	10.61	10.49	10.66	10.31	9.70	9.52	9.42	9.58	10.57	10.80	11.00	10.54
29	10.57	10.57	10.65	10.29	9.68	---	9.40	9.59	10.57	10.79	11.00	10.52
30	10.54	10.65	10.64	10.29	---	---	9.40	9.63	10.62	10.79	11.00	10.51
31	10.50	---	10.64	10.27	---	---	---	9.64	---	10.78	11.00	---
TOTAL	328.62	310.79	331.33	325.63	289.06	---	---	291.10	300.86	334.59	335.97	---
MEAN	10.60	10.36	10.69	10.50	9.97	---	---	9.39	10.03	10.79	10.84	---
MAX	10.86	10.65	10.72	10.68	10.25	---	---	9.64	10.62	10.88	11.00	---
MIN	10.42	10.21	10.64	10.27	9.68	---	---	9.22	9.61	10.64	10.74	---

PAGE 170

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02286100 SOUTH NEW RIVER CANAL AT S-13, NEAR DAVIE, FL

LOCATION.--Lat 26°03'57", long 80°12'32", in SW1/4 sec.25, T.50 S., R.41 E., Broward County, Hydrologic Unit 03090202, 18 ft from north bank, 150 ft upstream from pump station S-13, 300 ft west of US 441, and 1.5 mi east of Davie.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1957 to current year.

REVISED RECORDS.--WDR FL-87-2A: 1962-86 (maximum daily reverse flow). WDR FL-95-2A: 1994.

GAGE.--Water-stage recorders upstream and downstream and gate-opening recorder. Prior to September 30, 1984, deflection vane and prior to September 30, 1985, electromagnetic velocity meter at same site. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Flow is affected by tide and is occasionally reversed. Negative figures indicate reverse flow. Flow is regulated by pumpage and operation of gate at S-13. Flow is affected by regulation of control-structure 13A, 5 mi upstream, and by upstream withdrawals from the canal during the growing season and pumpage into the canal during high water. Discharge is computed from relation between head and gate-opening at S-13. The discharge published represents gate discharge computed by U.S. Geological Survey combined with pump discharge computed by South Florida Water Management District unless otherwise noted.

COOPERATION.--Gate-opening and pump records provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 31 complete water years of discharge (1958-86, 1988, 1990).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 4.16 ft Oct. 8, 1991; minimum, -0.79 ft July 14, 1961.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 2.52 ft June 9; minimum, - 0.01 ft Oct. 26.

**DISCHARGE IS UNAVAILABLE AT TIME OF PUBLICATION
SEE FOLLOWING PAGE FOR TABLE OF STAGE RECORD**

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 171

02286100 SOUTH NEW RIVER CANAL AT S-13, NEAR DAVIE, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.44	1.26	1.64	1.69	1.67	1.72	1.72	1.68	---	1.30	1.59	1.61
2	1.15	1.28	1.66	1.73	1.74	1.75	1.72	1.68	---	1.33	1.65	1.60
3	1.56	1.28	1.62	1.71	1.68	1.78	1.72	1.74	---	1.26	1.70	1.60
4	1.56	1.29	1.67	1.67	1.70	1.78	1.72	1.69	---	1.27	1.69	1.66
5	1.41	1.31	1.60	1.71	1.70	1.78	1.72	1.70	---	1.23	1.72	1.64
6	1.14	1.34	1.66	1.69	1.72	1.79	1.72	1.75	---	1.29	1.68	1.63
7	.20	1.35	1.65	1.69	1.66	1.79	1.76	1.80	---	1.29	1.68	1.61
8	.23	1.32	1.67	1.72	1.68	1.73	1.68	1.80	1.30	1.24	1.72	1.60
9	.14	1.35	1.65	1.68	1.72	1.75	1.66	1.81	1.50	1.06	1.65	1.62
10	.59	1.34	1.66	1.63	1.70	1.75	1.68	1.81	1.57	.79	1.70	1.29
11	1.52	1.34	1.64	1.70	1.69	1.68	1.63	---	.38	1.29	1.71	.19
12	1.55	1.33	1.69	1.70	1.67	1.66	1.70	---	.15	1.28	1.73	.16
13	1.67	1.29	1.66	1.69	1.64	1.70	1.63	---	.22	1.27	1.70	.48
14	1.94	1.32	1.64	1.73	1.62	1.72	1.63	---	.14	1.27	1.68	1.55
15	1.64	1.27	1.63	1.64	1.65	1.66	1.62	---	.45	1.28	1.64	1.57
16	.40	1.26	1.62	1.73	1.66	1.73	1.65	---	1.24	1.29	1.73	1.56
17	.30	1.44	1.68	1.70	1.66	1.73	1.68	---	1.23	1.29	1.78	1.47
18	.29	1.73	1.63	1.73	1.67	1.73	1.68	---	1.20	1.27	1.70	1.51
19	.20	1.69	1.72	1.73	1.69	1.70	1.68	---	1.23	1.26	1.73	1.52
20	.23	1.69	1.72	1.74	1.64	1.73	1.67	---	1.21	1.26	1.68	1.53
21	.39	1.67	1.70	1.74	1.65	1.79	1.67	---	1.18	1.27	1.66	1.54
22	1.17	1.69	1.66	1.73	1.72	1.75	1.67	---	1.00	1.29	1.70	1.55
23	1.79	1.68	1.72	1.73	1.72	1.81	1.67	---	.86	1.25	1.63	1.47
24	1.81	1.72	1.67	1.72	1.61	1.82	1.67	---	.90	1.28	1.63	1.59
25	1.00	1.74	1.53	1.70	1.65	1.68	1.69	---	1.05	1.27	1.65	1.59
26	.83	1.72	1.44	1.74	1.65	1.70	1.69	---	.89	1.26	1.57	1.60
27	.75	1.72	1.38	1.67	1.65	1.74	1.68	---	.98	1.37	1.35	1.61
28	1.26	1.71	1.34	1.71	1.69	1.76	1.69	---	1.04	1.29	1.22	1.62
29	1.21	1.63	1.55	1.74	1.71	1.76	1.70	---	1.05	1.26	1.19	1.62
30	1.24	1.64	1.72	1.62	---	1.76	1.72	---	1.18	1.35	1.33	1.57
31	1.24	---	1.66	1.65	---	1.79	---	---	---	1.46	1.65	---
TOTAL	31.85	44.40	50.48	52.76	48.61	54.02	50.52	---	---	39.17	50.44	43.16
MEAN	1.03	1.48	1.63	1.70	1.68	1.74	1.68	---	---	1.26	1.63	1.44
MAX	1.94	1.74	1.72	1.74	1.74	1.82	1.76	---	---	1.46	1.78	1.66
MIN	.14	1.26	1.34	1.62	1.61	1.66	1.62	---	---	.79	1.19	.16

02286101 SOUTH NEW RIVER CANAL BELOW S-13, NEAR DAVIE, FL

LOCATION.--Lat 26°03'57", long 80°12'32", in SW1/4 sec.25, T.50 S., R.41 E., Broward County, Hydrologic Unit 03090202, at pump station 13, 150 ft west of US 441, and 1.5 mi east of Davie.

PERIOD OF RECORD.--January 1955 to current year (gage heights only). Records of gage heights prior to October 1962 are available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Gage records water levels below pump station 13. Stage is basically tidal, but at times is affected by gate operation and pumping at S-13. The stage record published is the maximum and minimum tide event for each calendar day.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 3.98 ft Sept. 8, 1965; minimum, -1.97 ft Apr. 28, 1963.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 3.06 ft Oct. 22; minimum, -1.16 ft Feb. 27.

STATION NUMBER 02286101												
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAILY TIDAL HIGH (DAILY) VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.50	1.91	1.53	1.77	1.58	.83	1.35	1.40	---	2.15	2.06	1.73
2	2.58	1.74	1.50	1.82	1.62	1.04	1.48	1.53	---	2.10	2.13	1.74
3	2.53	1.80	1.63	1.85	1.69	.95	1.54	1.58	---	2.12	1.97	1.71
4	2.42	1.78	1.67	1.61	1.45	1.16	1.62	1.43	---	2.03	1.67	1.83
5	1.98	1.95	1.60	1.48	1.51	1.22	1.61	1.35	---	1.89	1.43	2.00
6	2.54	1.98	1.49	1.63	1.73	1.19	1.49	1.31	---	1.69	1.28	1.68
7	2.42	2.13	1.61	1.82	1.86	1.08	1.44	1.40	1.70	1.57	1.36	1.73
8	2.45	2.02	1.73	1.48	1.73	1.03	1.51	1.49	1.61	1.38	1.32	1.73
9	2.39	1.91	1.73	1.41	1.51	.68	1.56	1.42	2.26	1.38	1.43	1.85
10	2.30	1.96	1.73	1.55	1.40	.85	1.54	1.31	1.99	1.56	1.46	2.09
11	2.11	1.91	1.63	1.62	1.31	1.28	1.57	1.18	1.74	1.49	1.31	2.27
12	2.16	1.80	1.84	1.66	1.22	1.57	1.59	1.23	1.72	1.44	1.23	2.36
13	2.24	1.93	1.76	1.54	1.03	1.70	1.65	1.43	1.76	1.35	1.33	2.25
14	2.37	1.97	1.62	1.60	1.07	1.49	1.73	1.36	1.57	1.58	1.16	2.05
15	2.54	1.69	1.40	1.60	1.25	1.45	1.71	1.21	1.35	1.48	1.20	1.89
16	2.51	1.61	1.55	1.64	1.39	1.57	1.59	1.15	1.30	1.60	1.10	1.86
17	2.60	1.75	1.77	1.82	1.28	1.60	1.43	1.25	1.26	1.61	1.20	1.80
18	2.67	1.91	1.90	1.96	1.44	1.72	1.39	1.24	1.26	1.49	1.33	1.57
19	2.73	1.97	2.00	1.95	1.54	1.69	1.41	1.03	1.17	1.50	1.39	1.52
20	2.85	2.14	1.92	1.86	1.53	1.14	1.43	1.09	1.28	1.37	1.50	1.39
21	2.92	2.21	2.04	1.89	1.18	1.05	1.36	1.72	1.36	1.38	1.58	1.49
22	3.06	2.29	2.17	1.80	1.14	1.01	1.24	1.98	1.32	1.28	1.79	1.74
23	2.98	2.37	2.31	1.91	.97	.92	1.34	1.67	1.29	1.35	1.72	1.69
24	2.85	2.26	2.06	2.01	1.04	.93	1.13	1.57	1.29	1.22	1.79	1.88
25	3.01	2.16	2.00	1.85	.74	.79	1.10	---	1.31	1.20	1.77	1.95
26	2.87	2.00	2.01	1.95	.69	.77	1.11	---	1.33	1.32	1.90	2.00
27	2.74	2.00	1.81	1.82	.61	.33	1.04	---	1.65	1.64	1.92	2.00
28	2.30	1.79	1.70	1.42	.26	.46	1.05	---	1.80	1.80	1.87	2.00
29	2.03	1.68	1.72	1.63	.45	.39	1.11	---	1.89	1.81	1.84	1.90
30	2.03	1.49	1.83	1.55	---	.78	1.39	---	2.16	2.00	1.85	1.83
31	1.96	---	1.74	1.54	---	1.13	---	---	---	2.06	1.85	---
TOTAL	77.64	58.11	55.00	53.04	36.22	33.80	42.51	---	---	49.84	48.74	55.53
MEAN	2.50	1.94	1.77	1.71	1.25	1.09	1.42	---	---	1.61	1.57	1.85
MAX	3.06	2.37	2.31	2.01	1.86	1.72	1.73	---	---	2.15	2.13	2.36
MIN	1.96	1.49	1.40	1.41	.26	.33	1.04	---	---	1.20	1.10	1.39

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 173

02286101 SOUTH NEW RIVER CANAL BELOW S-13, NEAR DAVIE, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY TIDAL LOW (DAILY) VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.02	.40	.05	.09	-.01	-.97	-.35	-.43	---	.32	.10	-.01
2	1.15	.33	.01	.20	-.12	-.61	-.43	-.45	---	.19	.10	.02
3	1.10	.30	.14	.29	.08	-.75	-.37	-.56	---	.16	-.02	-.02
4	.99	.24	.09	.14	-.27	-.69	-.31	-.67	---	.15	-.13	.11
5	.56	.29	.01	-.21	-.38	-.45	-.54	-.71	---	.24	-.21	.58
6	.83	.30	-.15	-.29	-.15	-.64	-.54	-.71	---	.00	-.33	.29
7	1.01	.51	.00	.15	.23	-.75	-.55	-.52	---	.00	-.18	.27
8	.99	.45	.01	-.12	.06	-1.07	-.34	-.52	.03	-.20	-.13	.37
9	.86	.33	.26	-.12	-.25	-.99	-.36	-.47	.02	.11	-.31	.34
10	.64	.33	.18	-.16	-.40	-.72	-.01	-.60	.78	-.02	-.22	1.02
11	.66	.36	.12	.10	-.50	-.22	-.16	-.55	.41	.01	-.38	.82
12	.79	.32	.39	.02	-.73	.00	-.17	-.63	.43	-.14	-.35	.95
13	1.02	.61	.14	.02	-.88	-.01	.04	-.46	.43	-.34	-.43	.59
14	1.22	.80	.35	.09	-.77	-.23	.10	-.57	-.01	.01	-.51	.54
15	1.48	.30	-.12	-.14	-.84	-.27	.05	-.67	-.39	-.16	-.47	.40
16	1.65	.25	.27	-.11	-.71	-.44	-.37	-.78	-.26	.01	-.49	.32
17	1.66	.35	.28	.01	-.99	-.25	-.51	-.72	-.29	-.10	-.43	.26
18	1.92	.40	.34	.04	-.80	-.23	-.59	-.86	-.53	.01	-.19	-.02
19	1.83	.42	.14	-.02	-.57	-.16	-.47	-.83	-.38	.01	-.27	-.27
20	1.70	.41	.15	-.17	-.60	-.67	-.47	-.50	-.22	.01	-.01	-.33
21	1.66	.36	.06	-.12	-.86	-.81	-.46	-.26	.23	-.02	-.02	-.31
22	1.33	.37	.09	-.16	-.74	-.82	-.36	.51	.30	-.18	.10	-.28
23	1.54	.35	.38	.06	-.82	-.74	-.27	.34	.23	-.17	.22	.15
24	1.47	.28	.13	.30	-1.00	-.77	-.13	---	.18	-.37	.25	.09
25	1.30	.26	.05	.37	-.91	-.74	-.38	---	-.01	-.50	.08	.04
26	.98	.08	.16	.33	-1.00	-1.07	-.43	---	-.02	-.56	.16	-.02
27	.81	.17	.21	-.02	-1.16	-.86	-.38	---	.05	-.33	.23	.00
28	.65	.20	.16	.09	-1.15	-1.07	-.43	---	.29	-.29	.00	.00
29	.57	.16	.20	.19	-1.02	-1.09	-.52	---	.24	-.40	-.10	-.11
30	.50	.08	.36	-.02	---	-.86	-.44	---	.61	.02	-.01	-.02
31	.49	---	.26	-.10	---	-.65	---	---	---	.14	-.14	---
TOTAL	34.38	10.01	4.72	0.73	-17.26	-19.60	-10.15	---	---	-2.39	-4.09	5.77
MEAN	1.11	.33	.15	.02	-.60	-.63	-.34	---	---	-.08	-.13	.19
MAX	1.92	.80	.39	.37	.23	.00	.10	---	---	.32	.25	1.02
MIN	.49	.08	-.15	-.29	-1.16	-1.09	-.59	---	---	-.56	-.51	-.33

260037080303401 SITE 76 IN CONSERVATION AREA 3B NEAR ANDYTOWN, FL

LOCATION.--Lat 26°00'27", long 80°28'58", in NW1/4 sec.18, T.39 S., R.51 E., Broward County, Hydrologic Unit 03090202, in Conservation Area 3B approximately .7 mi southeast of Levee 67C, 3 mi southwest of intersection of Levee 67C and Levee 67A.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data is available in files of the U.S. Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 9.57 ft Nov 16, 1994; minimum, 6.66 ft June 3, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 9.30 ft Oct. 18; minimum, 7.33 ft May 18-20.

STATION NUMBER 260037080303401
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.72	9.10	8.39	8.20	7.89	7.75	7.60	7.47	7.52	7.96	8.01	8.15
2	8.75	9.08	8.37	8.19	7.89	7.77	7.58	7.48	7.51	7.97	8.02	8.13
3	8.74	9.06	8.35	8.22	7.90	7.78	7.57	7.49	7.50	7.98	8.05	8.12
4	8.73	9.04	8.36	8.24	7.90	7.77	7.55	7.49	7.49	7.98	8.06	8.10
5	8.77	9.02	8.33	8.22	7.89	7.75	7.55	7.48	7.48	7.99	8.05	8.08
6	8.95	9.00	8.32	8.21	7.89	7.75	7.53	7.46	7.47	7.99	8.07	8.07
7	8.96	8.97	8.31	8.20	7.89	7.73	7.53	7.45	7.46	7.97	8.05	8.07
8	8.98	8.94	8.29	8.19	7.89	7.73	7.57	7.44	7.45	7.97	8.04	8.06
9	8.98	8.90	8.30	8.17	7.88	7.72	7.63	7.43	7.48	7.99	8.04	8.09
10	8.98	8.86	8.31	8.15	7.88	7.73	7.64	7.42	7.59	8.02	8.03	8.19
11	8.97	8.82	8.31	8.14	7.87	7.81	7.62	7.41	7.57	8.00	8.03	8.23
12	8.96	8.79	8.30	8.13	7.87	7.81	7.61	7.41	7.57	7.99	8.02	8.27
13	8.95	8.76	8.31	8.12	7.86	7.80	7.61	7.40	7.59	8.00	8.01	8.28
14	8.99	8.73	8.31	8.10	7.85	7.79	7.60	7.41	7.59	8.01	8.00	8.25
15	9.06	8.69	8.31	8.09	7.85	7.78	7.59	7.39	7.59	8.01	8.00	8.23
16	9.15	8.65	8.30	8.08	7.84	7.77	7.58	7.37	7.60	8.07	7.99	8.21
17	9.19	8.62	8.29	8.06	7.84	7.76	7.57	7.36	7.60	8.08	7.99	8.19
18	9.29	8.59	8.29	8.05	7.83	7.75	7.56	7.34	7.60	8.07	7.99	8.19
19	9.28	8.56	8.30	8.04	7.83	7.76	7.55	7.33	7.61	8.06	8.02	8.18
20	9.26	8.53	8.31	8.03	7.82	7.75	7.54	7.37	7.65	8.05	8.03	8.17
21	9.24	8.50	8.30	8.01	7.82	7.73	7.52	7.47	7.72	8.05	8.09	8.15
22	9.22	8.47	8.29	8.00	7.81	7.73	7.51	7.52	7.75	8.04	8.10	8.19
23	9.20	8.44	8.30	7.98	7.81	7.71	7.49	7.48	7.80	8.05	8.12	8.19
24	9.18	8.42	8.29	7.97	7.80	7.70	7.48	7.46	7.88	8.05	8.17	8.16
25	9.16	8.39	8.27	7.96	7.79	7.69	7.47	7.45	7.85	8.04	8.15	8.13
26	9.17	8.36	8.26	7.95	7.79	7.68	7.47	7.44	7.84	8.03	8.15	8.10
27	9.18	8.34	8.25	7.93	7.78	7.66	7.47	7.47	7.84	8.01	8.17	8.08
28	9.16	8.31	8.24	7.92	7.77	7.65	7.47	7.54	7.86	8.00	8.16	8.04
29	9.14	8.34	8.23	7.91	7.76	7.64	7.47	7.55	7.89	7.99	8.15	8.02
30	9.12	8.40	8.21	7.89	---	7.62	7.46	7.55	7.95	8.01	8.15	8.01
31	9.11	---	8.21	7.89	---	7.62	---	7.54	---	8.01	8.17	---
TOTAL	280.54	260.68	257.21	250.24	227.49	239.69	226.39	230.87	229.30	248.44	250.08	244.33
MEAN	9.05	8.69	8.30	8.07	7.84	7.73	7.55	7.45	7.64	8.01	8.07	8.14
MAX	9.29	9.10	8.39	8.24	7.90	7.81	7.64	7.55	7.95	8.08	8.17	8.28
MIN	8.72	8.31	8.21	7.89	7.76	7.62	7.46	7.33	7.45	7.96	7.99	8.01

255828080401301 SITE 64 IN CONSERVATION AREA 3A NEAR COOPERTOWN, FL

LOCATION.--Lat 25°58'31", long 80°40'10", in T.37 S., R.51 E., Broward County, Hydrologic Unit 03090202, approximately 17 mi northwest of Coopertown. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data is available in files of the U.S. Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 12.78 ft Dec. 23, 1994; minimum, 8.23 ft May 31, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 12.67 ft Oct. 18-21; minimum, 9.22 ft May 19, 20.

STATION NUMBER 255828080401301												
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.25	12.55	11.91	11.13	10.51	9.98	9.68	9.38	9.54	10.44	---	10.66
2	12.25	12.54	11.89	11.12	10.48	10.00	9.65	9.37	9.54	10.48	---	10.64
3	12.24	12.53	11.86	11.14	10.49	10.00	9.62	9.39	9.53	10.51	---	10.63
4	12.23	12.51	11.84	11.12	10.45	9.98	9.60	9.45	9.53	10.53	---	10.60
5	12.28	12.48	11.81	11.10	10.40	9.97	9.58	9.44	9.53	10.56	---	10.58
6	---	12.47	11.78	11.07	10.38	9.95	9.56	9.41	9.52	10.61	---	10.55
7	---	12.46	11.76	11.06	10.36	9.94	9.54	9.39	9.52	10.65	---	10.54
8	---	12.45	11.73	11.03	10.34	9.93	9.59	9.37	9.54	10.67	---	10.54
9	---	12.40	11.71	11.00	10.33	9.90	9.70	9.35	9.54	10.70	---	10.53
10	---	12.39	11.68	10.99	10.32	9.90	9.74	9.33	9.56	10.75	---	10.56
11	---	12.38	11.63	10.96	10.30	9.95	9.73	9.31	9.58	10.76	---	10.58
12	---	12.35	11.61	10.94	10.28	9.94	9.71	9.29	9.61	10.77	---	10.57
13	12.40	12.33	11.58	10.92	10.24	9.94	9.67	9.28	9.64	10.81	---	10.56
14	12.44	12.31	11.56	10.89	10.22	9.93	9.66	9.28	9.66	10.84	10.62	10.54
15	12.51	12.27	11.53	10.88	10.21	9.93	9.65	9.29	9.66	10.84	10.60	10.53
16	12.55	12.24	11.51	10.86	10.20	9.92	9.63	9.28	9.68	10.87	10.59	10.52
17	12.58	12.21	11.48	10.84	10.19	9.91	9.61	9.26	9.68	10.89	10.58	10.51
18	12.66	12.18	11.45	10.82	10.17	9.89	9.59	9.25	9.69	10.90	10.57	10.50
19	12.67	12.16	11.43	10.80	10.16	9.90	9.58	9.23	9.71	10.90	10.57	10.51
20	12.67	12.13	11.41	10.78	10.14	9.88	9.56	9.23	9.76	10.90	10.56	10.52
21	12.66	12.11	11.37	10.76	10.13	9.86	9.54	9.30	9.89	10.90	10.58	10.50
22	12.64	12.07	11.34	10.74	10.12	9.83	9.52	9.38	9.94	10.90	10.57	10.47
23	12.63	12.04	11.32	10.72	10.10	9.82	9.50	9.38	10.02	10.89	10.58	10.46
24	12.61	12.02	11.29	10.70	10.08	9.80	9.49	9.37	10.21	10.89	10.60	10.44
25	12.60	11.99	11.26	10.67	10.06	9.78	9.47	9.36	10.21	10.88	10.61	10.42
26	12.59	11.96	11.23	10.65	10.05	9.76	9.45	9.36	10.22	10.87	10.64	10.40
27	12.60	11.94	11.21	10.63	10.03	9.75	9.43	9.36	10.24	10.85	10.68	10.38
28	12.59	11.92	11.19	10.60	10.01	9.74	9.42	9.44	10.28	10.83	10.71	10.36
29	12.57	11.93	11.17	10.58	9.99	9.72	---	9.47	10.33	10.81	10.71	10.33
30	12.55	11.94	11.15	10.55	---	9.70	---	9.50	10.42	10.79	10.70	10.32
31	12.55	---	11.14	10.53	---	9.70	---	9.52	---	10.78	10.68	---
TOTAL	---	367.26	356.83	336.58	296.74	306.20	---	290.02	293.78	333.77	---	315.25
MEAN	---	12.24	11.51	10.86	10.23	9.88	---	9.36	9.79	10.77	---	10.51
MAX	---	12.55	11.91	11.14	10.51	10.00	---	9.52	10.42	10.90	---	10.66
MIN	---	11.92	11.14	10.53	9.99	9.70	---	9.23	9.52	10.44	---	10.32

255447080350200 L-67A AT CONSERVATION AREA 3A NEAR COOPERTOWN, FL

LOCATION.--Lat 25°54'47", long 80°35'02", Dade County, Hydrologic Unit 03090202, along east side of L-67A Levee, between L-67A and L-67C levee, 12.3 mi northeast of access gate at Tamiami Trail (U.S. 41). No section could be determined from existing maps. The auxilliary stage recorder is located approximately 7 yards north of principal gage on the west bank of L-67A

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1994 to September 1996 (Discontinued).

GAGE.--Satellite data collection platform with water-stage shaft encoders. Datum of gage is National Geodetic Vertical Datum of 1929. (U.S. Army Corps of Engineers bench mark).

REMARKS.--Gage records are primarily used to determine stage.

COOPERATION.--U.S.Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum upstream gage height, 12.81 ft Dec. 21, 1994; maximum downstream gage height, 10.49 ft Sept. 20, 1994; minimum upstream gage height, 8.99 ft May 20, 1996; minimum downstream gage height, 8.13 ft May 20, 1996.

EXTREME STAGES FOR CURRENT YEAR.--Maximum upstream gage height, 12.55 ft Oct. 18; maximum downstream gage height, 10.29 ft Oct. 18; minimum upstream gage height, 8.99 ft May 20; minimum downstream gage height, 8.13 ft May 20.

STATION NUMBER 255447080350200
UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.13	12.39	---	11.00	10.30	9.78	9.49	9.19	---	10.38	10.58	10.43
2	12.13	12.39	---	10.98	10.26	9.80	9.46	9.21	---	10.41	10.59	10.40
3	12.10	12.38	11.71	10.97	10.27	9.82	9.43	9.30	---	10.42	10.60	10.38
4	12.06	12.38	11.69	10.95	10.28	9.81	9.39	9.30	---	10.44	10.60	10.36
5	12.11	12.36	11.66	10.92	10.24	9.77	9.37	9.28	---	10.46	10.58	10.33
6	12.34	12.34	11.63	10.89	10.21	9.76	9.34	9.26	---	10.50	10.58	---
7	12.33	12.32	11.60	10.88	10.18	9.75	9.33	9.24	---	10.53	10.55	---
8	12.33	12.32	11.58	10.88	10.16	9.77	9.38	9.22	---	10.55	10.52	---
9	12.32	12.30	11.54	10.84	10.15	9.76	9.48	9.19	---	10.58	10.52	---
10	12.32	12.26	11.53	10.81	10.13	9.76	9.40	9.16	---	10.62	10.51	---
11	12.29	12.24	11.49	10.78	10.11	9.84	9.40	9.13	---	10.62	10.48	---
12	12.26	12.24	11.44	10.76	10.10	9.85	9.54	9.10	---	10.64	10.46	---
13	12.23	12.21	11.41	10.75	10.09	9.83	9.53	9.09	---	10.67	10.43	---
14	12.27	12.21	11.38	10.72	10.06	9.81	9.51	9.15	---	10.69	10.40	---
15	12.33	12.16	11.36	10.69	10.04	9.79	9.50	9.13	---	10.70	10.39	---
16	12.40	12.11	11.32	10.67	10.04	9.77	9.49	9.12	---	10.75	10.40	---
17	12.43	12.08	11.30	10.65	10.03	9.75	9.47	9.08	---	10.76	10.37	---
18	12.52	12.05	11.27	10.62	10.00	9.73	9.45	9.05	9.74	10.76	10.35	---
19	12.52	12.02	11.25	10.61	9.98	9.75	9.43	9.02	9.76	10.75	10.35	---
20	12.53	11.99	11.23	10.60	9.96	9.72	9.40	9.05	9.82	10.75	10.36	---
21	12.52	11.97	11.20	10.57	9.95	9.70	9.37	9.16	9.92	10.75	10.38	---
22	12.49	11.94	11.17	10.55	9.93	9.69	9.35	9.29	9.97	10.74	10.37	---
23	12.47	11.91	11.15	10.52	9.91	9.67	9.33	9.30	10.03	10.73	10.37	---
24	12.46	11.88	11.13	10.49	9.90	9.64	9.32	---	10.12	10.72	10.39	---
25	12.46	11.86	11.11	10.48	9.87	9.61	9.29	---	10.14	10.71	10.39	---
26	12.46	11.82	11.10	10.45	9.86	9.61	9.26	---	10.15	10.69	10.44	---
27	12.46	11.79	11.08	10.43	9.84	9.57	9.24	---	10.17	10.67	10.49	---
28	12.45	11.76	11.07	10.40	9.81	9.55	9.21	---	10.21	10.65	10.50	---
29	12.44	11.78	11.05	10.38	9.81	9.53	9.18	---	10.26	10.63	10.49	---
30	12.41	11.80	11.04	10.35	---	9.51	9.18	---	10.34	10.61	10.47	---
31	12.39	---	11.02	10.33	---	9.50	---	---	---	10.59	10.47	---
TOTAL	382.96	363.26	---	330.92	291.47	301.20	281.52	---	---	329.47	324.38	---
MEAN	12.35	12.11	---	10.67	10.05	9.72	9.38	---	---	10.63	10.46	---
MAX	12.53	12.39	---	11.00	10.30	9.85	9.54	---	---	10.76	10.60	---
MIN	12.06	11.76	---	10.33	9.81	9.50	9.18	---	---	10.38	10.35	---

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 177

255447080350200 L-67A AT CONSERVATION AREA 3A NEAR COOPERTOWN, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.82	10.07	---	9.33	8.90	8.60	8.44	8.27	8.38	8.79	8.87	9.05
2	9.82	10.06	---	9.30	8.89	8.60	8.42	8.29	8.37	8.80	8.88	9.02
3	9.81	10.05	9.65	9.28	8.89	8.60	8.40	8.36	8.36	8.80	8.89	9.01
4	9.79	10.04	9.63	9.28	8.87	8.59	8.39	8.37	8.35	8.80	8.89	8.99
5	9.83	10.02	9.62	9.26	8.85	8.58	8.38	8.32	8.35	8.80	8.89	8.97
6	10.00	10.01	9.60	9.24	8.83	8.57	8.37	8.30	8.34	8.81	8.90	8.98
7	10.00	10.00	9.58	9.24	8.83	8.57	8.36	8.28	8.34	8.81	8.89	9.02
8	10.00	9.99	9.57	9.22	8.82	8.57	8.39	8.26	8.33	8.81	8.88	8.97
9	10.01	9.96	9.55	9.20	8.81	8.56	8.45	8.25	8.34	8.83	8.88	8.97
10	10.03	9.95	9.54	9.19	8.80	8.57	8.39	8.24	8.42	8.90	8.88	8.97
11	10.02	9.93	9.51	9.18	8.79	8.64	8.41	8.22	8.43	8.89	8.86	8.98
12	10.00	9.92	9.50	9.17	8.78	8.63	8.46	8.21	8.44	8.88	8.86	8.97
13	9.99	9.91	9.49	9.15	8.75	8.63	8.44	8.20	8.46	8.89	8.85	8.97
14	10.02	9.90	9.47	9.13	8.75	8.61	8.42	8.20	8.46	8.90	8.83	8.95
15	10.10	9.88	9.46	9.12	8.74	8.60	8.42	8.19	8.44	8.90	8.82	8.94
16	10.16	9.86	9.44	9.11	8.73	8.59	8.40	8.18	8.44	8.95	8.82	8.93
17	10.19	9.85	9.42	9.10	8.72	8.59	8.39	8.17	8.44	8.97	8.82	8.93
18	10.26	9.83	9.41	9.09	8.71	8.57	8.37	8.15	8.45	8.96	8.82	8.91
19	10.26	9.82	9.41	9.08	8.71	8.57	8.36	8.14	8.47	8.95	8.83	8.93
20	10.24	9.80	9.41	9.06	8.70	8.56	8.35	8.15	8.51	8.95	8.85	8.97
21	10.22	9.79	9.39	9.05	8.69	8.54	8.34	8.21	8.58	8.95	8.90	8.94
22	10.19	9.77	9.38	9.03	8.69	8.53	8.33	8.32	8.60	8.94	8.90	8.94
23	10.16	9.75	9.37	9.02	8.67	8.52	8.32	8.30	8.65	8.94	8.91	8.92
24	10.14	9.73	9.36	9.01	8.67	8.51	8.30	8.29	8.73	8.93	8.92	8.90
25	10.13	9.71	9.35	8.99	8.65	8.50	8.30	8.28	8.72	8.92	8.94	8.88
26	10.12	9.69	9.35	8.98	8.64	8.49	8.28	8.27	8.71	8.91	8.97	8.86
27	10.14	9.68	9.34	8.97	8.63	8.48	8.28	8.32	8.72	8.90	9.00	8.84
28	10.13	9.66	9.34	8.95	8.62	8.47	8.27	8.41	8.73	8.89	9.02	8.82
29	10.11	9.70	9.33	8.94	8.61	8.46	8.26	8.39	8.76	8.88	9.03	8.81
30	10.09	9.71	9.33	8.93	---	8.45	8.26	8.39	8.81	8.87	9.03	8.80
31	10.08	---	9.33	8.91	---	8.44	---	8.38	---	8.87	9.08	---
TOTAL	311.86	296.04	---	282.51	253.74	265.19	250.95	256.31	255.13	275.39	275.91	268.14
MEAN	10.06	9.87	---	9.11	8.75	8.55	8.36	8.27	8.50	8.88	8.90	8.94
MAX	10.26	10.07	---	9.33	8.90	8.64	8.46	8.41	8.81	8.97	9.08	9.05
MIN	9.79	9.66	---	8.91	8.61	8.44	8.26	8.14	8.33	8.79	8.82	8.80

255420080340500 L-67C AT CONSERVATION AREA 3B NEAR COOPERTOWN, FL

LOCATION.--Lat 25°54'20", long 80°34'05", Dade County, Hydrologic Unit 03090202, along east side of L-67C Levee, 12.3 mi northeast of access gate at Tamiami Trail (U.S. 41). No section could be determined from existing maps.

The auxiliary stage recorder is located approximately 8 yards north of principal gage on the west bank of L-67C

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 1994 to September 1996 (Discontinued).

GAGE.--Satellite data collection platform with water-stage shaft encoders. Datum of gage is National Geodetic Vertical Datum of 1929. (U.S. Army Corps of Engineers bench mark).

REMARKS.--Gage records are primarily used to determine stage.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum upstream gage height, 10.72 ft Nov. 16, 1994; maximum downstream gage height, 10.51 ft Nov. 16, 1994; minimum upstream gage height, 8.45 ft. May 20, 1996; minimum downstream gage height, 8.05 ft May 28, 29, 1994.

EXTREME STAGES FOR CURRENT YEAR.--Maximum upstream gage height, 10.65 ft. Oct. 18; maximum downstream gage height, 10.45 ft Oct. 18; minimum upstream gage height, 8.45 ft May 20; minimum downstream gage height, 8.33 May 20.

STATION NUMBER 255420080340500
UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.19	10.42	10.05	9.62	9.26	8.96	8.79	8.61	8.73	9.17	9.23	9.43
2	10.19	10.41	10.03	9.61	9.25	8.96	8.77	8.63	8.72	9.17	9.24	9.40
3	10.17	10.40	10.01	9.64	9.25	8.95	8.75	8.68	8.71	9.17	9.25	9.39
4	10.15	10.39	10.00	9.64	9.23	8.94	8.74	8.70	8.71	9.17	9.26	9.37
5	10.19	10.37	9.99	9.62	9.21	8.93	8.73	8.67	8.71	9.17	9.25	9.35
6	10.36	10.37	9.97	9.61	9.20	8.93	8.72	8.65	8.70	9.17	9.26	9.36
7	10.36	10.36	9.95	9.60	9.19	8.93	8.71	8.63	8.69	9.17	9.26	9.39
8	10.36	10.35	9.94	9.58	9.18	8.93	8.75	8.61	8.69	9.17	9.25	9.34
9	10.37	10.32	9.92	9.57	9.17	8.91	8.84	8.60	8.70	9.20	9.25	9.34
10	10.38	10.31	9.90	9.56	9.17	8.93	8.85	8.58	8.80	9.26	9.25	9.35
11	10.36	10.29	9.88	9.54	9.15	9.00	8.83	8.56	8.80	9.25	9.23	9.36
12	10.33	10.28	9.87	9.53	9.14	8.99	8.82	8.55	8.82	9.24	9.23	9.35
13	10.31	10.27	9.85	9.51	9.12	8.98	8.81	8.53	8.83	9.24	9.21	9.35
14	10.37	10.26	9.84	9.50	9.11	8.98	8.80	8.53	8.82	9.25	9.21	9.33
15	10.45	10.24	9.83	9.49	9.10	8.97	8.79	8.52	8.81	9.25	9.20	9.32
16	10.51	10.22	9.81	9.48	9.10	8.95	8.77	8.50	8.81	9.31	9.19	9.31
17	10.53	10.20	9.80	9.46	9.09	8.94	8.75	8.49	8.81	9.33	9.20	9.30
18	10.61	10.18	9.78	9.45	9.08	8.93	8.74	8.47	8.81	9.32	9.19	9.29
19	10.61	10.17	9.78	9.44	9.07	8.93	8.73	8.46	8.85	9.32	9.21	9.31
20	10.60	10.16	9.79	9.43	9.06	8.91	8.71	8.46	8.89	9.31	9.23	9.34
21	10.57	10.14	9.76	9.41	9.05	8.89	8.70	8.55	8.96	9.31	9.28	9.33
22	10.54	10.12	9.74	9.40	9.05	8.89	8.69	8.68	8.98	9.31	9.28	9.32
23	10.52	10.10	9.74	9.38	9.03	8.87	8.67	8.65	9.02	9.30	9.29	9.30
24	10.50	10.09	9.71	9.37	9.02	8.86	8.66	8.65	9.10	9.29	9.29	9.28
25	10.49	10.07	9.69	9.36	9.01	8.85	8.65	8.64	9.09	9.29	9.31	9.26
26	10.48	10.05	9.68	9.34	9.00	8.84	8.64	8.63	9.09	9.28	9.35	9.24
27	10.50	10.05	9.67	9.33	8.99	8.83	8.63	8.67	9.10	9.26	9.38	9.22
28	10.49	10.03	9.66	9.31	8.98	8.82	8.62	8.75	9.11	9.25	9.40	9.20
29	10.46	10.06	9.65	9.30	8.97	8.81	8.61	8.74	9.13	9.24	9.41	9.19
30	10.44	10.07	9.63	9.29	---	8.80	8.61	8.74	9.18	9.24	9.41	9.19
31	10.43	---	9.62	9.28	---	8.80	---	8.73	---	9.24	9.46	---
TOTAL	322.82	306.75	304.54	293.65	264.23	276.21	261.88	266.86	266.17	286.65	287.46	279.51
MEAN	10.41	10.22	9.82	9.47	9.11	8.91	8.73	8.61	8.87	9.25	9.27	9.32
MAX	10.61	10.42	10.05	9.64	9.26	9.00	8.85	8.75	9.18	9.33	9.46	9.43
MIN	10.15	10.03	9.62	9.28	8.97	8.80	8.61	8.46	8.69	9.17	9.19	9.19

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 179

255420080340500 L-67C AT CONSERVATION AREA 3B NEAR COOPERTOWN, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.99	10.26	9.86	9.43	9.08	8.80	8.64	8.47	8.60	---	9.09	9.28
2	9.98	10.24	9.84	9.42	9.07	8.80	8.62	8.49	8.59	---	9.10	9.25
3	9.97	10.23	9.82	9.45	9.07	8.80	8.60	8.54	8.58	---	9.11	9.24
4	9.95	10.22	9.80	9.45	9.05	8.78	8.59	8.56	8.58	---	9.11	9.22
5	9.99	10.21	9.79	9.43	9.03	8.78	8.58	8.53	8.58	---	9.11	9.21
6	10.16	10.20	9.77	9.42	9.03	8.77	8.57	8.51	8.57	---	9.12	9.23
7	10.15	10.19	9.75	9.41	9.02	8.76	8.56	8.49	8.56	---	9.11	9.26
8	10.16	10.18	9.74	9.40	9.01	8.77	8.60	8.47	8.56	---	9.11	9.21
9	10.17	10.15	9.72	9.38	9.01	8.76	8.69	8.46	8.56	---	9.11	9.21
10	10.18	10.14	9.71	9.38	9.00	8.77	8.69	8.44	8.66	---	9.10	9.22
11	10.17	10.12	9.68	9.38	8.99	8.84	8.68	8.43	8.66	---	9.09	9.23
12	10.14	10.11	9.67	9.37	8.97	8.84	8.67	8.42	8.67	---	9.09	9.21
13	10.13	10.10	9.66	9.36	8.96	8.82	8.65	8.41	8.68	9.11	9.08	9.21
14	10.19	10.09	9.64	9.36	8.95	8.82	8.64	8.40	8.68	9.12	9.07	9.20
15	10.26	10.06	9.63	9.35	8.94	8.81	8.63	8.39	8.67	9.11	9.06	9.18
16	10.32	10.04	9.61	9.34	8.93	8.80	8.61	8.37	8.66	9.17	9.05	9.18
17	10.35	10.03	9.60	9.34	8.92	8.78	8.60	8.36	8.67	9.18	9.06	9.18
18	10.42	10.01	9.58	9.30	8.91	8.77	8.59	8.35	8.67	9.17	9.05	9.16
19	10.42	9.99	9.58	9.26	8.90	8.76	8.57	8.34	8.70	9.17	9.07	9.18
20	10.41	9.98	9.59	9.25	8.89	8.75	8.56	8.35	8.74	9.17	9.10	9.21
21	10.39	9.96	9.57	9.24	8.89	8.74	8.55	8.42	8.81	9.17	9.14	9.17
22	10.36	9.94	9.55	9.22	8.88	8.73	8.53	8.54	8.82	9.16	9.13	9.15
23	10.34	9.92	9.54	9.21	8.87	8.72	8.52	8.52	---	9.15	9.15	9.14
24	10.33	9.91	9.52	9.20	8.86	8.70	8.51	8.52	---	9.15	9.16	9.12
25	10.31	9.89	9.50	9.18	8.84	8.70	8.50	8.50	---	9.14	9.17	9.10
26	10.31	9.87	9.48	9.16	8.84	8.68	8.49	8.50	---	9.13	9.21	9.08
27	10.33	9.86	9.48	9.14	8.83	8.67	8.48	8.54	---	9.12	9.24	9.06
28	10.31	9.84	9.47	9.13	8.82	8.66	8.47	8.62	---	9.11	9.25	9.05
29	10.29	9.86	9.45	9.12	8.81	8.66	8.46	8.61	---	9.10	9.26	9.03
30	10.27	9.88	9.44	9.10	---	8.65	8.46	8.61	---	9.09	9.26	9.03
31	10.26	---	9.43	9.10	---	8.64	---	8.60	---	9.09	9.30	---
TOTAL	317.01	301.48	298.47	288.28	259.37	271.33	257.31	262.76	---	---	283.06	275.20
MEAN	10.23	10.05	9.63	9.30	8.94	8.75	8.58	8.48	---	---	9.13	9.17
MAX	10.42	10.26	9.86	9.45	9.08	8.84	8.69	8.62	---	---	9.30	9.28
MIN	9.95	9.84	9.43	9.10	8.81	8.64	8.46	8.34	---	---	9.05	9.03

255300080370001 SITE 69 IN CONSERVATION AREA 3B NEAR COOPERTOWN, FL

LOCATION.--Lat 25°53'00", long 80°37'00", in T.52 S., R.35 E., Dade County, Hydrologic Unit 03090202. Two gages are located on the east and west sides of the L-67A levee, 11.3 mi northeast of access gate at the Tamiami Trail. No section could be determine from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD FOR EAST GAGE.--July 1991 to current year.

PERIOD OF RECORD FOR WEST GAGE.--October 1994 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder with tipping bucket rain gage located in the east gage shelter. Shaft encoder located in the west gage shelter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data is available in files of the U.S. Geological Survey.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR EAST GAGE FOR PERIOD OF RECORD.--Maximum gage height, 10.30 ft Nov. 16, 1994; minimum, 7.39 ft June 3, 1992.

EXTREME STAGES FOR EAST GAGE FOR CURRENT YEAR.--Maximum gage height, 10.25 ft Oct. 18; minimum, 8.20 ft May 19, 20.

EXTREME STAGES FOR WEST GAGE FOR PERIOD OF RECORD.--Maximum gage height, 12.70 ft Dec. 21, 1994; minimum, 8.91 ft May 19, 20, 1996.

EXTREME STAGES FOR WEST GAGE FOR CURRENT YEAR.--Maximum gage height, 12.40 ft Oct. 18; minimum, 8.91 ft May 19, 20.

EAST GAGE

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.79	---	---	9.21	8.84	8.55	8.40	8.30	8.37	8.77	8.86	9.02
2	9.79	---	9.63	9.21	8.82	8.55	8.39	8.31	8.37	8.77	8.86	8.98
3	9.78	---	9.61	9.22	8.82	8.55	8.37	8.35	8.37	8.77	8.87	8.97
4	9.77	9.99	9.60	9.23	8.81	8.54	8.36	8.36	8.37	8.77	8.88	8.96
5	9.80	9.98	9.59	9.21	8.79	8.53	8.35	8.34	8.36	8.77	8.87	8.94
6	9.94	9.97	9.57	9.20	8.78	8.53	8.35	8.32	8.36	8.78	8.89	8.95
7	9.95	9.96	9.55	9.19	8.77	8.52	8.34	8.30	8.36	8.78	8.88	8.98
8	9.95	9.95	9.54	9.18	8.76	8.52	8.37	8.29	8.35	8.78	8.87	8.93
9	9.97	9.93	9.53	9.16	8.75	8.52	8.43	8.28	8.35	8.80	8.87	8.92
10	9.99	9.92	9.51	9.15	8.74	8.53	8.44	8.27	8.41	8.87	8.87	8.93
11	9.97	9.91	9.49	9.14	8.73	8.58	8.43	8.26	8.42	8.86	8.86	8.95
12	9.95	9.90	9.48	9.12	8.72	8.58	8.43	8.25	8.42	8.85	8.85	8.93
13	9.93	9.88	9.46	9.11	8.71	8.57	8.44	8.24	8.44	8.86	---	8.92
14	9.97	9.87	9.44	9.10	8.70	8.57	8.43	8.23	8.44	8.87	---	8.91
15	10.05	9.85	9.42	9.09	8.69	8.56	8.42	8.24	8.44	8.87	---	8.89
16	10.11	9.83	9.41	9.07	8.69	8.55	8.41	8.23	8.44	8.92	---	8.89
17	10.15	9.81	9.39	9.06	8.68	8.53	8.40	8.22	8.44	8.94	8.78	8.89
18	10.22	9.79	9.38	9.05	8.67	8.52	8.38	8.21	8.44	8.93	8.78	8.87
19	10.23	9.78	9.38	9.04	8.66	8.52	8.38	8.21	8.46	8.93	8.79	8.89
20	10.21	9.76	9.38	9.02	8.65	8.51	8.37	8.21	8.50	8.93	8.82	8.92
21	10.18	9.75	9.36	9.01	8.64	8.50	8.36	8.25	8.57	8.93	8.86	8.91
22	10.15	9.73	9.34	8.99	8.63	8.49	8.35	8.32	8.58	8.93	8.86	8.90
23	10.13	9.72	9.33	8.98	8.62	8.48	8.34	8.31	8.63	8.92	8.87	8.90
24	10.12	9.70	9.32	8.97	8.61	8.47	8.33	8.31	8.71	8.92	8.87	8.89
25	10.10	9.69	9.30	8.95	8.60	8.46	8.32	8.30	8.70	8.91	8.90	8.87
26	10.09	9.67	9.29	8.93	8.59	8.45	8.32	8.30	8.69	8.90	8.94	8.85
27	10.10	9.65	9.27	8.93	8.58	8.44	8.31	8.33	8.69	8.89	8.96	8.83
28	10.09	9.64	9.26	8.91	8.57	8.43	8.30	8.39	8.70	8.88	8.98	8.82
29	10.07	9.66	9.24	---	8.56	8.42	8.29	8.38	8.73	8.87	9.01	8.80
30	---	9.67	9.23	---	---	8.42	8.29	8.39	8.79	8.86	9.01	8.80
31	---	---	9.22	---	---	8.41	---	8.38	---	8.86	9.06	---
TOTAL	---	---	---	---	252.18	263.80	251.10	257.08	254.90	274.69	---	267.21
MEAN	---	---	---	---	8.70	8.51	8.37	8.29	8.50	8.86	---	8.91
MAX	---	---	---	---	8.84	8.58	8.44	8.39	8.79	8.94	---	9.02
MIN	---	---	---	---	8.56	8.41	8.29	8.21	8.35	8.77	---	8.80

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 181

255300080370001 SITE 69 IN CONSERVATION AREA 3B NEAR COOPERTOWN, FL
WEST GAGEGAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.89	---	---	10.78	e10.19	9.72	9.43	9.08	9.34	---	10.24	10.27
2	11.90	---	11.57	10.76	e10.17	9.72	9.40	9.09	9.33	---	10.25	10.23
3	11.88	---	11.54	10.79	e10.16	9.73	9.37	9.14	9.33	---	10.28	10.22
4	11.84	12.18	11.52	10.80	e10.14	9.71	9.34	9.15	9.33	---	10.28	10.20
5	11.89	12.17	11.49	10.77	e10.12	9.70	9.32	9.13	9.35	---	10.26	10.18
6	12.14	12.15	11.47	10.74	e10.11	9.69	9.30	9.11	9.33	---	10.26	10.18
7	12.12	12.13	11.44	10.75	e10.09	9.69	9.28	9.09	9.31	---	10.24	10.21
8	12.13	12.13	11.41	10.75	e10.08	9.70	9.31	9.07	9.31	---	10.22	10.15
9	12.13	12.11	11.39	10.70	e10.06	9.68	9.41	9.06	9.31	10.17	10.22	10.14
10	12.12	12.07	11.37	10.66	e10.04	9.70	9.44	9.03	9.40	10.20	10.20	10.14
11	12.09	12.05	11.33	10.65	e10.03	9.78	9.44	9.01	9.40	10.22	10.18	10.16
12	12.07	12.05	11.28	10.63	e10.01	9.77	9.42	8.99	9.42	10.23	10.17	10.16
13	12.04	12.03	11.26	10.61	e9.99	9.74	9.41	8.98	9.41	10.26	---	10.15
14	12.08	12.04	11.23	10.58	e9.98	9.72	9.39	8.98	9.40	10.29	---	10.14
15	12.14	11.99	11.20	10.55	e9.96	9.71	9.38	8.99	9.39	10.30	---	10.12
16	12.21	11.94	11.18	10.53	e9.95	9.70	9.37	8.99	9.40	10.35	---	10.11
17	12.24	11.90	11.15	10.50	e9.93	9.68	9.35	8.97	9.41	10.37	10.11	10.09
18	12.34	11.88	11.11	10.48	e9.91	9.67	9.33	8.95	9.43	10.37	10.10	10.07
19	12.34	11.85	11.10	10.47	e9.90	9.66	9.31	8.93	9.49	10.37	10.11	10.10
20	12.34	11.82	11.10	10.45	e9.88	9.65	9.29	8.92	9.57	10.38	10.13	10.11
21	12.33	11.80	11.07	10.43	e9.87	9.62	9.26	9.01	9.65	10.39	10.17	10.09
22	12.30	11.78	11.03	10.41	e9.85	9.60	9.24	9.15	9.68	10.37	10.16	10.07
23	12.28	11.74	11.03	10.37	e9.83	9.58	9.22	9.16	9.73	10.37	10.17	10.05
24	12.27	11.72	11.01	10.35	e9.82	9.56	9.20	9.17	9.85	10.36	10.16	10.03
25	12.27	11.70	10.97	10.33	e9.80	9.54	9.18	9.16	9.85	10.35	10.19	10.01
26	12.26	11.66	10.93	10.31	e9.78	9.52	9.16	9.18	9.84	10.33	10.22	9.99
27	12.26	11.62	10.90	10.29	e9.76	9.50	9.15	9.23	9.86	10.31	10.24	9.96
28	12.26	11.59	10.88	10.27	9.75	9.49	9.12	9.31	9.88	10.29	10.26	9.93
29	12.25	11.61	10.86	---	9.73	9.47	9.09	9.33	---	10.27	10.28	9.91
30	---	11.63	10.82	---	---	9.45	9.09	9.35	---	10.26	10.27	9.90
31	---	---	10.79	---	---	9.44	---	9.34	---	10.24	10.32	---
TOTAL	---	---	---	---	288.89	298.89	279.00	282.05	---	---	---	303.07
MEAN	---	---	---	---	9.96	9.64	9.30	9.10	---	---	---	10.10
MAX	---	---	---	---	10.19	9.78	9.44	9.35	---	---	---	10.27
MIN	---	---	---	---	9.73	9.44	9.09	8.92	---	---	---	9.90

e Estimated

254848080432001 SITE 65 IN CONSERVATION AREA 3A NEAR COOPERTOWN, FL

LOCATION.--Lat 25°48'52", long 80°43'12", SE1/4 T.53 S., R.36 E., Dade County, Hydrologic Unit 03090202, in the Everglades Water Conservation Area 3A, 4 mi north of Tamiami Trail (US 41) and 5 mi west of L-67A. No section could be determined from existing maps. (Corrected).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--1991 to present.

GAGE.--Satellite data collection platform with water-stage shaft encoder with tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data is available in files of the U.S. Geological Survey.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 12.06 ft Dec. 21, 22, 1994; minimum, 7.92 ft May 31, June 1-3, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.88 ft. Oct. 19; minimum, 8.95 ft May 12-13, and 19-21.

STATION NUMBER 254848080432001
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.35	11.74	---	10.55	10.00	9.64	9.37	9.06	9.22	9.64	9.79	10.06
2	11.36	11.73	e11.23	10.52	9.99	9.63	9.35	9.05	9.21	9.63	9.84	10.02
3	11.37	11.73	11.20	10.54	9.98	9.63	9.32	9.04	9.21	9.62	9.89	10.00
4	11.34	11.72	11.18	10.54	9.97	9.63	9.31	9.05	9.20	9.62	9.87	9.96
5	11.40	11.71	11.17	10.52	9.95	9.63	9.28	9.05	9.22	9.62	9.85	9.93
6	11.63	11.70	11.14	10.50	9.95	9.63	9.26	9.04	9.21	9.63	9.85	9.90
7	11.62	11.68	11.13	10.49	9.93	9.62	9.24	9.04	9.20	9.64	9.83	9.89
8	11.63	11.66	11.11	10.48	9.93	9.63	9.25	9.03	9.19	9.64	9.82	9.89
9	11.65	11.65	11.08	10.46	9.92	9.61	9.33	9.01	9.19	9.65	9.82	9.92
10	11.67	11.62	11.06	10.44	9.91	9.62	9.38	8.99	9.24	9.66	9.82	9.96
11	11.64	11.60	11.03	10.41	9.90	9.67	9.38	8.97	9.24	9.67	e9.82	e9.98
12	11.62	11.60	11.01	10.39	9.89	9.67	9.35	8.96	9.24	9.68	9.81	e9.97
13	11.60	11.59	10.98	10.37	9.87	9.66	9.32	8.95	9.24	9.69	9.80	9.98
14	11.62	11.58	10.95	10.36	9.87	9.64	9.31	8.96	9.24	9.72	---	9.96
15	11.66	11.56	10.93	10.34	9.85	9.64	9.31	8.97	9.23	9.74	---	9.93
16	11.72	11.53	10.90	10.32	9.84	9.63	9.29	8.97	9.24	9.79	---	9.91
17	11.77	11.50	10.88	10.30	9.82	9.61	9.27	8.97	9.24	9.81	---	9.90
18	11.82	11.49	10.85	10.28	9.81	9.59	9.25	8.97	9.27	9.82	---	9.87
19	11.86	11.47	10.83	10.26	9.80	9.55	9.24	8.95	9.42	9.85	---	9.87
20	11.87	11.46	10.82	10.24	9.79	9.54	9.22	8.95	9.52	9.85	---	9.91
21	11.87	11.44	10.79	10.23	9.78	9.52	9.21	8.99	9.54	9.85	---	9.93
22	11.86	11.42	10.77	10.21	9.76	9.51	9.19	9.09	9.53	9.86	9.84	9.90
23	11.84	11.39	10.75	10.19	9.75	9.49	9.16	9.10	9.53	9.86	9.86	9.87
24	11.84	11.36	10.73	10.16	9.74	9.48	9.15	9.11	9.61	9.86	9.92	9.85
25	11.83	11.34	10.70	10.14	9.72	9.47	9.12	9.12	9.62	9.85	9.94	9.83
26	11.82	11.32	10.68	10.12	9.71	9.46	9.12	9.11	9.62	9.84	10.09	9.81
27	11.80	11.30	10.66	10.10	9.70	9.44	9.14	9.14	9.62	9.82	10.21	9.79
28	11.79	11.27	10.63	10.08	9.67	9.43	9.11	9.20	9.62	9.81	10.16	9.77
29	11.77	11.26	10.61	10.06	9.65	9.42	9.09	9.22	9.62	9.79	10.13	9.74
30	11.76	11.26	10.59	10.03	---	9.41	9.07	9.22	9.65	9.79	10.09	9.73
31	11.74	---	10.57	10.01	---	9.38	---	9.22	---	9.79	10.12	---
TOTAL	362.12	345.68	---	319.64	285.45	296.48	277.39	280.50	280.93	302.09	---	297.03
MEAN	11.68	11.52	---	10.31	9.84	9.56	9.25	9.05	9.36	9.74	---	9.90
MAX	11.87	11.74	---	10.55	10.00	9.67	9.38	9.22	9.65	9.86	---	10.06
MIN	11.34	11.26	---	10.01	9.65	9.38	9.07	8.95	9.19	9.62	---	9.73

e Estimated

255215080291000 SITE 34 NEAR L-30 IN CONSERVATION AREA 3B, NEAR MIAMI, FL

LOCATION.--Lat 25°52'15", long 80°29'10", in SE1/4 sec.36, T.52 S., R.38 E., Dade County, Hydrologic Unit 03090202, 550 ft west of Levee 30, 7.5 mi north of US 41 (Tamiami Trail) and 19 mi west northwest of Miami, FL. (Corrected).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 8, 1993 to current year. Station previously operated as 3-29 by U.S. Army Corps of Engineers at a location 150 ft west of current station.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data is available in files of the U.S. Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 9.49 ft Nov. 16, 1994; minimum, 5.97 ft May 20, 1996.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 9.31 ft Oct. 19-21; minimum, 5.97 ft May 20.

STATION NUMBER 255215080291000
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.74	9.15	8.61	8.18	7.79	7.42	7.18	6.68	7.20	7.61	7.73	8.09
2	8.74	9.12	8.60	8.16	7.77	7.43	7.17	6.66	7.20	7.67	7.71	8.07
3	8.72	9.11	8.58	8.20	7.77	7.44	7.15	6.67	7.17	7.71	7.77	8.10
4	8.71	9.11	8.56	8.21	7.75	7.43	7.13	---	7.16	7.71	7.82	8.08
5	8.72	9.09	8.55	8.19	7.73	7.41	7.13	---	7.15	7.71	7.79	8.05
6	8.91	9.07	8.53	8.18	7.71	7.41	7.10	---	7.12	7.69	7.79	8.03
7	8.94	9.06	8.51	8.18	7.69	7.39	7.07	6.68	7.09	7.70	7.78	8.03
8	8.94	9.03	8.49	8.17	7.68	7.39	7.10	6.67	7.07	7.70	7.76	8.02
9	8.94	9.01	8.48	8.16	7.66	7.37	7.21	6.65	7.05	7.69	7.75	8.04
10	8.96	8.99	8.47	8.13	7.65	7.39	7.25	6.63	7.17	7.71	7.76	8.05
11	8.93	8.96	8.45	8.12	7.63	7.46	7.23	6.60	7.21	7.71	7.83	---
12	8.91	8.95	8.43	8.10	7.62	7.47	7.22	6.56	7.28	7.72	7.85	---
13	8.91	8.94	8.42	8.08	7.60	7.46	7.21	6.52	7.30	7.74	7.81	8.06
14	8.99	8.92	8.40	8.07	7.58	7.45	7.20	6.49	7.27	7.76	7.79	8.05
15	9.13	8.89	8.39	8.05	7.57	7.45	7.18	6.45	7.25	7.75	7.77	8.05
16	9.21	8.87	8.37	8.04	7.56	7.43	7.17	6.39	7.24	7.83	7.75	8.03
17	9.23	8.84	8.35	8.02	7.54	7.41	7.14	6.32	7.23	7.85	7.75	8.03
18	9.27	8.82	8.33	8.00	7.53	7.41	7.13	6.23	7.23	7.84	7.74	8.03
19	9.30	8.80	8.33	8.00	7.51	7.40	7.10	6.13	7.24	7.83	7.77	8.05
20	9.31	8.78	8.34	7.98	7.49	7.38	7.07	6.04	7.29	7.82	7.81	8.11
21	9.30	8.76	8.31	7.97	7.49	7.37	7.04	6.22	7.37	7.80	7.90	8.09
22	9.27	8.73	8.30	7.97	7.49	7.34	7.01	6.69	7.39	7.79	7.90	8.08
23	9.27	8.71	8.31	7.94	7.49	7.33	6.97	6.78	7.40	7.78	7.94	8.06
24	9.26	8.69	8.28	7.93	7.48	7.32	6.94	6.81	7.50	7.75	7.94	8.05
25	9.24	8.67	8.27	7.90	7.47	7.30	6.90	6.82	7.52	7.74	8.00	8.03
26	9.23	8.64	8.24	7.89	7.46	7.29	6.86	6.91	7.53	7.73	8.10	8.01
27	9.24	8.63	8.23	7.88	7.45	7.25	6.82	7.01	7.55	7.71	8.11	7.99
28	9.23	8.61	8.22	7.85	7.45	7.23	6.78	7.07	7.55	7.70	8.11	7.97
29	9.20	8.60	8.20	7.84	7.43	7.21	6.74	7.12	7.56	7.68	8.07	7.94
30	9.17	8.62	8.19	7.82	---	7.19	6.70	7.17	7.60	7.67	8.06	7.95
31	9.15	---	8.18	7.81	---	7.19	---	7.18	---	7.70	8.11	---
TOTAL	281.07	266.17	259.92	249.02	220.04	228.42	211.90	---	218.89	239.80	243.77	---
MEAN	9.07	8.87	8.38	8.03	7.59	7.37	7.06	---	7.30	7.74	7.86	---
MAX	9.31	9.15	8.61	8.21	7.79	7.47	7.25	---	7.60	7.85	8.11	---
MIN	8.71	8.60	8.18	7.81	7.43	7.19	6.70	---	7.05	7.61	7.71	---

255250080335001 SITE 71 IN CONSERVATION AREA 3B, NEAR COOPERTOWN, FL

LOCATION.--Lat 25°53'04", long 80°33'25", in T.52 S., R.35 E., Dade County, Hydrologic Unit 03090202, in Conservation Area 3B, 2.6 mi east of Levee 67-C and 8.3 mi southeast of intersection with Levee 30. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data available in files of the U.S. Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 9.56 ft Nov. 16, 1994; minimum, 6.18 ft June 3, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 9.40 ft Oct. 18; minimum, 7.39 ft May 18-20.

STATION NUMBER 255250080335001
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.88	9.23	8.77	8.38	8.05	7.77	7.63	7.47	7.63	7.96	7.98	8.27
2	8.87	9.22	8.76	8.37	8.03	7.78	7.62	7.47	7.62	7.97	7.98	8.25
3	8.85	9.20	8.74	8.40	8.03	7.79	7.60	7.53	7.61	7.98	7.99	8.24
4	8.84	9.20	8.73	8.42	8.02	7.77	7.59	7.58	7.61	7.97	8.02	8.24
5	8.88	9.18	8.71	8.40	8.00	7.76	7.58	7.56	7.59	7.96	8.02	8.22
6	9.04	9.17	8.69	8.38	7.99	7.75	7.57	7.54	7.58	7.97	8.03	8.23
7	9.05	9.16	8.67	8.38	7.98	7.75	7.57	7.52	7.57	7.96	8.02	8.27
8	9.05	9.14	8.66	8.36	7.97	7.76	7.60	7.50	7.55	7.95	8.02	8.23
9	9.06	9.12	8.64	8.35	7.97	7.74	7.69	7.48	7.55	7.97	8.02	8.22
10	9.06	9.09	8.63	8.33	7.95	7.75	7.70	7.47	7.69	8.04	---	8.23
11	9.05	9.07	8.61	8.32	7.95	7.83	7.69	7.46	7.68	8.02	---	8.24
12	9.03	9.06	8.60	8.31	7.93	7.82	7.67	7.44	7.68	8.00	---	8.24
13	9.02	9.04	8.59	8.29	7.92	7.81	7.66	7.43	7.68	8.00	---	8.23
14	9.10	9.03	8.57	8.28	7.91	7.80	7.65	7.42	7.67	8.01	---	8.22
15	9.21	9.01	8.56	8.27	7.90	7.79	7.63	7.42	7.66	8.01	---	8.21
16	9.27	8.98	8.55	8.26	7.89	7.78	7.62	7.42	7.65	8.07	---	8.21
17	9.30	8.96	8.53	8.25	7.88	7.77	7.60	7.41	7.65	8.08	---	8.22
18	9.37	---	8.51	8.23	7.87	7.76	7.59	7.40	7.65	8.07	---	8.20
19	9.38	---	8.52	8.22	7.86	7.75	7.57	7.39	7.68	8.06	---	8.22
20	9.38	---	8.52	8.21	7.85	7.73	7.56	7.39	7.71	8.06	---	8.27
21	9.37	---	8.51	8.19	7.85	7.72	7.55	7.45	7.76	8.05	8.12	8.25
22	9.34	---	8.49	8.18	7.84	7.71	7.54	7.57	7.78	8.04	8.12	8.24
23	9.33	---	8.49	8.16	7.83	7.71	7.53	7.56	7.81	8.03	8.16	8.23
24	9.32	---	8.47	8.15	7.82	7.69	7.52	7.55	7.91	8.03	8.16	8.22
25	9.31	---	8.45	8.14	7.81	7.69	7.51	7.55	7.90	8.02	8.17	8.20
26	9.31	---	8.44	8.13	7.81	7.68	7.50	7.55	7.88	8.01	8.22	8.18
27	9.32	---	8.43	8.11	7.80	7.67	7.49	7.60	7.88	8.00	8.23	8.16
28	9.29	8.76	8.41	8.10	7.79	7.66	7.48	7.66	7.88	7.99	8.25	8.14
29	9.28	8.76	8.40	8.09	7.78	7.65	7.47	7.67	7.91	7.98	8.25	8.13
30	9.26	8.77	8.39	8.08	---	7.64	7.47	7.66	7.98	7.97	8.24	8.13
31	9.24	---	8.39	8.07	---	7.64	---	7.64	---	7.97	8.28	---
TOTAL	284.06	---	265.43	255.81	229.28	239.92	227.45	232.76	231.40	248.20	---	246.54
MEAN	9.16	---	8.56	8.25	7.91	7.74	7.58	7.51	7.71	8.01	---	8.22
MAX	9.38	---	8.77	8.42	8.05	7.83	7.70	7.67	7.98	8.08	---	8.27
MIN	8.84	---	8.39	8.07	7.78	7.64	7.47	7.39	7.55	7.95	---	8.13

02286200 SNAKE CREEK CANAL AT NW 67TH AVENUE, NEAR HIALEAH, FL

LOCATION.--Lat 25°57'50", long 80°18'40", in SW1/4 sec.36, T.51 S., R.40 E., Broward County, Hydrologic Unit 03090202, 300 ft downstream of NW 67th Avenue bridge on A-frame walkway, 6.0 mi north of Hialeah, Dade County, 10.9 mi upstream from salinity-control structure 29, and 11 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1959 to February 1962 (gage heights only), March 1962 to current year.

REVISED RECORDS.--WDR FL-74-2A: 1969.

GAGE.--Water-stage and electromagnetic velocity meter recorders. Datum of gage is National Geodetic Vertical Datum of 1929 (State Department of Transportation bench mark). Prior to Oct. 1, 1975, at datum 0.28 ft lower. Nov. 1, 1959 to Mar. 15, 1962, water-stage recorder 10 ft downstream at datum 0.28 ft lower.

REMARKS.--Records poor. Flow affected by regulation at salinity-control structure 29, pump structure on the NW 67 Avenue Canal and, at times by tide, and is occasionally reversed. Records of gage heights prior to March 1962 are available in files of the U.S. Geological Survey.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 25 complete years of discharge (1963-86, 1993).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 4.73 ft Nov. 16, 1994; minimum, 0.58 ft June 22, 1960.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 4.13 ft Sept. 11; minimum, 1.34 ft Nov. 4.

STATION NUMBER 02286200
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.17	1.87	2.39	2.37	2.00	2.17	2.27	2.06	2.75	2.64	2.28	2.50
2	2.18	1.75	2.35	2.25	2.19	2.20	2.25	2.27	2.63	2.67	2.32	2.46
3	2.18	1.70	2.24	2.35	2.26	2.26	2.22	2.39	2.58	2.48	2.35	2.61
4	2.15	1.61	2.23	2.35	2.28	2.26	2.20	2.37	2.52	2.26	2.41	2.40
5	2.05	1.68	2.27	2.15	2.27	2.23	2.18	2.08	2.45	2.35	2.38	2.37
6	2.39	1.77	2.36	2.06	2.28	2.23	2.18	2.12	2.26	2.47	2.42	2.37
7	2.28	1.82	2.26	2.26	2.29	2.23	2.18	2.23	2.18	2.32	2.40	2.39
8	2.44	1.80	2.30	2.09	2.28	2.23	2.32	2.24	2.46	2.23	2.34	2.37
9	2.31	1.77	2.34	1.98	2.29	2.21	2.53	2.23	2.47	2.26	2.40	2.63
10	2.33	1.77	2.29	1.92	2.30	2.23	2.51	2.21	3.08	2.00	2.45	3.57
11	2.17	1.75	2.40	2.07	2.30	2.32	2.40	2.24	2.91	2.00	2.50	3.66
12	2.11	1.73	2.31	2.24	2.29	2.19	2.29	2.26	2.94	2.29	2.43	3.22
13	2.22	1.74	2.39	2.29	2.27	2.26	2.34	2.26	2.97	2.41	2.30	2.66
14	2.31	1.77	2.44	2.32	2.26	2.40	2.25	2.33	2.73	2.34	2.36	2.39
15	2.76	1.72	2.21	2.35	2.26	2.24	2.37	2.31	2.39	2.39	2.41	2.15
16	2.79	1.67	2.35	2.37	2.25	2.33	2.22	2.28	2.36	2.46	2.41	---
17	3.04	1.66	2.41	2.38	1.90	2.38	2.26	2.25	2.38	2.33	2.40	2.85
18	3.38	1.67	2.43	2.39	2.02	2.35	2.34	2.19	2.23	2.49	2.40	2.72
19	3.19	1.70	2.39	2.32	2.12	2.22	2.34	2.23	2.25	2.31	2.39	2.72
20	2.99	1.67	2.35	2.30	2.16	1.93	2.33	2.35	2.63	2.42	2.49	2.67
21	2.78	1.78	2.33	2.37	2.19	1.86	2.32	3.02	3.06	2.41	2.77	2.72
22	2.72	2.07	2.34	2.39	2.18	2.09	2.31	3.35	3.00	2.10	2.97	2.87
23	2.78	2.20	2.33	2.40	2.10	2.15	2.28	3.09	2.86	2.22	3.12	3.03
24	2.60	2.29	2.34	2.39	2.09	2.18	2.27	2.80	2.87	2.32	2.53	2.85
25	2.52	2.34	2.37	2.37	2.14	2.18	2.27	2.74	2.80	2.31	2.25	2.84
26	2.40	2.39	2.37	2.30	2.15	2.20	2.24	2.91	2.61	2.31	---	2.83
27	2.35	2.43	2.37	2.38	2.16	2.20	2.23	3.17	2.56	2.29	2.71	2.81
28	2.19	2.31	2.38	2.40	2.16	2.19	2.22	3.24	2.40	2.26	2.70	2.77
29	1.99	2.44	2.17	2.36	2.17	2.19	2.19	3.29	2.26	2.23	2.57	2.72
30	1.91	2.42	2.32	2.08	---	2.19	2.24	3.18	2.60	2.28	2.55	2.72
31	1.91	---	2.38	1.96	---	2.25	---	3.00	---	2.28	2.49	---
TOTAL	75.59	57.29	72.41	70.21	63.61	68.55	68.55	78.69	78.19	72.13	---	---
MEAN	2.44	1.91	2.34	2.26	2.19	2.21	2.28	2.54	2.61	2.33	---	---
MAX	3.38	2.44	2.44	2.40	2.30	2.40	2.53	3.35	3.08	2.67	---	---
MIN	1.91	1.61	2.17	1.92	1.90	1.86	2.18	2.06	2.18	2.00	---	---

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02286200 SNAKE CREEK CANAL AT NW 67TH AVENUE, NEAR HIALEAH, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	113	12	75	9.6	31	.00	7.8	4.2	405	84	.00	3.6
2	96	13	51	26	.00	.00	12	1.6	368	53	.00	.12
3	84	4.4	76	45	.85	.00	.48	.00	339	115	.00	1.8
4	73	3.1	75	37	.00	.00	.36	1.5	341	76	1.9	7.8
5	110	.89	74	72	.00	.00	.12	.00	327	44	.00	2.1
6	162	.11	19	56	.00	.12	.00	.00	220	6.2	.12	34
7	139	2.2	63	16	.00	.00	.00	.00	e140	26	.00	95
8	123	1.4	64	43	.00	5.1	53	.00	34	36	.00	---
9	125	.91	19	39	.00	7.5	143	.00	48	48	.00	---
10	131	2.6	84	29	.00	21	93	.00	298	17	.00	---
11	137	9.7	28	6.7	.00	124	66	.00	345	20	.00	---
12	108	1.2	49	.24	.00	93	101	.00	319	.54	.00	---
13	79	9.7	9.7	3.2	.00	26	63	.00	309	.44	.00	---
14	78	2.6	9.6	.00	.00	.00	83	.73	230	31	.00	---
15	134	.68	78	.12	.00	35	13	.00	208	.73	.00	---
16	190	4.2	5.0	.00	.00	1.8	41	.00	175	11	.00	---
17	194	5.2	4.6	.00	50	.74	9.7	.00	140	5.5	.00	---
18	146	6.4	.86	.00	.29	39	.49	.00	130	.06	.00	---
19	188	9.5	34	1.9	.00	66	.00	.24	66	1.5	2.0	---
20	112	12	40	.12	.00	124	.12	2.1	70	.06	.13	117
21	53	1.8	40	.00	.00	116	.00	98	147	.00	.77	116
22	20	.00	26	.00	.36	46	.00	257	158	2.1	.53	112
23	19	.00	44	.00	12	24	.12	302	116	.00	1.5	103
24	14	.00	20	5.9	.00	23	.36	297	125	.00	3.7	34
25	4.5	.00	7.2	8.9	.00	31	.00	255	79	.00	---	126
26	1.3	.00	8.0	1.7	.00	32	.00	333	61	.00	---	123
27	.36	.00	9.6	7.4	.00	18	.00	496	71	.00	---	128
28	.35	24	10	19	.00	11	.00	440	112	.00	---	123
29	3.8	82	41	68	.00	13	.00	536	99	.00	.00	123
30	11	100	1.8	201	---	5.9	.00	504	99	.00	7.7	118
31	22	---	3.5	91	---	14	---	473	---	.00	5.7	---
TOTAL	2671.31	309.59	1069.86	787.78	94.50	877.16	687.55	4001.37	5579	578.13	---	---
MEAN	86.2	10.3	34.5	25.4	3.26	28.3	22.9	129	186	18.6	---	---
MAX	194	100	84	201	50	124	143	536	405	115	---	---
MIN	.35	.00	.86	.00	.00	.00	.00	.00	34	.00	---	---
AC-FT	5300	614	2120	1560	187	1740	1360	7940	11070	1150	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 1996, BY WATER YEAR (WY)

MEAN	316	245	174	175	174	167	144	191	346	289	321	342
MAX	642	727	348	408	408	625	623	650	829	740	920	891
(WY)	1967	1970	1970	1995	1969	1970	1970	1979	1968	1966	1966	1966
MIN	4.64	3.41	1.49	9.39	3.26	28.3	13.8	11.3	31.3	10.0	1.64	1.94
(WY)	1994	1994	1994	1994	1996	1996	1989	1989	1993	1993	1993	1993

SUMMARY STATISTICS

WATER YEARS 1963 - 1996

ANNUAL MEAN	269	
HIGHEST ANNUAL MEAN	518	1966
LOWEST ANNUAL MEAN	114	1993
HIGHEST DAILY MEAN	1550	Mar 10 1969
LOWEST DAILY MEAN	-64	Sep 10 1984
ANNUAL SEVEN-DAY MINIMUM	-12	Sep 4 1984
ANNUAL RUNOFF (AC-FT)	194700	
10 PERCENT EXCEEDS	528	
50 PERCENT EXCEEDS	181	
90 PERCENT EXCEEDS	33	

e Estimated

255026080231300 SNAPPER CREEK CANAL EXTENSION AT NW 74TH STREET, NEAR HIALEAH, FL

LOCATION.--Lat 25°50'26", long 80°23'13", in SE1/4 sec.12, T.53 S., R.39 E., Dade County, Hydrologic Unit 03090202, on the north side of a short spur canal that runs west from the main canal at NW 74th Street, and 5.5 mi upstream from the Tamiami Canal.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1984 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 6.22 ft June. 23, 24, 1995; minimum, 0.21 ft June 5, 6, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 5.95 ft. Oct. 19; minimum, 3.77 ft May 20.

STATION NUMBER 255026080231300
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.46	5.58	5.07	4.59	4.23	4.10	4.01	4.03	4.73	5.12	4.76	4.99
2	5.45	5.55	5.05	4.57	4.24	4.12	3.98	4.07	4.67	5.19	4.79	4.99
3	5.42	5.52	5.04	4.64	4.27	4.14	3.97	4.10	4.62	5.16	4.77	5.00
4	5.38	5.51	5.03	4.67	4.25	4.13	3.98	4.08	4.59	5.11	4.79	5.00
5	5.38	5.47	5.01	4.62	4.22	4.10	3.98	4.06	4.55	5.08	4.76	4.99
6	5.57	5.45	4.99	4.60	4.20	4.10	3.95	4.03	4.51	5.05	4.78	4.97
7	5.56	5.42	4.97	4.64	4.20	4.10	3.94	3.99	4.47	5.03	4.74	5.00
8	5.57	5.39	4.95	4.60	4.19	4.10	4.11	3.98	4.43	4.99	4.72	5.00
9	5.55	5.36	4.95	4.57	4.19	4.07	4.45	3.96	4.42	4.95	4.72	5.14
10	5.54	5.33	4.96	4.54	4.19	4.10	4.46	3.93	4.70	4.92	4.71	5.30
11	5.50	5.31	4.93	4.51	4.19	4.35	4.39	3.93	4.69	4.89	4.74	5.31
12	5.47	5.30	4.91	4.49	4.17	4.33	4.32	3.91	4.72	4.88	4.75	5.33
13	5.46	5.27	4.88	4.48	4.15	4.29	4.29	3.90	4.75	4.92	4.72	5.31
14	5.55	5.32	4.86	4.47	4.15	4.26	4.26	3.91	4.73	4.94	4.70	5.28
15	5.69	5.29	4.84	4.45	4.15	4.23	4.23	3.87	4.69	4.92	4.69	5.26
16	5.77	5.25	4.83	4.43	4.15	4.21	4.20	3.83	4.70	5.03	4.66	5.22
17	5.86	5.23	4.81	4.42	4.14	4.20	4.16	3.80	4.68	5.04	4.65	5.20
18	5.89	5.22	4.79	4.39	4.14	4.18	4.13	3.79	4.66	5.01	4.63	5.19
19	5.90	5.21	4.79	4.40	4.13	4.15	4.10	3.80	4.65	4.98	4.67	5.21
20	5.90	5.19	4.80	4.39	4.13	4.12	4.06	3.88	4.75	4.94	4.74	5.26
21	5.87	5.18	4.77	4.39	4.17	4.09	4.04	4.57	4.90	4.91	4.88	5.27
22	5.84	5.17	4.76	4.36	4.15	4.09	4.02	4.61	4.90	4.89	4.89	5.27
23	5.83	5.15	4.76	4.33	4.13	4.10	3.99	4.59	4.89	4.86	4.94	5.26
24	5.85	5.15	4.74	4.32	4.12	4.09	3.97	4.52	4.95	4.83	5.01	5.26
25	5.82	5.13	4.71	4.29	4.12	4.07	3.96	4.51	4.93	4.80	5.00	5.26
26	5.80	5.10	4.68	4.30	4.12	4.05	3.94	4.60	4.91	4.76	5.00	5.26
27	5.76	5.07	4.65	4.30	4.11	3.99	3.92	4.62	4.90	4.73	5.03	5.26
28	5.73	5.05	4.63	4.28	4.10	3.96	3.90	4.84	4.92	4.70	5.04	5.26
29	5.68	5.07	4.60	4.28	4.10	3.97	3.87	4.86	4.96	4.67	5.02	5.23
30	5.64	5.08	4.58	4.25	---	3.97	3.94	4.86	5.07	4.68	5.00	5.17
31	5.60	---	4.58	4.22	---	4.02	---	4.80	---	4.68	5.00	---
TOTAL	175.29	158.32	149.92	137.79	120.80	127.78	122.52	130.23	142.04	152.66	149.30	155.45
MEAN	5.65	5.28	4.84	4.44	4.17	4.12	4.08	4.20	4.73	4.92	4.82	5.18
MAX	5.90	5.58	5.07	4.67	4.27	4.35	4.46	4.86	5.07	5.19	5.04	5.33
MIN	5.38	5.05	4.58	4.22	4.10	3.96	3.87	3.79	4.42	4.67	4.63	4.97

02286399 MIAMI CANAL ABOVE S-354 AND S-3 AT LAKE HARBOR, FL

LOCATION.--Lat 26°41'55", long 80°48'25", in SE1/4 sec.35, T.43 S., R.35 E., Palm Beach County, Hydrologic Unit 03090202, in pump station 3 at Lake Okeechobee, 0.25 mi upstream from US 27, in Lake Harbor, FL.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1957 to September 1988 (published as Miami Canal at HGS-3 and S-3 at Lake Harbor), October 1988 to current year (published as Miami Canal at S-354 and S-3 at Lake Harbor).

GAGE.--Satellite data collection platform with water-stage shaft encoders for lake and canal water stages. Datum of gage is National Geodetic Vertical Datum of 1929. Dec. 1, 1939 to June 30, 1943, non-recording gage at site 0.4 mi downstream at same datum. Oct. 1, 1957 to Sept. 30, 1959, dual water-stage recorder at present site at datum 0.05 ft lower and Oct. 1, 1959 to Feb. 7, 1962 at datum 0.22 ft lower.

REMARKS.--Water-level records are those for Lake Okeechobee at pump station 3. Published gage heights are for the upstream (lake) stage. Stage is affected by S-3 pumping, S-354 gate operations, wind, and seiche. Records of gage heights prior to October 1962 are available in files of the U.S. Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 19.78 ft Mar. 7, 1983; minimum, 9.50 ft Aug. 3, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 19.16 ft. Oct. 29; minimum, 14.48 ft. May 25.

STATION NUMBER 02286399
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.31	18.42	17.04	16.11	15.93	15.45	15.83	15.52	15.44	15.83	15.30	15.31
2	17.29	18.38	16.99	16.08	15.78	15.84	16.11	15.46	15.39	15.80	15.26	15.30
3	17.13	18.33	16.94	16.34	15.94	16.04	15.93	15.38	15.33	15.78	15.26	15.30
4	16.88	18.46	16.92	16.32	16.30	15.73	15.80	15.37	15.34	15.71	15.28	15.43
5	17.04	18.38	16.89	16.32	16.51	15.58	15.80	15.36	15.30	15.76	15.21	15.29
6	17.29	18.24	16.84	16.27	16.28	15.56	15.80	15.32	15.29	15.85	15.22	15.22
7	17.35	18.11	16.81	16.42	15.90	15.50	15.85	15.30	15.23	15.85	15.21	15.24
8	17.40	18.25	16.83	16.65	15.81	15.94	15.90	15.25	15.19	15.81	15.20	15.23
9	17.35	18.48	16.76	16.34	15.77	16.25	15.97	15.22	15.25	15.88	15.27	15.20
10	17.42	18.08	17.11	16.22	15.77	16.04	16.17	15.20	15.33	15.95	15.28	15.19
11	17.44	17.99	17.07	16.21	15.75	16.43	16.00	15.15	15.42	15.89	15.32	e15.21
12	17.46	18.24	16.80	16.23	15.92	16.08	15.82	15.16	15.49	15.87	15.35	15.24
13	17.44	18.06	16.69	16.34	16.00	15.74	15.79	15.18	15.47	15.91	15.35	15.23
14	17.42	18.07	16.63	16.18	15.70	15.69	15.82	15.17	15.46	15.89	15.36	15.20
15	17.58	18.01	16.60	16.15	15.63	15.66	15.77	15.12	15.43	15.89	15.35	15.14
16	17.95	17.85	16.57	16.14	15.88	15.67	15.90	15.13	15.42	15.83	15.36	15.08
17	17.93	17.80	16.54	16.11	15.98	15.61	15.95	15.03	15.48	15.83	15.36	15.10
18	18.11	17.68	16.47	16.11	15.66	15.48	15.78	15.00	15.41	15.84	15.40	15.17
19	18.28	17.68	16.38	16.14	15.63	15.78	15.73	14.99	15.44	15.79	15.38	15.25
20	18.44	17.59	16.62	16.20	15.63	15.66	15.71	14.94	15.42	15.73	15.37	15.16
21	18.65	17.54	16.62	16.14	15.64	15.83	15.68	15.01	15.54	15.75	15.37	15.07
22	18.72	17.62	16.56	16.21	15.64	15.68	15.61	15.09	15.58	15.72	15.33	15.09
23	18.65	17.54	16.77	16.07	15.64	15.72	15.57	15.13	15.70	15.66	15.24	15.21
24	18.70	17.48	16.64	16.03	15.63	15.57	15.64	15.07	15.70	15.56	15.27	15.15
25	18.70	17.46	16.53	16.18	15.65	15.49	15.55	15.13	15.68	15.51	15.27	15.08
26	18.69	17.41	16.39	16.03	15.60	15.51	15.45	---	15.72	15.49	15.27	15.02
27	18.59	17.21	16.30	16.03	15.60	15.44	15.53	---	15.78	15.47	15.24	14.98
28	18.61	17.12	16.31	16.23	15.59	15.57	15.37	---	15.75	15.43	15.24	14.94
29	18.87	17.06	16.31	16.04	15.64	15.71	15.24	15.17	15.83	15.39	15.26	14.93
30	18.56	17.12	16.19	16.01	---	15.76	15.20	15.24	15.96	15.34	15.28	14.96
31	18.46	---	16.13	15.97	---	15.85	---	15.40	---	15.32	15.27	---
TOTAL	555.71	535.66	516.25	501.82	458.40	487.86	472.27	---	464.77	487.33	474.13	454.92
MEAN	17.93	17.86	16.65	16.19	15.81	15.74	15.74	---	15.49	15.72	15.29	15.16
MAX	18.87	18.48	17.11	16.65	16.51	16.43	16.17	---	15.96	15.95	15.40	15.43
MIN	16.88	17.06	16.13	15.97	15.59	15.44	15.20	---	15.19	15.32	15.20	14.93

e Estimated

02286400 MIAMI CANAL AT S-354, AND S-3, AT LAKE HARBOR, FL

LOCATION.--Lat 26°41'42", long 80°48'25", in SE1/4 sec.35, T.44 S., R.35 E., Palm Beach County, Hydrologic Unit 03090202, 0.25 miles downstream of S-354 and pump station 3 at Lake Okeechobee, 0.05 miles south of US 27 on the Miami Canal in Lake Harbor, FL (corrected).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Prior to October 1940, monthly discharge only, published in WSP 1304. Dec. 1939 to June 1943 (published as Miami Canal at Lake Harbor, Oct. 1957 to Sept. 1988 published as Miami Canal at HOS-3, and S-3, at Lake Harbor discharge and tail water stage), Oct. 1988 to current year discharge and stage.

REVISED RECORDS.--WDR FL-93-2A: 1992.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929. Dec. 1, 1939 to June 30, 1943, nonrecording gage at this site at same datum. Oct. 1, 1957 to Sept. 30, 1959, dual water-stage recorder at present site, at datum 0.05 ft lower and Oct. 1, 1959 to Feb. 7, 1962, at datum 0.22 ft lower. Oct. 1, 1957 to Sept. 30, 1968, two deflection vane recorders. From 1981 water year to April 1, 1987, electromagnetic velocity meter and digital recorder. Electromagnetic velocity meter reinstalled May 11, 1988. Satellite data collection platform and acoustic velocity meter installed Sept. 11, 1991 to present.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by gates and pump station at Lake Okeechobee. Discharge is the flow through AVM site approximately 0.25 mi below S-354 structure. Stage collected also at the AVM site. Flow frequently reversed during and after periods of heavy rainfall by pumpage into the canal from agricultural lands in the Everglades, or by the operation of pump station 3 (negative figure indicates reverse flow). Discharge computed from relations between discharge, head, and pump tachometer and velocity index vs. mean velocity.

COOPERATION.--S-3 pump, syphon record and S-354 gate-operation record provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 36 complete water years of discharge (1957-89, 1993-1996).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height (Miami Canal) 14.92 ft, present datum, Mar. 21, 1960 and Oct. 2, 1965; minimum (Miami Canal), 7.51 ft Oct. 28, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height (Miami Canal), 13.00 ft June 10; minimum (Miami Canal), 9.18 ft Oct. 1.

SEE FOLLOWING PAGES FOR TABLES OF STAGE AND DISCHARGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA
 02286400 MIAMI CANAL AT S-354, AND S-3, AT LAKE HARBOR, FL
 GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.29	10.09	11.47	11.52	10.69	11.34	10.70	10.97	11.23	10.23	11.42	10.41
2	10.17	10.01	11.81	11.50	10.56	11.51	10.60	10.96	10.74	10.84	11.59	10.61
3	10.88	10.72	11.89	11.74	10.49	11.89	10.26	11.48	10.49	10.79	11.24	10.73
4	10.99	10.54	11.92	10.91	10.43	11.48	10.10	11.43	10.75	10.65	11.21	10.60
5	10.60	10.47	11.92	10.62	10.26	11.15	10.15	10.55	10.49	10.66	11.18	10.00
6	11.95	10.55	11.65	10.78	10.52	11.04	10.85	10.04	10.55	11.87	11.43	10.12
7	10.29	10.64	11.65	11.18	11.13	10.96	11.22	10.27	10.60	11.62	11.56	10.95
8	9.80	10.39	11.51	11.30	11.43	10.70	11.11	10.40	10.56	10.39	11.29	11.56
9	10.49	10.21	11.37	11.24	11.52	10.41	10.71	10.67	11.33	10.27	11.42	10.71
10	10.00	10.24	11.44	11.34	11.72	10.28	10.42	10.75	12.28	10.00	10.61	10.11
11	9.91	10.54	11.55	11.37	11.47	10.46	10.02	11.02	11.63	9.51	10.04	---
12	9.65	10.63	11.46	11.12	11.28	11.11	10.40	11.26	11.96	10.75	10.69	---
13	9.87	10.63	11.57	11.00	11.20	10.86	11.04	11.43	11.59	11.18	10.87	10.04
14	10.10	10.54	11.80	11.16	11.10	10.30	11.12	11.60	10.40	10.08	10.60	10.18
15	10.80	10.66	11.61	11.26	11.12	10.22	11.16	11.38	11.04	10.62	11.09	10.23
16	12.10	11.38	11.27	11.41	11.10	10.15	11.15	10.83	11.04	10.77	10.70	10.28
17	11.09	11.51	11.21	11.60	11.08	10.18	11.18	10.59	11.75	10.53	10.23	---
18	10.95	11.52	11.09	11.52	10.58	10.26	11.46	10.96	11.24	10.39	10.37	10.87
19	11.14	11.49	11.17	11.19	10.89	10.13	11.64	10.97	11.70	10.11	10.45	10.76
20	11.23	11.50	11.15	11.07	11.08	10.14	11.50	11.14	12.16	9.95	10.85	10.51
21	11.06	11.50	11.27	10.85	11.09	10.04	11.63	11.48	12.46	10.04	11.07	10.50
22	10.65	11.63	11.43	10.84	11.13	10.03	11.63	11.77	11.81	10.06	11.15	10.53
23	9.97	11.61	11.58	11.07	11.21	10.43	11.49	11.42	12.09	10.24	10.56	10.68
24	10.09	11.67	11.83	11.10	11.36	10.64	11.45	10.78	12.41	10.88	10.50	10.61
25	10.37	11.67	11.37	10.95	11.44	10.76	11.44	11.62	11.92	11.05	11.00	10.31
26	10.45	11.70	11.15	10.92	11.44	11.11	11.44	11.99	11.01	10.93	11.00	10.35
27	10.33	11.68	11.06	10.99	11.38	11.57	11.56	12.00	10.71	11.12	11.82	11.06
28	10.35	11.55	11.12	10.90	11.29	11.67	11.80	11.44	10.53	11.08	10.73	11.41
29	10.39	11.56	11.08	10.89	11.20	11.43	11.69	12.12	10.33	10.95	11.46	11.60
30	10.27	11.59	11.39	10.82	---	11.10	11.31	11.80	10.07	10.81	11.18	11.64
31	10.17	---	11.72	10.71	---	10.69	---	11.92	---	11.29	10.91	---
TOTAL	326.40	330.42	355.51	344.87	321.19	334.04	332.23	347.04	336.87	329.66	340.22	---
MEAN	10.53	11.01	11.47	11.12	11.08	10.78	11.07	11.19	11.23	10.63	10.97	---
MAX	12.10	11.70	11.92	11.74	11.72	11.89	11.80	12.12	12.46	11.87	11.82	---
MIN	9.65	10.01	11.06	10.62	10.26	10.03	10.02	10.04	10.07	9.51	10.04	---

02286400 MIAMI CANAL AT S-354, AND S-3, AT LAKE HARBOR, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	-72	260	-29	-9.6	151	-18	20	41	-10	152	1.5
2	4.1	-56	383	-24	-34	35	-2.8	-19	26	-56	27	-6.2
3	4.9	-73	366	-26	12	62	38	-23	-10	-80	-22	49
4	4.0	43	281	-13	-5.4	-39	-5.8	-19	22	-35	-39	47
5	-15	17	176	5.2	249	-35	226	e-21	17	-36	224	-43
6	23	-58	173	-1.2	366	-44	323	e5.3	24	34	335	327
7	7.6	-34	183	-1.2	321	-21	294	e11	6.2	18	326	556
8	50	39	185	8.5	303	-10	133	204	-60	35	272	224
9	21	12	153	-17	297	19	14	306	19	19	29	-26
10	26	.89	159	-16	284	-2.7	24	433	-273	36	6.2	-32
11	21	-51	162	-24	275	44	35	514	-317	-44	-21	e20
12	31	.72	172	-4.1	299	50	212	502	-17	-20	-33	e20
13	5.3	24	195	-2.8	297	e32	303	471	-36	59	-9.7	20
14	28	-.77	80	6.2	282	e-6.0	306	145	24	-37	108	e20
15	54	293	47	-36	260	e-45	332	-30	-17	5.5	155	e20
16	-349	343	48	1.4	252	e11	320	-23	16	-39	63	e20
17	-1420	193	35	e17	270	-75	470	207	-8.0	39	29	e20
18	-1310	194	-6.2	-4.2	276	9.3	691	286	e46	46	52	e20
19	-740	192	-13	-25	245	-11	787	277	-1.5	2.9	14	e20
20	-851	192	-8.2	6.4	264	-22	786	159	21	-5.0	5.8	13
21	-205	186	-7.5	23	292	-8.4	773	.13	-560	-24	4.1	-63
22	69	183	-33	49	272	208	769	36	-342	250	7.0	-9.3
23	55	187	-20	3.9	290	333	763	54	27	387	-7.0	39
24	76	190	-36	-26	302	294	774	-67	-75	498	-7.9	44
25	29	181	-44	30	290	375	764	-31	-27	579	-8.2	73
26	64	178	-44	4.7	291	882	742	-27	-24	584	-7.8	335
27	-63	149	-61	-24	294	1040	759	-31	-6.8	508	-11	532
28	-15	183	-48	49	286	256	754	-29	-56	445	65	501
29	36	180	-34	33	301	-16	653	-154	2.6	440	28	479
30	34	178	-103	32	---	e-26	139	-953	61	429	34	250
31	24	---	-75	e-13	---	-16	---	-32	---	285	21	---
TOTAL	-4279.1	2993.84	2525.1	-17.2	7121.0	3424.2	12157.4	2171.43	-1477.5	4313.4	1790.5	3471.0
MEAN	-138	99.8	81.5	-.55	246	110	405	70.0	-49.3	139	57.8	116
MAX	76	343	383	49	366	1040	787	514	61	584	335	556
MIN	-1420	-73	-103	-36	-34	-75	-18	-953	-560	-80	-39	-63
AC-FT	-8490	5940	5010	-34	14120	6790	24110	4310	-2930	8560	3550	6880

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1996, BY WATER YEAR (WY)

MEAN	-73.9	39.3	84.4	112	212	235	448	304	-22.8	-75.0	-107	-185
MAX	609	420	385	634	1439	1415	1480	966	626	936	302	1191
(WY)	1989	1974	1969	1993	1993	1966	1993	1974	1980	1992	1993	1992
MIN	-1167	-429	-330	-849	-373	-1185	-315	-296	-897	-769	-899	-1614
(WY)	1961	1961	1958	1958	1983	1970	1958	1972	1968	1985	1981	1960

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1958 - 1996

ANNUAL TOTAL	25565.34	34194.07	
ANNUAL MEAN	70.0	93.4	72.1
HIGHEST ANNUAL MEAN			487
LOWEST ANNUAL MEAN			-290
HIGHEST DAILY MEAN	774	Apr 16	1040
LOWEST DAILY MEAN	-1680	Aug 25	-1420
ANNUAL SEVEN-DAY MINIMUM	-689	Oct 15	-689
ANNUAL RUNOFF (AC-FT)	50710		67820
10 PERCENT EXCEEDS	332		337
50 PERCENT EXCEEDS	50		23
90 PERCENT EXCEEDS	-33		-40

e Estimated

02286700 MIAMI CANAL AT S-8, NEAR LAKE HARBOR, FL

LOCATION.--Lat 26°19'53", long 80°46'29", in NE1/4 sec.7, T.48 S., R.36 E., Broward County, Hydrologic Unit 03090202, 26 mi south of Lake Harbor, and 26.4 mi downstream from S-354 and pump station 3 at Lake Okeechobee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1962 to September 1968 (gage heights and discharge), October 1968 to December 1982, October 1990 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records are poor. Flow regulated by pumpage and operation of gate at pump station 8, by operation of S-354 and pump station 3 at Lake Okeechobee, and operation of drainage and irrigation pumps upstream.

COOPERATION.--Discharge record furnished by South Florida Water Management District October 1968 to December 1982 for publication. Prior to October 1968, gage height, gate opening and pump records furnished by South Florida Water Management District, and records computed by U.S. Geological Survey.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTIC.--Figures represent 23 complete water years of discharge (1963-82, 1992, 1995, 1996).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 15.17 ft, Oct. 17, 1995; minimum (daily) gage height, 6.02 ft June 7, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 15.17 ft, Oct. 17; minimum, 10.50 ft Apr. 5.

STATION NUMBER 02286700
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.34	13.86	e12.35	11.42	11.03	10.79	10.84	11.37	14.19	13.64	11.43	12.59
2	13.39	13.69	e12.32	11.40	10.99	11.45	10.77	11.29	13.93	13.14	11.42	12.63
3	13.79	13.62	12.28	12.36	11.00	12.21	10.66	12.43	13.14	13.04	11.37	12.11
4	13.76	13.64	12.25	12.22	10.97	11.88	10.58	12.94	12.87	12.94	11.35	12.45
5	13.56	13.58	12.21	11.67	10.93	11.53	10.51	12.32	12.73	12.98	11.31	11.87
6	14.24	13.53	12.18	11.38	10.94	11.38	10.56	11.44	12.10	13.86	11.27	11.03
7	14.36	13.41	12.15	11.38	10.99	11.28	10.59	11.19	12.06	14.67	11.24	11.94
8	14.14	13.38	12.11	11.35	11.01	11.18	11.49	11.02	12.09	14.21	11.21	12.02
9	14.35	13.34	12.08	11.33	11.02	11.02	12.30	10.94	12.40	13.78	12.95	12.63
10	14.24	13.17	12.04	11.31	11.12	10.83	12.38	10.89	14.47	13.90	13.60	12.50
11	14.06	13.12	12.00	11.29	11.75	11.46	11.33	10.86	14.41	13.11	12.61	e12.56
12	13.89	13.08	11.97	12.02	11.63	12.45	11.09	10.83	14.49	e12.37	11.23	e12.53
13	13.77	13.04	11.94	11.25	11.57	12.61	11.20	10.86	14.47	e13.58	11.17	12.05
14	13.99	13.00	11.91	11.22	11.42	11.68	11.47	11.55	13.67	13.08	11.17	11.99
15	14.39	12.96	11.89	11.18	11.41	11.08	11.46	11.76	13.00	12.75	11.62	11.95
16	14.95	12.90	11.85	11.16	11.45	10.67	11.54	11.26	13.18	12.74	12.42	11.80
17	14.99	12.85	11.81	11.14	11.47	10.65	11.53	10.94	13.78	12.64	11.83	e11.87
18	15.06	12.81	11.79	11.37	11.09	10.64	11.71	10.85	14.08	12.45	11.77	11.89
19	15.07	12.76	11.77	11.39	10.95	10.74	11.83	10.79	14.18	12.48	11.76	11.85
20	15.10	12.72	11.74	11.34	10.93	10.78	11.72	11.00	14.57	11.95	11.76	11.51
21	15.09	12.68	11.71	11.20	10.91	10.76	11.82	13.08	14.72	11.88	11.78	10.98
22	14.97	12.64	11.68	11.07	10.89	10.72	11.82	14.17	14.71	11.85	11.76	10.99
23	14.79	12.60	11.66	11.02	10.91	10.73	11.67	14.18	14.78	11.75	12.39	11.22
24	14.59	12.56	11.63	10.99	10.88	10.74	11.65	13.16	14.86	11.53	11.85	11.60
25	14.48	12.51	11.59	10.95	10.86	10.74	11.65	12.90	14.78	11.72	11.84	11.64
26	14.37	12.47	11.56	10.95	10.84	10.72	11.64	13.38	14.57	11.73	12.50	11.63
27	14.27	12.44	11.53	10.96	10.82	10.74	11.80	13.81	14.58	11.62	13.74	11.62
28	14.14	12.40	11.51	10.94	10.79	11.41	11.94	14.18	14.51	11.56	13.34	11.70
29	14.09	12.39	11.47	10.97	10.76	11.42	11.87	14.40	14.33	11.51	13.30	11.68
30	14.02	12.38	11.46	11.05	---	11.47	11.66	14.52	14.14	11.47	12.82	11.69
31	13.95	---	11.44	11.05	---	11.00	---	14.49	---	11.45	12.73	---
TOTAL	443.20	389.53	367.88	350.33	321.33	346.76	343.08	378.80	415.79	391.38	372.54	356.52
MEAN	14.30	12.98	11.87	11.30	11.08	11.19	11.44	12.22	13.86	12.63	12.02	11.88
MAX	15.10	13.86	12.35	12.36	11.75	12.61	12.38	14.52	14.86	14.67	13.74	12.63
MIN	13.34	12.38	11.44	10.94	10.76	10.64	10.51	10.79	12.06	11.45	11.17	10.98

e Estimated

02286700 MIAMI CANAL AT S-8, NEAR LAKE HARBOR, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	654	827	e70	51	51	20	78	70	1940	836	91	390
2	775	531	e66	55	63	246	82	114	1560	496	87	454
3	1450	484	54	737	88	366	44	714	697	138	53	32
4	1320	606	43	471	34	210	52	970	614	522	94	330
5	876	547	61	225	49	79	57	496	462	593	140	-60
6	2160	514	40	38	57	62	47	88	7.2	1870	197	-54
7	2230	361	60	72	59	35	72	80	6.4	2830	144	17
8	1730	346	53	67	61	86	413	53	16	1950	94	1.8
9	2200	337	52	75	78	75	464	76	395	1240	1380	573
10	1900	87	59	76	132	42	532	127	2650	1390	1440	371
11	1540	81	34	85	182	212	46	125	2470	522	698	e434
12	1180	63	46	516	156	654	46	63	2580	e-12	85	e399
13	1040	72	49	65	116	745	62	58	2510	e1520	81	18
14	1500	60	47	55	118	112	76	199	1200	648	30	59
15	2210	58	95	75	e110	8.8	48	167	558	434	31	22
16	3230	61	56	70	109	-1.3	114	49	802	565	496	-.10
17	3070	64	62	53	103	9.9	152	52	1670	509	9.9	e1.9
18	3080	59	69	220	54	41	168	44	1830	341	25	23
19	2990	41	83	271	50	86	191	53	2080	398	31	18
20	3040	49	69	239	43	41	148	112	2740	27	49	1.3
21	2970	30	47	182	59	51	182	1200	3020	30	52	-34
22	2620	49	50	115	e53	43	160	2130	2920	33	27	-62
23	2170	58	53	59	e54	32	122	2110	2990	-64	438	22
24	1710	60	64	65	e46	45	169	913	3100	-126	28	46
25	1530	50	64	71	e62	37	129	899	2870	53	36	37
26	1370	55	59	62	25	26	136	1350	2350	107	494	47
27	1150	58	52	65	25	13	217	1800	2300	31	1910	26
28	959	75	48	68	30	131	223	2080	2120	44	1120	104
29	1010	76	46	70	43	165	172	2460	1860	39	1270	117
30	955	42	46	54	---	86	226	2620	1520	24	626	93
31	945	---	48	51	---	61	---	2520	---	99	524	---
TOTAL	55564	5801	1745	4378	2110	3819.4	4628	23792	51837.6	17087	11780.9	3426.90
MEAN	1792	193	56.3	141	72.8	123	154	767	1728	551	380	114
MAX	3230	827	95	737	182	745	532	2620	3100	2830	1910	573
MIN	654	30	34	38	25	-1.3	44	44	6.4	-126	9.9	-62
AC-FT	110200	11510	3460	8680	4190	7580	9180	47190	102800	33890	23370	6800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1996, BY WATER YEAR (WY)

MEAN	371	162	140	207	295	233	277	238	455	515	554	629
MAX	1792	1003	1551	1053	1830	1385	1395	767	2059	1854	1975	1950
(WY)	1996	1995	1995	1979	1993	1966	1993	1996	1982	1982	1974	1992
MIN	6.58	1.00	.000	-.87	.000	.000	.000	.065	.000	.097	-.48	.000
(WY)	1982	1968	1971	1968	1974	1968	1968	1962	1962	1962	1966	1981

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1962 - 1996

ANNUAL TOTAL	278351	185969.80	
ANNUAL MEAN	763	508	339
HIGHEST ANNUAL MEAN			900
LOWEST ANNUAL MEAN			41.6
HIGHEST DAILY MEAN	3360	Aug 28	3230
LOWEST DAILY MEAN	24	Mar 25	-126
ANNUAL SEVEN-DAY MINIMUM	48	Nov 19	-7.4
ANNUAL RUNOFF (AC-FT)	552100	368900	245500
10 PERCENT EXCEEDS	2270	1900	1040
50 PERCENT EXCEEDS	485	86	66
90 PERCENT EXCEEDS	52	30	.00

e Estimated

02287395 MIAMI CANAL EAST OF LEVEE 30, NEAR MIAMI, FL

LOCATION.--Lat 25°56'28", long 80°26'23", in NE1/4 sec.9, T.52 S., R.39 E., Dade County, Hydrologic Unit 03090202, south of SR-997 approximately 800 ft on south bank, 1000 ft downstream from control structure 32, 14.1 mi upstream from salinity-control structure, 19.5 mi northwest of Miami, and 19.8 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1959 to current year. Published as "at broken dam, near Miami" November 1959 to September 1967, and October 1984 to November 1988.

GAGE.--Water-stage and electromagnetic velocity meter recorders. Datum of gage is National Geodetic Vertical Datum of 1929 (Dade County bench mark). Prior to January 20, 1968, October 1984 to November 1988 at site 0.5 mi downstream at same datum.

REMARKS.--Records poor. Flow affected by regulation at downstream salinity-control structure S-26 and by upstream storage releases at control structures 31, 32, and 32A.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 30 complete water years of discharge (1960-84, 1992-96).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 6.59 ft July 1, 1982; minimum, 1.40 ft May 31, 1962 (at site then in use).

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 4.72 ft Aug. 28; minimum, 2.50 ft Mar. 10.

STATION NUMBER 02287395												
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.93	---	3.97	3.84	3.23	2.97	3.00	3.15	3.78	4.16	3.73	3.90
2	3.96	---	3.96	3.81	3.20	2.95	2.94	3.16	3.72	4.21	3.76	3.85
3	3.95	---	3.95	3.88	3.21	2.98	2.98	3.21	3.64	4.14	3.83	3.81
4	3.95	---	3.95	3.88	3.21	3.02	2.99	3.20	3.55	4.07	3.90	3.63
5	3.92	---	3.93	3.84	3.14	3.02	2.99	3.19	3.48	4.02	3.89	3.50
6	4.07	---	3.91	3.84	3.22	3.00	3.00	3.17	3.41	3.96	3.89	3.48
7	4.07	4.13	3.90	3.86	3.17	2.99	2.99	3.15	3.34	3.90	3.87	3.62
8	4.09	4.12	3.91	3.80	3.25	2.92	3.22	3.17	3.29	3.83	3.85	3.57
9	4.09	4.09	3.93	3.79	3.25	2.57	3.48	3.17	3.40	3.75	3.88	3.70
10	4.10	4.07	3.94	3.77	3.21	2.60	3.39	3.16	3.76	3.68	3.88	3.97
11	4.07	4.05	3.91	3.76	3.23	2.84	3.31	3.19	3.60	3.65	3.92	3.86
12	4.05	4.04	3.92	3.75	3.23	2.82	3.31	3.17	3.64	3.71	3.92	3.77
13	4.06	4.05	3.93	3.72	3.25	3.01	3.29	3.16	3.75	3.74	3.89	3.68
14	4.17	4.09	3.92	3.73	3.26	3.05	3.25	3.18	3.76	3.97	3.88	3.60
15	4.34	4.06	3.90	3.71	3.25	3.01	3.25	3.16	3.74	3.95	3.89	3.52
16	---	---	3.89	3.72	3.20	3.05	3.18	3.14	3.80	4.06	3.90	3.59
17	4.51	---	3.90	3.74	3.22	3.09	3.18	3.12	3.78	4.05	3.89	3.73
18	4.57	---	3.90	3.73	3.25	3.07	3.17	3.11	3.75	4.02	3.89	3.67
19	4.52	---	3.91	3.73	3.23	3.00	3.17	3.11	3.73	4.00	3.95	3.61
20	4.49	---	3.92	3.72	3.03	3.02	3.16	3.20	3.85	3.97	3.97	3.62
21	4.48	---	3.91	3.73	2.88	2.94	3.16	3.67	3.98	3.94	4.07	3.71
22	4.47	---	3.91	3.71	2.91	2.98	3.16	3.95	3.98	3.92	4.06	3.70
23	4.48	---	3.93	3.72	2.93	3.00	3.12	3.80	3.99	3.88	4.15	3.65
24	4.47	---	3.91	3.74	2.90	3.04	3.08	3.68	4.03	3.87	4.18	3.66
25	4.44	---	3.89	3.72	2.96	3.05	3.09	3.60	4.00	3.85	4.16	3.64
26	4.40	---	3.87	3.74	2.98	3.02	3.07	3.70	3.98	3.79	4.15	3.62
27	4.26	---	3.86	3.73	2.97	3.01	3.05	3.86	3.95	3.80	4.15	3.58
28	4.11	---	3.86	3.70	2.97	3.00	3.07	3.92	3.96	3.78	4.19	3.56
29	4.06	3.88	3.82	3.71	2.96	2.97	3.07	3.97	4.02	3.77	4.13	3.55
30	---	3.96	3.82	3.43	---	2.99	3.09	3.91	4.11	3.77	4.10	3.42
31	---	---	3.82	3.27	---	3.05	---	3.83	---	3.67	4.02	---
TOTAL	---	---	121.05	115.82	90.70	92.03	94.21	105.16	112.77	120.88	122.94	109.77
MEAN	---	---	3.90	3.74	3.13	2.97	3.14	3.39	3.76	3.90	3.97	3.66
MAX	---	---	3.97	3.88	3.26	3.09	3.48	3.97	4.11	4.21	4.19	3.97
MIN	---	---	3.82	3.27	2.88	2.57	2.94	3.11	3.29	3.65	3.73	3.42

02287395 MIAMI CANAL EAST OF LEVEE 30, NEAR MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	e118	513	545	247	53	28	12	42	.00	11	13
2	90	e126	509	581	242	64	43	8.3	44	.00	9.9	13
3	78	e139	475	561	233	59	29	8.6	46	.00	9.8	11
4	72	e135	451	561	230	55	29	11	44	.00	7.6	22
5	78	e141	451	547	217	60	26	14	43	.00	11	55
6	82	e230	442	562	194	61	24	10	51	.12	7.4	67
7	78	382	431	558	180	56	22	7.2	51	.00	9.6	64
8	73	391	442	569	168	57	28	6.1	35	.00	15	68
9	75	399	460	606	156	69	32	7.4	18	.11	11	59
10	71	403	502	588	154	58	20	8.1	3.5	.00	10	51
11	64	385	512	595	147	34	16	7.1	2.8	.23	10	61
12	64	422	523	595	152	47	14	9.5	6.8	3.0	8.1	56
13	61	428	514	594	160	53	22	7.4	7.3	5.8	11	52
14	52	418	516	597	154	60	25	5.7	6.4	.53	12	56
15	51	422	501	582	148	59	23	9.3	8.9	3.8	9.3	64
16	e49	e418	495	583	154	59	13	10	9.3	2.7	11	157
17	48	e393	485	582	162	55	16	9.2	6.6	3.4	11	265
18	45	e449	480	576	158	57	18	10	3.9	3.8	13	272
19	38	e443	472	532	155	58	14	9.6	2.7	4.9	9.2	279
20	29	e430	448	511	115	55	9.2	3.4	1.2	5.9	8.9	272
21	32	e414	412	504	81	57	8.3	.12	.12	5.4	6.9	250
22	32	e399	364	483	77	50	9.1	.00	.00	7.0	7.5	247
23	30	e406	306	483	74	50	8.6	.00	.00	5.3	15	240
24	30	e408	203	480	71	48	7.9	.06	.00	5.7	18	229
25	27	e384	446	474	72	46	4.6	.06	.00	8.0	19	235
26	32	e397	581	498	72	57	4.8	.12	.00	7.6	19	229
27	100	e400	591	483	63	60	9.8	12	.00	8.3	20	234
28	120	e400	586	462	55	47	8.6	34	.00	7.8	16	230
29	122	e450	558	490	53	26	9.8	33	.00	7.3	9.3	233
30	e123	e500	554	372	---	24	11	47	.00	10	11	143
31	e116	---	535	257	---	23	---	45	---	12	9.4	---
TOTAL	2056	10830	14758	16411	4144	1617	533.7	345.26	433.52	118.69	356.9	4227
MEAN	66.3	361	476	529	143	52.2	17.8	11.1	14.5	3.83	11.5	141
MAX	123	500	591	606	247	69	43	47	51	12	20	279
MIN	27	118	203	257	53	23	4.6	.00	.00	.00	6.9	11
AC-FT	4080	21480	29270	32550	8220	3210	1060	685	860	235	708	8380

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1996, BY WATER YEAR (WY)

MEAN	226	226	202	198	192	183	217	174	157	168	182	205
MAX	921	696	638	586	826	826	885	689	798	636	668	649
(WY)	1961	1961	1961	1961	1983	1983	1970	1970	1970	1982	1982	1966
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1981	1981	1981	1982	1982	1980	1980	1979	1979	1980	1980	1980

SUMMARY STATISTICS FOR 1995 CALENDAR YEAR FOR 1996 WATER YEAR WATER YEARS 1961 - 1996

ANNUAL TOTAL	91696	55831.07	
ANNUAL MEAN	251	153	209
HIGHEST ANNUAL MEAN			476
LOWEST ANNUAL MEAN			33.0
HIGHEST DAILY MEAN	591	Dec 27	606 Jan 9
LOWEST DAILY MEAN	27	Oct 25	.00 May 22
ANNUAL SEVEN-DAY MINIMUM	30	Oct 20	.00 Jun 22
ANNUAL RUNOFF (AC-FT)	181900	110700	151700
10 PERCENT EXCEEDS	442	499	338
50 PERCENT EXCEEDS	232	53	175
90 PERCENT EXCEEDS	73	3.7	36

e Estimated

02287497 N.W. WELLFIELD CANAL NEAR DADE BROWARD LEVEE, NEAR PENNSUCO, FL

LOCATION.--Lat 25°53'28", long 80°26'13", in NE1/4 sec.28, T.52 S., R.39 E., Dade County, Hydrologic Unit 03090202, (Pennsuco quadrangle), 0.7 mi north of Pennsuco Canal, 0.9 mi east of Dade Broward Levee, 2.5 mi southwest of the Miami Canal, 3 mi east of Levee No. 30 Canal, and 3.5 mi west of Pennsuco.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929 (DERM bench mark).

REMARKS.--Records poor. Flow is the sum of regulation from vertical control structure DERM No. 1 and from levee seepage. Flow is positive to the east.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 2 water years of complete discharge (1992, 96).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 6.37 ft Nov. 19, 1994; minimum, 1.39 ft May 28, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 6.15 ft Oct. 19; minimum, 4.01 ft May 18.

STATION NUMBER 02287497												
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.71	5.88	e5.45	5.02	4.65	4.46	4.34	e4.25	5.00	5.36	5.14	5.33
2	5.71	5.86	e5.44	5.00	4.62	4.51	4.31	e4.30	4.95	5.40	5.16	5.31
3	5.70	5.84	5.42	5.06	4.64	4.53	4.31	4.31	4.90	5.39	5.17	5.32
4	5.69	5.82	5.42	5.09	4.60	4.51	4.32	4.32	4.86	5.36	5.20	5.30
5	5.70	5.80	5.40	5.06	4.57	4.48	4.31	4.29	4.82	5.33	5.17	5.29
6	5.84	5.78	5.38	5.03	4.55	4.47	4.24	4.27	4.78	5.31	5.16	5.29
7	5.85	5.76	5.36	5.06	4.55	4.46	4.23	4.25	4.74	5.28	5.13	5.35
8	5.85	5.74	5.34	5.04	4.54	4.46	4.41	4.23	4.70	5.24	5.11	5.33
9	5.84	5.71	5.34	5.00	4.53	4.42	4.76	4.21	4.68	5.21	5.10	5.45
10	5.83	5.69	5.34	4.98	4.52	4.49	4.76	4.18	4.99	5.19	5.09	5.54
11	5.80	5.68	5.32	4.95	4.52	4.75	4.69	4.18	4.98	5.16	5.17	5.55
12	5.78	5.67	5.30	4.93	4.50	4.72	4.63	4.16	5.03	5.15	5.19	e5.56
13	5.78	5.65	5.29	4.91	4.48	4.66	4.60	4.14	5.08	e5.19	5.16	5.55
14	5.86	5.67	5.27	4.89	4.48	4.62	4.56	4.18	5.04	5.24	5.12	5.52
15	5.96	5.64	5.25	4.87	4.47	4.59	4.52	4.14	5.00	5.22	5.09	5.50
16	6.02	5.62	5.23	4.85	4.48	4.57	4.49	4.09	5.00	5.33	5.07	5.48
17	6.07	5.60	5.22	4.83	4.46	4.56	4.45	4.05	4.96	5.34	5.04	5.47
18	6.10	5.59	5.20	4.81	4.46	4.54	4.42	4.03	4.95	5.31	5.01	5.45
19	6.10	5.58	5.19	4.80	4.45	4.51	4.39	4.04	4.95	5.28	5.05	5.47
20	6.10	5.56	5.20	4.79	4.49	4.48	4.33	4.08	5.03	5.24	5.10	5.52
21	6.09	5.54	5.17	4.78	4.54	4.45	4.30	4.53	5.16	5.21	5.23	5.52
22	6.06	5.53	5.15	4.75	4.52	4.44	4.27	4.95	5.17	5.18	5.25	5.52
23	6.05	5.51	5.15	4.74	4.50	4.43	4.23	4.88	5.18	5.16	5.31	5.50
24	6.05	5.50	5.14	4.72	4.49	4.42	4.21	4.84	5.28	5.13	5.34	5.49
25	6.03	5.49	5.11	4.70	4.49	4.41	e4.21	4.79	5.25	5.09	5.34	5.48
26	6.01	5.47	5.09	4.70	4.48	4.37	e4.17	4.85	5.23	5.06	5.37	5.46
27	6.00	5.45	5.06	4.69	4.47	4.30	e4.15	4.95	5.22	5.03	5.38	5.45
28	5.98	5.44	5.05	4.67	4.46	4.27	4.14	4.98	5.24	5.00	5.38	5.43
29	5.94	5.45	5.03	4.66	4.46	4.28	e4.11	5.09	5.28	4.97	5.36	5.42
30	5.92	5.46	5.02	4.69	---	4.29	e4.14	5.10	5.33	4.98	5.35	5.42
31	5.90	---	5.02	4.70	---	4.36	---	5.04	---	5.03	5.34	---
TOTAL	183.32	168.98	162.35	150.77	130.97	138.81	131.00	137.70	150.78	161.37	161.08	163.27
MEAN	5.91	5.63	5.24	4.86	4.52	4.48	4.37	4.44	5.03	5.21	5.20	5.44
MAX	6.10	5.88	5.45	5.09	4.65	4.75	4.76	5.10	5.33	5.40	5.38	5.56
MIN	5.69	5.44	5.02	4.66	4.45	4.27	4.11	4.03	4.68	4.97	5.01	5.29

e Estimated

02287497 N.W. WELLFIELD CANAL NEAR DADE BROWARD LEVEE, NEAR PENNSUCO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	206	221	e224	216	214	203	199	e165	192	197	231	222
2	209	223	e223	216	214	211	200	e167	192	195	228	219
3	211	224	222	220	213	211	201	177	192	196	234	217
4	215	223	220	221	211	206	201	176	194	197	239	216
5	220	224	220	221	213	205	199	174	192	200	236	214
6	219	227	220	219	214	204	190	173	189	200	231	216
7	219	231	221	219	210	203	189	174	189	200	230	223
8	217	231	221	221	212	204	198	176	188	200	226	219
9	218	232	219	220	215	204	207	174	188	201	224	217
10	217	231	218	218	212	208	205	174	204	204	224	202
11	220	232	220	218	199	219	204	177	200	204	237	201
12	221	233	219	217	199	216	201	175	205	200	241	e198
13	221	236	218	218	198	211	199	175	207	e203	240	202
14	218	232	217	216	198	209	196	180	204	206	237	202
15	215	229	218	218	197	207	195	178	201	203	231	202
16	214	231	217	215	199	205	197	176	197	211	229	203
17	204	231	218	215	197	202	193	174	194	210	225	203
18	200	230	218	215	195	204	193	174	193	211	221	203
19	198	229	219	215	194	203	191	175	194	210	222	205
20	197	229	220	214	202	203	183	182	194	209	221	207
21	203	229	220	214	208	204	180	197	195	208	222	206
22	200	231	219	215	206	202	180	199	196	208	225	206
23	197	229	219	213	207	201	179	194	201	209	231	204
24	197	228	219	215	205	199	177	192	216	207	224	206
25	205	222	218	216	205	199	e175	192	215	205	224	205
26	210	222	218	216	205	197	e170	197	213	206	231	203
27	211	222	218	215	205	190	e170	206	212	204	227	203
28	217	220	219	215	205	188	171	202	213	204	225	201
29	219	221	219	215	206	192	e168	189	212	203	225	199
30	222	225	217	211	---	191	e167	194	202	205	224	201
31	219	---	217	209	---	200	---	192	---	217	223	---
TOTAL	6559	6828	6795	6706	5958	6301	5678	5650	5984	6333	7088	6225
MEAN	212	228	219	216	205	203	189	182	199	204	229	207
MAX	222	236	224	221	215	219	207	206	216	217	241	223
MIN	197	220	217	209	194	188	167	165	188	195	221	198
AC-FT	13010	13540	13480	13300	11820	12500	11260	11210	11870	12560	14060	12350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1996, BY WATER YEAR (WY)

MEAN	164	169	159	165	172	170	184	170	163	161	192	181
MAX	212	228	219	216	223	217	268	248	235	219	229	210
(WY)	1996	1996	1996	1996	1995	1995	1994	1994	1994	1994	1994	1995
MIN	130	141	127	128	118	87.7	74.1	60.1	94.0	121	118	132
(WY)	1993	1994	1994	1994	1993	1992	1992	1992	1991	1993	1993	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1991 - 1996	
ANNUAL TOTAL	75120		76105			
ANNUAL MEAN	206		208		168	
HIGHEST ANNUAL MEAN					208	
LOWEST ANNUAL MEAN					129	
HIGHEST DAILY MEAN	245	Jan 10	241	Aug 12	360	Aug 16 1992
LOWEST DAILY MEAN	151	Jan 20	165	May 1	40	May 10 1991
ANNUAL SEVEN-DAY MINIMUM	163	Jun 24	168	Apr 26	42	May 9 1991
ANNUAL RUNOFF (AC-FT)	149000		151000		122000	
10 PERCENT EXCEEDS	226		225		227	
50 PERCENT EXCEEDS	210		208		171	
90 PERCENT EXCEEDS	178		189		110	

e Estimated

02288010 N.W. WELLFIELD CANAL NEAR PENNSUCO, FL

LOCATION.--Lat 25°52'34", long 80°23'17", in SE1/4 sec.31, T.52 S., R.40 E., Dade County, Hydrologic Unit 03090202, (Pennsuco quadrangle), .05 mi east of West Dade Expressway (Toll Road), .55 mi south of Pennsuco Canal, and 1.4 mi southwest of Miami Canal at Pennsuco.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1991 to September 30, 1996. Discontinued.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929 (DERM bench mark).

REMARKS.--Records poor. Flow is the sum of regulation from upstream DERM control structure No. 1 and from levee seepage and rainfall. Positive flow is to the south and is rarely reversed.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent one complete water year of discharge (1996).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 6.40 ft Nov. 19, 1994; minimum, 1.34 ft May 28, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 5.99 ft Oct. 19; minimum, 3.75 ft May 18, 20.

STATION NUMBER 02288010												
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.51	5.64	e5.15	4.70	4.35	4.15	4.04	4.01	4.72	5.09	4.76	4.99
2	5.50	5.61	e5.14	4.67	4.30	4.18	4.00	4.06	4.66	5.15	4.79	4.99
3	5.47	5.59	5.12	4.73	4.33	4.21	4.00	4.08	4.61	5.13	4.78	5.00
4	5.44	5.57	5.12	4.75	4.30	4.18	4.01	4.09	4.57	5.09	4.80	4.99
5	5.45	5.54	5.09	4.72	4.26	4.15	4.01	4.06	4.54	5.06	4.77	4.98
6	5.62	5.51	5.07	4.70	4.25	4.16	3.96	4.03	4.49	5.03	4.78	4.97
7	5.61	5.49	5.06	4.73	4.25	4.15	3.95	3.99	4.45	5.00	4.74	5.00
8	5.62	5.46	5.04	4.70	4.24	4.15	4.11	3.97	4.42	4.96	4.73	4.99
9	5.61	5.43	5.04	4.66	4.23	4.11	4.46	3.95	4.40	4.93	4.73	5.13
10	5.60	5.40	5.04	4.64	4.23	4.16	4.47	3.92	4.70	4.90	4.72	5.28
11	5.56	5.39	5.01	4.62	4.23	4.42	4.40	3.93	4.69	4.87	4.76	5.29
12	5.53	5.37	4.99	4.60	4.21	4.39	4.34	3.91	4.72	4.86	4.77	e5.31
13	5.52	5.36	4.98	4.57	4.19	4.34	4.31	3.88	4.76	e4.90	4.74	5.28
14	5.61	5.39	4.96	4.55	4.19	4.31	4.28	3.91	4.73	4.94	4.71	5.26
15	5.75	5.36	4.94	4.53	4.18	4.28	4.24	3.88	4.69	4.91	4.70	5.23
16	5.81	5.33	4.92	4.51	4.19	4.26	4.21	3.83	4.70	5.02	4.68	5.20
17	5.89	5.31	4.90	4.50	4.17	4.25	4.17	3.79	4.67	5.02	4.66	5.19
18	5.93	5.30	4.88	4.48	4.17	4.24	4.14	3.78	4.66	4.99	4.63	5.18
19	5.94	5.29	4.87	4.47	4.16	4.21	4.12	3.78	4.66	4.96	4.68	5.19
20	5.94	5.27	4.88	4.47	4.18	4.17	4.07	3.80	4.75	4.93	4.74	5.24
21	5.91	5.25	4.85	4.46	4.22	4.14	4.05	4.21	4.90	4.90	4.88	5.25
22	5.87	5.24	4.82	4.43	4.20	4.13	4.02	4.67	4.90	4.87	4.89	5.25
23	5.87	5.23	4.83	4.41	4.19	4.12	3.99	4.60	4.89	4.84	4.95	5.23
24	5.88	5.22	4.81	4.40	4.18	4.12	3.97	4.56	4.96	4.81	5.01	5.22
25	5.85	5.19	4.79	4.38	4.18	4.11	3.96	4.51	4.93	4.77	5.00	5.20
26	5.83	5.17	4.76	4.37	4.17	4.07	3.93	4.56	4.90	4.74	5.01	5.19
27	5.80	5.15	4.74	4.37	4.16	4.01	3.91	4.64	4.90	4.71	5.03	5.17
28	5.77	5.14	4.72	4.35	4.16	3.98	3.89	4.68	4.92	4.68	5.04	5.17
29	5.73	5.15	4.70	4.35	4.15	3.99	3.87	4.85	4.96	4.66	5.02	5.15
30	5.69	5.16	4.68	4.40	---	4.00	3.90	4.85	5.05	4.66	5.00	5.15
31	5.66	---	4.68	4.42	---	4.05	---	4.77	---	4.68	5.00	---
TOTAL	176.77	160.51	152.58	140.64	122.22	129.19	122.78	129.55	141.90	152.06	149.50	154.67
MEAN	5.70	5.35	4.92	4.54	4.21	4.17	4.09	4.18	4.73	4.91	4.82	5.16
MAX	5.94	5.64	5.15	4.75	4.35	4.42	4.47	4.85	5.05	5.15	5.04	5.31
MIN	5.44	5.14	4.68	4.35	4.15	3.98	3.87	3.78	4.40	4.66	4.63	4.97

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 199

02288010 N.W. WELLFIELD CANAL NEAR PENNSUCO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	159	172	e184	186	180	171	169	142	154	166	192	189
2	159	176	e187	188	184	182	170	144	154	161	192	186
3	162	177	187	188	185	179	169	146	162	166	195	187
4	164	169	191	192	186	175	178	153	168	174	200	178
5	171	174	191	197	181	174	172	151	167	166	205	177
6	161	179	187	197	179	182	169	150	173	170	203	186
7	164	180	189	195	174	178	167	151	168	165	203	187
8	164	186	190	188	177	184	170	149	168	171	194	185
9	166	181	187	190	179	181	172	147	164	173	192	178
10	168	181	194	196	176	186	170	149	167	175	194	166
11	172	189	188	197	174	183	179	147	171	172	206	170
12	173	194	187	197	170	176	176	147	179	168	207	e171
13	172	186	190	196	173	174	175	143	181	e173	208	171
14	168	181	190	194	176	174	173	150	180	178	202	170
15	163	182	186	197	174	180	174	151	176	176	201	168
16	157	184	191	191	176	178	169	150	176	178	200	169
17	145	184	193	188	174	175	169	150	178	176	196	173
18	141	181	191	194	172	167	167	148	171	179	190	171
19	144	184	193	189	172	169	168	149	175	182	190	170
20	144	186	190	195	177	166	162	154	169	181	194	169
21	152	187	191	196	181	168	160	167	165	181	188	172
22	150	185	193	190	177	171	157	165	170	181	190	165
23	144	185	189	185	179	175	154	160	178	178	197	172
24	145	189	187	188	180	172	158	157	184	180	185	172
25	147	185	186	188	175	175	149	156	184	186	184	169
26	153	182	191	184	170	170	147	163	185	184	189	164
27	159	188	190	188	176	166	147	173	187	181	186	170
28	168	186	191	186	176	166	150	167	190	181	187	167
29	158	190	194	186	170	167	145	152	187	180	189	166
30	160	192	194	180	---	166	144	158	168	182	188	162
31	162	---	190	175	---	173	---	157	---	188	191	---
TOTAL	4915	5495	5882	5901	5123	5403	4929	4746	5199	5452	6038	5200
MEAN	159	183	190	190	177	174	164	153	173	176	195	173
MAX	173	194	194	197	186	186	179	173	190	188	208	189
MIN	141	169	184	175	170	166	144	142	154	161	184	162
AC-FT	9750	10900	11670	11700	10160	10720	9780	9410	10310	10810	11980	10310

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1996, BY WATER YEAR (WY)

MEAN	96.8	138	129	128	157	134	124	109	117	105	136	128
MAX	159	183	190	190	195	176	188	178	180	176	195	173
(WY)	1996	1996	1996	1996	1995	1995	1994	1994	1994	1996	1996	1996
MIN	64.6	92.7	86.5	91.1	101	72.2	57.9	44.3	47.4	67.4	70.7	81.5
(WY)	1992	1993	1993	1994	1992	1992	1992	1991	1991	1991	1993	1993

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1991 - 1996

ANNUAL TOTAL	59525	64283	
ANNUAL MEAN	163	176	176
HIGHEST ANNUAL MEAN			176
LOWEST ANNUAL MEAN			176
HIGHEST DAILY MEAN	204	Feb 7	208
LOWEST DAILY MEAN	57	Jun 24	141
ANNUAL SEVEN-DAY MINIMUM	92	Jun 22	145
ANNUAL RUNOFF (AC-FT)	118100	127500	127200
10 PERCENT EXCEEDS	191		185
50 PERCENT EXCEEDS	167		104
90 PERCENT EXCEEDS	131		63

e Estimated

02288600 MIAMI CANAL AT N.W. 36TH STREET, MIAMI, FL

LOCATION.--Lat 25°48'29", long 80°15'49", in NE1/4 sec.29, T.53 S., R.41 E., Dade County, Hydrologic Unit 03090202, on right bank at downstream end of N.W. 36th Street Bridge fender at Miami, 200 ft upstream from salinity-control structure S-26.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1959 to current year.

GAGE.--Water-stage and electromagnetic velocity meter recorders. Datum of gage is National Geodetic Vertical Datum of 1929 (Dade County bench mark).

REMARKS.--No estimated daily discharges. Records poor. Flow affected by tide and is occasionally reversed. Some seepage losses above station into Miami-Dade Water and Sewer Authority well field for ground-water withdrawals. Natural flow materially affected by levee and control structures 31, 32 and 32A about 14 mi upstream, and structure 26 downstream.

COOPERATION.--South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 28 complete water years of discharge (1960-85,1987-88).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 5.14 ft Sept. 8, 1965; from hurricane storm-tide; minimum, -0.55 ft Apr. 26, 1970.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 3.21 ft Sept. 27; minimum, 0.13 ft June 3.

STATION NUMBER 02288600
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.12	1.30	2.02	2.17	2.60	2.79	2.71	2.82	1.35	2.50	2.76	2.75
2	2.25	1.24	2.06	2.08	2.53	2.72	2.72	2.80	1.33	2.44	2.83	2.71
3	2.33	1.15	2.08	2.19	2.65	2.77	2.69	2.77	1.37	1.97	2.86	2.71
4	2.27	1.15	2.14	2.07	2.67	2.76	2.69	2.78	1.36	1.76	2.86	2.70
5	1.89	1.27	2.11	1.99	2.46	2.75	2.70	2.80	1.52	1.72	2.84	2.73
6	1.80	1.39	2.08	2.08	2.74	2.78	2.70	2.80	1.58	1.62	2.79	2.73
7	1.85	1.41	2.11	2.14	2.54	2.78	2.73	2.78	1.59	1.58	2.79	2.70
8	1.80	1.38	2.12	1.96	2.77	2.49	2.71	2.80	1.82	1.56	2.82	2.69
9	1.77	1.38	2.14	1.96	2.77	1.63	2.64	2.81	2.70	1.54	2.84	2.66
10	1.76	1.42	2.13	1.95	2.61	1.64	2.65	2.81	2.32	1.58	2.83	2.32
11	1.72	1.36	2.05	2.05	2.71	1.84	2.59	2.85	1.55	2.07	2.82	2.18
12	1.78	1.39	2.19	2.02	2.75	2.27	2.83	2.85	2.13	2.29	2.83	2.04
13	1.86	1.81	2.24	1.97	2.77	2.77	2.76	2.84	2.33	1.70	2.85	2.06
14	2.01	1.84	2.18	2.00	2.83	2.80	2.76	2.62	2.65	2.73	2.82	2.01
15	1.88	1.91	2.08	1.96	2.75	2.72	2.83	2.74	2.68	2.70	2.85	1.93
16	1.83	1.75	2.15	2.02	2.63	2.78	2.81	2.78	2.65	2.68	2.84	1.95
17	2.06	1.81	2.20	2.07	2.73	2.83	2.84	2.76	2.67	2.62	2.86	1.83
18	2.12	1.85	2.22	2.06	2.75	2.81	2.83	2.75	2.70	2.72	2.84	1.78
19	2.02	1.82	2.24	2.05	2.65	2.77	2.81	2.73	2.73	2.78	2.78	1.77
20	2.07	1.85	2.22	1.98	2.62	2.79	2.81	2.75	2.69	2.76	2.70	2.14
21	2.00	---	2.23	2.03	2.68	2.73	2.79	2.64	2.58	2.79	2.53	2.64
22	2.09	1.90	2.29	1.96	2.75	2.76	2.76	1.94	2.58	2.78	2.54	2.63
23	1.88	1.97	2.35	2.02	2.77	2.77	2.75	1.52	2.59	2.60	2.37	2.42
24	2.01	1.96	2.26	2.12	2.74	2.76	2.76	1.31	2.62	2.85	2.71	2.66
25	1.92	1.83	2.21	2.04	2.79	2.77	2.75	1.21	2.59	2.77	2.73	2.67
26	1.85	1.70	2.20	2.12	2.81	2.73	2.74	1.28	2.69	2.62	2.71	2.71
27	1.79	1.76	2.17	2.05	2.80	2.68	2.73	1.29	2.43	2.85	2.70	2.72
28	1.45	1.74	2.20	1.91	2.80	2.72	2.68	1.34	2.54	2.85	2.73	2.71
29	1.32	1.65	2.10	2.03	2.81	2.75	2.65	1.52	2.45	2.84	2.77	2.68
30	1.38	1.80	2.11	2.37	---	2.75	2.68	1.41	2.39	2.16	2.71	2.60
31	1.40	---	2.11	2.83	---	2.76	---	1.33	---	2.08	2.74	---
TOTAL	58.28	---	66.99	64.25	78.48	81.67	82.10	72.43	67.18	72.51	85.65	72.83
MEAN	1.88	---	2.16	2.07	2.71	2.63	2.74	2.34	2.24	2.34	2.76	2.43
MAX	2.33	---	2.35	2.83	2.83	2.83	2.84	2.85	2.73	2.85	2.86	2.75
MIN	1.32	---	2.02	1.91	2.46	1.63	2.59	1.21	1.33	1.54	2.37	1.77

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 201

02288600 MIAMI CANAL AT N.W. 36TH STREET, MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	382	---	455	361	155	-2.1	-10	-8.8	---	---	-7.8	50
2	360	---	425	364	164	-7.5	-9.5	-8.1	---	---	-7.0	71
3	301	---	406	389	100	-15	-11	51	---	---	-7.7	74
4	291	---	384	291	143	-14	-7.5	-2.9	---	---	-4.5	68
5	385	---	391	417	192	-8.8	.14	-5.4	---	---	-3.3	66
6	432	---	394	389	52	.18	.47	-5.3	---	---	17	68
7	317	---	371	246	153	-2.4	-8.6	-3.3	---	---	2.3	79
8	433	---	349	112	37	133	103	-2.4	---	---	1.9	89
9	342	---	336	420	47	350	178	-2.3	---	---	21	114
10	192	---	350	425	173	321	48	-4.2	---	---	21	158
11	203	---	352	400	75	345	60	-1.5	---	---	22	114
12	291	---	316	376	88	128	-2.1	-10	---	---	7.4	183
13	383	---	312	383	82	-15	53	-9.7	---	197	3.4	156
14	418	---	326	377	-6.6	-12	37	74	---	31	26	225
15	502	---	354	380	66	-4.7	-.95	11	---	73	20	221
16	517	---	333	314	167	-.69	14	-12	---	133	10	218
17	586	---	309	351	78	.08	-7.8	-8.5	---	112	-1.7	238
18	499	---	304	344	66	3.8	-6.2	-7.5	---	75	3.9	119
19	185	---	323	356	132	-11	-4.0	-2.4	---	61	41	26
20	77	---	332	360	96	-11	-2.3	3.8	---	55	53	134
21	71	---	336	354	-3.1	-11	-1.1	---	---	34	110	155
22	123	377	239	366	-4.8	-12	-.05	---	---	30	91	188
23	495	362	265	351	-9.1	-13	5.5	---	---	72	101	160
24	250	404	270	328	-5.3	-5.9	-13	---	---	2.3	69	158
25	447	485	372	322	-4.3	-4.3	-4.5	---	---	34	65	181
26	381	483	359	314	-5.4	-1.3	7.3	---	---	40	44	199
27	---	477	347	281	-4.7	2.9	-6.0	---	---	-7.9	53	175
28	---	492	351	289	-1.6	9.2	-1.4	---	---	-4.6	50	212
29	---	541	362	348	-1.7	1.3	1.9	---	---	-2.2	32	228
30	---	488	342	171	---	.27	21	---	---	115	30	235
31	---	---	369	-12	---	19	---	---	---	74	35	---
TOTAL	---	---	10734	10167	2019.4	1162.04	433.31	---	---	---	897.9	4362
MEAN	---	---	346	328	69.6	37.5	14.4	---	---	---	29.0	145
MAX	---	---	455	425	192	350	178	---	---	---	110	238
MIN	---	---	239	-12	-9.1	-15	-13	---	---	---	-7.8	26
AC-FT	---	---	21290	20170	4010	2300	859	---	---	---	1780	8650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 1996, BY WATER YEAR (WY)

MEAN	353	275	210	192	180	146	122	130	262	267	286	363
MAX	1272	1071	1041	939	791	729	662	682	813	791	848	1146
(WY)	1961	1961	1960	1961	1961	1960	1960	1960	1968	1959	1960	1960
MIN	34.5	6.94	.000	.000	.000	-1.61	.000	-5.53	.33	4.08	2.32	76.6
(WY)	1981	1989	1982	1981	1982	1962	1974	1993	1980	1981	1987	1987

SUMMARY STATISTICS

WATER YEARS 1959 - 1996

ANNUAL MEAN	251
HIGHEST ANNUAL MEAN	843
LOWEST ANNUAL MEAN	31.2
HIGHEST DAILY MEAN	1570
LOWEST DAILY MEAN	-279
ANNUAL SEVEN-DAY MINIMUM	-69
ANNUAL RUNOFF (AC-FT)	182000
10 PERCENT EXCEEDS	571
50 PERCENT EXCEEDS	165
90 PERCENT EXCEEDS	.00

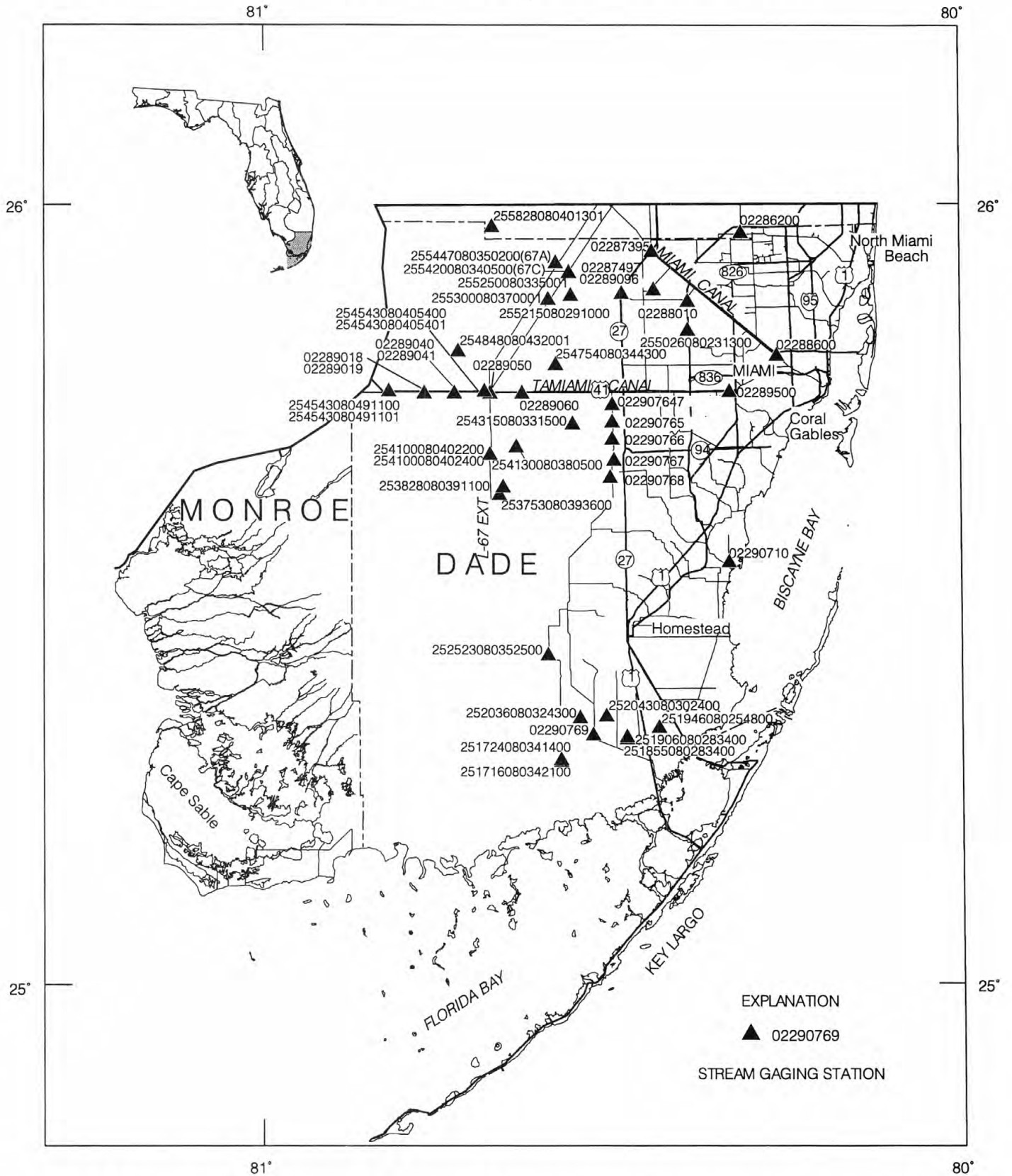
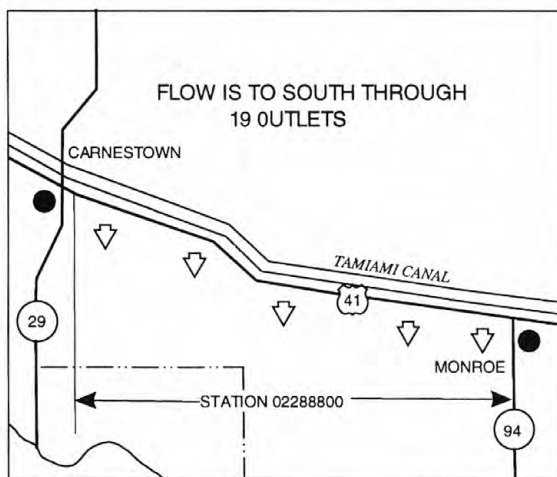
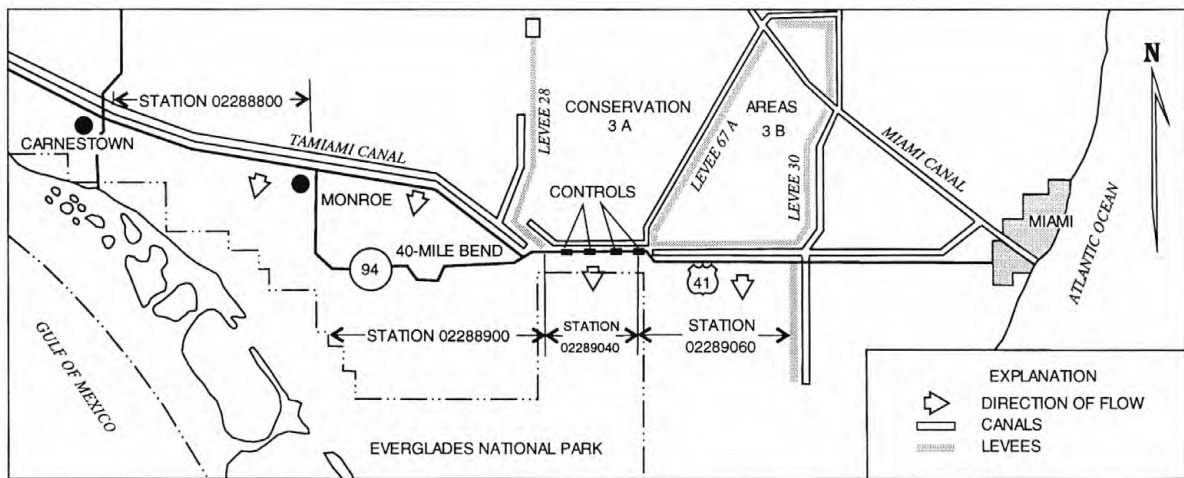
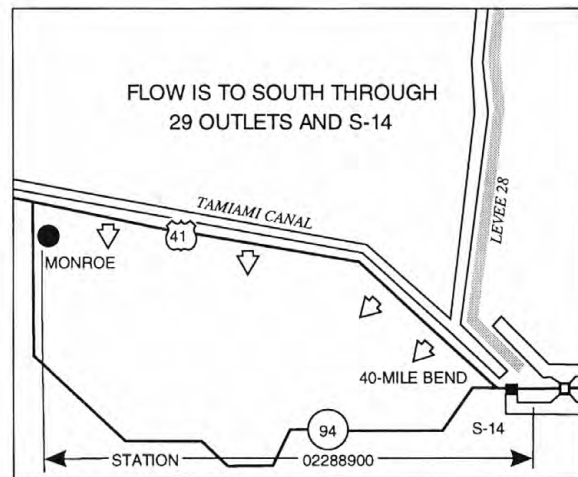


Figure 8. Location of gaging stations in the portion of the Everglades and southeastern coastal area south of latitude 26 degrees; Florida Bay and the Florida Keys.

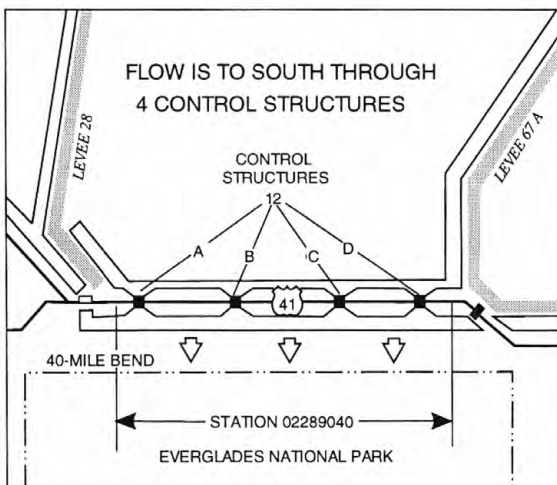
TAMIAMI CANAL OUTLETS



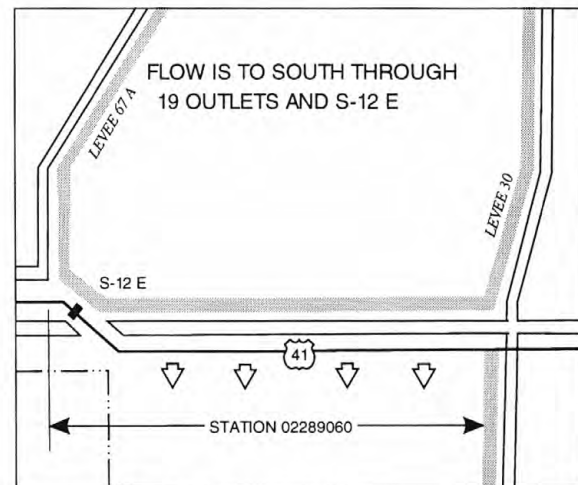
STATION 02288800 MONROE TO CARNESTOWN



STATION 02288900 40-MILE BEND TO MONROE



STATION 02289040 LEVEE 67A TO 40-MILE BEND



STATION 02289060 LEVEE 30 TO LEVEE 67A

FIGURE 9. Tamiami Canal Outlets.

02288800 TAMIAHI CANAL OUTLETS, MONROE TO CARNESTOWN, FL

LOCATION.--Lat 25°53'10", long 81°15'30", in NW1/4 sec.6, T.53 S., R.31 E., Collier County, Hydrologic Unit 03090204, on downstream side of bridge 84 on US 41, 7 mi east of Carnestown, and 10 mi west of Monroe.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to May 2, 1963, at site 2 mi east at datum 0.93 ft lower. May 2, 1963, to Feb. 10, 1965, at site on west bank of unnamed lateral 30 ft downstream.

REMARKS.--Records poor. Figures of discharge consist of runoff from Big Cypress Watershed as represented by flow through all the outlets of the Tamiami Canal from Monroe, 55 mi west of Miami, to a point 1 mi east of the intersection with State Highway 29 at Carnestown. Flow at westernmost outlets slightly affected by tide.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 37 complete water years of discharge (1960-96).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 5.90 ft present datum Sept. 14, 1960; minimum observed, -0.43 ft present datum May 30, 1962.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 5.08 ft Oct. 18, 19; minimum, 0.74 ft May 1, 2.

STATION NUMBER 02288800
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e4.59	4.62	3.88	3.58	3.31	2.54	1.81	.76	3.18	4.78	3.81	4.76
2	e4.57	4.58	3.86	3.59	3.28	2.67	1.71	.81	3.11	4.75	3.87	4.69
3	4.53	4.54	3.84	3.65	3.27	3.01	1.59	2.28	3.04	4.70	3.85	4.61
4	4.51	4.50	3.82	3.68	3.25	3.00	1.49	2.91	2.99	4.62	3.81	4.53
5	4.59	4.46	3.80	3.66	3.22	2.93	1.41	2.81	3.12	4.60	3.76	4.45
6	4.70	4.41	3.79	3.64	3.19	2.87	1.33	2.68	3.13	4.66	3.71	4.41
7	4.73	4.38	3.77	3.71	3.16	2.81	1.27	2.54	3.07	4.65	3.65	4.39
8	4.75	4.34	3.76	3.76	3.13	2.79	1.47	2.39	3.02	4.62	3.61	4.53
9	4.80	4.30	3.75	3.73	3.09	2.75	2.48	2.25	3.17	4.59	3.72	4.59
10	4.85	4.27	3.74	3.70	3.06	2.73	3.02	2.14	3.45	4.56	3.85	4.63
11	4.85	4.25	3.72	3.68	3.02	2.89	2.95	2.03	3.44	4.53	3.85	4.76
12	4.82	4.25	3.71	3.65	2.98	2.97	2.84	1.92	3.46	4.48	3.79	4.80
13	4.78	4.22	3.70	3.63	2.94	2.91	2.74	1.77	3.55	4.42	3.73	4.77
14	4.82	4.20	3.69	3.61	2.90	2.82	2.65	1.60	3.63	4.37	3.70	4.71
15	4.93	4.18	3.67	3.59	2.87	2.74	2.55	1.59	3.75	4.31	3.67	4.66
16	4.94	4.16	3.66	3.57	2.89	2.66	2.46	1.53	3.90	4.27	3.68	4.62
17	4.96	4.14	3.66	3.55	2.92	2.60	2.33	1.38	4.08	4.23	3.71	4.57
18	5.04	4.13	3.65	3.54	2.90	2.54	2.20	1.23	4.16	4.19	3.81	4.53
19	5.08	4.11	3.65	3.53	2.87	2.52	2.07	1.08	4.23	4.16	3.82	4.50
20	5.07	4.09	3.68	3.53	2.83	2.46	1.95	1.02	4.31	4.12	3.80	4.48
21	5.07	4.08	3.67	3.52	2.81	2.38	1.82	2.13	4.58	4.08	3.80	4.45
22	5.02	4.06	3.66	3.50	2.79	2.31	1.67	3.20	4.72	4.04	3.83	4.46
23	4.98	4.04	3.67	3.49	2.76	2.24	1.51	3.27	4.77	4.01	3.88	4.43
24	4.94	4.02	3.66	3.46	2.73	2.17	1.37	3.29	4.81	3.98	3.93	4.38
25	4.90	4.00	3.64	3.44	2.70	2.10	1.23	3.26	4.81	3.95	3.96	4.33
26	4.86	3.98	3.61	3.42	2.67	2.04	1.12	3.33	4.79	3.91	4.23	4.26
27	4.83	3.96	3.60	3.40	2.64	1.99	1.01	3.32	4.82	3.86	4.36	4.20
28	4.80	3.94	3.59	3.39	2.60	1.98	.92	3.28	4.86	3.81	4.42	4.15
29	4.75	3.92	3.58	3.37	2.57	1.97	.83	3.24	4.84	3.76	4.47	4.11
30	4.70	3.91	3.58	3.36	---	1.89	.77	3.21	4.81	3.74	4.77	4.07
31	4.66	---	3.57	3.34	---	1.86	---	3.22	---	3.73	4.80	---
TOTAL	149.42	126.04	114.63	110.27	85.35	78.14	54.57	71.47	117.60	132.48	121.65	134.83
MEAN	4.82	4.20	3.70	3.56	2.94	2.52	1.82	2.31	3.92	4.27	3.92	4.49
MAX	5.08	4.62	3.88	3.76	3.31	3.01	3.02	3.33	4.86	4.78	4.80	4.80
MIN	4.51	3.91	3.57	3.34	2.57	1.86	.77	.76	2.99	3.73	3.61	4.07

e Estimated

02288800 TAMIAMI CANAL OUTLETS, MONROE TO CARNESTOWN, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1820	1520	321	84	7.7	.00	32	4.6	52	2430	230	1350
2	e1780	1420	295	90	7.5	13	11	7.0	29	2330	284	1180
3	1660	1320	275	127	11	46	.66	1440	12	2150	264	999
4	1600	1230	260	149	13	36	.00	2150	3.7	1890	226	844
5	1850	1120	247	138	13	17	.00	1670	23	1840	182	700
6	2200	1030	232	123	14	6.8	.00	1340	21	1990	140	627
7	2290	950	221	205	15	2.1	.00	1030	6.3	1970	104	609
8	2350	883	216	271	15	.93	6.0	741	1.0	1890	85	895
9	2560	813	204	246	15	.00	252	514	20	1760	192	1070
10	2740	754	195	217	14	.30	430	363	138	1700	380	1210
11	2730	709	184	196	13	11	299	248	121	1600	390	1610
12	2610	706	177	177	12	27	192	149	126	1480	312	1790
13	2490	669	172	161	11	13	120	62	178	1320	259	1800
14	2660	637	162	143	10	2.7	64	10	232	1170	223	1710
15	3070	599	154	128	9.6	.00	29	8.1	343	1040	203	1630
16	3110	566	145	117	58	.00	11	2.8	516	960	207	1550
17	3150	539	141	106	99	.00	7.5	.00	783	878	231	1420
18	3440	516	134	96	86	.00	5.1	.00	937	789	307	1330
19	3540	494	136	93	70	2.2	3.6	.00	1070	732	282	1250
20	3460	471	155	84	54	2.4	3.3	.00	1230	660	233	1200
21	3400	462	151	78	44	1.7	2.1	44	1960	594	203	1150
22	3190	447	142	72	36	1.8	.30	103	2360	534	201	1170
23	2990	429	148	64	27	1.4	.00	96	2530	485	220	1100
24	2810	414	140	54	20	1.5	.00	111	2660	438	236	1010
25	2610	400	120	41	13	1.8	.00	94	2630	396	243	893
26	2420	384	105	34	8.4	2.4	.00	136	2530	345	520	769
27	2290	368	97	29	4.8	3.4	.00	127	2650	286	673	662
28	2170	354	94	24	2.1	11	.00	102	2750	236	729	598
29	1980	345	89	19	.34	23	.00	80	2650	194	761	544
30	1800	337	86	16	---	20	.39	66	2530	168	1370	482
31	1650	---	81	12	---	32	---	71	---	157	1440	---
TOTAL	78420	20886	5279	3394	703.44	280.43	1468.95	10769.50	31092.0	34412	11330	33152
MEAN	2530	696	170	109	24.3	9.05	49.0	347	1036	1110	365	1105
MAX	3540	1520	321	271	99	46	430	2150	2750	2430	1440	1800
MIN	1600	337	81	12	.34	.00	.00	.00	1.0	157	85	482
AC-FT	155500	41430	10470	6730	1400	556	2910	21360	61670	68260	22470	65760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1996, BY WATER YEAR (WY)

	MEAN	786	276	138	134	105	111	46.5	48.4	479	774	865	1194
MAX	2530	1877	1627	1312	840	1499	397	347	2658	2830	1948	3165	
(WY)	1996	1995	1995	1995	1983	1970	1970	1996	1969	1966	1981	1960	
MIN	68.7	12.8	.029	.45	.000	.000	.000	.000	12.1	40.0	38.0	341	
(WY)	1962	1991	1991	1990	1982	1975	1961	1962	1980	1980	1963	1967	

SUMMARY STATISTICS

FOR 1996 WATER YEAR

WATER YEARS 1960 - 1996

ANNUAL TOTAL	231187.32		
ANNUAL MEAN	632	393	
HIGHEST ANNUAL MEAN		790	1983
LOWEST ANNUAL MEAN		187	1975
HIGHEST DAILY MEAN	3540	Oct 19	6010 Sep 13 1960
LOWEST DAILY MEAN	.00	Mar 1	.00 Jan 15 1961
ANNUAL SEVEN-DAY MINIMUM	.00	Apr 23	.00 Jan 15 1961
ANNUAL RUNOFF (AC-FT)	458600		285000
10 PERCENT EXCEEDS	2040		1250
50 PERCENT EXCEEDS	204		105
90 PERCENT EXCEEDS	2.2		.00

e Estimated

02288900 TAMAMI CANAL OUTLETS, 40-MILE BEND TO MONROE, FL

LOCATION.--Lat 25°51'05", long 80°58'50", in SW1/4 sec.13, T.53 S., R.33 E., Collier County, Hydrologic Unit 03090202, on south bank, 25 ft east of bridge 105 on US 41, and 54 mi west of Miami, Dade County.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1939 to September 1963 (monthly discharge only), October 1963 to current year. Prior to October 1963, published as Tamiami Canal at bridge 105, near Miami (auxiliary). Records of gage height prior to October 1963 are available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Feb. 20, 1952, non-recording gage and Feb. 20, 1952, to May 28, 1952, water-stage recorder, at same site at datum 0.37 ft higher.

REMARKS.--Records poor. Figures of daily discharge consist of runoff from Big Cypress Watershed and the Everglades as represented by flow through all 29 bridges from bridge 28 to 22 and bridge 117 to 96. Prior to October 1963, daily discharge for this portion of canal was published as part of the total daily discharge of station, Tamiami Canal outlets, Miami to Monroe (station 02289000). No NASQAN water quality records collected after September 30, 1993.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Average annual mean discharge, 322 ft³/s, 233, 300 acre-ft/yr. Figures represent 55 complete water years of discharge (1964-88, 1990-96). Monthly discharge only, available 1941-63 water years.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 10.01 ft Oct. 20, 1947 (present datum); minimum, 2.65 ft May 26, 1974.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 9.32 ft Oct. 19, 20; minimum, 6.73 ft Apr. 30.

STATION NUMBER 02288900
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.09	9.04	8.66	8.41	8.16	7.72	7.39	6.81	8.36	8.68	8.07	8.31
2	9.08	9.03	8.65	8.40	8.15	7.77	7.31	6.99	8.32	8.65	8.08	8.29
3	9.05	9.02	8.64	8.43	8.14	7.84	7.23	7.72	8.28	8.65	8.08	8.30
4	9.03	9.02	8.63	8.44	8.13	7.82	7.17	7.97	8.25	8.62	8.06	8.28
5	9.03	9.00	8.62	8.43	8.11	7.80	7.11	7.96	8.21	8.61	8.04	8.25
6	9.08	8.97	8.62	8.42	8.09	7.79	7.05	7.94	8.17	8.65	8.02	8.21
7	9.08	8.96	8.60	8.42	8.08	7.77	7.00	7.91	8.18	8.61	8.00	8.19
8	9.07	8.95	8.60	8.42	8.06	7.83	7.24	7.88	8.17	8.58	7.99	8.20
9	9.08	8.93	8.58	8.40	8.05	7.82	7.81	7.85	8.21	8.54	7.99	8.22
10	9.11	8.91	8.58	8.39	8.03	7.81	7.95	7.80	8.41	8.52	8.03	8.24
11	9.12	8.90	8.56	8.39	8.02	7.87	7.92	7.75	8.41	8.50	e8.04	8.28
12	9.10	8.89	8.55	8.38	8.01	7.88	7.88	7.70	8.43	8.47	e8.02	8.29
13	9.09	8.88	8.54	8.37	7.98	7.86	7.82	7.63	8.46	8.44	e8.00	8.29
14	9.12	8.86	8.53	8.36	7.96	7.83	7.77	7.67	8.43	8.42	e8.01	8.29
15	9.15	8.84	8.52	8.35	7.94	7.81	7.71	7.94	8.43	8.38	e8.02	8.28
16	9.21	8.82	8.51	8.34	7.94	7.78	7.64	7.90	8.46	8.38	8.02	8.27
17	9.26	8.81	8.51	8.33	7.93	7.75	7.57	7.84	8.44	8.37	8.01	8.26
18	9.28	8.80	8.50	8.32	7.91	7.73	7.49	7.79	8.44	8.34	7.99	8.25
19	9.29	8.78	8.49	8.31	7.89	7.75	7.41	7.74	8.41	8.32	7.99	8.25
20	9.32	8.77	8.49	8.31	7.87	7.73	7.32	7.79	8.54	8.29	8.07	8.25
21	9.30	8.77	8.48	8.30	7.86	7.70	7.24	8.10	8.80	8.27	8.12	8.25
22	9.27	8.75	8.47	8.29	7.87	7.67	7.16	8.34	8.75	8.25	8.13	8.24
23	9.24	8.74	8.47	8.28	7.86	7.64	7.08	8.33	8.70	8.26	8.17	8.24
24	9.22	8.73	8.46	8.27	7.84	7.60	7.00	8.30	8.68	8.23	8.28	8.38
25	9.19	8.73	8.45	8.26	7.82	7.56	6.93	8.28	8.67	8.20	8.28	8.39
26	9.17	8.71	8.44	8.24	7.79	7.53	6.92	8.36	8.63	8.18	8.30	8.38
27	9.14	8.70	8.44	8.23	7.78	7.48	7.04	8.40	8.63	8.15	8.31	8.36
28	9.12	8.69	8.43	8.22	7.76	7.48	6.92	8.39	8.68	8.13	8.29	8.35
29	9.10	8.69	8.42	8.20	7.74	7.45	6.81	8.38	8.67	8.10	8.29	8.34
30	9.07	8.68	8.41	8.19	---	7.39	6.76	8.39	8.68	8.09	8.38	8.33
31	9.05	---	8.41	8.18	---	7.44	---	8.39	---	8.07	8.33	---
TOTAL	283.51	265.37	264.26	258.28	230.77	238.90	219.65	246.24	253.90	259.95	251.41	248.46
MEAN	9.15	8.85	8.52	8.33	7.96	7.71	7.32	7.94	8.46	8.39	8.11	8.28
MAX	9.32	9.04	8.66	8.44	8.16	7.88	7.95	8.40	8.80	8.68	8.38	8.39
MIN	9.03	8.68	8.41	8.18	7.74	7.39	6.76	6.81	8.17	8.07	7.99	8.19

e Estimated

02288900 TAMIAMI CANAL OUTLETS, 40-MILE BEND TO MONROE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6040	2330	1040	596	436	122	55	4.9	608	1530	337	603
2	5900	2280	1010	588	423	119	43	13	562	1450	350	581
3	5450	2220	995	623	425	119	34	79	518	1450	343	586
4	5070	2190	970	633	414	113	28	149	480	1380	330	574
5	4830	2120	942	607	400	107	24	149	442	1370	315	554
6	4960	2040	933	585	392	102	20	139	410	1450	302	532
7	4740	1970	914	572	379	99	18	131	416	1390	287	521
8	4490	1910	899	559	369	96	31	122	405	1300	283	544
9	4370	1850	878	529	358	90	20	111	439	1220	291	587
10	4330	1790	864	505	347	86	19	101	623	1180	315	639
11	4240	1720	819	485	346	71	18	88	627	1150	e326	714
12	3900	1690	796	466	335	63	16	76	656	1090	e291	745
13	3700	1650	782	444	318	59	14	64	695	1030	e281	764
14	3670	1600	764	423	309	55	12	79	660	980	e287	782
15	3720	1520	751	404	296	51	9.7	151	657	927	e310	790
16	3900	1480	740	387	289	47	7.9	134	697	920	310	793
17	4160	1440	734	371	277	43	6.2	115	673	878	298	799
18	4250	1390	720	376	257	40	4.8	100	663	817	289	784
19	4240	1340	708	383	240	50	3.5	88	629	767	288	785
20	4350	1320	704	393	226	48	2.5	109	915	715	343	790
21	4210	1300	695	401	216	44	1.7	319	1860	665	384	786
22	3920	1270	674	405	213	40	1.2	583	1740	630	393	772
23	3710	1240	681	409	203	36	.96	570	1590	619	439	763
24	3540	1220	669	415	188	32	.88	536	1530	569	550	867
25	3340	1200	657	419	175	29	.81	523	1500	529	564	870
26	3150	1150	644	422	161	26	1.5	620	1390	491	589	852
27	2970	1110	634	429	151	27	10	661	1380	453	598	826
28	2820	1100	627	430	140	32	7.0	652	1510	419	581	809
29	2680	1090	618	433	132	35	4.9	640	1490	391	586	782
30	2530	1070	602	437	---	36	4.1	652	1530	373	695	769
31	2420	---	601	437	---	61	---	654	---	348	626	---
TOTAL	125600	47600	24065	14566	8415	1978	419.65	8412.9	27295	28481	12181	21563
MEAN	4052	1587	776	470	290	63.8	14.0	271	910	919	393	719
MAX	6040	2330	1040	633	436	122	55	661	1860	1530	695	870
MIN	2420	1070	601	371	132	26	.81	4.9	405	348	281	521
AC-FT	249100	94410	47730	28890	16690	3920	832	16690	54140	56490	24160	42770

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1996, BY WATER YEAR (WY)

MEAN	702	374	222	189	140	136	83.8	71.1	348	560	682	751
MAX	4052	3057	3369	3062	1790	971	437	583	1707	2021	1499	2275
(WY)	1996	1995	1995	1995	1995	1995	1983	1969	1982	1966	1966	1995
MIN	66.6	26.4	3.80	1.54	.53	.000	.000	.000	.60	50.6	29.7	135
(WY)	1973	1975	1991	1990	1985	1971	1971	1967	1989	1987	1987	1967

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1964 - 1996

ANNUAL TOTAL	545970	320576.55	
ANNUAL MEAN	1496	876	361
HIGHEST ANNUAL MEAN			1660
LOWEST ANNUAL MEAN			118
HIGHEST DAILY MEAN	6110	Sep 30	6040
LOWEST DAILY MEAN	172	May 19	.81
ANNUAL SEVEN-DAY MINIMUM	219	May 13	1.4
ANNUAL RUNOFF (AC-FT)	1083000	635900	261700
10 PERCENT EXCEEDS	3330	2060	980
50 PERCENT EXCEEDS	1030	571	114
90 PERCENT EXCEEDS	341	36	.79

e Estimated

254754080344300 SHARK RIVER SLOUGH NO. 1 IN CONSERVATION AREA 3B NEAR COOPERTOWN, FL

LOCATION.--Lat 25°47'54", long 80°33'43", in SW1/4 sec.30, T.53 S., R.38 E., Dade County, Hydrologic Unit 03090202, 2.8 mi northwest of Coopertown on east-west ditch in Conservation Area 3B.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1976 to September 1980, October 1982 to current year. Prior to October 1977, published as "Shark Valley Slough No. 1 in Conservation Area 3B near Coopertown."

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Feb. 28, 1992 digital water-stage recorder.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 9.38 ft Nov. 16, 1995; minimum, 3.95 ft May 23, 1990.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 9.37 ft Oct. 19; minimum, 7.03 ft May 19, 20.

STATION NUMBER 254754080344300
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.63	9.13	8.62	8.20	7.83	7.49	7.34	7.22	7.29	7.84	7.63	8.07
2	8.63	9.12	8.60	8.18	7.82	7.48	7.33	7.22	7.27	7.89	7.65	8.06
3	8.63	9.12	8.59	8.23	7.82	7.49	7.31	7.22	7.26	7.84	7.64	8.09
4	8.63	9.15	8.57	8.24	7.80	7.48	7.30	7.21	7.26	7.84	7.66	8.07
5	8.63	9.12	8.56	8.22	7.78	7.46	7.29	7.20	7.25	7.83	7.66	8.04
6	8.74	9.09	8.55	8.20	7.76	7.46	7.28	7.18	7.24	7.80	7.68	8.02
7	8.76	9.07	8.53	8.21	7.75	7.45	7.28	7.17	7.23	7.77	7.67	8.00
8	8.78	9.05	8.51	8.20	7.73	7.46	7.30	7.16	7.22	7.74	7.65	7.98
9	8.83	9.02	8.49	8.18	7.72	7.45	7.39	7.15	7.21	7.72	7.65	8.00
10	8.88	8.99	8.48	8.16	7.71	7.47	7.43	7.13	7.48	7.74	7.65	8.06
11	8.87	8.97	8.47	8.15	7.69	7.54	7.42	7.12	7.47	7.71	7.64	8.12
12	8.86	8.97	8.45	8.13	7.68	7.54	7.40	7.11	7.47	7.69	7.64	8.10
13	8.85	8.95	8.44	8.11	7.66	7.52	7.39	7.10	7.47	7.75	7.64	8.09
14	8.90	8.94	8.42	8.10	7.65	7.51	7.37	7.09	7.45	7.80	7.63	8.06
15	9.00	8.91	8.40	8.08	7.64	7.50	7.36	7.09	7.44	7.76	7.62	8.04
16	9.11	8.88	8.39	8.07	7.64	7.49	7.34	7.08	7.44	7.80	7.64	8.02
17	9.16	8.86	8.38	8.05	7.63	7.48	7.32	7.06	7.44	7.80	7.64	8.02
18	9.25	8.83	8.36	8.04	7.61	7.47	7.31	7.05	7.44	7.79	7.63	8.01
19	9.30	8.82	8.36	8.03	7.60	7.46	7.30	7.04	7.50	7.78	7.68	8.02
20	9.32	8.80	8.36	8.01	7.59	7.45	7.29	7.04	7.57	7.76	7.73	8.04
21	9.29	8.78	8.34	8.00	7.58	7.44	7.27	7.12	7.61	7.74	7.77	8.03
22	9.28	8.76	8.32	7.99	7.57	7.42	7.26	7.25	7.61	7.72	7.79	8.01
23	9.28	8.74	8.32	7.97	7.56	7.41	7.25	7.26	7.60	7.70	7.81	8.00
24	9.28	8.73	8.29	7.95	7.55	7.40	7.24	7.27	7.62	7.69	7.82	7.99
25	9.26	8.71	8.27	7.93	7.54	7.39	7.23	7.26	7.64	7.67	7.85	7.97
26	9.24	8.69	8.25	7.92	7.52	7.38	7.22	7.27	7.65	7.66	7.92	7.95
27	9.23	8.67	8.24	7.90	7.51	7.37	7.21	7.30	7.68	7.64	7.97	7.93
28	9.22	8.65	8.23	7.89	7.50	7.36	7.20	7.32	7.68	7.63	8.02	7.91
29	9.19	8.64	8.22	7.87	7.49	7.35	7.18	7.32	7.72	7.61	8.01	7.90
30	9.17	8.64	8.21	7.86	---	7.34	7.19	7.31	7.80	7.61	8.03	7.88
31	9.15	---	8.20	7.84	---	7.34	---	7.30	---	7.60	8.10	---
TOTAL	279.35	266.80	260.42	249.91	221.93	230.85	219.00	222.62	224.01	239.92	240.12	240.48
MEAN	9.01	8.89	8.40	8.06	7.65	7.45	7.30	7.18	7.47	7.74	7.75	8.02
MAX	9.32	9.15	8.62	8.24	7.83	7.54	7.43	7.32	7.80	7.89	8.10	8.12
MIN	8.63	8.64	8.20	7.84	7.49	7.34	7.18	7.04	7.21	7.60	7.62	7.88

254543080491100 TAMAMI CANAL ABOVE S-12-A, NEAR MIAMI, FL

LOCATION.--Lat 25°45'43", long 80°49'11", T.54 S., R.35 E., Dade County, Hydrologic Unit 03090202, on north bank of Levee 29 borrow ditch, 200 ft northwest of structure 12A, near 40 Mile Bend on US 41. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1980 to current year (gage heights only).

GAGE.--Water-stage recorder and satellite data collection platform with water-stage shaft encoders for upstream and downstream stages. Datum of gage is National Geodetic Vertical Datum of 1929. Satellite data collection platform installed April 1, 1990.

REMARKS.--Station is one of several located above the gated control structures in Levee 29 at Tamiami Canal. Gage record is primarily used to determine discharge through structure 12-A. Records prior to October 1980 are fragmentary or missing from the files of the U.S. Geological Survey. Satellite data collection platform at S-12-A downstream that records upstream and downstream stages.

COOPERATION.--Gate-opening record provided by South Florida Water Management District.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.83 ft Dec. 21, 1994; minimum, 5.17 ft June 18, 19, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.46 ft Oct. 21; minimum, 8.86 ft May 13, 14.

STATION NUMBER 254543080491100
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.96	11.31	10.87	10.26	9.82	9.56	9.31	9.00	9.21	9.31	9.42	9.77
2	10.96	11.29	10.85	10.23	9.82	9.56	9.30	8.98	9.20	9.30	9.42	9.74
3	10.94	11.28	10.83	10.25	9.83	9.59	9.29	9.00	9.20	9.29	9.43	9.72
4	10.88	11.29	10.82	10.26	9.82	9.60	9.27	9.04	9.19	9.29	9.45	9.68
5	10.93	11.28	10.80	10.24	9.81	9.59	9.25	9.03	9.21	9.30	9.45	9.65
6	11.18	11.26	10.78	10.22	9.80	9.57	9.22	9.01	9.20	9.31	9.45	9.64
7	11.21	11.23	10.75	10.21	9.79	9.55	9.20	9.00	9.18	9.32	9.45	9.67
8	11.21	11.21	10.74	10.19	9.81	9.59	9.22	8.98	9.17	9.32	9.45	9.72
9	11.21	11.23	10.71	10.17	9.81	9.58	9.30	8.96	9.16	9.31	9.46	9.74
10	11.23	11.21	10.71	10.15	9.80	9.59	9.33	8.94	9.22	9.32	9.47	9.75
11	11.24	11.19	10.70	10.14	9.79	9.63	9.32	8.92	9.23	9.31	9.47	9.76
12	11.21	11.19	10.66	10.12	9.78	9.63	9.30	8.89	9.23	9.32	9.47	9.74
13	11.20	11.18	10.64	10.10	9.77	9.62	9.30	8.87	9.23	9.33	9.46	9.73
14	11.23	11.15	10.62	10.08	9.75	9.60	9.28	8.91	9.22	9.34	9.45	9.71
15	11.23	11.15	10.59	10.08	9.75	9.58	9.27	9.01	9.21	9.34	9.44	9.68
16	11.34	11.13	10.57	10.06	9.75	9.57	9.25	8.98	9.20	9.38	9.46	9.66
17	11.38	11.12	10.55	10.04	9.74	9.55	9.24	8.96	9.21	9.39	9.47	9.64
18	11.39	11.10	10.52	10.02	9.73	9.52	9.22	8.93	9.21	9.41	9.47	9.62
19	11.42	11.09	10.49	10.00	9.73	9.50	9.20	8.91	9.27	9.43	9.50	9.61
20	11.44	11.08	10.47	9.98	9.71	9.48	9.19	8.89	9.45	9.43	9.51	9.61
21	11.45	11.06	10.46	9.96	9.70	9.47	9.17	8.96	9.55	9.44	9.54	9.61
22	11.45	11.05	10.43	9.94	9.69	9.46	9.15	9.06	9.46	9.45	9.55	9.60
23	11.45	11.02	10.45	9.91	9.68	9.45	9.12	9.08	9.46	9.45	9.56	9.59
24	11.44	11.00	10.42	9.88	9.67	9.44	9.10	9.09	9.51	9.45	9.64	9.64
25	11.43	10.98	10.39	9.88	9.66	9.43	9.08	9.10	9.44	9.43	9.62	9.61
26	11.41	10.96	10.37	9.87	9.65	9.42	9.08	9.10	9.34	9.43	9.68	9.58
27	11.37	10.93	10.35	9.84	9.63	9.40	9.09	9.11	9.33	9.42	9.81	9.55
28	11.36	10.91	10.33	9.83	9.61	9.39	9.07	9.16	9.32	9.42	9.81	9.53
29	11.36	10.88	10.32	9.81	9.59	9.37	9.04	9.19	9.31	9.41	9.79	9.51
30	11.35	10.88	10.30	9.78	---	9.35	9.00	9.19	9.31	9.41	9.78	9.50
31	11.33	---	10.28	9.78	---	9.33	---	9.21	---	9.42	9.82	---
TOTAL	349.19	333.64	327.77	311.28	282.49	294.97	276.16	279.46	278.43	290.48	295.75	289.56
MEAN	11.26	11.12	10.57	10.04	9.74	9.52	9.21	9.01	9.28	9.37	9.54	9.65
MAX	11.45	11.31	10.87	10.26	9.83	9.63	9.33	9.21	9.55	9.45	9.82	9.77
MIN	10.88	10.88	10.28	9.78	9.59	9.33	9.00	8.87	9.16	9.29	9.42	9.50

254543080491101 TAMiami CANAL BELOW S-12-A, NEAR MIAMI, FL

LOCATION.--Lat 25°45'43", long 80°49'11", T.54 S., R.35 E., Dade County, Hydrologic Unit 03090202, on northwest bank of Levee 29 Tamiami Canal, 50 feet south of structure S-12-A. Approximately 21.8 mi west of SR-997 (old SR-27) along US 41 near 40 mile bend. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1963 to September 1965, October 1970 to September 1971, October 1975 to September 1976, October 1977 to September 1980 (discharge only), October 1980 to current year.

GAGE.--Water-stage recorder and satellite data collection platform with water-stage shaft encoders for upstream and downstream stages. Datum of gage is National Geodetic Vertical Datum of 1929. Satellite data collection platform installed April 1, 1990.

REMARKS.--No estimated daily discharges. Records fair. Station is one of several located downstream from the control structures in Levee 29 at Tamiami Canal. Gage record is primarily used to determine discharge through control structure 12-A. Discharge is the total discharge through the S-12-A structure, from Conservation Area 3A. The daily discharge computed from relations between discharge, head, and gate-openings when flow is controlled by gates and computed by relation between stage and discharge under uncontrolled conditions. Stage and discharge records prior to 1980, were either fragmentary or unavailable from the files of the U.S. Geological Survey.

COOPERATION.--Gate-opening records for S-12-A provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 23 complete water years of discharge (1964-65, 1971, 1976, 1978-96).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.80 ft Dec. 21, 1994; minimum, 5.21 ft June 19, 20, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.44 ft Oct. 23, 24; minimum, 7.85 ft May 13, 14.

STATION NUMBER 254543080491101												
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.93	11.30	10.85	10.26	9.06	8.28	7.95	7.92	8.02	9.31	9.40	9.77
2	10.93	11.29	10.83	10.24	9.03	8.27	7.95	7.92	8.00	9.30	9.40	9.74
3	10.92	11.28	10.82	10.25	9.02	8.24	7.94	7.93	7.98	9.29	9.42	9.72
4	10.86	11.28	10.81	10.26	9.00	8.22	7.94	7.94	7.96	9.29	9.42	9.68
5	10.91	11.28	10.79	10.24	8.99	8.19	7.94	7.91	7.94	9.30	9.43	9.64
6	11.16	11.27	10.77	10.23	8.98	8.18	7.94	7.90	7.93	9.31	9.44	9.63
7	11.18	11.23	10.75	10.21	8.93	8.16	7.93	7.89	7.92	9.32	9.44	9.66
8	11.20	11.21	10.73	10.19	8.83	8.18	7.95	7.88	7.92	9.31	9.44	9.72
9	11.20	11.23	10.71	10.17	8.80	8.14	8.06	7.87	7.91	9.31	9.45	9.75
10	11.22	11.20	10.70	10.15	8.79	8.14	8.06	7.87	7.99	9.32	9.47	9.75
11	11.23	11.18	10.69	10.14	8.77	8.17	8.02	7.87	7.98	9.31	9.47	9.76
12	11.22	11.19	10.66	10.11	8.76	8.15	8.00	7.86	7.98	9.32	9.46	9.74
13	11.21	11.18	10.63	10.10	8.76	8.13	7.97	7.86	7.99	9.33	9.46	9.73
14	11.23	11.15	10.61	10.08	8.72	8.12	7.96	7.93	7.98	9.34	9.45	9.70
15	11.24	11.14	10.59	10.07	8.65	8.11	7.95	8.06	7.97	9.34	9.44	9.68
16	11.33	11.13	10.56	10.06	8.63	8.09	7.93	8.02	7.96	9.38	9.45	9.66
17	11.37	11.11	10.54	10.04	8.63	8.08	7.92	7.98	7.95	9.39	9.46	9.64
18	11.38	11.10	10.51	10.04	8.62	8.06	7.90	7.94	7.96	9.41	9.46	9.62
19	11.40	11.09	10.49	10.01	8.61	8.04	7.90	7.91	7.99	9.42	9.50	9.60
20	11.42	11.07	10.47	9.99	8.61	8.03	7.90	7.91	8.15	9.42	9.50	9.61
21	11.42	11.05	10.46	9.97	8.60	8.00	7.90	8.01	8.39	9.42	9.53	9.60
22	11.43	11.04	10.43	9.96	8.60	7.99	7.89	8.06	8.67	9.43	9.55	9.59
23	11.43	11.01	10.44	9.92	8.50	7.98	7.89	8.04	8.67	9.44	9.55	9.59
24	11.43	10.98	10.41	9.83	8.36	7.97	7.89	8.02	8.68	9.43	9.63	9.63
25	11.42	10.98	10.39	9.73	8.33	7.96	7.89	8.02	9.06	9.42	9.62	9.61
26	11.39	10.95	10.36	9.72	8.31	7.96	7.88	8.03	9.34	9.42	9.66	9.58
27	11.36	10.92	10.34	9.71	8.30	7.95	7.89	8.07	9.33	9.41	9.80	9.55
28	11.34	10.90	10.33	9.69	8.29	7.96	7.89	8.08	9.32	9.40	9.80	9.53
29	11.35	10.87	10.32	9.67	8.29	7.96	7.88	8.07	9.31	9.39	9.79	9.51
30	11.34	10.87	10.30	9.66	---	7.96	7.89	8.06	9.31	9.39	9.78	9.50
31	11.31	---	10.28	9.42	---	7.96	---	8.04	---	9.39	9.81	---
TOTAL	348.76	333.48	327.57	310.12	251.77	250.63	238.00	246.87	249.56	290.26	295.48	289.49
MEAN	11.25	11.12	10.57	10.00	8.68	8.08	7.93	7.96	8.32	9.36	9.53	9.65
MAX	11.43	11.30	10.85	10.26	9.06	8.28	8.06	8.08	9.34	9.44	9.81	9.77
MIN	10.86	10.87	10.28	9.42	8.29	7.95	7.88	7.86	7.91	9.29	9.40	9.50

254543080491101 TAMIAMI CANAL BELOW S-12-A, NEAR MIAMI, FL
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	997	1250	877	615	117	.00	.00	.00	.00	202	228	379
2	998	1240	865	605	119	.00	.00	.00	.00	199	231	368
3	994	1230	858	613	120	.00	.00	.00	.00	195	237	361
4	965	1240	850	616	120	.00	.00	.00	.00	194	242	348
5	982	1240	838	610	120	.00	.00	.00	.00	193	246	334
6	1070	1230	827	604	120	.00	.00	.00	.00	198	250	329
7	1080	1210	816	599	94	.00	.00	.00	.00	198	252	321
8	1090	1190	803	590	59	.00	.00	.00	.00	194	254	317
9	1090	1210	793	581	59	.00	.00	.00	.00	194	259	301
10	1100	1190	787	573	60	.00	.00	.00	.00	193	268	280
11	1100	1170	783	568	60	.00	.00	.00	.00	191	270	277
12	1100	1180	766	561	60	.00	.00	.00	.00	192	269	270
13	1090	1170	748	555	60	.00	.00	.00	.00	193	269	266
14	1100	1150	739	547	49	.00	.00	.00	.00	197	268	258
15	1100	1150	731	541	37	.00	.00	.00	.00	196	266	248
16	1160	1140	721	536	38	.00	.00	.00	.00	205	272	242
17	1190	1130	712	531	38	.00	.00	.00	.00	211	276	235
18	1200	1120	702	530	38	.00	.00	.00	.00	220	276	233
19	1220	1120	690	520	38	.00	.00	.00	.00	224	288	231
20	1240	1100	683	513	37	.00	.00	.00	.00	225	288	236
21	1250	1080	681	506	37	.00	.00	.00	46	225	297	240
22	1260	1060	668	500	37	.00	.00	.00	106	231	302	239
23	1270	1040	676	487	15	.00	.00	.00	105	234	305	245
24	1270	1020	666	436	.00	.00	.00	.00	107	231	332	262
25	1270	1000	652	371	.00	.00	.00	.00	168	228	329	258
26	1260	978	646	370	.00	.00	.00	.00	215	230	345	252
27	1250	953	637	363	.00	.00	.00	.00	210	228	392	248
28	1250	933	632	365	.00	.00	.00	.00	208	225	394	244
29	1260	908	632	367	.00	.00	.00	.00	203	221	388	240
30	1260	894	623	343	---	.00	.00	.00	204	224	381	241
31	1250	---	619	258	---	.00	---	.00	---	226	394	---
TOTAL	35716	33526	22721	15774	1532.00	0.00	0.00	0.00	1572.00	6517	9068	8303
MEAN	1152	1118	733	509	52.8	.000	.000	.000	52.4	210	293	277
MAX	1270	1250	877	616	120	.00	.00	.00	215	234	394	379
MIN	965	894	619	258	.00	.00	.00	.00	.00	191	228	231
AC-FT	70840	66500	45070	31290	3040	.00	.00	.00	3120	12930	17990	16470

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1996, BY WATER YEAR (WY)

MEAN	252	208	110	90.2	79.6	76.3	45.4	22.5	40.9	114	143	167
MAX	1152	1261	1335	1346	849	580	464	267	394	714	682	722
(WY)	1996	1995	1995	1995	1995	1993	1993	1993	1993	1982	1982	1995
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1964 - 1996

ANNUAL TOTAL	229334	134729.00	
ANNUAL MEAN	628	368	
HIGHEST ANNUAL MEAN			131
LOWEST ANNUAL MEAN			672
HIGHEST DAILY MEAN	1530	1270	1530
LOWEST DAILY MEAN	19	.00	.00
ANNUAL SEVEN-DAY MINIMUM	24	.00	.00
ANNUAL RUNOFF (AC-FT)	454900	267200	95130
10 PERCENT EXCEEDS	1240	1100	357
50 PERCENT EXCEEDS	622	231	.00
90 PERCENT EXCEEDS	56	.00	.00

02289018 TAMAMI CANAL ABOVE S-12-B, NEAR MIAMI, FL

LOCATION.--Lat 25°45'42", long 80°46'05", in T.54 S., R.36 E., Dade County, Hydrologic Unit 03090202, on south bank of Levee 29 borrow ditch, 100 ft northwest of control structure 12-B, west of Miami. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1963 to current year (gage heights only).

GAGE.--Water-stage recorder and satellite data collection platform with water-stage shaft encoders for upstream and downstream stages. Datum of gage is National Geodetic Vertical Datum of 1929. Satellite data collection platform installed April 1, 1990.

REMARKS.--Station is one of several located above the gated control structures in levee 29 at Tamiami Canal. Gage record is primarily used to determine discharge through structure 12-B. Since March 9, 1990, satellite data collection platform at S-12-B downstream that records upstream and downstream stages.

COOPERATION.--Gate-opening record provided by South Florida Water Management District.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.92 ft Dec. 21, 1994; minimum, 5.14 ft June 18, 19, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.51 ft Oct. 21; minimum, 8.85 ft May 20.

STATION NUMBER 02289018
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.03	11.35	10.92	10.29	9.82	9.56	9.31	8.99	9.21	9.36	9.45	9.78
2	11.05	11.34	10.90	10.27	9.82	9.57	9.29	8.98	9.20	9.35	9.45	9.74
3	11.04	11.33	10.88	10.29	9.83	9.60	9.28	9.01	9.19	9.34	9.47	9.73
4	10.97	11.34	10.86	10.29	9.83	9.60	9.25	9.04	9.19	9.34	9.48	9.70
5	11.02	11.33	10.85	10.28	9.82	9.59	9.23	9.02	9.21	9.35	9.48	9.67
6	11.26	11.31	10.83	10.26	9.81	9.57	9.21	9.01	9.19	9.36	9.49	9.64
7	11.28	11.29	10.81	10.25	9.80	9.56	9.19	9.00	9.16	9.36	9.48	9.66
8	11.29	11.27	10.79	10.24	9.81	9.60	9.21	8.98	9.15	9.36	9.48	9.72
9	11.29	11.29	10.76	10.21	9.81	9.60	9.30	8.96	9.14	9.37	9.48	9.75
10	11.30	11.26	10.76	10.19	9.81	9.60	9.33	8.94	9.21	9.37	9.50	9.75
11	11.30	11.24	10.75	10.16	9.80	9.65	9.32	8.92	9.22	9.37	9.50	9.77
12	11.28	11.25	10.71	10.14	9.79	9.65	9.30	8.90	9.23	9.37	9.49	9.75
13	11.26	11.23	10.69	10.12	9.77	9.63	9.29	8.88	9.22	9.38	9.49	9.74
14	11.27	11.22	10.67	10.11	9.76	9.61	9.28	8.90	9.21	9.39	9.47	9.72
15	11.30	11.21	10.64	10.09	9.76	9.59	9.27	8.97	9.20	9.39	9.46	9.69
16	11.39	11.18	10.62	10.08	9.76	9.56	9.26	8.95	9.19	9.42	9.48	9.68
17	11.44	11.17	10.59	10.06	9.75	9.54	9.25	8.93	9.19	9.44	9.49	9.66
18	11.47	11.15	10.56	10.04	9.73	9.51	9.23	8.90	9.20	9.45	9.49	9.63
19	11.49	11.14	10.54	10.02	9.72	9.50	9.21	8.88	9.27	9.46	9.52	9.62
20	11.50	11.13	10.53	10.00	9.71	9.48	9.19	8.86	9.42	9.46	9.53	9.63
21	11.50	11.11	10.51	9.98	9.69	9.47	9.17	8.93	9.52	9.47	9.55	9.63
22	11.49	11.09	10.48	9.97	9.69	9.46	9.15	9.03	9.45	9.48	9.56	9.62
23	11.48	11.06	10.50	9.94	9.68	9.44	9.13	9.06	9.46	9.48	9.57	9.61
24	11.48	11.04	10.47	9.91	9.66	9.44	9.11	9.07	9.52	9.46	9.64	9.64
25	11.47	11.04	10.44	9.91	9.65	9.42	9.09	9.08	9.46	9.46	9.62	9.61
26	11.45	11.01	10.42	9.89	9.63	9.40	9.08	9.09	9.38	9.45	9.69	9.59
27	11.42	10.98	10.39	9.87	9.61	9.38	9.09	9.10	9.37	9.45	9.84	9.57
28	11.40	10.96	10.37	9.85	9.60	9.37	9.06	9.16	9.37	9.45	9.82	9.55
29	11.40	10.93	10.36	9.84	9.58	9.36	9.03	9.19	9.35	9.45	9.80	9.52
30	11.38	10.94	10.33	9.81	---	9.34	9.00	9.19	9.36	9.45	9.79	9.50
31	11.36	---	10.31	9.79	---	9.33	---	9.20	---	9.45	9.83	---
TOTAL	351.06	335.19	329.24	312.15	282.50	294.98	276.11	279.12	278.44	291.74	296.39	289.87
MEAN	11.32	11.17	10.62	10.07	9.74	9.52	9.20	9.00	9.28	9.41	9.56	9.66
MAX	11.50	11.35	10.92	10.29	9.83	9.65	9.33	9.20	9.52	9.48	9.84	9.78
MIN	10.97	10.93	10.31	9.79	9.58	9.33	9.00	8.86	9.14	9.34	9.45	9.50

02289019 TAMiami CANAL BELOW S-12-B, NEAR MIAMI, FL

LOCATION.--Lat 25°45'40", long 80°46'05", T.54 S., R.36 E., Dade County, Hydrologic Unit 03090202, on west bank of spillway, 100 ft southwest of control structure 12-B, and 35 mi west of Miami. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1963 to September 1963, October 1963 to September 1965, October 1966 to September 1975 (gage heights only), October 1975 to current year.

GAGE.--Water-stage recorder and satellite data collection platform with water-stage shaft encoders for upstream and downstream stages. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records fair. Since March 9, 1990, satellite data collection platform. Station is one of several located below the gated control structures in Levee 29 at Tamiami Canal. Gage record is primarily used to determine discharge through structure 12-B. Discharge computed from relation between discharge, head, and gate openings when flow is controlled by gates and computed by relation between stage and discharge under uncontrolled conditions. Discharge records for the missing periods above were either fragmentary or unavailable from files of the U.S. Geological Survey.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 23 complete water years of discharge (1964-65, 1976-96).

COOPERATION.--Gate-opening record provided by South Florida Water Management District.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.91 ft Dec. 21, 1994; minimum, 5.02 ft June 19, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.49 ft Oct. 21; minimum, 6.90 ft Mar. 29, 30.

STATION NUMBER 02289019
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.01	11.33	10.90	10.28	9.55	8.56	7.30	7.01	7.75	9.34	9.44	9.78
2	11.02	11.33	10.89	10.25	9.53	8.56	7.27	7.09	7.73	9.33	9.44	9.74
3	10.99	11.32	10.87	10.27	9.54	8.56	7.25	7.14	7.72	9.33	9.46	9.72
4	10.93	11.33	10.85	10.28	9.54	8.56	7.23	7.17	7.72	9.33	9.47	9.68
5	10.98	11.32	10.83	10.26	9.53	8.56	7.23	7.15	7.76	9.33	9.46	9.65
6	11.24	11.30	10.81	10.24	9.53	8.40	7.22	7.12	7.73	9.35	9.47	9.63
7	11.25	11.27	10.79	10.24	9.36	8.15	7.20	7.09	7.72	9.35	9.47	9.66
8	11.26	11.26	10.77	10.22	9.07	8.14	7.25	7.08	7.72	9.35	9.46	9.71
9	11.26	11.27	10.75	10.19	9.05	8.11	7.55	7.07	7.71	9.35	9.47	9.74
10	11.28	11.24	10.74	10.17	9.04	8.11	7.65	7.05	7.79	9.36	9.49	9.75
11	11.28	11.22	10.73	10.15	9.03	8.12	7.58	7.03	7.76	9.36	9.49	9.75
12	11.26	11.23	10.69	10.13	9.01	8.10	7.51	7.01	7.76	9.36	9.48	9.73
13	11.24	11.22	10.67	10.12	9.01	8.07	7.45	6.99	7.75	9.37	9.47	9.72
14	11.26	11.21	10.65	10.10	8.88	7.96	7.39	6.99	7.74	9.38	9.46	9.70
15	11.29	11.19	10.62	10.08	8.67	7.89	7.33	7.01	7.72	9.39	9.45	9.68
16	11.38	11.17	10.60	10.07	8.65	7.83	7.28	7.40	7.71	9.43	9.46	9.66
17	11.42	11.15	10.57	10.05	8.63	7.78	7.22	7.58	7.73	9.44	9.48	9.65
18	11.44	11.14	10.54	10.03	8.62	7.74	7.17	7.61	7.74	9.46	9.47	9.63
19	11.46	11.12	10.52	10.01	8.61	7.70	7.13	7.63	7.93	9.48	9.51	9.61
20	11.48	11.11	10.52	10.00	8.60	7.64	7.09	7.65	8.24	9.48	9.52	9.63
21	11.48	11.09	10.49	9.98	8.60	7.59	7.05	7.76	8.59	9.49	9.54	9.62
22	11.47	11.08	10.46	9.97	8.59	7.55	7.02	7.81	9.05	9.50	9.55	9.61
23	11.46	11.05	10.48	9.93	8.58	7.51	6.99	7.78	9.06	9.49	9.56	9.60
24	11.46	11.03	10.46	9.87	8.58	7.48	6.97	7.77	9.09	9.48	9.64	9.63
25	11.45	11.02	10.43	9.82	8.58	7.45	6.96	7.77	9.25	9.47	9.62	9.61
26	11.43	10.99	10.40	9.80	8.57	7.43	6.95	7.79	9.36	9.46	9.69	9.58
27	11.40	10.96	10.37	9.78	8.57	7.40	6.97	7.78	9.35	9.45	9.84	9.55
28	11.38	10.93	10.36	9.77	8.57	7.38	6.95	7.79	9.35	9.44	9.82	9.53
29	11.39	10.91	10.34	9.75	8.56	7.35	6.92	7.79	9.35	9.44	9.80	9.51
30	11.37	10.92	10.31	9.73	---	7.32	6.93	7.78	9.35	9.44	9.79	9.49
31	11.34	---	10.29	9.64	---	7.32	---	7.77	---	9.44	9.83	---
TOTAL	350.36	334.71	328.70	311.18	258.65	244.32	216.01	229.46	247.23	291.67	296.10	289.55
MEAN	11.30	11.16	10.60	10.04	8.92	7.88	7.20	7.40	8.24	9.41	9.55	9.65
MAX	11.48	11.33	10.90	10.28	9.55	8.56	7.65	7.81	9.36	9.50	9.84	9.78
MIN	10.93	10.91	10.29	9.64	8.56	7.32	6.92	6.99	7.71	9.33	9.44	9.49

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289019 TAMiami CANAL BELOW S-12-B, NEAR MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	755	921	661	423	229	44	.00	.00	.00	179	224	330
2	758	915	654	412	233	45	.00	.00	.00	173	223	318
3	748	910	646	420	235	45	.00	.00	.00	169	225	311
4	722	909	642	423	236	45	.00	.00	.00	166	225	297
5	756	903	636	413	234	45	.00	.00	.00	165	220	288
6	917	893	626	406	231	21	.00	.00	.00	167	219	283
7	925	877	618	401	174	.00	.00	.00	.00	165	215	273
8	930	868	611	394	102	.00	.00	.00	.00	162	210	264
9	930	873	603	382	104	.00	.00	.00	.00	160	210	248
10	937	858	598	371	104	.00	.00	.00	.00	160	213	228
11	937	845	596	362	104	.00	.00	.00	.00	157	209	226
12	927	848	582	354	104	.00	.00	.00	.00	154	204	220
13	919	839	574	349	103	.00	.00	.00	.00	155	198	217
14	929	832	563	337	74	.00	.00	.00	.00	156	193	209
15	940	821	553	330	46	.00	.00	.00	.00	154	189	204
16	983	809	543	323	47	.00	.00	.00	.00	162	191	200
17	1000	801	533	313	47	.00	.00	.00	.00	168	196	197
18	1010	788	524	308	47	.00	.00	.00	.00	177	194	187
19	1020	782	516	301	47	.00	.00	.00	.00	186	206	181
20	1030	772	513	296	47	.00	.00	.00	.00	190	207	182
21	1030	764	505	290	46	.00	.00	.00	112	195	213	178
22	1020	756	494	287	47	.00	.00	.00	227	204	217	173
23	1010	742	501	277	46	.00	.00	.00	224	203	219	169
24	1000	728	491	280	46	.00	.00	.00	231	204	244	175
25	991	724	478	295	46	.00	.00	.00	206	206	238	165
26	978	709	468	286	46	.00	.00	.00	184	208	270	156
27	962	695	456	294	45	.00	.00	.00	181	207	352	148
28	950	681	450	284	45	.00	.00	.00	180	209	344	140
29	951	671	444	282	45	.00	.00	.00	180	212	338	133
30	939	670	435	278	---	.00	.00	.00	181	217	334	127
31	927	---	428	249	---	.00	---	.00	---	221	347	---
TOTAL	28831	24204	16942	10420	2960	245.00	0.00	0.00	1906.00	5611	7287	6427
MEAN	930	807	547	336	102	7.90	.000	.000	63.5	181	235	214
MAX	1030	921	661	423	236	45	.00	.00	231	221	352	330
MIN	722	670	428	249	45	.00	.00	.00	.00	154	189	127
AC-FT	57190	48010	33600	20670	5870	486	.00	.00	3780	11130	14450	12750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1996, BY WATER YEAR (WY)

MEAN	271	211	128	103	84.5	78.0	41.3	22.9	41.5	97.4	138	181
MAX	930	1021	1232	1160	681	424	338	192	311	519	550	605
(WY)	1996	1995	1995	1995	1995	1995	1993	1993	1993	1982	1982	1995
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1964 - 1996

ANNUAL TOTAL	183047	104833.00	
ANNUAL MEAN	501	286	126
HIGHEST ANNUAL MEAN			561
LOWEST ANNUAL MEAN			.000
HIGHEST DAILY MEAN	1380	Jan 5	1380 Jan 5 1995
LOWEST DAILY MEAN	61	May 2	-22 Mar 28 1985
ANNUAL SEVEN-DAY MINIMUM	70	Apr 26	-3.1 Mar 26 1985
ANNUAL RUNOFF (AC-FT)	363100	207900	91140
10 PERCENT EXCEEDS	968	851	354
50 PERCENT EXCEEDS	469	201	22
90 PERCENT EXCEEDS	101	.00	.00

02289027 DRAINAGE CANAL BELOW STRUCTURE G-136, NEAR CLEWISTON, FL

LOCATION.--Lat 26°40'02", long 80°56'18", in SW1/4 sec.9, T.44 S., R.34 E., Hendry County, Hydrologic Unit 03090202, approximately 1,000 ft east of structure G-136, and approximately 6 mi south of Clewiston, FL.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May - July 1992 (gage heights only), August 1992 to current year.

REVISED RECORDS.--WDR FL-94-2A: 1992, 1993.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Flow affected by structure activity at G-136 and by agricultural pumping. Discharge computed from continuous record of line velocity and stage.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 13.79 ft Oct. 16, 1995; minimum, 9.38 ft Mar. 24, 1993.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 13.79 ft Oct. 16; minimum, 9.52 ft Oct. 2.

STATION NUMBER 02289027
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.53	10.37	11.68	11.75	10.88	11.51	10.84	11.19	11.76	10.70	11.63	10.64
2	10.42	10.26	12.00	11.72	10.76	11.71	10.79	11.18	11.16	11.20	11.80	10.85
3	11.14	10.95	12.10	11.96	10.63	12.13	10.49	11.69	10.78	11.12	11.45	10.94
4	11.31	10.80	12.13	11.20	10.55	11.77	10.31	11.69	11.05	10.97	11.42	10.85
5	10.95	10.71	12.12	e10.95	10.43	11.39	10.32	10.83	10.77	10.97	11.39	10.19
6	12.27	10.77	11.85	10.99	10.68	11.24	11.00	10.25	10.76	12.22	11.63	10.28
7	10.81	10.84	11.83	11.35	11.33	11.14	11.39	10.49	10.82	12.06	11.78	11.11
8	10.33	10.59	11.71	11.45	11.62	10.86	11.33	10.61	10.77	10.92	11.51	11.78
9	10.91	10.45	11.57	11.43	11.71	10.60	10.89	10.87	11.57	10.61	11.67	10.99
10	10.41	10.45	11.64	11.54	11.91	10.47	10.67	10.94	12.98	10.45	10.91	10.33
11	10.29	10.72	11.77	11.58	11.64	10.56	10.22	11.18	12.47	9.96	10.31	e10.50
12	10.03	10.81	11.69	11.31	11.45	11.30	10.58	11.42	12.42	10.97	10.90	10.26
13	10.18	10.82	11.77	11.18	11.38	11.10	11.22	11.61	12.04	11.57	11.08	10.23
14	10.44	10.70	12.02	11.37	11.26	10.51	11.31	11.83	10.83	10.39	10.79	10.39
15	11.20	10.81	11.84	11.47	11.26	10.41	11.36	11.63	11.35	10.91	11.30	10.50
16	13.02	11.56	11.50	11.63	11.22	10.35	11.32	11.04	11.37	11.06	10.96	10.55
17	13.13	11.71	11.46	11.83	11.25	10.38	11.35	10.79	12.03	10.84	10.44	10.72
18	13.02	11.73	11.32	11.75	10.75	10.39	11.62	11.15	11.55	10.65	10.59	11.06
19	12.69	11.69	11.38	11.38	11.07	10.21	11.79	11.16	12.00	10.39	10.67	10.96
20	12.70	11.71	11.32	11.27	11.25	10.25	11.66	11.35	12.55	10.17	11.08	10.72
21	12.25	11.67	11.49	11.05	11.28	10.16	11.78	11.76	12.94	10.25	11.31	10.69
22	11.74	11.81	e11.65	11.05	11.30	10.17	11.79	11.99	12.27	10.26	11.39	10.71
23	11.10	11.81	11.80	11.29	11.40	10.60	11.63	11.68	12.68	10.41	10.81	10.88
24	10.99	11.86	12.04	11.29	11.55	10.85	11.56	10.97	13.30	11.05	10.70	10.82
25	11.07	11.86	11.61	11.16	11.63	10.94	11.59	11.87	12.95	11.24	11.22	10.52
26	11.03	11.90	11.37	11.16	11.64	11.20	11.58	12.21	11.80	11.10	11.23	10.54
27	10.83	11.88	11.29	11.17	11.57	11.67	11.69	12.36	11.32	11.33	12.08	11.25
28	10.75	11.77	11.35	11.13	11.47	11.86	11.96	11.88	11.10	11.30	11.00	11.60
29	10.77	11.78	11.31	11.11	11.39	11.63	11.86	12.81	11.04	11.16	11.75	11.80
30	10.62	11.81	11.63	11.03	---	11.30	11.50	12.95	10.77	11.00	11.45	11.88
31	10.50	---	11.96	10.88	---	10.88	---	12.53	---	11.50	11.18	---
TOTAL	347.43	336.60	362.20	351.43	326.26	339.54	337.40	355.91	351.20	338.73	347.43	324.54
MEAN	11.21	11.22	11.68	11.34	11.25	10.95	11.25	11.48	11.71	10.93	11.21	10.82
MAX	13.13	11.90	12.13	11.96	11.91	12.13	11.96	12.95	13.30	12.22	12.08	11.88
MIN	10.03	10.26	11.29	10.88	10.43	10.16	10.22	10.25	10.76	9.96	10.31	10.19

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289027 DRAINAGE CANAL BELOW STRUCTURE G-136, NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	60	59	31	21	21	17	12	121	119	14	38
2	12	51	56	26	21	19	11	14	89	97	16	27
3	60	46	56	20	24	24	9.1	16	67	83	17	26
4	57	32	52	17	19	25	9.1	16	56	72	20	18
5	57	29	33	e14	16	20	16	14	40	71	12	26
6	99	38	23	18	20	24	13	9.0	37	114	13	22
7	106	36	16	33	26	20	13	11	30	116	18	18
8	95	31	22	30	30	16	14	11	24	98	15	16
9	85	27	7.9	27	29	9.2	12	12	47	82	10	13
10	66	23	15	17	28	11	10	12	194	73	31	11
11	57	32	19	13	27	8.5	7.3	13	189	61	36	e15
12	47	29	24	24	24	12	9.0	15	138	51	25	12
13	44	21	27	22	15	14	13	13	120	62	21	8.4
14	53	24	26	27	18	12	16	19	97	50	9.5	11
15	107	24	26	29	20	17	16	15	83	42	13	11
16	223	29	24	25	13	6.6	13	12	70	37	14	14
17	376	30	22	23	11	12	13	11	64	29	9.1	12
18	368	28	15	26	15	14	13	13	53	23	7.8	13
19	320	31	18	27	8.9	12	14	13	57	21	9.7	7.4
20	299	34	13	18	20	12	14	15	102	23	11	11
21	275	35	13	21	12	11	16	16	117	23	13	14
22	242	32	e14	21	14	14	15	17	132	16	12	13
23	210	22	14	22	14	7.2	17	21	211	14	14	16
24	188	26	16	27	11	15	16	11	302	19	19	10
25	168	13	15	22	24	14	17	17	253	20	32	9.7
26	148	24	16	22	18	13	18	22	194	12	27	10
27	124	23	13	26	20	15	16	40	149	11	50	13
28	111	36	18	22	14	17	15	66	138	10	67	19
29	98	68	20	22	6.9	11	15	177	172	10	67	17
30	80	60	15	25	---	15	16	229	142	12	67	15
31	72	---	28	27	---	17	---	169	---	16	46	---
TOTAL	4264	994	735.9	724	539.8	458.5	413.5	1051.0	3488	1487	736.1	466.5
MEAN	138	33.1	23.7	23.4	18.6	14.8	13.8	33.9	116	48.0	23.7	15.5
MAX	376	68	59	33	30	25	18	229	302	119	67	38
MIN	12	13	7.9	13	6.9	6.6	7.3	9.0	24	10	7.8	7.4
AC-FT	8460	1970	1460	1440	1070	909	820	2080	6920	2950	1460	925

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1996, BY WATER YEAR (WY)

MEAN	78.4	16.6	29.1	31.0	36.6	25.5	9.22	20.9	56.8	45.2	48.8	62.4
MAX	138	33.1	84.1	77.3	68.5	31.3	13.8	33.9	116	81.1	75.3	99.3
(WY)	1996	1996	1995	1995	1995	1995	1996	1996	1996	1994	1994	1993
MIN	7.27	.12	.039	4.04	18.6	14.8	4.37	9.52	19.3	6.54	23.5	15.5
(WY)	1993	1993	1993	1994	1996	1996	1993	1994	1993	1993	1993	1996

SUMMARY STATISTICS

FOR 1996 WATER YEAR

WATER YEARS 1992 - 1996

ANNUAL TOTAL	15358.3		
ANNUAL MEAN	42.0	31.6	
HIGHEST ANNUAL MEAN		42.0	1996
LOWEST ANNUAL MEAN		21.1	1993
HIGHEST DAILY MEAN	376	376	Oct 17 1995
LOWEST DAILY MEAN	6.6	.00	Sep 19 1992
ANNUAL SEVEN-DAY MINIMUM	11	.00	Nov 10 1992
ANNUAL RUNOFF (AC-FT)	30460	22870	
10 PERCENT EXCEEDS	103	102	
50 PERCENT EXCEEDS	21	25	
90 PERCENT EXCEEDS	11	1.4	

e Estimated

REVISION OF RECORDS FOR A DISCONTINUED STATION**02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL**

LOCATION.--Lat 26°25'50", long 80°56'50", in NW1/4 sec.4, T.47 S., R.34 E., Hendry County, Hydrologic Unit 03090203, near center of span on upstream side of bridge on private road, 100 ft upstream from Deerfence Canal, 2 mi east of state Highway 846, and 22 mi south of Clewiston. Auxiliary gage is located on Levee 3 Canal 3.6 mi downstream from the base gage.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1969 to September 1990.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by South Florida Water Management District). Prior to October 1974 at datum 0.15 ft lower. Since October 1979, auxiliary water-stage recorder 3.6 mi downstream at same datum.

REMARKS.--Records revised by former U.S.G.S personnel and reviewed by the U.S. G.S. The revision of this period of discharge was requested by South Florida Water Management District. The discharge data collected during this period are now being used as baseline discharge data to support nutrient loading computations for the C-139 Basin regulatory rules and for the sizing of Storm Treatment Area 5 (STA-5), a water detention basin that is going to be used to support the Everglades clean-up, through the Everglades Construction Project (ECP). Records poor. All flow below 100 ft³/s is considered estimated. Flow at this location includes the flow of Deerfence Canal. After September 1979, discharge computed using fall as a factor. Auxiliary stage data is stored in ADAPS under 262310080555001. Extreme stages listed are those for the base gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,750 ft³/s June 26, 1982; maximum gage height, 18.57 ft Aug. 4, 1973; maximum daily reverse flow, 418 ft³/s Sept. 6, 1987; minimum gage height, 9.65 ft May 7, 1975.

REVISIONS.--Revised figures of discharge for the water years 1978 to 1990, superseding those published in the reports for 1978-90, are given below.

SEE THE FOLLOWING PAGES FOR TABLES OF REVISED STAGE AND DISCHARGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.50	11.59	13.29	12.73	12.69	12.42	11.96	11.42	11.38	13.61	14.66	15.38
2	12.20	11.58	13.22	12.70	12.61	12.37	12.00	11.41	11.44	13.50	14.76	15.53
3	12.03	11.72	13.09	12.67	12.57	12.30	11.98	11.38	11.51	13.41	15.12	15.69
4	12.45	12.29	12.96	12.65	12.51	12.43	11.90	11.23	11.43	13.32	15.28	15.68
5	12.82	12.79	12.93	12.61	12.44	12.44	11.81	11.17	11.36	13.27	15.25	15.54
6	12.88	13.01	13.20	12.57	12.37	12.37	11.73	11.21	11.40	13.38	15.19	15.36
7	12.86	12.98	13.38	12.50	12.34	12.32	11.69	11.60	11.64	13.51	15.18	15.17
8	12.78	12.90	13.41	12.47	12.32	12.26	11.69	11.86	11.74	13.75	15.11	14.97
9	12.70	12.85	13.58	12.56	12.40	12.55	11.69	11.96	11.82	13.96	15.03	14.68
10	12.61	12.74	13.73	12.65	12.46	13.11	11.72	12.00	11.85	13.99	14.94	14.32
11	12.52	12.66	13.70	12.62	12.46	13.13	11.68	11.99	11.93	14.06	14.98	13.99
12	12.43	12.51	13.61	12.62	12.42	13.06	11.60	11.90	12.00	14.57	14.97	13.72
13	12.36	12.43	13.53	12.62	12.38	12.99	11.52	11.83	12.15	14.90	15.11	13.74
14	12.31	12.30	13.45	12.66	12.38	12.98	11.46	11.75	12.20	15.18	15.26	13.83
15	12.25	12.18	13.37	12.61	12.35	13.04	11.42	11.70	12.19	15.20	15.30	13.92
16	12.18	12.13	13.47	12.57	12.26	12.93	11.42	11.61	12.14	15.00	15.32	14.23
17	12.12	12.06	14.20	12.48	12.26	12.73	11.43	11.54	12.05	14.88	15.68	14.31
18	12.07	12.00	14.27	12.48	12.29	12.59	11.45	11.52	11.93	14.76	15.90	14.38
19	11.99	11.97	14.11	12.45	12.42	12.55	11.38	11.80	11.89	14.46	15.96	14.59
20	11.88	11.93	13.84	12.91	12.50	12.50	11.33	12.07	11.88	14.53	15.93	14.57
21	11.77	11.82	13.73	13.43	12.60	12.44	11.33	12.17	12.05	14.49	15.89	14.48
22	11.71	11.73	13.68	13.41	12.62	12.42	11.38	12.15	12.41	14.22	15.81	14.46
23	11.73	12.24	13.51	13.19	12.62	12.39	11.41	12.11	12.47	14.06	15.81	14.56
24	11.81	12.91	13.39	13.13	12.61	12.35	11.55	12.03	12.45	13.93	15.83	14.94
25	11.81	13.02	13.32	13.04	12.58	12.31	11.60	11.89	12.70	13.69	15.82	15.14
26	11.76	13.00	13.28	12.99	12.55	12.23	11.52	11.78	12.94	13.54	15.68	15.33
27	11.69	12.93	13.16	13.05	12.52	12.18	11.52	11.69	13.44	13.38	15.48	15.39
28	11.58	12.95	13.01	13.01	12.43	12.13	11.48	11.63	13.58	13.66	15.23	15.21
29	11.49	13.13	12.92	12.82	---	12.07	11.42	11.59	13.70	14.20	15.01	14.99
30	11.48	13.31	12.85	12.77	---	12.02	11.43	11.52	13.74	14.87	15.19	14.84
31	11.51	---	12.79	12.77	---	11.95	---	11.44	---	14.84	15.25	---
TOTAL	376.28	373.66	415.98	395.74	348.96	387.56	347.50	362.95	365.41	438.12	475.93	442.94
MEAN	12.14	12.46	13.42	12.77	12.46	12.50	11.58	11.71	12.18	14.13	15.35	14.76
MAX	12.88	13.31	14.27	13.43	12.69	13.13	12.00	12.17	13.74	15.20	15.96	15.69
MIN	11.48	11.58	12.79	12.45	12.26	11.95	11.33	11.17	11.36	13.27	14.66	13.72

BASE GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 219

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	275	e37	141	e8.0	e75	e.00	e.00	e.00	e39	496	738	895
2	213	e35	127	e.00	e56	e.00	e.00	e.00	e50	476	759	929
3	176	e62	100	e.00	e46	e.00	e.00	e.00	e64	457	838	964
4	257	172	e75.0	e.00	e33	e.00	e.00	e.00	e50	439	873	962
5	329	271	e67.0	e.00	e20	e.00	e.00	e.00	e37	428	867	931
6	339	315	119	e.00	e5.0	e.00	e.00	e.00	e45	453	853	891
7	333	309	152	e.00	e.00	e.00	e.00	e.00	e90	480	851	836
8	315	293	158	e.00	e.00	e.00	e.00	e.00	112	530	836	770
9	297	283	190	e.00	e8.0	e25	e.00	e.00	127	574	818	695
10	275	261	219	e14	e20	133	e.00	e.00	133	582	799	605
11	255	245	211	e10	e20	137	e.00	e.00	149	597	807	523
12	235	215	193	e12	e18	123	e.00	e.00	133	705	805	455
13	219	199	178	e16	e10	110	e.00	e.00	193	777	836	447
14	207	174	160	e25	e1.0	108	e.00	e.00	203	840	869	445
15	193	150	145	e20	e1.0	119	e.00	e.00	201	845	878	443
16	178	141	162	e14	e.00	e98	e.00	e.00	193	801	882	486
17	164	127	307	e.00	e.00	e60	e.00	e.00	176	775	962	482
18	152	116	321	e1.0	e.00	e33	e.00	e.00	152	751	1010	476
19	133	110	287	e.00	e7.0	e25	e.00	e.00	145	686	1020	498
20	110	102	233	e87	e20	e16	e.00	e67	145	701	1020	474
21	e85	e81	211	192	e39	e5.0	e.00	e96	178	693	1020	437
22	e71	e64	201	192	e43	e.00	e.00	102	249	637	1010	414
23	e73	e131	166	150	e41	e.00	e.00	104	261	603	991	416
24	e87	233	143	141	e39	e.00	e.00	e96	181	576	991	476
25	e83	229	127	127	e33	e.00	e.00	e79	206	528	996	498
26	e73	197	119	119	e25	e.00	e.00	e67	357	496	993	519
27	e56	154	e96.0	133	e20	e.00	e.00	e60	459	463	962	513
28	e35	129	e66.0	129	e.00	e.00	e.00	e56	490	523	917	457
29	e18	129	e48.0	e94	---	e.00	e.00	e56	515	637	814	394
30	e16	125	e33.0	e87	---	e.00	e.00	e50	523	781	853	345
31	e22	---	e22.0	e90	---	e.00	---	e43	---	777	867	---
TOTAL	5274	5089	4777.0	1661.00	580.00	992.00	0.00	876.00	5856	19107	27735	17676
MEAN	170	170	154	53.6	20.7	32.0	.000	28.3	195	616	895	589
MAX	339	315	321	192	75	137	.00	104	523	845	1020	964
MIN	16	35	22	.00	.00	.00	.00	.00	37	428	738	345
AC-FT	10460	10090	9480	3290	1150	1970	.00	1740	11620	37900	55010	35060

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1978, BY WATER YEAR (WY)

MEAN	170	170	154	53.6	20.7	32.0	.000	28.3	195	616	895	589
MAX	170	170	154	53.6	20.7	32.0	.000	28.3	195	616	895	589
(WY)	1978	1978	1978	1978	1978	1978	1978	1978	1978	1978	1978	1978
MIN	170	170	154	53.6	20.7	32.0	.000	28.3	195	616	895	589
(WY)	1978	1978	1978	1978	1978	1978	1978	1978	1978	1978	1978	1978

SUMMARY STATISTICS

FOR 1978 WATER YEAR

ANNUAL TOTAL	89623.00	
ANNUAL MEAN	246	
HIGHEST DAILY MEAN	1020	Aug 19
LOWEST DAILY MEAN	.00	Jan 2
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 2
ANNUAL RUNOFF (AC-FT)	177800	
10 PERCENT EXCEEDS	806	
50 PERCENT EXCEEDS	127	
90 PERCENT EXCEEDS	.00	

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.75	13.61	12.85	13.76	13.38	12.57	11.93	11.46	12.23	11.67	12.48	13.71
2	14.65	13.45	12.99	13.64	13.35	12.55	11.87	11.55	12.22	11.61	12.44	13.55
3	14.73	13.32	13.03	13.61	13.29	12.49	11.88	11.60	12.21	11.59	12.46	13.62
4	14.92	13.23	13.06	13.49	13.25	12.47	11.83	11.63	12.24	11.58	12.47	14.03
5	14.99	13.18	13.04	13.42	13.20	12.47	11.81	11.65	12.21	11.54	12.51	13.78
6	15.02	13.16	13.02	13.37	13.19	12.62	11.80	11.67	12.17	11.49	12.58	13.70
7	15.01	13.21	12.93	13.34	13.17	12.66	11.81	11.72	12.12	11.51	12.67	13.52
8	14.91	13.87	12.88	13.30	13.13	12.74	11.76	11.88	12.06	11.53	12.64	13.42
9	14.69	14.18	12.84	13.29	13.09	12.69	11.67	11.96	12.04	11.60	12.64	13.43
10	14.35	14.23	12.80	13.28	13.05	12.68	11.66	11.96	11.98	11.93	13.21	13.86
11	14.16	14.25	12.75	13.23	12.99	12.60	11.61	11.94	11.94	12.40	13.22	14.04
12	14.01	14.22	12.70	13.35	12.96	12.58	11.51	12.10	11.91	13.00	13.16	14.24
13	14.25	14.12	12.65	13.47	12.91	12.54	11.47	12.26	11.83	13.22	13.14	14.62
14	14.57	13.96	12.64	13.47	12.82	12.49	11.46	12.38	11.76	13.29	13.10	14.70
15	14.84	13.90	12.66	13.38	12.77	12.47	11.43	12.50	11.74	13.24	13.09	15.26
16	14.93	13.79	12.65	13.31	12.82	12.44	11.43	12.53	11.70	13.27	13.07	15.44
17	14.90	13.65	12.65	13.25	12.83	12.40	11.39	12.61	11.65	13.42	13.09	15.27
18	14.78	13.53	12.64	13.18	12.82	12.38	11.38	12.64	11.54	13.47	13.09	15.06
19	14.65	13.44	12.64	13.14	12.82	12.35	11.34	12.60	11.50	13.36	13.01	14.77
20	14.55	13.35	12.63	13.14	12.83	12.32	11.26	12.53	11.44	13.17	12.93	14.48
21	14.34	13.17	12.63	13.16	12.82	12.27	11.17	12.42	11.36	13.09	13.03	14.30
22	14.25	13.08	12.65	13.19	12.80	12.20	11.14	12.39	11.29	12.95	13.02	14.41
23	14.16	13.02	12.66	13.24	12.76	12.12	11.13	12.34	11.29	12.90	12.99	14.46
24	14.06	13.01	12.68	13.31	12.75	12.16	11.10	12.28	11.49	12.85	13.00	14.40
25	13.90	12.97	12.75	13.34	12.75	12.21	11.11	12.23	11.66	12.74	13.01	14.24
26	13.81	12.94	12.80	13.32	12.69	12.21	11.22	12.13	11.71	12.62	12.93	14.05
27	13.69	12.89	12.80	13.30	12.64	12.18	11.32	12.12	11.71	12.49	12.92	13.98
28	13.65	12.81	13.06	13.44	12.60	12.12	11.29	12.09	11.72	12.56	12.95	14.38
29	13.84	12.78	13.46	13.58	---	12.04	11.29	12.08	11.73	12.60	13.04	14.53
30	13.83	12.79	13.81	13.59	---	12.00	11.37	12.16	11.70	12.58	13.25	14.77
31	13.75	---	13.82	13.53	---	11.95	---	12.21	---	12.52	13.45	---
TOTAL	446.94	403.11	399.17	414.42	362.48	383.97	344.44	375.62	354.15	387.79	400.59	428.02
MEAN	14.42	13.44	12.88	13.37	12.95	12.39	11.48	12.12	11.80	12.51	12.92	14.27
MAX	15.02	14.25	13.82	13.76	13.38	12.74	11.93	12.64	12.24	13.47	13.45	15.44
MIN	13.65	12.78	12.63	13.14	12.60	11.95	11.10	11.46	11.29	11.49	12.44	13.42

BASE GAGE

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	313	174	e77	279	213	106	e43	e.00	e37	.00	150	474
2	279	143	106	255	209	102	e31	e.00	e35	.00	145	443
3	295	119	116	251	199	e94	e33	e.00	e33	.00	150	459
4	333	104	121	227	193	e92	e24	e.00	e39	.00	154	549
5	347	e96	109	215	186	e94	e20	e.00	e33	.00	164	498
6	353	e94	114	205	188	125	e18	e.00	e25	.00	182	484
7	351	106	e98	201	184	135	e20	e.00	e16	.00	201	451
8	331	237	e94	193	178	127	e10	e10	e5.0	.00	197	432
9	287	301	e81	193	172	145	e.00	e8.0	e1.0	.00	201	437
10	219	313	e75	192	166	123	e.00	e5.0	e.00	.00	319	530
11	182	319	e66	182	156	131	e.00	e.00	e.00	81	323	572
12	152	315	e56	205	152	129	e.00	e25	e.00	201	313	624
13	199	297	e48	229	145	123	e.00	e54	e.00	247	311	703
14	263	265	e46	229	129	116	e.00	e75	e.00	263	305	723
15	317	255	e50	211	119	114	e.00	e96	e.00	257	305	847
16	335	235	e50	197	131	110	e.00	e98	e.00	265	297	891
17	329	209	e50	186	135	104	e.00	112	e.00	297	311	858
18	305	188	e48	172	135	102	e.00	116	e.00	311	313	816
19	287	172	e50	164	137	e98	e.00	108	e.00	291	299	757
20	273	154	e48	164	139	e94	e.00	e94	e.00	255	285	699
21	237	121	e48	168	139	e87	e.00	e73	e.00	243	307	665
22	225	106	e54	174	137	e75	e.00	e67	e.00	217	309	693
23	213	e96	e56	184	131	e62	e.00	e58	e.00	209	305	708
24	201	e96	e60	197	131	e71	e.00	e46	e.00	203	309	699
25	178	e89	e75	203	133	e83	e.00	e37	e.00	184	313	669
26	168	e85	e85	199	123	e85	e.00	e18	e.00	162	299	633
27	152	e77	e87	195	116	e81	e.00	e16	e.00	141	301	622
28	152	e64	137	223	110	e71	e.00	e10	e.00	156	309	712
29	197	e60	215	251	---	e58	e.00	e8.0	e.00	166	329	749
30	203	e64	287	253	---	e52	e.00	e24	e.00	166	373	805
31	195	---	289	241	---	e45	---	e33	---	156	416	---
TOTAL	7871	4954	2896	6438	4286	3034	199.00	1191.00	224.00	4471.00	8495	19202
MEAN	254	165	93.4	208	153	97.9	6.63	38.4	7.47	144	274	640
MAX	353	319	289	279	213	145	43	116	39	311	416	891
MIN	152	60	46	164	110	45	.00	.00	.00	.00	145	432
AC-FT	15610	9830	5740	12770	8500	6020	395	2360	444	8870	16850	38090

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1979, BY WATER YEAR (WY)

MEAN	212	167	124	131	86.9	64.9	3.32	33.3	101	380	584	615
MAX	254	170	154	208	153	97.9	6.63	38.4	195	616	895	640
(WY)	1979	1978	1978	1979	1979	1979	1979	1979	1978	1978	1978	1979
MIN	170	165	93.4	53.6	20.7	32.0	.000	28.3	7.47	144	274	589
(WY)	1978	1979	1979	1978	1978	1978	1978	1978	1979	1979	1979	1978

SUMMARY STATISTICS

FOR 1978 CALENDAR YEAR

FOR 1979 WATER YEAR

WATER YEARS 1978 - 1979

ANNUAL TOTAL	90204.00	63261.00	
ANNUAL MEAN	247	173	209
HIGHEST ANNUAL MEAN			246
LOWEST ANNUAL MEAN			173
HIGHEST DAILY MEAN	1020	891	1020
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.00	.00	.00
ANNUAL RUNOFF (AC-FT)	178900	125500	151700
10 PERCENT EXCEEDS	806	334	620
50 PERCENT EXCEEDS	110	135	129
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.10	13.08	13.03	13.02	15.15	13.10	12.70	12.77	12.40	11.90	12.56	12.15
2	15.12	13.12	12.99	13.00	14.90	14.18	12.73	12.70	12.34	11.92	12.50	12.10
3	15.07	13.30	12.99	12.98	14.64	14.55	12.82	12.70	12.25	12.00	12.50	12.55
4	15.12	13.50	12.98	12.96	14.30	14.57	12.85	12.68	12.20	12.07	12.58	13.55
5	15.25	13.48	12.99	12.95	13.70	14.48	12.83	12.63	12.20	12.06	12.56	13.37
6	15.25	13.39	13.00	12.93	13.46	14.30	12.84	12.60	12.15	12.06	12.57	13.09
7	15.20	13.35	13.20	12.90	13.27	14.07	12.92	12.57	12.10	12.07	12.57	12.95
8	---	13.28	13.55	12.90	13.20	13.68	13.60	12.52	12.08	12.17	12.50	12.87
9	---	13.24	13.95	12.90	13.37	13.48	13.93	12.48	12.04	12.35	12.44	12.67
10	---	13.23	14.30	12.90	13.65	13.35	13.97	12.40	12.01	12.49	12.52	12.31
11	---	13.20	14.27	12.91	13.55	13.30	13.95	12.15	12.00	12.50	12.58	12.18
12	---	13.20	14.25	12.90	13.38	13.28	13.88	12.02	11.99	12.49	12.68	12.27
13	---	13.27	14.12	12.98	13.17	13.27	13.75	---	12.12	12.41	12.95	13.17
14	---	13.28	13.88	13.05	13.10	13.20	13.56	---	12.18	12.35	13.05	13.30
15	---	13.32	13.77	13.03	13.13	13.18	13.28	---	12.25	12.33	13.12	13.26
16	---	13.35	13.67	13.03	13.24	13.15	13.18	---	12.24	12.37	13.12	13.28
17	---	13.35	13.58	13.03	13.30	13.12	13.08	---	12.24	12.42	13.15	13.35
18	---	13.34	13.48	13.01	13.28	13.10	13.02	---	12.25	12.60	12.95	13.37
19	14.50	13.32	13.40	13.00	13.25	13.07	13.14	---	12.24	12.80	12.00	13.32
20	14.05	13.30	13.33	12.97	13.22	13.03	13.27	---	12.23	12.92	11.67	13.25
21	13.90	13.27	13.30	12.93	13.20	13.00	13.35	---	12.18	12.88	11.85	13.18
22	13.78	13.22	13.24	12.87	13.18	12.95	13.30	---	12.16	12.85	11.57	13.10
23	13.60	13.18	13.20	12.92	13.15	12.90	13.18	---	12.13	12.82	11.85	12.98
24	13.45	13.16	13.19	13.01	13.12	12.86	13.10	---	12.08	12.85	12.48	12.96
25	13.35	13.16	13.16	13.02	13.10	12.87	13.08	---	12.08	12.85	12.58	12.96
26	13.28	13.15	13.15	13.02	13.09	12.82	13.07	---	12.06	12.88	12.20	13.00
27	13.23	13.14	13.11	13.73	13.08	12.82	13.05	---	12.03	12.87	12.13	13.02
28	13.18	13.15	13.08	14.80	13.05	12.80	13.02	---	12.00	12.80	11.90	13.00
29	13.17	13.12	13.07	15.10	13.03	12.75	12.97	---	11.95	12.73	11.76	12.95
30	13.12	13.09	13.05	15.15	---	12.72	12.94	---	11.91	12.68	11.63	12.88
31	13.10	---	13.04	15.25	---	12.74	---	---	---	12.62	11.87	---
TOTAL	---	397.54	415.32	411.15	390.26	412.69	396.36	---	364.09	387.11	384.39	388.39
MEAN	---	13.25	13.40	13.26	13.46	13.31	13.21	---	12.14	12.49	12.40	12.95
MAX	---	13.50	14.30	15.25	15.15	14.57	13.97	---	12.40	12.92	13.15	13.55
MIN	---	13.08	12.98	12.87	13.03	12.72	12.70	---	11.91	11.90	11.57	12.10

BASE GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 223

02289030 (262310080555001) LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.19	13.11	---	12.97	14.31	12.98	12.67	12.76	12.36	11.84	12.57	12.03
2	14.19	13.14	---	12.94	14.10	13.63	12.68	12.69	12.28	11.88	12.49	11.80
3	14.13	13.33	---	12.92	13.92	13.96	12.75	12.67	12.23	11.99	12.50	11.98
4	14.17	13.30	---	12.91	13.71	13.99	---	12.64	12.17	12.04	12.58	12.93
5	14.25	13.27	---	12.92	13.33	13.94	---	12.61	12.17	12.03	12.57	12.69
6	14.24	13.24	---	12.91	13.16	13.84	---	12.59	---	12.03	12.57	12.44
7	14.15	13.18	13.13	12.86	13.06	13.71	---	12.55	---	12.06	12.55	12.27
8	14.06	13.13	13.34	12.85	13.03	13.45	---	12.50	---	12.16	12.48	12.11
9	13.92	13.09	13.61	12.86	13.17	13.32	---	12.47	---	12.34	12.44	11.95
10	13.75	13.06	13.84	12.86	13.37	13.23	---	12.39	---	12.48	12.50	11.58
11	13.73	13.05	13.82	12.85	13.33	13.20	---	12.16	---	12.48	12.56	11.42
12	13.99	---	13.80	12.87	13.24	13.18	---	12.03	---	12.46	12.66	11.72
13	13.91	---	13.72	12.92	13.08	13.17	---	12.10	---	12.37	12.87	12.97
14	13.89	---	13.57	12.98	13.03	13.14	---	12.14	---	12.31	12.98	13.16
15	13.83	---	13.50	12.99	13.05	13.10	---	12.25	---	12.33	13.05	13.15
16	13.92	---	13.43	12.97	13.12	13.08	---	12.25	---	12.36	13.05	13.16
17	14.09	---	13.38	12.97	13.17	13.04	---	12.26	---	12.46	13.08	13.23
18	14.07	---	13.32	12.95	13.18	13.04	---	12.14	---	12.71	12.89	13.26
19	13.96	---	13.26	12.95	13.16	13.02	---	12.16	---	12.78	11.74	13.24
20	13.73	---	13.22	12.92	13.13	12.97	---	12.24	---	12.80	11.41	13.19
21	13.62	---	13.18	12.89	13.11	12.94	---	12.35	---	12.81	11.69	13.15
22	13.53	---	13.14	12.82	13.10	12.91	---	12.41	---	12.84	11.38	13.11
23	13.40	---	13.11	12.85	13.08	12.86	---	12.48	---	12.85	11.70	13.02
24	13.29	---	13.09	12.97	13.05	12.83	---	12.61	---	12.80	12.29	12.98
25	13.27	---	13.07	12.97	13.02	12.83	---	12.65	---	12.73	12.36	12.98
26	13.26	---	13.05	12.95	13.05	12.81	---	12.71	---	12.66	11.96	13.01
27	13.23	---	13.03	13.37	13.02	12.77	---	12.73	---	12.62	11.95	13.04
28	13.22	---	13.01	14.08	13.00	12.73	---	12.67	---	12.56	11.73	13.04
29	13.16	---	13.00	14.33	12.98	12.72	---	12.59	---	12.50	11.62	12.99
30	13.11	---	12.99	14.42	---	12.69	---	12.50	11.89	12.52	11.48	12.92
31	13.09	---	12.97	14.41	---	12.69	---	12.41	---	12.58	11.75	---
TOTAL	426.35	---	---	406.43	384.06	407.77	---	385.71	---	385.38	381.45	380.52
MEAN	13.75	---	---	13.11	13.24	13.15	---	12.44	---	12.43	12.30	12.68
MAX	14.25	---	---	14.42	14.31	13.99	---	12.76	---	12.85	13.08	13.26
MIN	13.09	---	---	12.82	12.98	12.69	---	12.03	---	11.84	11.38	11.42

AUXILIARY GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	734	---	---	e69	716	152	e40	e14	e49	e59	e-14	116
2	744	---	---	e81	671	502	e65	e14	e69	e41	e13	200
3	742	---	---	e81	613	558	e90	e40	e24	e11	e.00	316
4	752	---	---	e68	530	557	---	e52	e35	e34	e.00	450
5	788	253	---	e42	376	531	---	e27	e35	e33	e-14	445
6	793	193	---	e28	317	476	---	e13	---	e33	e.00	403
7	805	211	e97	e55	241	401	---	e26	---	e12	e26	395
8	---	189	256	e67	204	280	---	e26	---	e12	e26	418
9	---	187	379	e55	238	206	---	e13	---	e13	e.00	380
10	---	205	476	e55	317	160	---	e13	---	e13	e26	353
11	---	185	469	e80	265	136	---	e-12	---	e26	e26	364
12	---	---	467	e42	182	135	---	e-12	---	e38	e27	278
13	---	---	429	e81	121	135	---	---	---	e49	104	228
14	---	---	354	e94	e95	e85	---	---	---	e48	e94	179
15	---	---	318	e56	108	109	---	---	---	e.00	e96	146
16	---	---	288	e82	156	e96	---	---	---	e13	e96	158
17	---	---	249	e82	169	108	---	---	---	e-56	e96	160
18	---	---	206	e82	135	e83	---	---	---	-180	e81	149
19	533	---	183	e69	123	e70	---	---	---	e28	178	112
20	373	---	148	e68	122	e82	---	---	---	146	146	e85
21	334	---	158	e55	122	e81	---	---	---	e91	124	e44
22	303	---	134	e67	109	e55	---	---	---	e14	116	e-15
23	250	---	122	e92	e96	e55	---	---	---	e-45	119	e-63
24	205	---	133	e56	e96	e41	---	---	---	e67	181	e-30
25	113	---	121	e69	107	e54	---	---	---	143	206	e-30
26	---	---	132	e94	e57	e14	---	---	---	226	188	e-15
27	---	---	108	373	e83	e66	---	---	---	244	153	e-31
28	---	---	e95	633	e70	e90	---	---	---	233	133	e-63
29	---	---	e95	687	e69	e40	---	---	---	222	108	e-63
30	---	---	e82	679	---	e40	---	---	e21	171	105	e-62
31	---	---	e94	729	---	e65	---	---	---	e51	103	---
TOTAL	---	---	---	4871	6508	5463	---	---	---	1790.00	2543.00	5007
MEAN	---	---	---	157	224	176	---	---	---	57.7	82.0	167
MAX	---	---	---	729	716	558	---	---	---	244	206	450
MIN	---	---	---	28	57	14	---	---	---	-180	-14	-63
AC-FT	---	---	---	9660	12910	10840	---	---	---	3550	5040	9930

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1980, BY WATER YEAR (WY)

MEAN	212	167	124	139	134	102	3.32	33.3	101	273	417	465
MAX	254	170	154	208	224	176	6.63	38.4	195	616	895	640
(WY)	1979	1978	1978	1979	1980	1980	1979	1978	1978	1978	1978	1979
MIN	170	165	93.4	53.6	20.7	32.0	.000	28.3	7.47	57.7	82.0	167
(WY)	1978	1979	1979	1978	1978	1978	1978	1978	1979	1980	1980	1980

SUMMARY STATISTICS

WATER YEARS 1978 - 1980

ANNUAL MEAN	209	
HIGHEST ANNUAL MEAN	246	1978
LOWEST ANNUAL MEAN	173	1979
HIGHEST DAILY MEAN	1020	Aug 19 1978
LOWEST DAILY MEAN	-180	Jul 18 1980
ANNUAL SEVEN-DAY MINIMUM	-42	Sep 23 1980
ANNUAL RUNOFF (AC-FT)	151700	
10 PERCENT EXCEEDS	533	
50 PERCENT EXCEEDS	121	
90 PERCENT EXCEEDS	.00	

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 225

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.80	12.23	12.25	11.57	11.45	12.20	11.28	10.38	9.85	10.83	11.25	12.87
2	12.75	12.20	12.23	11.50	11.40	12.15	11.18	10.39	9.94	10.75	11.25	12.80
3	12.70	12.20	12.20	11.47	11.38	12.15	11.15	10.40	10.03	10.68	11.25	12.62
4	12.66	12.15	12.18	11.45	11.40	12.18	11.10	10.41	10.00	10.65	11.30	12.48
5	12.62	12.00	12.12	11.43	11.43	12.12	11.07	10.37	10.00	10.74	11.34	12.50
6	12.55	11.82	12.05	11.42	11.48	12.10	11.02	10.32	9.95	10.76	11.40	12.53
7	12.48	11.67	11.98	11.44	11.50	12.08	11.06	10.32	9.93	10.76	11.42	12.50
8	12.42	11.53	11.92	11.45	11.55	12.08	11.05	10.26	9.95	10.70	11.41	12.28
9	12.38	11.60	11.82	11.44	11.68	12.00	11.03	10.28	10.15	10.65	11.46	11.97
10	12.32	11.67	11.74	11.38	11.78	11.90	11.03	10.24	10.43	10.62	11.49	12.45
11	12.25	11.67	11.76	11.38	11.73	11.82	11.00	10.22	10.56	10.57	11.65	12.98
12	12.18	11.64	11.69	11.33	11.77	11.78	11.00	10.18	10.77	10.52	11.98	12.90
13	12.16	11.73	11.63	11.32	11.83	11.75	10.98	10.15	10.83	10.45	12.13	12.84
14	12.15	11.90	11.58	11.32	11.84	11.68	10.90	10.13	10.81	10.42	12.50	12.92
15	12.13	12.08	11.55	11.29	11.79	11.68	10.82	10.05	10.73	10.32	12.60	12.60
16	12.08	12.10	11.60	11.25	11.78	11.60	10.80	10.00	10.66	10.25	12.60	12.15
17	12.05	12.08	11.68	11.25	11.77	11.60	10.78	9.99	10.55	10.20	12.62	12.29
18	12.01	12.10	11.77	11.25	11.78	11.53	10.77	9.98	10.47	10.20	12.70	12.43
19	11.98	12.10	11.82	11.28	12.10	11.40	10.78	9.93	10.38	10.17	12.78	12.52
20	11.93	12.08	11.78	11.30	12.48	11.38	10.78	9.88	10.28	10.17	12.78	12.36
21	11.90	12.05	11.78	11.27	12.60	11.38	10.73	9.85	10.28	10.32	12.79	12.32
22	11.88	12.08	11.80	11.28	12.62	11.40	10.70	9.83	10.43	10.50	12.78	12.59
23	11.83	12.06	11.85	11.28	12.58	11.42	10.68	9.80	10.65	10.67	12.78	13.24
24	11.97	12.08	11.90	11.33	12.53	11.48	10.65	9.78	10.73	10.82	12.78	13.15
25	12.05	12.08	11.92	11.40	12.49	11.55	10.60	9.78	10.77	10.97	12.73	12.88
26	12.10	12.03	11.92	11.43	12.43	11.55	10.58	9.75	10.78	11.02	12.66	12.52
27	12.05	11.97	11.85	11.48	12.37	11.53	10.53	9.73	10.82	11.05	12.65	12.20
28	12.04	12.08	11.80	11.46	12.30	11.50	10.50	9.74	10.87	11.10	12.63	11.99
29	12.14	12.20	11.73	11.47	---	11.51	10.47	9.68	10.91	11.17	12.83	11.98
30	12.20	12.25	11.68	11.47	---	11.42	10.42	9.68	10.90	11.20	12.97	11.77
31	12.25	---	11.62	11.45	---	11.35	---	9.77	---	11.25	12.93	---
TOTAL	379.01	359.43	367.20	352.84	333.84	363.27	325.44	311.27	313.41	330.48	378.44	375.63
MEAN	12.23	11.98	11.85	11.38	11.92	11.72	10.85	10.04	10.45	10.66	12.21	12.52
MAX	12.80	12.25	12.25	11.57	12.62	12.20	11.28	10.41	10.91	11.25	12.97	13.24
MIN	11.83	11.53	11.55	11.25	11.38	11.35	10.42	9.68	9.85	10.17	11.25	11.77

BASE GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289030 (262310080555001) LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.85	12.19	12.21	11.54	11.38	12.16	11.23	10.33	9.70	---	11.17	12.48
2	12.77	12.17	12.20	11.48	11.33	12.11	11.17	10.31	9.75	10.74	11.16	12.42
3	12.74	12.15	12.19	11.43	11.38	12.13	11.09	10.34	9.79	10.63	11.17	12.25
4	12.71	12.08	12.17	11.43	11.39	12.10	11.04	10.29	9.82	10.58	11.22	12.13
5	12.67	11.97	12.09	11.43	11.41	12.05	11.00	10.25	9.81	10.66	11.27	12.15
6	12.60	11.79	12.01	11.39	11.43	12.05	11.00	10.18	---	10.68	11.32	12.22
7	12.54	11.63	11.95	11.38	11.44	12.05	11.02	10.15	9.77	10.61	11.34	12.18
8	12.48	11.49	11.89	11.42	11.49	12.03	10.99	10.16	9.78	10.56	11.36	11.95
9	12.46	11.46	11.77	11.42	11.64	11.95	10.97	10.15	9.81	10.52	11.37	11.58
10	12.39	11.49	11.70	11.38	11.67	11.84	10.97	10.13	9.97	10.45	11.41	11.98
11	12.32	11.56	11.74	11.37	11.67	11.78	10.95	10.09	10.22	10.42	11.54	12.49
12	12.24	11.63	11.69	11.35	11.78	11.74	10.94	10.06	10.38	---	11.86	12.47
13	12.21	11.60	11.62	11.32	11.84	11.69	10.93	10.03	10.55	10.39	12.05	12.55
14	12.20	11.57	11.54	11.27	11.82	11.67	10.87	9.99	10.61	10.38	12.43	12.69
15	12.17	11.66	11.52	11.25	11.75	11.63	10.79	9.95	10.53	10.29	12.54	12.28
16	12.13	11.83	11.54	11.22	11.72	11.59	10.76	9.94	10.46	10.23	12.50	11.82
17	12.09	12.00	11.64	11.27	11.70	11.56	10.73	9.94	---	10.16	12.20	12.00
18	12.05	12.05	11.74	11.27	11.72	11.47	10.71	9.90	10.38	10.15	12.07	12.11
19	12.02	12.08	11.77	11.24	12.04	11.38	10.72	9.83	10.29	10.12	12.10	12.22
20	11.98	12.04	11.76	11.24	12.43	11.35	10.73	9.79	10.08	10.15	12.09	11.97
21	11.95	12.04	11.76	11.24	12.56	11.33	10.69	9.78	10.09	10.27	12.20	12.06
22	11.77	12.04	11.76	11.26	12.58	11.28	10.66	9.73	10.26	10.44	12.23	12.29
23	11.77	12.01	11.81	11.27	12.55	11.38	10.63	9.69	10.53	10.60	12.33	12.85
24	11.91	12.01	11.88	11.31	12.50	11.46	10.59	9.64	10.61	10.76	12.38	12.79
25	12.02	12.05	11.90	11.40	12.44	11.50	10.55	9.61	10.65	10.90	12.41	12.59
26	12.05	11.98	11.92	11.42	12.40	11.49	10.54	9.62	10.73	10.97	12.36	12.24
27	11.99	11.93	11.85	11.43	12.33	11.46	10.49	9.61	10.80	11.01	12.33	11.94
28	11.96	12.05	11.78	11.42	12.24	11.45	10.47	9.56	10.83	11.07	12.32	11.78
29	12.08	12.19	11.72	11.45	---	11.41	10.44	9.56	---	11.10	12.61	11.83
30	12.14	12.22	11.65	11.43	---	11.34	10.38	9.56	---	11.11	12.62	11.54
31	12.20	---	11.59	11.41	---	11.28	---	9.61	---	11.16	12.56	---
TOTAL	379.46	356.96	366.36	352.14	332.63	361.71	324.05	307.78	---	---	370.52	365.85
MEAN	12.24	11.90	11.82	11.36	11.88	11.67	10.80	9.93	---	---	11.95	12.19
MAX	12.85	12.22	12.21	11.54	12.58	12.16	11.23	10.34	---	---	12.62	12.85
MIN	11.77	11.46	11.52	11.22	11.33	11.28	10.38	9.56	---	---	11.16	11.54

AUXILIARY GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 227

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e-77	e46	e47	e27	e53	e46	e35	e.00	e.00	e45	e50	306
2	e-29	e35	e35	e18	e51	e45	e7.0	e.00	e.00	e33	e55	296
3	e-60	e56	e12	e33	e.00	e23	e36	e.00	e.00	e5.0	e50	274
4	e-75	e74	e12	e17	e8.0	e84	e34	e.00	e.00	e-8.0	e52	253
5	e-75	e33	e34	e.00	e17	e74	e37	e.00	e.00	e28	e48	256
6	e-74	e30	e44	e24	e40	e54	e11	e.00	e.00	e37	e57	245
7	e-88	e37	e32	e46	e48	e34	e23	e.00	e.00	e39	e58	245
8	e-87	e34	e32	e25	e49	e54	e32	e.00	e.00	e32	e38	227
9	-119	e99	e49	e17	e37	e52	e31	e.00	e.00	e24	e65	207
10	-101	121	e38	e.00	e92	e59	e31	e.00	e.00	e18	e60	281
11	e-99	e87	e20	e8.0	e55	e40	e25	e.00	e1.0	e11	e86	348
12	e-82	e10	e.00	e-17	e-11	e39	e29	e.00	e34	---	108	322
13	e-67	101	e10	e.00	e-11	e55	e25	e.00	e53	e.00	e83	263
14	e-67	187	e35	e36	e21	e10	e14	e.00	e55	e.00	e83	235
15	e-52	226	e27	e29	e39	e45	e12	e.00	e33	e.00	e74	255
16	e-65	191	e51	e21	e56	e10	e14	e.00	e28	e.00	116	214
17	e-51	e81	e37	e-16	e64	e36	e16	e.00	e11	e.00	288	215
18	e-50	e54	e30	e-16	e56	e49	e18	e.00	e.00	e.00	351	239
19	e-50	e23	e49	e29	e64	e16	e19	e.00	e.00	e.00	376	240
20	e-62	e44	e20	e41	e61	e24	e16	e.00	e.00	e.00	380	252
21	e-62	e12	e20	e22	e51	e38	e11	e.00	e.00	e.00	350	206
22	e97	e44	e39	e15	e51	e77	e10	e.00	e.00	e2.0	339	246
23	e57	e54	e40	e8.0	e39	e32	e11	e.00	e.00	e14	314	343
24	e61	e73	e21	e16	e38	e17	e11	e.00	e.00	e21	300	322
25	e33	e34	e22	e.00	e61	e42	e7.0	e.00	e-12	e32	267	266
26	e54	e53	e.00	e9.0	e37	e49	e5.0	e.00	e-23	e26	252	232
27	e63	e42	e.00	e40	e48	e56	e3.0	e.00	e8.0	e22	259	196
28	e80	e34	e21	e33	e68	e41	e1.0	e.00	e17	e18	254	158
29	e65	e12	e10	e17	---	e73	e.00	e.00	---	e41	222	127
30	e66	e36	e28	e33	---	e58	e.00	e.00	e48	e52	301	147
31	e57	---	e28	e32	---	e49	---	e.00	---	e55	305	---
TOTAL	-859	1963	843.00	547.00	1182.00	1381	524.00	0.00	---	---	5641	7416
MEAN	-27.7	65.4	27.2	17.6	42.2	44.5	17.5	.000	---	---	182	247
MAX	97	226	51	46	92	84	37	.00	---	---	380	348
MIN	-119	10	.00	-17	-11	10	.00	.00	---	---	38	127
AC-FT	-1700	3890	1670	1080	2340	2740	1040	.00	---	---	11190	14710

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1981, BY WATER YEAR (WY)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
MEAN	132	133	91.6	109	111	87.7	8.03	22.2	101	273	358	411
MAX	254	170	154	208	224	176	17.5	38.4	195	616	895	640
(WY)	1979	1978	1978	1979	1980	1980	1981	1979	1978	1978	1978	1979
MIN	-27.7	65.4	27.2	17.6	20.7	32.0	.000	.000	7.47	57.7	82.0	167
(WY)	1981	1981	1981	1981	1978	1978	1978	1981	1979	1980	1980	1980

SUMMARY STATISTICS

WATER YEARS 1978 - 1981

ANNUAL MEAN	209	
HIGHEST ANNUAL MEAN	246	1978
LOWEST ANNUAL MEAN	173	1979
HIGHEST DAILY MEAN	1020	Aug 19 1978
LOWEST DAILY MEAN	-180	Jul 18 1980
ANNUAL SEVEN-DAY MINIMUM	-93	Oct 6 1980
ANNUAL RUNOFF (AC-FT)	151700	
10 PERCENT EXCEEDS	456	
50 PERCENT EXCEEDS	80	
90 PERCENT EXCEEDS	.00	

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.65	11.41	11.74	11.18	10.60	10.61	11.06	11.31	15.42	18.10	15.77	13.67
2	11.83	11.40	11.71	11.21	10.67	10.54	11.19	11.36	15.58	18.06	15.54	13.70
3	12.31	11.37	11.67	11.19	10.67	10.54	11.23	11.35	15.80	17.96	15.32	13.58
4	12.54	11.35	11.68	11.17	10.66	10.58	11.19	11.35	15.87	17.90	15.14	13.45
5	12.64	11.97	11.65	11.13	10.68	10.61	11.21	11.35	15.96	17.80	14.90	13.44
6	12.58	12.63	11.60	11.16	10.65	10.66	11.14	11.35	16.02	17.79	15.05	13.72
7	12.55	12.68	11.56	11.15	10.65	10.76	11.05	11.30	16.04	17.73	15.11	13.89
8	12.55	12.62	11.53	11.12	10.70	10.77	11.04	11.20	16.00	17.68	15.10	13.89
9	12.48	12.56	11.64	11.06	10.76	10.88	10.92	11.12	15.90	17.59	14.90	13.77
10	12.42	12.56	11.66	11.04	10.76	10.95	10.82	11.06	15.81	17.48	14.78	13.84
11	12.38	12.59	11.59	11.03	10.76	11.03	10.79	11.06	15.75	17.38	15.07	13.96
12	12.33	12.59	11.56	11.05	10.83	11.17	10.79	10.93	15.64	17.26	15.20	13.92
13	12.27	12.59	11.50	11.04	10.80	11.23	10.78	10.92	15.48	17.09	15.46	14.11
14	12.24	12.54	11.48	10.98	10.81	11.26	10.74	10.86	15.32	16.97	15.69	14.16
15	12.17	12.51	11.44	10.98	10.84	11.26	10.72	10.79	15.13	17.17	15.79	14.02
16	12.13	12.46	11.44	10.99	10.85	11.27	10.69	10.75	15.02	17.24	15.95	13.81
17	12.06	12.42	11.45	10.99	10.88	11.25	10.70	10.67	15.35	17.23	15.92	13.64
18	12.01	12.37	11.44	11.00	10.92	11.22	10.71	10.61	16.10	17.15	15.84	13.52
19	11.96	12.29	11.36	10.98	10.99	11.19	10.72	10.51	17.15	17.03	15.93	13.44
20	11.89	12.23	11.37	10.96	11.01	11.14	10.73	10.46	17.48	16.90	16.09	13.38
21	11.80	12.17	11.37	10.94	11.02	11.06	10.73	10.44	17.53	16.81	16.12	13.32
22	11.71	12.12	11.35	10.94	10.87	10.94	10.75	10.40	17.57	16.67	16.07	13.43
23	11.60	12.05	11.31	10.92	10.83	10.87	10.78	10.41	17.82	16.52	15.93	13.74
24	11.64	12.01	11.33	10.89	10.82	10.85	10.82	10.43	18.22	16.42	15.75	13.70
25	11.64	11.99	11.31	10.80	10.79	10.80	10.84	10.47	18.45	16.32	15.47	13.77
26	11.62	11.96	11.28	10.70	10.79	10.80	10.89	10.67	18.46	16.25	15.14	14.91
27	11.55	11.92	11.28	10.69	10.74	10.77	11.05	11.81	18.38	16.11	14.73	15.81
28	11.50	11.87	11.28	10.62	10.70	10.73	11.15	13.94	18.29	16.10	14.18	16.07
29	11.48	11.81	11.24	10.59	---	10.81	11.21	15.19	18.23	16.25	13.64	16.12
30	11.46	11.78	11.23	10.55	---	10.91	11.27	15.63	18.15	16.20	13.09	15.94
31	11.44	---	11.22	10.54	---	10.98	---	15.52	---	15.98	12.96	---
TOTAL	372.43	364.82	355.27	339.59	302.05	338.44	327.71	355.22	497.92	529.14	471.63	421.72
MEAN	12.01	12.16	11.46	10.95	10.79	10.92	10.92	11.46	16.60	17.07	15.21	14.06
MAX	12.64	12.68	11.74	11.21	11.02	11.27	11.27	15.63	18.46	18.10	16.12	16.12
MIN	11.44	11.35	11.22	10.54	10.60	10.54	10.69	10.40	15.02	15.98	12.96	13.32

BASE GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 229

02289030 (262310080555001) LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.56	11.43	---	---	---	10.60	---	---	---	---	14.44	13.26
2	11.82	11.39	11.69	11.17	10.52	10.56	---	11.31	14.29	16.17	14.26	13.31
3	12.35	11.35	11.70	11.15	10.54	10.51	---	11.32	14.42	16.09	14.10	---
4	12.56	11.36	11.68	11.13	10.56	---	---	11.34	14.45	16.00	13.94	---
5	12.63	11.93	11.65	11.13	10.57	---	---	11.35	14.50	15.93	13.78	---
6	12.59	12.62	11.60	11.13	10.57	---	---	11.32	14.50	15.98	13.90	---
7	12.58	12.64	11.55	11.11	10.59	---	---	11.28	14.48	15.95	13.96	---
8	12.55	12.60	11.51	11.09	10.62	---	10.93	11.20	14.49	15.89	13.90	---
9	12.49	12.56	11.62	11.07	10.64	---	10.85	11.14	14.40	15.79	13.75	---
10	12.44	12.55	11.66	11.04	10.65	---	10.79	11.10	14.32	15.70	13.74	---
11	12.39	12.60	11.60	11.02	10.68	---	10.77	11.06	14.38	15.60	13.97	---
12	12.35	12.61	11.54	11.00	10.72	---	10.76	10.94	14.16	15.53	14.07	---
13	12.30	12.58	11.49	10.97	10.72	---	10.71	10.90	14.06	15.42	14.13	---
14	12.26	12.55	11.44	10.95	10.73	---	10.65	10.84	13.98	15.32	14.29	---
15	12.21	12.50	11.42	11.00	10.73	---	10.59	10.78	13.86	15.48	14.36	---
16	12.15	12.46	11.44	11.00	10.71	---	10.58	10.73	13.81	15.59	14.54	---
17	12.07	12.42	11.44	10.99	10.76	---	10.59	10.68	14.10	15.61	14.58	---
18	12.00	12.37	11.43	10.97	10.87	---	10.58	10.61	14.60	15.54	14.47	---
19	11.97	12.31	11.41	10.95	10.93	---	10.58	10.53	15.54	15.43	14.54	---
20	11.90	12.25	11.39	10.94	10.96	---	10.57	10.47	15.85	15.31	14.63	---
21	11.80	12.20	11.36	10.93	10.97	---	10.57	10.42	15.90	15.22	14.65	---
22	11.70	12.14	11.32	10.91	10.94	---	10.57	10.38	15.90	15.11	14.60	---
23	11.63	12.07	11.30	10.87	10.87	---	10.61	10.40	16.16	14.99	14.49	---
24	11.65	12.01	11.30	10.85	10.81	---	10.68	10.42	16.48	14.91	14.35	---
25	11.65	11.99	11.28	10.84	10.77	---	10.74	10.45	16.65	14.83	14.13	---
26	11.61	11.95	11.27	10.76	10.74	---	10.74	10.63	16.65	14.78	13.92	---
27	11.56	11.92	11.25	10.72	10.69	---	10.87	11.46	16.58	14.66	13.65	---
28	11.51	11.88	11.24	10.67	10.65	---	11.03	13.43	16.49	14.71	13.22	---
29	11.48	11.83	11.22	10.61	---	---	11.16	14.17	16.42	14.79	12.78	---
30	11.48	---	11.21	10.55	---	---	---	14.32	---	14.76	12.32	---
31	11.45	---	---	---	---	---	---	---	---	14.61	12.41	---
TOTAL	372.69	---	---	---	---	---	---	---	---	---	433.87	---
MEAN	12.02	---	---	---	---	---	---	---	---	---	14.00	---
MAX	12.63	---	---	---	---	---	---	---	---	---	14.65	---
MIN	11.45	---	---	---	---	---	---	---	---	---	12.32	---

AUXILIARY GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e73	e-18	e10	7.0	e14	e2.0	---	e23	---	1660	1040	393
2	e11	e8.0	e20	27	e23	e-2.0	---	e37	---	1650	984	386
3	e-55	e16	e-32	26	e21	e3.0	---	e23	---	1620	919	338
4	e-28	e-9.0	e.00	26	e17	e3.0	---	e8.0	1130	1610	888	282
5	e14	e42	e.00	.00	e20	---	---	e.00	1150	1580	811	274
6	e-14	e14	e.00	20	e14	---	---	e23	1160	1580	845	367
7	e-43	e52	e9.0	25	e11	---	---	e15	1170	1570	851	408
8	e.00	e27	e18	19	e18	---	e49	e.00	1160	1550	884	403
9	e-14	e.00	e19	-7.0	e29	---	e29	e-14	1130	1530	831	371
10	e-27	e13	e.00	.00	e27	---	e12	e-28	1110	1510	752	388
11	e-13	e-14	e-10	6.0	e22	---	e7.0	e.00	1080	1480	816	414
12	e-27	e-28	e18	27	e33	---	e11	e-5.0	1070	1450	848	389
13	e-40	e13	e9.0	35	e25	---	e21	e10	1040	1410	1020	453
14	e-26	e-14	e33	16	e25	---	e22	e9.0	1000	1380	1090	448
15	e-53	e13	e17	-12	e34	---	e26	e4.0	944	1430	1110	391
16	e-25	e.00	e.00	-6.0	e40	---	e21	e7.0	885	1450	1130	320
17	e-12	e.00	e9.0	.00	e39	---	e22	e-3.0	944	1440	1060	270
18	e11	e.00	e9.0	16	e22	---	e25	e.00	1180	1430	1080	237
19	e-12	e-26	e-48	16	e29	---	e27	e-1.0	1430	1400	1110	205
20	e-11	e-26	e-18	10	e26	---	e30	e.00	1480	1370	1180	192
21	e.00	e-39	e8.0	5.0	e26	---	e30	e-1.0	1480	1350	1180	190
22	e10	e-25	e23	15	e-41	---	e34	e-2.0	1530	1310	1170	214
23	e-31	e-24	e8.0	22	e-20	---	e37	e-1.0	1540	1280	1140	308
24	e-10	e.00	e23	17	e4.0	---	e37	e-1.0	1670	1250	1100	290
25	e-10	e.00	e23	-18	e7.0	---	e32	e.00	1740	1240	1030	318
26	e10	e11	e8.0	-22	e17	---	e45	e9.0	1750	1210	903	610
27	e-10	e.00	e22	-10	e14	---	e66	e181	1730	1180	770	801
28	e-9.0	e-11	e29	-12	e12	---	e60	---	1700	1120	647	857
29	e.00	e-22	e15	-4.0	---	---	e33	---	1690	1200	542	921
30	e-19	e10	e14	.00	---	---	e28	---	1670	1180	444	1010
31	e-9.0	---	e21	4.0	---	---	---	---	---	1100	361	---
TOTAL	-369.00	-37.00	257.00	248.00	508.0	---	---	---	---	43520	28536	12448
MEAN	-11.9	-1.23	8.29	8.00	18.1	---	---	---	---	1404	921	415
MAX	73	52	33	35	40	---	---	---	---	1660	1180	1010
MIN	-55	-39	-48	-22	-41	---	---	---	---	1100	361	190
AC-FT	-732	-73	510	492	1010	---	---	---	---	86320	56600	24690

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1982, BY WATER YEAR (WY)

MEAN	96.1	99.7	70.7	88.8	92.7	87.7	8.03	22.2	101	556	471	412
MAX	254	170	154	208	224	176	17.5	38.4	195	1404	921	640
(WY)	1979	1978	1978	1979	1980	1980	1981	1979	1978	1982	1982	1979
MIN	-27.7	-1.23	8.29	8.00	18.1	32.0	.000	.000	7.47	57.7	82.0	167
(WY)	1981	1982	1982	1982	1982	1978	1978	1981	1979	1980	1980	1980

SUMMARY STATISTICS

WATER YEARS 1978 - 1982

ANNUAL MEAN	209	
HIGHEST ANNUAL MEAN	246	1978
LOWEST ANNUAL MEAN	173	1979
HIGHEST DAILY MEAN	1750	Jun 26 1982
LOWEST DAILY MEAN	-180	Jul 18 1980
ANNUAL SEVEN-DAY MINIMUM	-93	Oct 6 1980
ANNUAL RUNOFF (AC-FT)	151700	
10 PERCENT EXCEEDS	673	
50 PERCENT EXCEEDS	66	
90 PERCENT EXCEEDS	.00	

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 231

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.71	13.21	12.37	11.55	12.68	14.62	14.12	12.41	11.53	14.84	13.34	13.47
2	15.51	13.11	12.34	11.65	12.69	14.40	14.07	12.31	11.52	14.72	13.55	13.89
3	15.33	13.01	12.31	11.78	12.85	14.12	13.96	12.21	11.52	14.82	13.97	14.34
4	15.14	13.06	12.26	11.74	12.99	13.86	13.81	12.13	11.63	14.92	14.25	14.30
5	15.24	13.18	12.26	11.65	13.00	13.66	13.69	12.11	11.74	15.06	14.37	14.34
6	15.25	13.23	12.26	11.63	12.97	13.48	13.58	12.04	11.86	14.95	14.41	14.32
7	15.31	13.23	12.26	11.68	13.13	13.42	13.49	11.93	11.93	14.79	14.54	14.17
8	15.31	13.18	12.23	11.79	13.22	13.64	13.40	11.84	12.33	14.57	14.57	14.00
9	15.30	13.12	12.20	11.75	13.20	13.76	13.31	11.76	14.06	14.41	14.45	13.83
10	15.15	13.08	12.27	11.71	13.19	13.79	13.37	11.73	15.42	14.23	14.25	13.70
11	14.98	13.03	12.20	11.75	13.32	13.74	13.52	11.70	15.68	14.15	14.02	13.62
12	15.01	13.01	12.14	11.80	13.43	13.60	13.44	11.64	15.92	13.99	13.86	13.54
13	14.93	13.00	12.13	11.70	14.62	13.50	13.35	11.62	16.07	13.80	13.70	13.50
14	14.78	12.95	12.04	11.64	15.00	13.42	13.27	11.62	16.07	13.63	13.58	13.45
15	14.52	12.90	11.96	11.61	14.96	13.38	13.16	11.60	15.95	13.49	13.49	13.40
16	14.15	12.82	11.89	11.57	14.93	13.47	13.02	11.60	15.63	13.38	13.44	13.40
17	13.77	12.81	11.85	11.53	15.24	13.92	12.96	11.63	15.08	13.29	13.45	13.38
18	13.38	12.82	11.85	11.64	15.31	14.26	12.91	11.60	14.12	13.21	13.53	13.45
19	13.23	12.76	11.84	11.67	15.21	14.21	12.87	11.53	13.33	13.14	13.49	13.55
20	13.65	12.69	11.84	11.80	15.03	13.95	12.88	11.48	13.20	13.10	13.43	13.62
21	13.59	12.65	11.82	12.10	14.84	13.72	12.85	11.47	13.57	13.14	13.35	13.67
22	13.44	12.59	11.78	12.25	14.60	13.53	12.81	11.54	13.68	13.22	13.28	13.68
23	13.36	12.53	11.74	12.41	14.20	13.40	12.71	11.55	13.71	13.23	13.25	14.00
24	13.39	12.50	11.72	12.68	13.99	13.57	12.73	11.44	13.65	13.12	13.36	14.71
25	13.36	12.48	11.72	12.78	13.94	14.18	12.80	11.32	14.02	13.02	13.57	14.64
26	13.29	12.51	11.72	12.80	13.95	14.12	12.75	11.18	14.06	12.94	13.63	14.25
27	13.22	12.49	11.71	12.76	14.04	13.93	12.70	11.13	14.24	12.85	13.54	13.98
28	13.21	12.46	11.65	12.78	14.67	13.84	12.62	11.07	13.99	12.84	13.47	13.75
29	13.22	12.45	11.59	12.76	---	13.75	12.53	11.15	13.79	12.96	13.46	13.62
30	13.20	12.41	11.55	12.72	---	13.61	12.46	11.29	14.60	13.00	13.47	13.52
31	13.21	---	11.56	12.70	---	13.75	---	11.44	---	13.07	13.44	---
TOTAL	441.14	385.27	371.06	372.38	391.20	427.60	395.14	361.07	413.90	425.88	425.51	415.09
MEAN	14.23	12.84	11.97	12.01	13.97	13.79	13.17	11.65	13.80	13.74	13.73	13.84
MAX	15.51	13.23	12.37	12.80	15.31	14.62	14.12	12.41	16.07	15.06	14.57	14.71
MIN	13.20	12.41	11.55	11.53	12.68	13.38	12.46	11.07	11.52	12.84	13.25	13.38

BASE GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289030 (262310080555001) LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.36	13.19	12.39	11.55	12.66	13.84	13.80	12.44	11.57	14.28	13.26	13.35
2	14.28	13.14	12.37	11.69	12.68	13.68	13.77	12.34	11.55	14.24	13.41	13.60
3	14.11	13.04	12.34	11.85	12.84	13.54	13.72	12.24	11.55	14.26	13.68	13.88
4	14.01	13.09	12.28	11.78	12.98	13.40	13.63	12.16	11.64	14.41	13.87	13.87
5	14.11	13.21	12.28	11.68	12.99	13.31	13.54	12.17	11.75	14.44	13.96	13.89
6	14.12	13.26	12.29	11.67	12.94	13.17	13.47	12.09	11.87	14.33	13.98	13.89
7	14.11	13.26	12.30	11.72	13.08	13.21	13.40	11.97	11.95	14.24	14.09	13.81
8	14.07	13.21	12.27	11.84	13.15	13.43	13.33	11.88	12.17	14.07	14.12	13.71
9	14.04	13.15	12.25	11.78	13.15	13.50	13.26	11.81	13.24	13.97	14.07	13.61
10	13.88	13.11	12.31	11.72	13.12	13.55	13.32	11.76	14.25	13.85	13.92	13.52
11	13.80	13.06	12.23	11.79	13.22	13.52	13.44	11.74	14.39	13.78	13.76	13.47
12	13.87	13.04	12.18	11.85	13.31	13.43	13.38	11.67	14.43	13.68	13.67	13.42
13	13.80	13.03	12.21	11.73	14.09	13.37	13.31	11.66	14.48	13.56	13.54	13.38
14	13.70	12.98	12.08	11.68	14.33	13.32	13.24	11.65	14.51	13.44	13.45	13.35
15	13.43	12.93	11.99	11.65	14.20	13.29	13.14	11.63	14.37	13.34	13.39	13.32
16	13.10	12.87	11.92	11.61	14.13	13.35	13.05	11.63	14.10	13.27	13.33	13.31
17	12.79	12.83	11.90	11.57	14.21	13.63	13.01	10.38	13.66	13.20	13.30	13.31
18	12.47	12.85	11.90	11.71	14.25	13.82	12.93	11.65	12.82	13.15	13.36	13.35
19	12.57	12.79	11.88	11.72	14.14	13.82	12.89	11.55	12.39	13.09	13.35	13.42
20	13.32	12.72	11.88	11.82	13.97	13.68	12.91	11.50	12.70	13.08	13.30	13.47
21	13.32	12.68	11.86	12.04	13.90	13.53	12.88	11.50	13.24	13.11	13.26	13.51
22	13.24	12.63	11.81	12.19	13.70	13.42	12.83	11.57	13.38	13.17	13.21	13.51
23	13.20	12.57	11.76	12.35	13.34	13.33	12.70	11.59	13.41	13.18	13.18	13.70
24	13.22	12.54	11.73	12.65	13.42	13.44	12.75	11.49	13.38	13.09	13.26	14.18
25	13.21	12.51	11.75	12.76	13.57	13.84	12.83	11.37	13.60	13.01	13.41	14.14
26	13.16	12.53	11.75	12.78	13.60	13.82	12.79	11.23	13.66	12.95	13.45	13.89
27	13.12	12.52	11.73	12.74	13.64	13.69	12.73	11.18	13.80	12.86	13.39	13.72
28	13.10	12.49	11.67	12.78	13.97	13.63	12.66	11.10	13.67	12.86	13.34	13.56
29	13.11	12.48	11.60	12.76	---	13.58	12.57	11.19	13.51	12.97	13.33	13.47
30	13.09	12.44	11.57	12.74	---	13.49	12.49	11.32	14.00	13.00	13.35	13.40
31	13.10	---	11.56	12.71	---	13.56	---	11.47	---	13.05	13.34	---
TOTAL	418.81	386.15	372.04	372.91	378.58	419.19	393.77	360.93	395.04	418.93	419.33	408.01
MEAN	13.51	12.87	12.00	12.03	13.52	13.52	13.13	11.64	13.17	13.51	13.53	13.60
MAX	14.36	13.26	12.39	12.78	14.33	13.84	13.80	12.44	14.51	14.44	14.12	14.18
MIN	12.47	12.44	11.56	11.55	12.66	13.17	12.49	10.38	11.55	12.86	13.18	13.31

AUXILIARY GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 233

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	443	---	e-27	e.00	e27	629	378	e-41	e-41	---	113	163
2	944	---	e-41	e-44	e14	583	360	e-40	e-30	---	188	340
3	920	---	e-40	e-86	e14	505	305	e-39	e-30	---	346	480
4	841	---	e-26	e-45	e15	433	240	e-38	e-10	---	428	461
5	852	---	e-26	e-32	e15	362	204	e-81	e-11	---	456	475
6	853	---	e-40	e-43	e42	324	155	e-65	e-11	615	471	463
7	903	---	e-54	e-44	e71	249	128	e-49	e-23	568	494	409
8	933	---	e-54	e-59	e98	261	101	e-47	153	522	497	348
9	948	---	e-68	e-34	e72	309	e73	e-59	573	477	444	280
10	945	---	e-54	e-11	e97	295	e74	e-33	895	426	395	236
11	859	---	e-39	e-46	136	275	116	e-45	1000	414	325	201
12	834	---	e-52	e-59	162	221	e88	e-32	1140	362	253	165
13	820	---	e-112	e-33	541	176	e60	e-43	1170	296	215	164
14	775	---	e-51	e-44	640	139	e45	e-32	1170	242	178	140
15	756	---	e-36	e-43	666	126	e30	e-31	1150	197	141	114
16	698	e-78	e-35	e-42	675	163	e-47	e-31	1070	149	151	126
17	621	e-30	e-61	e-41	800	342	e-80	e-43	949	124	195	101
18	544	e-45	e-61	e-81	823	463	e-30	e-55	738	e85	218	140
19	422	e-45	e-47	e-56	816	431	e-30	e-20	561	e71	186	177
20	349	e-44	e-47	e-22	790	329	e-46	e-19	376	e29	173	201
21	306	e-44	e-47	e64	713	246	e-45	e-29	343	e44	125	214
22	242	e-58	e-34	e67	668	154	e-30	e-30	333	e72	e99	225
23	201	e-58	e-22	e71	605	101	e14	e-42	335	e72	e98	355
24	212	e-57	e-11	e40	487	178	e-29	e-50	310	e44	137	551
25	192	e-42	e-33	e28	396	397	e-45	e-46	430	e15	210	529
26	169	e-28	e-33	e28	385	363	e-60.0	e-41	423	e-15	232	415
27	134	e-42	e-22	e27	422	303	e-44	e-39	461	e-15	198	323
28	144	e-42	e-21	e.00	610	271	e-59	e-21	369	e-30	175	248
29	145	e-42	e-10	e.00	---	228	e-58	e-31	326	e-15	174	201
30	144	e-41	e-20	e-29	---	168	e-42	e-26	---	e.00	163	165
31	144	---	e.00	e-14	---	248	---	e-29	---	e29	139	---
TOTAL	17293	---	-1224.00	-583.00	10800	9272	1726.0	-1227	---	---	7617	8410
MEAN	558	---	-39.5	-18.8	386	299	57.5	-39.6	---	---	246	280
MAX	948	---	.00	71	823	629	378	-19	---	---	497	551
MIN	134	---	-112	-86	14	101	-80	-81	---	---	98	101
AC-FT	34300	---	-2430	-1160	21420	18390	3420	-2430	---	---	15110	16680

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1983, BY WATER YEAR (WY)

MEAN	188	99.7	48.7	70.9	141	130	20.4	6.77	101	556	433	390
MAX	558	170	154	208	386	299	57.5	38.4	195	1404	921	640
(WY)	1983	1978	1978	1979	1983	1983	1983	1979	1978	1982	1982	1979
MIN	-27.7	-1.23	-39.5	-18.8	18.1	32.0	.000	-39.6	7.47	57.7	82.0	167
(WY)	1981	1982	1983	1983	1982	1978	1978	1983	1979	1980	1980	1980

SUMMARY STATISTICS

WATER YEARS 1978 - 1983

ANNUAL MEAN	209	
HIGHEST ANNUAL MEAN	246	1978
LOWEST ANNUAL MEAN	173	1979
HIGHEST DAILY MEAN	1750	Jun 26 1982
LOWEST DAILY MEAN	-180	Jul 18 1980
ANNUAL SEVEN-DAY MINIMUM	-93	Oct 6 1980
ANNUAL RUNOFF (AC-FT)	151700	
10 PERCENT EXCEEDS	661	
50 PERCENT EXCEEDS	71	
90 PERCENT EXCEEDS	-11	

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.54	13.41	12.44	13.41	12.33	12.82	12.87	12.02	12.35	12.04	13.87	11.19
2	14.10	13.35	12.38	13.56	12.29	12.83	12.83	11.95	12.30	12.25	13.82	11.12
3	14.02	13.30	12.32	13.70	12.30	12.83	12.76	11.88	12.08	12.52	13.78	11.00
4	14.34	13.25	12.29	13.46	12.33	12.82	12.77	11.85	12.17	12.32	13.59	10.97
5	14.20	13.19	12.22	13.36	12.39	12.79	12.92	11.89	12.00	13.09	13.56	11.01
6	14.20	13.14	12.10	13.20	12.35	12.75	12.88	11.98	11.50	13.28	13.58	11.11
7	13.74	13.09	12.01	13.04	12.32	12.76	12.88	12.01	11.60	13.13	13.41	11.20
8	13.77	13.07	11.90	12.99	12.33	12.75	12.88	11.78	11.95	13.11	13.19	11.19
9	13.79	13.09	11.84	12.96	12.31	12.69	12.86	11.83	12.12	13.04	13.02	11.04
10	13.82	13.05	11.81	12.93	12.24	12.63	13.03	12.03	12.28	12.81	12.71	10.93
11	13.90	13.01	11.79	12.94	12.19	12.59	13.06	11.99	12.40	12.70	12.50	10.91
12	13.80	12.98	11.99	12.94	12.20	12.56	13.00	12.00	12.28	12.42	12.53	11.16
13	13.76	12.95	12.07	12.90	12.29	12.63	12.95	12.02	12.05	12.31	12.60	11.48
14	13.82	12.90	12.32	12.90	12.42	12.61	12.93	11.98	11.97	12.29	12.66	11.74
15	14.12	12.82	12.55	12.89	12.49	12.61	12.89	11.82	12.00	12.27	12.36	11.73
16	14.42	12.80	12.57	12.87	12.51	12.64	12.83	11.64	12.15	12.26	12.05	11.99
17	14.72	12.75	12.70	12.82	12.50	12.60	12.79	11.52	12.31	12.41	11.82	12.08
18	14.72	12.69	13.31	12.77	12.48	12.57	12.78	11.47	12.35	12.56	11.76	11.64
19	14.64	12.59	13.75	12.73	12.46	12.52	12.73	11.37	12.37	12.62	11.82	11.47
20	14.52	12.51	14.00	12.68	12.50	12.45	12.69	11.28	12.30	12.62	11.92	11.52
21	14.34	12.54	13.74	12.61	12.45	12.51	12.67	11.20	12.14	13.04	12.15	11.62
22	14.27	12.50	13.59	12.56	12.39	12.55	12.64	11.15	11.98	13.61	12.35	11.81
23	14.19	12.51	13.44	12.49	12.40	12.86	12.59	11.07	11.80	14.00	12.33	11.68
24	14.12	12.54	13.32	12.46	12.46	13.84	12.52	10.97	11.69	14.25	12.10	11.49
25	14.40	12.64	13.23	12.44	12.48	13.49	12.41	11.12	11.69	14.15	12.06	11.38
26	14.36	12.68	13.16	12.40	12.48	13.35	12.32	11.40	11.69	14.23	12.31	11.29
27	14.21	12.65	13.10	12.37	12.47	13.28	12.22	11.50	11.69	14.14	12.29	11.48
28	14.04	12.65	13.07	12.44	12.63	13.18	12.15	11.88	12.03	13.78	12.05	12.89
29	13.92	12.62	13.02	12.47	12.76	13.08	12.09	12.50	11.99	13.57	11.76	13.58
30	13.80	12.53	12.99	12.47	---	12.95	12.05	12.32	11.99	13.39	11.49	13.77
31	13.62	---	13.27	12.40	---	12.89	---	12.62	---	13.60	11.32	---
TOTAL	437.21	385.80	394.29	398.16	359.75	397.43	380.99	364.04	361.22	403.81	388.76	347.47
MEAN	14.10	12.86	12.72	12.84	12.41	12.82	12.70	11.74	12.04	13.03	12.54	11.58
MAX	14.72	13.41	14.00	13.70	12.76	13.84	13.06	12.62	12.40	14.25	13.87	13.77
MIN	13.54	12.50	11.79	12.37	12.19	12.45	12.05	10.97	11.50	12.04	11.32	10.91

BASE GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 235

02289030 (262310080555001) LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.33	13.27	12.43	13.25	12.34	12.80	12.85	11.98	12.88	12.02	13.49	10.84
2	13.69	13.23	12.36	13.31	12.29	12.81	12.81	11.94	12.72	12.30	13.22	10.85
3	13.69	13.19	12.29	13.35	12.29	12.81	12.73	11.85	12.51	12.46	13.29	10.67
4	13.81	13.15	12.26	13.22	12.31	12.80	12.74	11.81	12.21	12.13	13.15	10.68
5	13.73	13.10	12.21	13.14	12.38	12.75	12.88	11.84	11.87	12.85	13.14	10.75
6	13.60	13.07	12.08	13.07	12.35	12.71	12.83	11.94	11.40	13.00	13.19	10.78
7	13.48	13.02	12.01	12.96	12.34	12.74	12.85	11.98	11.50	12.91	13.03	10.93
8	13.49	13.00	11.91	12.93	12.34	12.76	12.85	11.71	11.84	12.96	12.85	10.94
9	13.56	13.03	11.83	12.90	12.31	12.70	12.83	11.76	11.99	12.89	12.73	10.79
10	13.55	12.99	11.80	12.86	12.23	12.64	12.95	12.00	12.18	12.66	12.39	10.68
11	13.54	12.95	11.77	12.87	12.18	12.59	13.00	11.95	12.27	12.54	12.19	10.77
12	13.48	12.93	11.96	12.89	12.19	12.55	12.95	11.97	12.12	12.29	12.21	11.15
13	13.49	12.91	12.00	12.86	12.27	12.63	12.91	11.98	11.90	12.18	12.34	11.53
14	13.51	12.87	12.26	12.87	12.41	12.61	12.90	11.92	11.82	12.18	12.48	11.70
15	13.70	12.78	12.51	12.85	12.48	12.60	12.85	11.75	11.87	12.17	12.16	11.74
16	13.95	12.77	12.54	12.83	12.51	12.64	12.81	11.58	12.02	12.14	11.86	11.99
17	14.06	12.73	12.65	12.78	12.50	12.61	12.77	11.51	12.18	12.26	11.65	11.91
18	14.04	12.67	13.11	12.72	12.48	12.58	12.77	11.42	12.24	12.41	11.60	11.48
19	14.01	12.56	13.36	12.70	12.45	12.51	12.72	11.31	12.25	12.46	11.63	11.38
20	13.93	12.47	13.50	12.67	12.50	12.43	12.68	11.21	12.20	12.47	11.71	11.43
21	13.81	12.52	13.38	12.62	12.44	12.51	12.65	11.16	12.01	12.82	12.03	11.59
22	13.71	12.48	13.29	12.58	12.37	12.56	12.62	11.08	11.84	13.24	12.22	11.71
23	13.70	12.48	13.21	12.47	12.39	12.78	12.58	11.01	11.68	13.47	12.19	11.52
24	13.70	12.50	13.14	12.42	12.45	13.43	12.53	10.92	11.57	13.53	11.93	11.33
25	13.86	12.63	13.08	12.40	12.48	13.22	12.42	11.07	11.59	13.31	11.81	11.21
26	13.86	12.66	13.02	12.38	12.47	13.14	12.32	11.31	11.59	13.43	12.04	11.19
27	13.76	12.62	13.00	12.34	12.42	13.12	12.21	11.45	11.58	13.16	12.01	11.63
28	13.66	12.61	12.97	12.43	12.60	13.04	12.14	11.84	11.91	12.66	11.76	12.72
29	13.59	12.60	12.92	12.46	12.74	12.99	12.09	12.46	11.90	12.55	11.45	13.17
30	13.53	12.52	12.95	12.46	---	12.92	12.05	12.30	11.87	12.37	11.16	13.27
31	13.40	---	13.20	12.39	---	12.87	---	12.62	---	12.88	10.97	---
TOTAL	424.22	384.31	391.00	395.98	359.51	395.85	380.29	362.63	359.51	392.70	379.88	342.33
MEAN	13.68	12.81	12.61	12.77	12.40	12.77	12.68	11.70	11.98	12.67	12.25	11.41
MAX	14.06	13.27	13.50	13.35	12.74	13.43	13.00	12.62	12.88	13.53	13.49	13.27
MIN	13.33	12.47	11.77	12.34	12.18	12.43	12.05	10.92	11.40	12.02	10.97	10.67

AUXILIARY GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	256	183	e13	---	e-13	e28	e28	---	---	---	396	106
2	432	160	e25	---	e.00	e28	e28	---	---	---	477	e87
3	---	147	e36	---	e12	e28	e41	---	---	e73	436	e79
4	---	134	e36	---	e25	e28	e41	---	---	171	398	e70
5	---	121	e12	---	e13	e54	e55	---	---	252	386	e72
6	---	e96	e23	---	e.00	e53	e67	---	---	291	375	e93
7	---	e95	e.00	106	e-26	e27	e42	---	---	241	355	e97
8	---	e95	e-11	e81	e-13	e-14	e42	---	---	182	317	e93
9	---	e83	e11	e81	e.00	e-14	e41	---	---	179	277	e75
10	---	e82	e11	e92	e12	e-14	106	---	---	---	265	e62
11	---	e82	e20	e92	e12	e.00	e82	---	---	---	242	e46
12	---	e69	e33	e68	e12	e13	e69	---	---	---	248	e7.0
13	---	e55	e72	e55	e24	e.00	e55	---	---	130	229	e-51
14	---	e42	e69	e42	e13	e.00	e42	---	---	114	185	e38
15	---	e54	e51	e55	e13	e14	e55	---	---	105	180	e-11
16	---	e41	e39	e54	e.00	e.00	e28	---	---	121	153	e.00
17	---	e27	e65	e54	e.00	e-14	e28	---	---	150	127	145
18	---	e27	235	e66	e.00	e-14	e14	---	---	157	119	110
19	---	e39	391	e40	e13	e13	e14	---	---	168	136	e65
20	---	e50	463	e14	e.00	e26	e14	---	---	160	153	e68
21	---	e26	---	e-14	e13	e.00	e27	---	---	235	116	e28
22	---	e26	---	e-28	e25	e-14	e27	---	---	368	132	e87
23	---	e38	---	e26	e13	102	e13	---	---	475	139	113
24	439	e50	---	e49	e13	409	e-14	---	---	565	146	e99
25	522	e14	---	e49	e.00	299	e-13	---	---	591	180	e94
26	501	e27	---	e25	e13	246	e.00	---	---	587	209	e61
27	463	e40	---	e37	e61	198	e12	---	---	654	211	e-193
28	410	e52	---	e13	e39	175	e12	---	---	738	192	189
29	370	e27	---	e13	e27	119	e.00	---	---	620	167	384
30	320	e13	---	e13	---	e42	e.00	---	---	582	140	439
31	269	---	---	e13	---	e28	---	---	---	485	122	---
TOTAL	---	1995	---	---	301.00	1846.00	956.00	---	---	---	7208	2552.00
MEAN	---	66.5	---	---	10.4	59.5	31.9	---	---	---	233	85.1
MAX	---	183	---	---	61	409	106	---	---	---	477	439
MIN	---	13	---	---	-26	-14	-14	---	---	---	116	-193
AC-FT	---	3960	---	---	597	3660	1900	---	---	---	14300	5060

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1984, BY WATER YEAR (WY)

MEAN	188	93.1	48.7	70.9	122	118	22.7	6.77	101	556	404	346
MAX	558	170	154	208	386	299	57.5	38.4	195	1404	921	640
(WY)	1983	1978	1978	1979	1983	1983	1983	1979	1978	1982	1982	1979
MIN	-27.7	-1.23	-39.5	-18.8	10.4	32.0	.000	-39.6	7.47	57.7	82.0	85.1
(WY)	1981	1982	1983	1983	1984	1978	1978	1983	1979	1980	1980	1984

SUMMARY STATISTICS

WATER YEARS 1978 - 1984

ANNUAL MEAN	209
HIGHEST ANNUAL MEAN	246
LOWEST ANNUAL MEAN	173
HIGHEST DAILY MEAN	1750
LOWEST DAILY MEAN	-193
ANNUAL SEVEN-DAY MINIMUM	-93
ANNUAL RUNOFF (AC-FT)	151700
10 PERCENT EXCEEDS	580
50 PERCENT EXCEEDS	68
90 PERCENT EXCEEDS	-9.6

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 237

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.02	12.32	12.89	12.13	12.04	11.67	11.02	13.39	12.35	12.16	13.88	11.83
2	13.88	12.33	12.88	12.10	12.01	11.69	11.16	13.17	12.29	13.00	13.25	12.25
3	13.61	12.31	12.87	12.06	12.00	11.71	11.26	13.03	12.22	13.22	13.39	12.82
4	13.46	12.29	12.85	12.07	11.99	11.69	11.28	12.95	12.15	13.10	14.35	12.82
5	13.34	12.24	12.85	12.12	11.94	11.65	11.32	12.91	12.09	12.95	14.10	13.24
6	13.14	12.24	12.84	12.12	11.92	11.60	11.35	12.89	12.03	12.76	13.80	13.36
7	12.96	12.25	12.79	12.10	11.95	11.48	11.40	12.85	11.97	12.54	13.48	13.17
8	12.78	12.24	12.75	12.10	11.94	11.38	11.54	12.77	11.85	12.20	13.20	12.83
9	12.80	12.22	12.71	12.12	11.90	11.31	11.77	12.69	11.84	12.04	13.20	12.94
10	13.08	12.20	12.68	12.11	11.82	11.28	11.85	12.64	11.81	11.93	13.23	13.07
11	13.08	12.20	12.65	12.07	11.76	11.26	11.82	12.64	11.83	11.69	13.00	13.05
12	13.05	12.22	12.62	12.05	11.72	11.21	11.83	12.55	11.94	12.02	13.05	12.69
13	13.01	12.23	12.58	12.02	11.73	11.21	11.87	12.43	12.29	12.47	13.25	12.68
14	12.98	12.23	12.54	12.00	11.72	11.16	11.89	12.36	13.34	12.55	13.73	12.77
15	12.94	12.20	12.50	12.05	11.71	11.21	12.12	12.29	13.74	12.69	13.73	12.59
16	12.89	12.18	12.47	12.07	11.71	11.28	12.84	12.24	13.58	12.66	13.61	12.40
17	12.82	12.15	12.44	12.05	11.73	11.48	12.95	12.24	13.38	12.68	13.36	12.48
18	12.67	12.10	12.40	12.06	11.72	11.57	12.80	12.20	13.23	12.49	12.96	13.09
19	12.60	12.07	12.37	12.15	11.71	11.58	12.73	12.12	13.15	12.23	12.79	13.25
20	12.56	12.05	12.36	12.17	11.71	11.52	12.70	12.05	13.13	13.00	12.98	13.41
21	12.51	12.06	12.34	12.17	11.71	11.56	12.66	12.02	13.22	13.09	13.12	13.48
22	12.48	12.17	12.33	12.11	11.68	11.71	12.60	11.96	13.26	13.00	13.10	13.34
23	12.44	12.62	12.33	12.07	11.66	11.79	12.53	11.98	13.24	13.61	12.74	13.13
24	12.39	13.05	12.30	12.07	11.64	11.77	12.48	12.20	13.17	14.16	12.61	12.94
25	12.33	13.00	12.28	12.06	11.64	11.70	12.43	12.59	13.11	14.47	12.73	12.93
26	12.29	12.99	12.25	12.09	11.64	11.51	12.36	12.70	12.91	14.30	12.67	12.82
27	12.29	12.97	12.22	12.04	11.68	11.34	12.28	12.68	12.52	14.23	12.33	12.62
28	12.30	12.92	12.18	11.97	11.67	11.20	12.20	12.63	12.31	14.08	12.21	12.69
29	12.29	12.91	12.16	12.01	---	11.10	12.24	12.57	12.11	13.88	12.18	12.97
30	12.30	12.89	12.15	12.04	---	11.02	13.14	12.49	12.02	14.13	12.02	13.08
31	12.31	---	12.15	12.06	---	10.99	---	12.43	---	13.87	11.62	---
TOTAL	397.60	371.85	387.73	374.41	330.05	354.63	362.42	388.66	378.08	403.20	405.67	386.74
MEAN	12.83	12.39	12.51	12.08	11.79	11.44	12.08	12.54	12.60	13.01	13.09	12.89
MAX	14.02	13.05	12.89	12.17	12.04	11.79	13.14	13.39	13.74	14.47	14.35	13.48
MIN	12.29	12.05	12.15	11.97	11.64	10.99	11.02	11.96	11.81	11.69	11.62	11.83

BASE GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289030 (262310080555001) LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.38	12.33	12.88	12.12	12.01	11.65	11.06	12.94	12.36	12.04	12.93	11.08
2	13.24	12.35	12.86	12.10	11.99	11.69	11.22	12.90	12.30	12.76	12.63	11.14
3	13.02	12.30	12.86	12.05	12.01	11.71	11.28	12.95	12.25	12.89	12.78	12.74
4	13.01	12.29	12.84	12.09	12.00	11.66	11.28	12.93	12.17	12.81	13.56	12.61
5	12.99	12.25	12.82	12.15	11.93	11.66	11.32	12.90	12.11	12.70	13.45	12.98
6	12.84	12.28	12.83	12.14	11.91	11.65	11.35	12.89	12.05	12.52	13.21	13.02
7	12.69	12.28	12.81	12.12	11.96	11.54	11.40	12.85	11.98	12.30	12.94	12.81
8	12.50	12.26	12.76	12.12	11.99	11.42	11.53	12.77	11.87	12.01	12.70	12.50
9	12.63	12.24	12.73	12.14	11.91	11.35	11.77	12.69	11.85	11.95	12.66	12.69
10	12.98	12.21	12.69	12.13	11.81	11.33	11.85	12.65	11.82	11.85	12.73	12.81
11	13.00	12.20	12.66	12.08	11.71	11.30	11.82	12.65	11.82	11.60	12.44	12.76
12	12.98	12.24	12.63	12.10	11.73	11.25	11.83	12.56	11.94	11.94	12.40	12.36
13	12.95	12.25	12.59	12.05	11.74	11.25	11.87	12.45	12.23	12.32	12.65	12.44
14	12.93	12.25	12.55	12.01	11.73	11.20	11.89	12.37	12.79	12.37	13.18	12.55
15	12.90	12.21	12.51	12.07	11.72	11.24	12.11	12.32	12.97	12.52	13.26	12.38
16	12.86	12.18	12.48	12.09	11.71	11.31	12.83	12.25	12.95	12.50	13.16	12.16
17	12.80	12.17	12.45	12.04	11.73	11.52	12.95	12.27	12.92	12.51	12.93	12.24
18	12.66	12.10	12.41	12.07	11.73	11.66	12.80	12.22	12.86	12.10	12.51	12.83
19	12.59	12.06	12.39	12.17	11.72	11.64	12.73	12.13	12.90	11.60	12.45	12.96
20	12.55	12.06	12.37	12.19	11.72	11.55	12.71	12.05	12.93	12.36	12.72	13.04
21	12.50	12.08	12.34	12.23	11.71	11.57	12.66	12.03	12.98	12.44	12.85	12.98
22	12.47	12.22	12.34	12.15	11.66	11.74	12.60	11.97	13.02	12.40	12.78	12.86
23	12.44	12.63	12.34	12.09	11.63	11.84	12.53	11.98	13.02	12.96	12.45	12.72
24	12.39	13.00	12.30	12.09	11.61	11.81	12.48	12.20	12.99	13.51	12.54	12.57
25	12.35	12.96	12.29	12.07	11.63	11.75	12.43	12.58	12.95	13.82	12.94	12.67
26	12.30	12.95	12.26	12.13	11.63	11.56	12.36	12.70	12.73	13.64	12.87	12.57
27	12.28	12.94	12.23	12.05	11.67	11.36	12.28	12.69	12.37	13.58	12.22	12.39
28	12.29	12.90	12.19	11.97	11.67	11.23	12.20	12.64	12.17	13.43	12.07	12.47
29	12.29	12.90	12.15	12.04	---	11.12	12.24	12.58	11.97	13.23	11.96	12.75
30	12.31	12.88	12.16	12.03	---	11.04	13.12	12.50	11.89	13.48	11.64	12.85
31	12.32	---	12.15	12.04	---	11.03	---	12.42	---	13.22	10.90	---
TOTAL	393.44	371.97	387.87	374.92	329.97	355.63	362.50	388.03	373.16	391.36	392.51	376.93
MEAN	12.69	12.40	12.51	12.09	11.78	11.47	12.08	12.52	12.44	12.62	12.66	12.56
MAX	13.38	13.00	12.88	12.23	12.01	11.84	13.12	12.95	13.02	13.82	13.56	13.04
MIN	12.28	12.06	12.15	11.97	11.61	11.03	11.06	11.97	11.82	11.60	10.90	11.08

AUXILIARY GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 239

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	512	e-13	e14	e12	e33	e19	e-27	---	e-13	116	---	263
2	496	e-27	e28	e.00	e22	e.00	e-50	---	e-13	246	414	347
3	449	e13	e14	e12	e-12	e.00	---	106	e-39	314	428	101
4	388	e.00	e14	e-25	e-12	e29	---	e29	e-25	283	599	215
5	334	e-13	e41	e-38	e11	e-10	---	e14	e-25	249	525	276
6	292	e-54	e14	e-25	e11	e-55	---	e.00	e-24	230	471	331
7	262	e-40	e-29	e-25	e-12	e-63	---	e.00	e-12	214	419	324
8	253	e-26	e-14	e-25	e-63	e-38	---	e.00	e-23	163	376	280
9	185	e-26	e-29	e-25	e-11	e-36	---	e.00	e-11	e88	386	249
10	130	e-13	e-14	e-25	e11	e-45	---	e-14	e-11	e77	379	264
11	107	e.00	e-14	e-12	e47	e-35	---	e-14	e11	e75	368	280
12	e94	e-26	e-14	e-65	e-11	e-33	---	e-14	e.00	e79	398	267
13	e82	e-26	e-14	e-37	e-11	e-33	---	e-27	e68	153	408	224
14	e69	e-26	e-14	e-12	e-11	e-32	---	e-13	406	179	451	218
15	e55	e-13	e-14	e-24	e-11	e-24	---	e-40	518	179	424	201
16	e42	e.00	e-14	e-25	e.00	e-26	---	e-13	456	170	403	204
17	e28	e-25	e-13	e12	e.00	e-40	---	e-40	383	179	370	210
18	e14	e.00	e-13	e-12	e-11	e-106	---	e-26	334	266	334	265
19	e13	e12	e-27	e-25	e-11	e-66	---	e-12	263	298	280	295
20	e13	e-12	e-13	e-25	e-11	e-30	---	e.00	226	389	257	350
21	e13	e-25	e.00	e-82	e.00	e-10	---	e-12	261	---	273	407
22	e13	e-67	e-13	e-52	e19	e-33	---	e-12	263	---	299	385
23	e.00	e-14	e-13	e-25	e28	e-59	---	e.00	247	---	255	340
24	e.00	e70	e.00	e-25	e28	e-46	---	e.00	211	---	e85	306
25	e-27	e56	e-13	e-12	e10	e-57	---	e13	191	---	110	254
26	e-13	e56	e-13	e-51	e10	e-52	---	e.00	198	---	118	240
27	e12	e42	e-13	e-12	e10	e-17	---	e-14	156	---	115	214
28	e12	e28	e-13	e.00	e.00	e-24	---	e-14	138	---	133	213
29	e.00	e14	e12	e-37	---	e-14	---	e-14	128	---	177	231
30	e-13	e14	e-12	e12	---	e-13	---	e-14	117	---	211	245
31	e-13	---	e.00	e23	---	e-26	---	e13	---	---	221	---
TOTAL	3802.00	-141.00	-189.00	-650.00	53.00	-975.00	---	---	4379.00	---	---	7999
MEAN	123	-4.70	-6.10	-21.0	1.89	-31.5	---	---	146	---	---	267
MAX	512	70	41	23	47	29	---	---	518	---	---	407
MIN	-27	-67	-29	-82	-63	-106	---	---	-39	---	---	101
AC-FT	7540	-280	-375	-1290	105	-1930	---	---	8690	---	---	15870

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1985, BY WATER YEAR (WY)

MEAN	177	76.8	39.6	57.8	107	96.8	22.7	6.77	116	556	404	336
MAX	558	170	154	208	386	299	57.5	38.4	195	1404	921	640
(WY)	1983	1978	1978	1979	1983	1983	1983	1979	1978	1982	1982	1979
MIN	-27.7	-4.70	-39.5	-21.0	1.89	-31.5	.000	-39.6	7.47	57.7	82.0	85.1
(WY)	1981	1985	1983	1985	1985	1985	1978	1983	1979	1980	1980	1984

SUMMARY STATISTICS

WATER YEARS 1978 - 1985

ANNUAL MEAN	209	
HIGHEST ANNUAL MEAN	246	1978
LOWEST ANNUAL MEAN	173	1979
HIGHEST DAILY MEAN	1750	Jun 26 1982
LOWEST DAILY MEAN	-193	Sep 27 1984
ANNUAL SEVEN-DAY MINIMUM	-93	Oct 6 1980
ANNUAL RUNOFF (AC-FT)	151700	
10 PERCENT EXCEEDS	512	
50 PERCENT EXCEEDS	59	
90 PERCENT EXCEEDS	-14	

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.94	12.56	11.85	11.79	12.41	11.88	12.76	11.05	11.29	14.01	13.33	14.02
2	12.50	12.56	11.84	11.90	12.39	12.05	12.68	10.96	11.33	13.90	13.29	13.87
3	12.95	12.48	11.86	11.87	12.34	12.08	12.52	10.93	11.33	13.77	13.35	13.64
4	13.41	12.52	11.82	11.82	12.18	12.02	12.44	10.96	11.30	13.66	13.29	13.68
5	13.63	12.53	11.84	11.85	12.12	11.91	12.28	10.95	11.14	13.64	13.43	13.64
6	13.77	12.48	12.03	11.95	12.06	11.81	12.02	10.96	10.96	14.19	13.56	13.54
7	13.59	12.40	12.07	12.01	12.02	11.78	11.87	10.89	11.23	14.42	13.57	13.59
8	13.46	12.30	12.12	12.37	11.97	11.68	11.70	10.89	11.26	14.40	13.73	13.76
9	13.27	12.14	12.16	12.74	11.94	11.60	11.54	10.92	11.57	14.28	14.06	14.20
10	13.16	11.97	12.18	12.90	11.86	11.56	11.45	10.96	12.09	14.13	14.18	14.42
11	13.11	11.83	12.17	13.13	11.80	11.67	11.41	10.97	12.62	13.88	14.24	14.28
12	12.99	11.74	12.12	13.03	11.76	12.08	11.42	11.01	12.80	13.63	14.29	14.10
13	12.83	11.70	12.07	12.91	11.74	12.35	11.55	11.04	12.98	13.53	14.43	13.95
14	12.84	11.68	12.06	12.88	11.74	12.53	11.73	11.06	13.26	13.65	14.50	13.81
15	12.74	11.65	12.10	12.86	11.68	12.64	11.63	11.09	13.90	13.55	14.47	13.53
16	12.76	11.57	12.09	12.86	11.69	12.80	11.32	11.12	14.43	13.64	14.38	13.41
17	13.06	11.49	12.06	12.84	11.63	12.84	11.17	11.16	14.13	13.53	14.59	13.16
18	13.05	11.59	12.08	12.85	11.73	12.82	11.23	11.19	14.45	13.46	14.70	12.93
19	13.07	12.15	12.09	12.84	11.90	12.77	11.30	11.19	14.35	13.35	14.56	12.45
20	13.06	12.37	12.01	12.82	12.03	12.74	11.32	11.16	14.78	13.15	14.61	12.57
21	13.03	12.44	11.98	12.79	12.06	12.74	11.23	11.21	15.07	13.02	14.89	13.04
22	13.00	12.47	11.96	12.78	12.02	12.75	11.18	11.32	15.19	13.49	15.07	12.88
23	12.99	12.41	11.90	12.77	11.93	12.75	11.19	11.39	15.26	13.76	15.27	12.60
24	13.01	12.33	11.81	12.74	11.93	12.70	11.18	11.45	15.22	13.71	15.17	12.43
25	12.97	12.26	11.80	12.70	11.91	12.61	11.19	11.44	15.04	13.74	15.06	11.86
26	12.86	12.18	11.80	12.65	11.90	12.62	11.18	11.40	14.81	13.89	14.95	11.67
27	12.81	12.09	11.78	12.63	11.84	12.87	11.16	11.33	14.49	13.93	14.80	11.52
28	12.81	12.02	11.73	12.56	11.81	12.96	11.16	11.31	14.29	13.85	14.59	11.58
29	12.74	11.95	11.70	12.50	---	12.93	11.14	11.32	14.15	13.72	14.45	11.76
30	12.63	11.89	11.76	12.48	---	12.89	11.11	11.30	14.22	13.58	14.22	11.42
31	12.54	---	11.75	12.45	---	12.83	---	11.28	---	13.42	13.98	---
TOTAL	403.58	363.75	370.59	389.27	334.39	384.26	347.06	345.21	398.94	425.88	443.01	393.31
MEAN	13.02	12.12	11.95	12.56	11.94	12.40	11.57	11.14	13.30	13.74	14.29	13.11
MAX	13.77	12.56	12.18	13.13	12.41	12.96	12.76	11.45	15.26	14.42	15.27	14.42
MIN	12.50	11.49	11.70	11.79	11.63	11.56	11.11	10.89	10.96	13.02	13.29	11.42

BASE GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 241

02289030 (262310080555001) LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.70	12.47	11.85	11.79	12.43	11.91	12.75	11.04	11.28	13.23	13.15	13.36
2	12.24	12.55	11.85	11.91	12.43	12.05	12.66	10.96	11.32	13.48	13.12	13.27
3	12.68	12.46	11.88	11.88	12.43	12.07	12.49	10.93	11.33	13.10	13.17	13.14
4	13.00	12.52	11.83	11.81	12.27	12.01	12.41	10.97	11.31	12.99	13.11	13.32
5	13.12	12.54	11.83	11.86	12.11	11.88	12.25	10.95	11.14	13.26	13.18	13.34
6	13.30	12.48	12.02	11.96	12.04	11.80	11.99	10.94	10.96	13.70	13.27	13.25
7	13.14	12.41	12.05	12.01	12.01	11.76	11.86	10.88	11.04	13.85	13.30	13.27
8	13.05	12.31	12.09	12.31	11.96	11.67	11.69	10.89	11.23	13.75	13.40	13.38
9	12.89	12.14	12.12	12.61	11.94	11.59	11.52	10.93	11.53	13.62	13.63	13.71
10	12.84	12.01	12.13	12.82	11.85	11.55	11.45	10.97	12.03	13.41	13.75	13.81
11	12.81	12.00	11.86	13.03	11.78	11.67	11.41	10.98	12.55	13.27	13.80	13.66
12	12.68	11.82	12.11	12.98	11.77	12.08	11.41	11.00	12.75	13.09	13.83	13.53
13	12.52	11.72	12.06	12.88	11.76	12.34	11.54	11.04	12.88	13.05	13.95	13.47
14	12.54	11.70	12.08	12.86	11.73	12.52	11.73	11.06	13.09	13.14	14.00	13.38
15	12.46	11.67	12.12	12.85	11.69	12.63	11.61	11.08	13.19	13.15	13.99	13.14
16	12.54	11.60	12.10	12.84	11.68	12.80	11.31	11.11	13.36	13.34	13.93	13.09
17	12.87	11.63	12.08	12.83	11.62	12.83	11.16	11.14	13.28	13.26	14.08	12.87
18	12.88	11.98	12.10	12.82	11.72	12.81	11.24	11.17	13.59	13.22	14.12	12.63
19	12.90	12.54	12.11	12.82	11.90	12.76	11.29	11.17	13.57	13.14	13.84	12.17
20	12.90	12.49	12.03	12.81	12.03	12.73	11.30	11.15	14.00	12.96	13.85	12.34
21	12.87	12.45	12.00	12.79	12.05	12.73	11.21	11.20	14.29	12.88	14.04	12.81
22	12.83	12.48	11.98	12.78	12.01	12.74	11.18	11.31	14.41	13.28	14.17	12.65
23	12.82	12.41	11.91	12.77	11.92	12.74	11.20	11.38	14.48	13.44	14.33	12.40
24	12.86	12.33	11.81	12.73	11.93	12.69	11.19	11.44	14.44	13.41	14.28	12.28
25	12.82	12.26	11.82	12.68	11.92	12.61	11.18	11.43	14.26	13.44	14.20	11.66
26	12.74	12.19	11.83	12.64	11.90	12.63	11.16	11.38	14.03	13.55	14.12	11.48
27	12.67	12.10	11.79	12.63	11.82	12.87	11.15	11.31	13.71	13.59	14.01	11.34
28	12.67	12.01	11.74	12.58	11.80	12.96	11.15	11.30	13.51	13.54	13.84	11.44
29	12.61	11.96	11.71	12.50	---	12.93	11.14	11.31	13.37	13.44	13.73	11.64
30	12.48	11.90	11.77	12.48	---	12.89	11.10	11.28	13.44	13.34	13.55	11.30
31	12.38	---	11.74	12.45	---	12.83	---	11.27	---	13.22	13.38	---
TOTAL	395.81	365.13	370.40	388.71	334.50	384.08	346.73	344.97	385.37	413.14	426.12	383.13
MEAN	12.77	12.17	11.95	12.54	11.95	12.39	11.56	11.13	12.85	13.33	13.75	12.77
MAX	13.30	12.55	12.13	13.03	12.43	12.96	12.75	11.44	14.48	13.85	14.33	13.81
MIN	12.24	11.60	11.71	11.79	11.62	11.55	11.10	10.88	10.96	12.88	13.11	11.30

AUXILIARY GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	242	105	e.00	e.00	e-27	e-35	---	e6.0	e8.0	---	219	518
2	221	e13	e-11	e-11	e-56	e.00	e27	e.00	e8.0	e.00	208	483
3	261	e26	e-23	e-11	e-135	e12	e38	e.00	e.00	---	220	425
4	368	e.00	e-11	e11	e-130	e11	e38	e-6.0	e-8.0	---	217	369
5	427	e-14	e11	e-11	e12	---	e36	e.00	e.00	---	281	330
6	428	e.00	e11	e-12	e23	---	e33	e10	e.00	---	318	316
7	401	e-13	e23	e.00	e11	---	e11	e5.0	e86	---	305	339
8	372	e-13	e34	e70	e11	---	e10	e.00	e22	---	356	386
9	342	e.00	e45	148	e.00	---	e18	e-5.0	e35	---	439	480
10	304	e-50	e56	103	e11	---	e.00	e-6.0	e64	---	450	550
11	290	e-260	210	131	e21	---	e.00	e-6.0	e86	---	461	537
12	285	e-99	e12	e69	e-11	---	e9.0	e6.0	e66	436	475	500
13	271	e-21	e12	e42	e-22	---	e9.0	e.00	127	406	499	450
14	268	e-21	e-25	e28	e10	---	e.00	e.00	207	429	515	415
15	250	e-21	e-25	e14	e-10	---	e19	e6.0	518	377	503	370
16	218	e-31	e-12	e28	e10	---	e8.0	e7.0	735	330	479	325
17	214	e-177	e-25	e14	e10	---	e7.0	e13	593	302	529	288
18	197	e-215	e-25	e41	e10	---	e-8.0	e14	635	276	571	275
19	198	e-327	e-25	e28	e.00	---	e8.0	e14	---	246	603	226
20	189	e-191	e-24	e14	e.00	---	e16	e7.0	---	219	622	211
21	187	e-13	e-24	e.00	e12	---	e14	e7.0	---	169	687	242
22	195	e-14	e-24	e.00	e11	---	e.00	e8.0	---	253	727	232
23	194	e.00	e-11	e.00	e11	---	e-8.0	e8.0	---	352	767	195
24	178	e.00	e.00	e14	e.00	---	e-7.0	e9.0	---	335	736	151
25	176	e.00	e-22	e27	e-11	---	e7.0	e9.0	---	337	712	144
26	144	e-13	e-34	e14	e.00	---	e14	e16	---	374	687	125
27	160	e-12	e-11	e.00	e21	---	e7.0	e16	---	377	655	109
28	160	e11	e-11	e-28	e11	---	e7.0	e8.0	---	352	616	e97
29	148	e-12	e-10	e.00	---	---	e.00	e8.0	---	322	589	e97
30	161	e-11	e-11	e.00	---	---	e7.0	e15	---	283	546	e78
31	164	---	e10	e.00	---	---	---	e8.0	---	241	496	---
TOTAL	7613	-1373.00	60.00	723.00	-207.00	---	---	177.00	---	---	15488	9263
MEAN	246	-45.8	1.94	23.3	-7.39	---	---	5.71	---	---	500	309
MAX	428	105	210	148	23	---	---	16	---	---	767	550
MIN	144	-327	-34	-28	-135	---	---	-6.0	---	---	208	78
AC-FT	15100	-2720	119	1430	-411	---	---	351	---	---	30720	18370

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1986, BY WATER YEAR (WY)

MEAN	187	59.3	34.2	53.4	94.5	96.8	22.7	6.56	116	556	416	333
MAX	558	170	154	208	386	299	57.5	38.4	195	1404	921	640
(WY)	1983	1978	1978	1979	1983	1983	1983	1979	1978	1982	1982	1979
MIN	-27.7	-45.8	-39.5	-21.0	-7.39	-31.5	.000	-39.6	7.47	57.7	82.0	85.1
(WY)	1981	1986	1983	1985	1986	1985	1978	1983	1979	1980	1980	1984

SUMMARY STATISTICS

WATER YEARS 1978 - 1986

ANNUAL MEAN	209	
HIGHEST ANNUAL MEAN	246	1978
LOWEST ANNUAL MEAN	173	1979
HIGHEST DAILY MEAN	1750	Jun 26 1982
LOWEST DAILY MEAN	-327	Nov 19 1985
ANNUAL SEVEN-DAY MINIMUM	-140	Nov 14 1985
ANNUAL RUNOFF (AC-FT)	151700	
10 PERCENT EXCEEDS	498	
50 PERCENT EXCEEDS	55	
90 PERCENT EXCEEDS	-14	

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 243

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.87	13.09	11.64	12.05	12.45	11.56	13.75	11.48	10.91	12.79	12.73	11.38
2	12.15	13.11	11.49	12.60	12.38	11.63	13.68	11.45	10.93	12.78	12.94	11.49
3	12.48	13.10	11.33	12.77	12.34	12.16	13.53	11.64	11.04	12.76	13.03	11.64
4	12.50	13.07	11.35	13.03	12.29	12.34	13.27	11.71	11.27	12.73	13.10	11.79
5	12.43	13.05	11.45	13.19	12.32	12.17	12.95	11.49	11.35	12.74	12.98	12.04
6	12.39	13.02	11.41	13.21	12.36	12.11	12.94	11.25	11.32	12.71	12.93	12.60
7	12.33	12.98	11.26	13.20	12.37	12.42	12.92	11.13	11.30	12.69	12.88	12.89
8	12.26	12.94	11.14	13.14	12.38	12.82	12.89	11.16	11.33	12.67	12.84	12.95
9	12.18	12.94	11.30	13.12	12.34	13.24	12.85	11.30	11.34	12.63	12.81	12.90
10	12.05	12.94	11.30	13.08	12.35	13.44	12.81	11.40	11.32	12.53	12.77	12.97
11	11.99	12.88	11.21	13.04	12.36	13.19	12.74	11.27	11.14	12.42	12.96	13.36
12	11.98	12.87	11.18	13.00	12.34	12.92	12.63	10.87	10.97	12.32	13.03	13.56
13	11.92	12.83	11.33	12.91	12.32	12.84	12.52	10.75	10.97	12.23	12.82	13.37
14	11.82	12.75	11.58	12.90	12.26	12.81	12.45	10.62	10.96	12.20	12.74	13.23
15	11.95	12.65	11.67	12.87	12.22	12.82	12.34	10.98	10.96	12.24	12.76	12.88
16	12.47	12.62	11.48	12.84	12.18	12.80	12.28	11.25	11.00	12.32	12.74	12.71
17	12.95	12.54	11.31	12.79	12.19	12.78	12.26	11.15	11.04	12.37	12.65	12.67
18	13.03	12.44	11.32	12.79	12.22	12.73	12.14	11.05	11.20	12.48	12.54	13.03
19	13.01	12.34	11.37	12.76	12.11	12.67	11.98	11.16	11.30	12.65	12.44	13.02
20	12.93	12.23	11.27	12.73	12.06	12.61	11.83	11.20	11.38	12.71	12.36	12.77
21	12.86	12.12	11.17	12.69	12.02	12.51	11.76	11.21	11.48	12.76	12.29	12.71
22	12.82	12.03	11.08	12.63	12.00	12.41	11.67	11.15	11.52	12.84	12.15	13.44
23	12.73	11.94	11.18	12.63	11.96	12.34	11.65	11.18	11.60	12.80	12.04	13.55
24	12.64	11.85	11.21	12.65	11.92	12.31	11.59	11.19	11.73	12.75	11.99	13.59
25	12.51	11.76	11.27	12.62	11.92	12.39	11.63	11.21	11.92	12.67	11.96	13.61
26	12.41	11.76	11.29	12.61	11.87	12.43	11.69	11.21	12.08	12.57	11.88	13.59
27	12.29	11.81	11.40	12.55	11.80	12.74	11.65	11.17	12.16	12.47	11.67	13.59
28	12.17	11.84	11.48	12.52	11.69	13.29	11.51	11.04	12.31	12.46	11.58	13.59
29	12.14	11.85	11.41	12.51	---	13.23	11.55	10.97	12.63	12.45	11.47	13.59
30	12.34	11.78	11.72	12.49	---	13.29	11.61	10.99	12.83	12.44	11.41	13.58
31	12.84	---	11.64	12.45	---	13.58	---	10.99	---	12.47	11.40	---
TOTAL	384.44	375.13	352.24	396.37	341.02	392.58	371.07	346.62	343.29	389.65	385.89	388.09
MEAN	12.40	12.50	11.36	12.79	12.18	12.66	12.37	11.18	11.44	12.57	12.45	12.94
MAX	13.03	13.11	11.72	13.21	12.45	13.58	13.75	11.71	12.83	12.84	13.10	13.61
MIN	11.82	11.76	11.08	12.05	11.69	11.56	11.51	10.62	10.91	12.20	11.40	11.38

BASE GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289030 (262310080555001) LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.82	13.05	11.66	12.06	12.44	11.53	13.57	11.50	10.91	12.78	12.75	11.38
2	12.11	13.08	11.54	12.60	12.37	11.65	13.53	11.48	11.00	12.77	12.96	11.49
3	12.47	13.04	11.32	12.76	12.33	12.18	13.41	11.66	11.20	12.75	13.04	11.68
4	12.47	13.04	11.34	13.03	12.28	12.37	13.22	11.74	11.37	12.73	13.09	11.89
5	12.42	13.01	11.44	13.18	12.31	12.19	12.96	11.50	11.37	12.73	12.99	12.23
6	12.38	12.99	11.40	13.20	12.34	12.14	12.95	11.26	11.32	12.70	12.94	12.77
7	12.33	12.96	11.24	13.18	12.36	12.44	12.92	11.13	11.34	12.68	12.89	12.90
8	12.25	12.94	11.13	13.13	12.37	12.81	12.90	11.17	11.37	12.66	12.85	12.88
9	12.17	12.94	11.30	13.11	12.33	13.16	12.87	11.31	11.35	12.62	12.83	12.86
10	12.05	12.94	11.29	13.07	12.33	13.32	12.83	11.40	11.28	12.52	12.79	12.96
11	12.00	12.88	11.20	13.03	12.35	13.15	12.75	11.25	11.07	12.41	12.95	13.30
12	11.98	12.87	11.17	12.99	12.33	12.92	12.64	10.85	10.96	12.31	13.00	13.32
13	11.92	12.84	11.33	12.90	12.31	12.85	12.53	10.73	10.98	12.22	12.82	13.22
14	11.83	12.76	11.57	12.89	12.25	12.83	12.45	10.61	10.96	12.19	12.75	13.10
15	11.96	12.67	11.66	12.86	12.21	12.83	12.34	10.97	10.96	12.23	12.78	12.84
16	12.43	12.63	11.46	12.83	12.17	12.81	12.30	11.24	11.02	12.31	12.75	12.69
17	12.90	12.55	11.30	12.78	12.18	12.77	12.28	11.14	11.10	12.37	12.65	12.64
18	12.98	12.45	11.32	12.78	12.21	12.73	12.15	11.04	11.25	12.48	12.52	12.97
19	12.98	12.36	11.36	12.75	12.10	12.67	12.00	11.14	11.33	12.65	12.41	12.97
20	12.91	12.24	11.26	12.72	12.04	12.65	11.86	11.19	11.41	12.70	12.33	12.76
21	12.85	12.14	11.15	12.67	12.01	12.54	11.79	11.21	11.51	12.76	12.27	12.69
22	12.80	12.04	11.07	12.62	11.99	12.43	11.69	11.15	11.51	12.83	12.13	13.27
23	12.71	11.95	11.17	12.62	11.95	12.34	11.67	11.17	11.59	12.79	12.03	13.37
24	12.63	11.85	11.20	12.64	11.91	12.29	11.60	11.18	11.72	12.73	11.98	13.41
25	12.50	11.76	11.26	12.61	11.90	12.38	11.65	11.21	11.92	12.65	11.94	13.36
26	12.34	11.77	11.28	12.60	11.86	12.41	11.73	11.21	12.07	12.55	11.84	13.17
27	12.23	11.83	11.39	12.53	11.78	12.73	11.68	11.17	12.16	12.46	11.64	13.20
28	12.11	11.86	11.47	12.51	11.68	13.19	11.53	11.04	12.30	12.45	11.56	13.25
29	12.11	11.87	11.40	12.50	---	13.16	11.58	10.97	12.63	12.44	11.46	13.57
30	12.31	11.79	11.71	12.48	---	13.20	11.64	11.00	12.82	12.44	11.39	13.62
31	12.63	---	11.64	12.44	---	13.43	---	10.98	---	12.47	11.38	---
TOTAL	383.58	375.10	352.03	396.07	340.69	392.10	371.02	346.60	343.78	389.38	385.71	385.76
MEAN	12.37	12.50	11.36	12.78	12.17	12.65	12.37	11.18	11.46	12.56	12.44	12.86
MAX	12.98	13.08	11.71	13.20	12.44	13.43	13.57	11.74	12.82	12.83	13.09	13.62
MIN	11.82	11.76	11.07	12.06	11.68	11.53	11.53	10.61	10.91	12.19	11.38	11.38

AUXILIARY GAGE

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e75	---	e-33	---	e20	e41	349	e-30	e.00	---	e-45	e.00
2	e69	---	e-82	---	e20	e-32	302	e-45	e-74	---	e-47	e.00
3	e20	---	e12	---	e20	e-40	247	e-33	e-108	---	e-24	e-69
4	e59	---	e13	---	e19	e-64	111	e-52	e-152	---	e23	e-212
5	e20	e87	e13	---	e19	e-40	e-23	e-15	e-28	---	e-23	e-305
6	e20	e66	e13	---	e38	e-60	e-23	e-12	e.00	---	e-23	e-418
7	e.00	e44	e23	---	e20	e-42	e.00	e.00	e-56	---	e-23	e-23
8	e19	e.00	e10	e23	e20	e22	e-23	e-11	e-58	---	e-23	140
9	e19	e.00	e.00	e23	e20	167	e-47	e-13	e-13	---	e-46	e84
10	e.00	e.00	e12	e23	e38	243	e-46	e.00	e45	---	e-46	e23
11	e-18	e.00	e11	e23	e20	e89	e-22	e23	e59	---	e22	133
12	e.00	e.00	e11	e23	e20	e.00	e-22	e14	e8.0	---	e66	402
13	e.00	e-23	e.00	e22	e19	e-23	e-21	e10	e-9.0	---	e.00	284
14	e-17	e-22	e15	e22	e19	e-46	e.00	e3.0	e.00	---	e-22	247
15	e-18	e-45	e15	e22	e19	e-23	e.00	e9.0	e.00	---	e-46	e84
16	e76	e-22	e27	e22	e19	e-23	e-41	e12	e-20	---	e-22	---
17	104	e-21	e12	e22	e19	e22	e-41	e11	e-71	---	e.00	---
18	106	e-21	e.00	e22	e19	e.00	e-19	e9.0	e-67	e.00	e40	---
19	e66	e-42	e13	e22	e18	e.00	e-37	e21	e-41	e.00	e58	---
20	e44	e-20	e12	e21	e35	e-92	e-54	e11	e-43	e21	e56	---
21	e22	e-39	e21	e42	e18	e-66	e-53	e.00	e-46	e.00	e38	---
22	e43	e-19	e10	e21	e18	e-42	e-33	e.00	---	e22	e36	---
23	e42	e-18	e11	e21	e17	e.00	e-33	e11	---	e22	e18	---
24	e21	e.00	e11	e21	e17	e38	e-15	e11	---	e42	e17	---
25	---	e.00	e12	e21	e33	e20	e-32	e.00	---	e42	e34	---
26	---	e-17	e12	e21	e17	e39	e-70	e.00	---	e41	e62	---
27	---	e-35	e13	e40	e32	e22	e-50	e.00	---	e20	e43	---
28	---	e-36	e14	e20	e15	204	e-30	e.00	---	e20	e28	---
29	---	e-36	e13	e20	---	149	e-48	e.00	---	e20	e14	---
30	---	e-17	e16	e20	---	187	e-50	e-9.0	---	e.00	e25	---
31	---	---	e.00	e20	---	296	---	e9.0	---	e.00	e25	---
TOTAL	---	---	230.00	---	608	946.00	176.00	-66.00	---	---	215.00	---
MEAN	---	---	7.42	---	21.7	30.5	5.87	-2.13	---	---	6.94	---
MAX	---	---	27	---	38	296	349	23	---	---	66	---
MIN	---	---	-82	---	15	-92	-70	-52	---	---	-47	---
AC-FT	---	---	456	---	1210	1880	349	-131	---	---	426	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1987, BY WATER YEAR (WY)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
MEAN	187	59.3	30.8	53.4	87.3	88.5	19.9	5.11	116	556
MAX	558	170	154	208	386	299	57.5	38.4	195	1404
(WY)	1983	1978	1978	1979	1983	1983	1983	1979	1978	1982
MIN	-27.7	-45.8	-39.5	-21.0	-7.39	-31.5	.000	-39.6	7.47	57.7
(WY)	1981	1986	1983	1985	1986	1985	1978	1983	1979	1980

SUMMARY STATISTICS

WATER YEARS 1978 - 1987

ANNUAL MEAN	209
HIGHEST ANNUAL MEAN	246
LOWEST ANNUAL MEAN	173
HIGHEST DAILY MEAN	1750
LOWEST DAILY MEAN	-418
ANNUAL SEVEN-DAY MINIMUM	-147
ANNUAL RUNOFF (AC-FT)	151700
10 PERCENT EXCEEDS	471
50 PERCENT EXCEEDS	42
90 PERCENT EXCEEDS	-23

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	12.14	14.22	12.71	12.72	12.64	12.91	11.49	11.27	11.42	13.88	13.97
2	---	13.34	14.03	12.72	12.67	12.60	12.87	11.73	11.32	11.20	13.82	13.83
3	---	14.58	13.81	12.81	12.65	12.58	12.81	11.83	11.35	11.07	13.59	13.77
4	---	15.10	13.21	12.94	12.62	12.53	12.77	11.87	11.35	11.10	13.50	13.74
5	---	15.07	13.01	12.96	12.64	12.52	12.71	11.87	11.35	11.09	13.20	13.71
6	---	15.18	13.23	12.93	12.64	12.51	12.64	11.85	11.43	11.09	12.62	13.76
7	---	15.29	12.95	12.89	12.55	12.49	12.55	11.85	11.54	11.31	12.36	13.85
8	---	15.30	12.62	12.89	12.61	12.43	12.46	11.83	11.56	11.20	12.58	13.91
9	---	15.21	12.48	12.92	12.72	12.42	12.37	11.81	11.61	11.80	12.50	13.91
10	---	15.09	12.61	13.00	12.81	12.49	12.28	11.73	11.67	11.82	12.93	13.84
11	---	15.00	12.70	13.32	12.81	12.53	12.15	11.55	11.71	11.83	14.18	13.78
12	---	14.68	13.15	13.18	12.79	12.54	12.09	11.54	11.71	11.82	14.59	13.76
13	---	14.43	12.96	13.13	12.78	12.55	12.03	11.54	11.71	11.62	14.45	13.71
14	13.78	14.03	12.74	13.07	12.74	12.59	11.97	11.47	11.75	11.80	14.33	13.59
15	13.43	13.85	12.61	13.02	12.70	12.56	11.89	11.35	11.76	11.81	14.20	13.41
16	13.48	13.78	12.59	12.98	12.80	12.54	11.69	11.25	11.72	11.76	13.94	13.34
17	13.27	13.43	12.43	12.93	12.70	12.52	11.69	11.28	11.68	11.87	14.06	13.31
18	13.33	12.49	12.22	12.95	12.58	12.46	11.62	11.33	11.68	12.27	14.14	13.27
19	13.25	13.04	11.90	12.95	12.44	12.49	11.56	11.36	11.68	12.76	14.20	13.26
20	13.37	14.82	11.79	12.89	12.35	12.56	11.73	11.37	11.63	12.28	14.14	13.21
21	13.21	14.61	11.69	12.83	12.39	12.56	11.65	11.34	11.65	12.37	14.12	13.14
22	13.00	14.23	11.75	12.93	12.43	12.56	11.55	11.25	11.79	12.11	14.04	13.08
23	12.81	13.87	12.21	12.97	12.42	12.56	11.50	11.14	12.40	11.71	13.89	13.03
24	12.63	13.41	12.43	12.97	12.55	12.56	11.47	11.22	12.95	11.67	13.65	12.96
25	12.50	12.79	12.60	12.98	12.68	12.57	11.44	11.27	12.66	12.26	13.20	12.90
26	12.36	13.72	12.72	12.98	12.70	12.62	11.30	11.24	12.33	13.40	13.09	12.92
27	12.21	14.88	12.79	12.94	12.66	12.86	11.20	11.20	12.11	13.48	13.65	12.98
28	12.07	14.74	12.83	12.91	12.66	13.02	11.24	11.23	11.96	13.60	14.41	12.98
29	11.94	14.57	12.83	12.82	12.66	13.06	11.27	11.32	11.88	13.71	14.43	12.89
30	11.86	14.38	12.82	12.76	---	13.04	11.30	11.36	11.75	13.98	14.22	12.82
31	11.84	---	12.76	12.74	---	12.98	---	11.32	---	13.99	14.05	---
TOTAL	---	427.05	394.69	401.02	366.47	390.94	358.71	355.79	352.96	375.20	425.96	402.63
MEAN	---	14.23	12.73	12.94	12.64	12.61	11.96	11.48	11.77	12.10	13.74	13.42
MAX	---	15.30	14.22	13.32	12.81	13.06	12.91	11.87	12.95	13.99	14.59	13.97
MIN	---	12.14	11.69	12.71	12.35	12.42	11.20	11.14	11.27	11.07	12.36	12.82

BASE GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 247

02289030 (262310080555001) LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.93	12.03	13.74	12.71	12.70	12.63	12.88	11.48	11.26	11.41	13.53	13.63
2	13.90	13.12	13.61	12.72	12.66	12.59	12.83	11.74	11.32	11.18	13.54	13.56
3	13.80	14.08	13.51	12.81	12.64	12.55	12.78	11.80	11.35	11.05	13.31	13.56
4	13.56	14.39	12.94	12.94	12.61	12.50	12.74	11.87	11.34	11.08	13.30	13.56
5	13.51	14.29	12.74	12.95	12.63	12.51	12.70	11.87	11.34	11.08	13.06	13.55
6	13.46	14.39	13.05	12.93	12.62	12.51	12.62	11.84	11.42	11.07	12.53	13.62
7	13.38	14.45	12.83	12.89	12.53	12.50	12.55	11.85	11.53	11.28	12.27	13.71
8	13.28	14.45	12.42	12.89	12.61	12.42	12.46	11.81	11.53	11.15	12.49	13.76
9	13.22	14.38	12.26	12.91	12.71	12.39	12.36	11.79	11.58	11.75	12.35	13.77
10	13.21	14.26	12.44	13.00	12.80	12.48	12.26	11.72	11.65	11.79	12.71	13.72
11	13.31	14.21	12.49	13.29	12.80	12.53	12.13	11.55	11.70	11.80	13.74	13.69
12	13.71	13.99	12.98	13.15	12.78	12.53	12.07	11.53	11.71	11.79	14.10	13.67
13	13.69	13.72	12.82	13.11	12.77	12.53	12.02	11.53	11.70	11.59	13.99	13.62
14	13.37	13.20	12.59	13.06	12.73	12.59	11.96	11.48	11.74	11.77	13.90	13.52
15	13.15	13.10	12.46	13.00	12.68	12.58	11.85	11.36	11.76	11.79	13.78	13.38
16	13.25	13.14	12.45	12.96	12.79	12.56	11.67	11.24	11.71	11.73	13.48	13.32
17	12.89	12.86	12.31	12.92	12.68	12.52	11.66	11.26	11.67	11.85	13.54	13.29
18	12.97	12.00	12.15	12.93	12.56	12.43	11.58	11.30	11.66	12.18	13.69	13.26
19	12.89	12.46	11.83	12.90	12.43	12.50	11.53	11.34	11.66	12.71	13.79	13.25
20	13.32	14.02	11.71	12.86	12.32	12.57	11.72	11.36	11.63	12.22	13.77	13.21
21	13.19	13.85	11.61	12.81	12.39	12.56	11.63	11.32	11.63	12.34	13.77	13.15
22	13.03	13.53	11.67	12.92	12.42	12.54	11.55	11.23	11.76	12.07	13.69	13.09
23	12.82	13.10	12.19	12.96	12.41	12.53	11.49	11.13	12.31	11.58	13.58	13.04
24	12.62	12.69	12.42	12.96	12.54	12.53	11.45	11.19	12.90	11.52	13.40	12.96
25	12.49	12.39	12.59	12.97	12.66	12.55	11.42	11.26	12.62	11.79	13.04	12.91
26	12.35	13.30	12.72	12.97	12.69	12.60	11.28	11.24	12.30	13.03	12.91	12.93
27	12.19	14.11	12.79	12.93	12.66	12.85	11.18	11.19	12.09	13.17	13.29	12.99
28	12.05	14.04	12.82	12.90	12.66	13.01	11.24	11.21	11.95	13.32	13.90	12.98
29	11.92	13.97	12.82	12.81	12.65	13.04	11.27	11.31	11.86	13.34	13.94	12.89
30	11.84	13.84	12.81	12.75	---	13.01	11.29	11.34	11.75	13.60	13.79	12.82
31	11.82	---	12.76	12.72	---	12.95	---	11.30	---	13.67	13.67	---
TOTAL	404.12	407.36	390.53	400.63	366.13	390.59	358.17	355.44	352.43	371.70	415.85	400.41
MEAN	13.04	13.58	12.60	12.92	12.63	12.60	11.94	11.47	11.75	11.99	13.41	13.35
MAX	13.93	14.45	13.74	13.29	12.80	13.04	12.88	11.87	12.90	13.67	14.10	13.77
MIN	11.82	12.00	11.61	12.71	12.32	12.39	11.18	11.13	11.26	11.05	12.27	12.82

AUXILIARY GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	154	620	---	---	e21	e64	e14	e12	e13	520	525
2	---	363	573	---	e42	e21	e83	e-17	e.00	e21	463	456
3	---	682	478	e.00	---	e60	e63	e47	e.00	e19	439	388
4	---	799	391	---	---	e59	e62	e.00	e13	e19	355	348
5	---	792	368	---	---	e20	e21	e.00	e13	e10	260	318
6	e48	812	312	---	---	e.00	e41	e17	e13	e19	160	291
7	---	832	218	e.00	---	e-21	e.00	e.00	e14	e34	148	295
8	---	833	279	---	---	e20	e.00	e32	e41	e48	158	315
9	---	817	279	---	---	e57	e20	e32	e42	e73	225	298
10	---	794	253	---	---	e20	e38	e16	e30	e47	325	261
11	---	778	295	---	---	e.00	e36	e.00	e16	e47	602	204
12	---	720	294	---	---	e21	e35	e14	e.00	e47	681	203
13	579	674	245	---	---	e40	e18	e14	e16	e42	649	201
14	533	601	243	---	---	e.00	e17	e-14	e16	e46	620	159
15	422	566	233	---	---	e-44	e62	e-13	e.00	e32	597	e71
16	385	556	221	---	---	e-44	e30	e12	e16	e45	572	e47
17	449	495	188	---	---	e.00	e44	e23	e15	e33	602	e47
18	452	331	115	---	---	e58	e55	e35	e30	144	600	e24
19	440	425	101	---	---	e-21	e41	e25	e30	100	593	e24
20	113	744	107	---	---	e-21	e16	e13	e.00	103	564	e.00
21	e46	705	102	---	---	e.00	e29	e24	e29	e57	550	e-24
22	e-73	637	105	---	---	e40	e.00	e22	e46	e68	540	e-24
23	e-23	570	e37	---	---	e59	e14	e10	150	145	495	e-24
24	e21	490	e20	---	---	e59	e27	e32	104	153	420	e.00
25	e20	380	e21	---	---	e41	e26	e12	e80	291	286	e-23
26	e20	527	e.00	---	---	e41	e23	e.00	e56	465	301	e-23
27	e37	756	e.00	---	e.00	e22	e21	e11	e36	447	495	e-23
28	e35	732	---	---	e.00	e23	e.00	e22	e17	440	658	e.00
29	e33	698	---	---	e21	e45	e.00	e12	e33	508	656	e.00
30	e32	658	---	---	---	e66	e12	e25	e.00	549	604	e.00
31	e32	---	---	---	---	e65	---	e24	---	513	558	---
TOTAL	---	18921	---	---	---	707.00	898.00	444.00	868.00	4578	14696	4334.00
MEAN	---	631	---	---	---	22.8	29.9	14.3	28.9	148	474	144
MAX	---	833	---	---	---	66	83	47	150	549	681	525
MIN	---	154	---	---	---	-44	.00	-17	.00	10	148	-24
AC-FT	---	37530	---	---	---	1400	1780	881	1720	9080	29150	8600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1988, BY WATER YEAR (WY)

MEAN	187	131	30.8	53.4	87.3	81.2	21.3	6.43	94.4	474	381	314
MAX	558	631	154	208	386	299	57.5	38.4	195	1404	921	640
(WY)	1983	1988	1978	1979	1983	1983	1983	1979	1978	1982	1982	1979
MIN	-27.7	-45.8	-39.5	-21.0	-7.39	-31.5	.000	-39.6	7.47	57.7	6.94	85.1
(WY)	1981	1986	1983	1985	1986	1985	1978	1983	1979	1980	1987	1984

SUMMARY STATISTICS

WATER YEARS 1978 - 1988

ANNUAL MEAN	209	
HIGHEST ANNUAL MEAN	246	1978
LOWEST ANNUAL MEAN	173	1979
HIGHEST DAILY MEAN	1750	Jun 26 1982
LOWEST DAILY MEAN	-418	Sep 6 1987
ANNUAL SEVEN-DAY MINIMUM	-147	Sep 1 1987
ANNUAL RUNOFF (AC-FT)	151700	
10 PERCENT EXCEEDS	486	
50 PERCENT EXCEEDS	42	
90 PERCENT EXCEEDS	-21	

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 249

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.78	12.02	12.28	11.73	11.55	11.07	11.45	12.69	11.14	13.74	11.30	11.41
2	12.77	12.01	12.31	11.71	11.49	10.98	11.46	12.75	11.17	14.13	11.25	11.44
3	12.66	12.06	12.30	11.62	11.56	10.97	11.41	12.76	11.12	14.02	11.14	12.56
4	12.56	12.36	12.28	11.66	11.66	11.16	11.37	12.71	10.98	14.24	10.96	14.16
5	12.54	12.78	12.27	11.62	11.67	11.10	11.35	12.60	10.88	14.28	11.11	14.12
6	12.56	13.12	12.30	11.60	11.67	11.01	11.32	12.61	10.90	13.87	11.18	13.75
7	12.47	13.20	12.28	11.67	11.51	11.16	11.24	12.61	11.14	13.16	11.07	13.44
8	12.40	13.16	12.28	11.77	11.46	11.46	11.20	12.57	11.31	12.76	11.25	13.29
9	12.36	13.01	12.23	11.84	11.56	11.48	11.27	12.48	11.39	12.57	11.82	13.26
10	12.33	12.88	12.15	11.92	11.60	11.46	11.30	12.29	11.41	12.27	11.96	13.24
11	12.28	12.75	12.10	11.98	11.51	11.44	11.30	12.18	11.29	12.13	11.92	13.11
12	12.21	12.62	12.18	11.98	11.48	11.37	11.48	12.17	11.33	11.83	11.94	12.93
13	12.16	12.50	12.22	11.94	11.43	11.31	11.50	12.13	11.39	11.69	12.08	12.85
14	12.14	12.39	12.25	11.89	11.41	11.26	11.61	12.16	11.35	11.62	11.94	12.77
15	12.19	12.33	12.23	11.88	11.38	11.17	11.82	12.30	11.38	11.60	11.23	12.85
16	12.25	12.31	12.20	11.85	11.33	11.15	11.92	12.34	11.39	11.62	11.71	12.64
17	12.33	12.32	12.20	11.84	11.26	11.28	11.91	12.23	11.31	11.69	11.82	12.76
18	12.29	12.29	12.15	11.86	11.21	11.44	12.17	12.03	11.14	11.86	11.77	12.49
19	12.26	12.15	12.09	11.85	11.17	11.59	12.32	11.98	11.11	12.04	11.76	13.01
20	12.27	12.10	12.01	11.86	11.09	11.66	12.50	12.00	11.16	11.63	11.87	13.15
21	12.29	12.12	12.00	11.93	11.05	11.71	12.80	11.98	11.35	11.51	11.96	12.96
22	12.34	12.17	12.05	11.96	11.06	11.72	12.94	11.92	11.55	11.68	12.17	13.07
23	12.36	12.15	12.02	12.09	10.98	11.59	12.94	11.75	11.73	11.56	11.51	13.27
24	12.37	12.25	11.96	12.03	10.92	11.74	12.86	11.74	11.88	11.51	11.76	13.54
25	12.40	12.21	11.91	11.97	10.91	11.84	12.83	11.72	11.92	11.65	11.64	13.56
26	12.38	12.15	11.85	11.88	11.02	11.80	12.76	11.54	11.99	11.73	11.57	13.40
27	12.19	12.12	11.77	11.83	11.13	11.75	12.68	11.53	12.11	11.61	11.73	13.22
28	12.00	12.16	11.74	11.79	11.11	11.65	12.58	11.52	12.32	11.51	11.78	13.13
29	11.97	12.17	11.75	11.71	---	11.55	12.49	11.51	12.62	11.45	11.83	13.09
30	11.97	12.17	11.75	11.63	---	11.46	12.60	11.44	13.18	11.42	11.76	12.96
31	11.94	---	11.73	11.62	---	11.38	---	11.23	---	11.38	11.62	---
TOTAL	382.02	372.03	374.84	366.51	317.18	353.71	359.38	375.47	344.94	379.76	360.41	391.43
MEAN	12.32	12.40	12.09	11.82	11.33	11.41	11.98	12.11	11.50	12.25	11.63	13.05
MAX	12.78	13.20	12.31	12.09	11.67	11.84	12.94	12.76	13.18	14.28	12.17	14.16
MIN	11.94	12.01	11.73	11.60	10.91	10.97	11.20	11.23	10.88	11.38	10.96	11.41

BASE GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289030 (262310080555001) LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.77	---	12.28	11.72	---	11.05	11.47	12.63	11.10	13.67	11.25	11.36
2	12.75	---	12.33	11.71	---	10.94	11.45	12.72	11.13	14.04	11.21	11.37
3	12.63	---	12.31	11.63	---	10.94	11.38	12.73	11.08	13.92	11.11	12.44
4	12.53	---	12.29	11.67	---	11.12	11.33	12.67	10.95	14.09	10.94	13.82
5	12.53	---	12.28	11.62	---	11.04	11.32	12.56	10.84	14.15	11.09	13.81
6	12.56	---	12.32	11.59	---	10.98	11.33	12.57	10.84	13.64	11.15	13.48
7	12.48	---	12.30	11.66	---	11.16	11.23	12.59	11.09	12.98	11.03	13.28
8	12.40	---	12.30	11.75	---	11.49	11.18	12.55	11.25	12.65	11.22	13.16
9	12.35	---	12.25	11.83	---	11.51	11.25	12.44	11.34	12.49	11.79	13.16
10	12.33	12.87	12.18	11.92	---	11.49	11.28	12.27	11.39	12.21	11.93	13.16
11	12.27	12.75	12.11	11.99	---	11.48	11.31	12.17	11.27	12.08	11.88	13.06
12	12.21	12.62	12.21	11.97	---	11.37	11.48	12.17	11.29	11.77	11.92	12.90
13	12.17	12.49	12.26	11.93	---	11.30	11.49	12.11	11.35	11.63	12.07	12.81
14	12.15	12.38	12.26	11.87	---	11.23	11.60	12.13	11.31	11.58	11.89	12.73
15	12.19	12.32	12.24	11.86	---	11.14	11.80	12.28	11.31	11.56	11.15	12.82
16	12.26	12.29	12.20	11.83	11.32	11.13	11.90	12.32	11.32	11.57	11.69	12.59
17	12.34	12.31	12.22	11.84	11.24	11.28	11.89	12.21	11.26	11.64	11.78	12.74
18	12.29	12.27	12.17	11.85	11.21	11.44	12.17	12.01	11.10	11.82	11.74	12.43
19	12.26	12.13	12.10	11.84	11.17	11.59	12.31	11.97	11.06	12.00	11.72	12.93
20	12.27	12.07	12.01	11.84	11.05	11.64	12.50	11.99	11.12	11.50	11.81	13.07
21	12.30	12.10	12.00	11.93	11.00	11.68	12.80	11.96	11.32	11.42	11.89	12.92
22	12.35	12.11	12.05	11.95	11.05	11.69	12.94	11.89	11.52	11.61	12.08	13.02
23	12.36	12.11	12.02	12.10	10.99	11.56	12.93	11.72	11.70	11.51	11.40	13.14
24	12.37	12.25	11.96	12.03	10.93	11.74	12.84	11.72	11.85	11.47	11.69	13.37
25	12.39	12.20	11.91	11.96	10.92	11.84	12.82	11.70	11.89	11.62	11.58	13.37
26	12.38	12.12	11.86	11.85	11.02	11.78	12.75	11.53	11.96	11.70	11.52	13.25
27	---	12.08	11.76	11.81	11.12	11.72	12.66	11.51	12.08	11.57	11.68	13.11
28	---	12.15	11.73	11.78	11.09	11.62	12.56	11.51	12.28	11.48	11.75	13.08
29	---	12.17	11.75	11.69	---	11.52	12.46	11.49	12.58	11.42	11.79	13.03
30	---	12.15	11.73	11.60	---	11.43	12.55	11.41	13.14	11.38	11.72	12.91
31	---	---	11.71	11.61	---	11.36	---	11.20	---	11.34	11.58	---
TOTAL	---	---	375.10	366.23	---	353.26	358.98	374.73	343.72	377.51	359.05	388.32
MEAN	---	---	12.10	11.81	---	11.40	11.97	12.09	11.46	12.18	11.58	12.94
MAX	---	---	12.33	12.10	---	11.84	12.94	12.73	13.14	14.15	12.08	13.82
MIN	---	---	11.71	11.59	---	10.94	11.18	11.20	10.84	11.34	10.94	11.36

AUXILIARY GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 251

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e22	---	e.00	e16	---	e19	e-29	115	e38	162	e53	e58
2	e42	---	e-41	e.00	---	e31	e14	e62	e39	215	e42	e78
3	e61	---	e-20	e-16	---	e23	e37	e62	e37	231	e29	196
4	e59	---	e-20	e-16	---	e39	e47	e81	e24	332	e16	548
5	e21	---	e-20	e.00	---	e50	e35	e78	e26	299	e20	520
6	e.00	---	e-41	e15	---	e25	e-13	e79	e37	419	e31	448
7	e-21	---	e-41	e15	---	e.00	e12	e41	e45	307	e35	302
8	e.00	---	e-41	e31	---	e-46	e21	e41	e62	195	e33	251
9	e20	---	e-40	e16	---	e-46	e23	e76	e57	143	e47	202
10	e.00	e22	e-61	e.00	---	e-46	e23	e38	e25	103	e49	167
11	e19	e.00	e-19	e-18	---	e-62	e-13	e19	e23	e83	e63	108
12	e.00	e.00	e-61	e17	---	e.00	e.00	e.00	e45	e87	e33	e65
13	e-19	e20	e-84	e17	---	e12	e14	e36	e47	e81	e18	e83
14	e-19	e20	e-20	e33	---	e33	e15	e53	e46	e55	e78	e82
15	e.00	e19	e-20	e33	---	e30	e32	e38	e75	e54	e72	e64
16	e-20	e38	e.00	e32	e12	e20	e33	e38	e75	e67	e30	e97
17	e-20	e19	e40	e.00	e23	e.00	e33	e37	e54	e69	e61	e42
18	e.00	e38	e-39	e17	e.00	e.00	e.00	e35	e38	e62	e46	110
19	e.00	e36	e-19	e17	e.00	e.00	e19	e17	e44	e66	e59	159
20	e.00	e52	e.00	e32	e36	e30	e.00	e18	e39	138	e88	164
21	e-20	e36	e.00	e.00	e41	e44	e.00	e34	e35	e99	104	e85
22	e-20	e99	e.00	e17	e10	e44	e.00	e49	e41	e91	138	107
23	e.00	e69	e.00	e-19	e-9.0	e42	e22	e45	e45	e64	114	250
24	e.00	e.00	e.00	e.00	e-8.0	e.00	e43	e31	e48	e51	e95	321
25	e20	e19	e.00	e17	e-8.0	e.00	e22	e30	e49	e43	e78	348
26	e.00	e53	e-17	e48	e.00	e32	e22	e14	e50	e45	e65	285
27	---	e68	e16	e32	e10	e45	e42	e28	e52	e54	e71	217
28	---	e19	e16	e16	e20	e43	e41	e14	e73	e40	e46	108
29	---	e.00	e.00	e30	---	e41	e58	e27	e79	e38	e61	126
30	---	e36	e31	e42	---	e38	e96	e38	e89	e48	e59	104
31	---	---	e31	e15	---	e25	---	e32	---	e47	e55	---
TOTAL	---	---	-470.00	439.00	---	466.00	649.00	1306.00	1437	3788	1789	5695
MEAN	---	---	-15.2	14.2	---	15.0	21.6	42.1	47.9	122	57.7	190
MAX	---	---	40	48	---	50	96	115	89	419	138	548
MIN	---	---	-84	-19	---	-62	-29	.00	23	38	16	42
AC-FT	---	---	-932	871	---	924	1290	2590	2850	7510	3550	11300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1989, BY WATER YEAR (WY)

MEAN	187	131	25.7	49.1	87.3	74.6	21.4	10.9	85.1	415	352	303
MAX	558	631	154	208	386	299	57.5	42.1	195	1404	921	640
(WY)	1983	1988	1978	1979	1983	1983	1983	1989	1978	1982	1982	1979
MIN	-27.7	-45.8	-39.5	-21.0	-7.39	-31.5	.000	-39.6	7.47	57.7	6.94	85.1
(WY)	1981	1986	1983	1985	1986	1985	1978	1983	1979	1980	1987	1984

SUMMARY STATISTICS

WATER YEARS 1978 - 1989

ANNUAL MEAN	209	
HIGHEST ANNUAL MEAN	246	1978
LOWEST ANNUAL MEAN	173	1979
HIGHEST DAILY MEAN	1750	Jun 26 1982
LOWEST DAILY MEAN	-418	Sep 6 1987
ANNUAL SEVEN-DAY MINIMUM	-147	Sep 1 1987
ANNUAL RUNOFF (AC-FT)	151700	
10 PERCENT EXCEEDS	463	
50 PERCENT EXCEEDS	40	
90 PERCENT EXCEEDS	-20	

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.84	---	---	13.22	12.89	12.54	---	11.19	12.13	12.55	12.82	13.36
2	12.84	---	---	13.27	12.87	12.50	---	11.18	12.19	12.59	12.81	13.31
3	13.17	---	---	13.31	12.67	12.55	11.98	11.13	12.22	12.67	12.75	13.26
4	13.03	---	---	13.34	12.72	12.59	11.99	11.05	12.25	12.74	12.78	13.23
5	13.17	---	12.37	13.36	12.83	---	11.98	10.98	12.33	12.85	12.76	13.23
6	---	---	12.36	13.36	12.80	---	11.92	11.03	12.37	12.91	12.78	13.22
7	---	---	12.34	13.35	12.82	---	11.87	11.06	12.40	12.95	12.76	13.16
8	---	---	12.34	13.34	12.81	---	11.89	11.08	12.48	12.96	12.72	13.10
9	---	---	12.44	13.34	12.78	---	11.83	11.06	12.56	12.96	12.69	13.05
10	---	---	---	13.33	12.74	---	11.78	11.21	12.62	12.97	12.74	12.99
11	---	---	---	13.28	12.81	---	11.78	11.63	12.64	12.97	12.83	12.86
12	---	---	---	13.16	12.92	---	11.76	11.96	12.68	12.97	12.83	12.64
13	---	---	---	13.10	12.89	---	11.65	12.18	12.68	13.02	12.82	12.44
14	---	---	---	13.05	12.88	---	11.65	12.25	12.64	13.10	12.96	12.22
15	---	---	---	13.05	12.84	---	11.68	12.22	12.60	13.41	13.00	12.07
16	---	---	---	13.08	12.64	---	11.68	12.24	12.54	13.35	13.02	12.01
17	---	---	---	13.11	12.66	---	11.59	12.22	12.47	13.08	12.98	11.99
18	---	---	---	13.13	12.65	---	11.59	12.20	12.34	13.37	13.00	12.04
19	---	---	---	13.09	12.61	---	11.52	12.15	12.23	13.18	13.05	12.06
20	---	---	---	13.05	12.36	---	11.53	12.02	12.17	13.11	13.16	12.09
21	---	---	---	13.03	12.12	---	11.45	11.90	12.15	13.10	13.16	12.03
22	---	---	---	12.98	11.98	---	11.40	11.85	12.17	13.11	13.15	12.02
23	---	---	---	12.79	12.15	---	11.31	11.87	12.16	13.11	13.23	12.12
24	---	---	---	12.85	12.37	---	11.23	11.89	12.16	13.20	13.26	12.27
25	---	---	---	12.88	12.47	---	11.18	11.97	12.19	13.23	13.33	12.09
26	---	---	---	12.89	12.54	---	11.05	11.97	12.25	13.14	13.45	11.82
27	---	---	---	12.65	12.48	---	11.00	12.00	12.32	13.08	13.48	11.73
28	---	---	---	12.66	12.51	---	10.94	12.03	12.38	13.03	13.55	11.63
29	---	---	---	12.68	---	---	11.09	12.00	12.45	12.98	13.74	11.55
30	---	---	---	12.77	---	---	11.17	12.01	12.51	12.93	13.78	11.69
31	---	---	---	12.85	---	---	---	12.08	---	12.87	13.44	---
TOTAL	---	---	---	405.35	353.81	---	---	363.61	371.28	403.49	404.83	373.28
MEAN	---	---	---	13.08	12.64	---	---	11.73	12.38	13.02	13.06	12.44
MAX	---	---	---	13.36	12.92	---	---	12.25	12.68	13.41	13.78	13.36
MIN	---	---	---	12.65	11.98	---	---	10.98	12.13	12.55	12.69	11.55

BASE GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 253

02289030 (262310080555001) LEVEE 3 CANAL NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.78	11.42	12.58	13.21	12.88	12.54	11.98	11.18	12.10	---	12.79	13.23
2	12.76	11.71	12.55	13.26	12.85	12.48	11.99	11.16	12.17	---	12.78	13.20
3	13.08	11.97	12.57	13.31	12.63	12.54	12.00	11.10	12.20	12.66	12.71	13.16
4	12.99	12.10	12.45	13.33	12.69	12.59	12.01	11.03	12.23	12.73	12.74	13.13
5	13.11	12.20	12.40	13.35	12.86	12.58	11.99	10.97	12.30	12.84	12.73	13.14
6	12.45	12.28	12.38	13.35	12.79	12.59	11.92	11.02	12.34	12.92	12.75	13.13
7	12.17	12.33	12.36	13.33	12.82	12.57	11.86	11.07	12.36	12.96	12.73	13.08
8	12.25	12.33	12.35	13.33	12.80	12.53	11.91	11.07	12.44	12.96	12.69	13.03
9	12.38	12.37	12.46	13.34	12.75	12.48	11.82	11.04	12.52	12.96	12.66	12.99
10	12.33	12.44	12.45	13.33	12.71	12.43	11.75	11.19	---	12.97	12.72	12.94
11	12.94	12.47	12.42	13.28	12.80	12.43	11.77	11.63	---	12.97	12.81	12.79
12	13.23	12.44	12.44	13.17	12.95	12.41	11.78	11.95	---	12.96	12.81	---
13	12.78	12.43	12.55	13.14	12.88	12.39	11.66	12.17	---	13.01	12.80	---
14	12.60	12.45	12.61	13.06	12.86	12.35	11.65	12.24	---	13.08	12.94	---
15	12.78	12.46	12.59	13.06	12.82	12.26	11.67	12.21	---	13.39	12.98	---
16	12.70	12.52	12.51	13.08	12.60	12.07	11.67	12.21	---	13.30	13.01	---
17	12.77	12.57	12.52	13.10	12.64	12.03	11.58	12.20	---	13.03	12.98	---
18	12.63	12.59	12.49	13.12	12.64	12.19	11.57	12.18	---	13.27	12.99	---
19	12.43	12.54	12.48	13.08	12.60	12.17	11.51	12.12	---	13.13	13.03	---
20	12.33	12.49	12.54	13.04	12.36	12.15	11.52	11.98	---	13.06	13.12	---
21	12.21	12.48	12.58	13.02	12.13	12.19	11.44	11.86	---	13.06	13.13	---
22	12.16	12.40	12.60	12.99	11.97	12.13	11.39	11.82	---	13.08	13.12	---
23	12.06	12.41	12.68	12.79	12.17	12.04	11.29	11.84	---	13.08	13.19	---
24	11.99	12.45	12.66	12.83	12.40	12.00	11.21	11.86	---	13.15	13.22	---
25	11.95	12.43	12.61	12.87	12.50	12.01	11.17	11.95	---	13.18	13.28	---
26	11.85	12.42	12.64	12.93	12.56	11.93	11.04	11.94	---	13.10	13.38	---
27	11.77	12.39	12.75	12.65	12.49	11.91	10.98	11.97	---	13.05	13.41	---
28	11.71	12.42	12.90	12.66	12.51	11.89	10.91	12.00	---	13.01	13.47	---
29	11.56	12.48	12.98	12.66	---	11.79	11.06	11.97	---	12.97	13.64	---
30	11.45	12.58	13.04	12.76	---	11.72	11.15	11.98	---	12.92	13.64	---
31	11.44	---	13.07	12.85	---	11.84	---	12.06	---	12.85	13.30	---
TOTAL	383.64	370.57	390.21	405.28	353.66	379.23	347.25	362.97	---	---	403.55	---
MEAN	12.38	12.35	12.59	13.07	12.63	12.23	11.57	11.71	---	---	13.02	---
MAX	13.23	12.59	13.07	13.35	12.95	12.59	12.01	12.24	---	---	13.64	---
MIN	11.44	11.42	12.35	12.65	11.97	11.72	10.91	10.97	---	---	12.66	---

AUXILIARY GAGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	---	---	e24	e22	e.00	---	e11	e52	---	e63	254
2	153	---	---	e24	e43	e40	---	e21	e37	---	e63	221
3	182	---	---	e.00	e80	e21	e-37	e29	e37	e21	e81	202
4	e86	---	---	e24	e62	e.00	e-38	e18	e37	e22	e82	201
5	128	---	e-64	e24	e-71	---	e-18	e9.0	e56	e22	e62	184
6	---	---	e-42	e24	e22	---	e.00	e9.0	e57	e-23	e63	184
7	---	---	e-42	e47	e.00	---	e17	e-10	e74	e-23	e62	165
8	---	---	e-20	e24	e22	---	e-36	e10	e76	e.00	e62	145
9	---	---	e-43	e.00	e63	---	e16	e18	e78	e.00	e61	125
10	---	---	---	e.00	e62	---	e46	e22	---	e.00	e42	105
11	---	---	---	e.00	e22	---	e16	e.00	---	e.00	e43	138
12	188	---	---	e-24	e-72	---	e-34	e17	---	e23	e43	---
13	---	---	---	e-101	e22	---	e-16	e19	---	e23	e43	---
14	---	---	---	e-24	e43	---	e.00	e19	---	e45	e44	---
15	---	---	---	e-24	e43	---	e15	e19	---	e48	e44	---
16	---	---	---	e.00	e79	---	e15	e54	---	112	e23	---
17	---	---	---	e23	e41	---	e15	e37	---	107	e.00	---
18	---	---	---	e23	e21	---	e28	e37	---	207	e23	---
19	---	---	---	e23	e21	---	e14	e53	---	109	e45	---
20	---	---	---	e23	e.00	---	e14	e66	---	108	e88	---
21	---	---	---	e23	e-19	---	e13	e63	---	e87	e68	---
22	---	---	---	e-23	e17	---	e13	e47	---	e67	e67	---
23	---	---	---	e.00	e-39	---	e24	e48	---	e67	e90	---
24	---	---	---	e43	e-64	---	e22	e48	---	109	e90	---
25	---	---	---	e22	e-66	---	e11	e34	---	110	112	---
26	---	---	---	e-97	e-44	---	e9.0	e50	---	e88	155	---
27	---	---	---	e.00	e-21	---	e27	e50	---	e67	156	---
28	---	---	---	e.00	e.00	---	e22	e51	---	e45	177	---
29	---	---	---	e42	---	---	e28	e50	---	e23	221	---
30	---	---	---	e22	---	---	e21	e50	---	e22	292	---
31	---	---	---	e.00	---	---	---	e35	---	e43	273	---
TOTAL	---	---	---	142.00	289.00	---	---	984.00	---	---	2738.00	---
MEAN	---	---	---	4.58	10.3	---	---	31.7	---	---	88.3	---
MAX	---	---	---	47	80	---	---	66	---	---	292	---
MIN	---	---	---	-101	-72	---	---	-10	---	---	.00	---
AC-FT	---	---	---	282	573	---	---	1950	---	---	5430	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1990, BY WATER YEAR (WY)

MEAN	187	131	25.7	44.6	80.3	74.6	21.4	13.2	85.1	415	330	303
MAX	558	631	154	208	386	299	57.5	42.1	195	1404	921	640
(WY)	1983	1988	1978	1979	1983	1983	1983	1989	1978	1982	1982	1979
MIN	-27.7	-45.8	-39.5	-21.0	-7.39	-31.5	.000	-39.6	7.47	57.7	6.94	85.1
(WY)	1981	1986	1983	1985	1986	1985	1978	1983	1979	1980	1987	1984

SUMMARY STATISTICS

WATER YEARS 1978 - 1990

ANNUAL MEAN	209	
HIGHEST ANNUAL MEAN	246	1978
LOWEST ANNUAL MEAN	173	1979
HIGHEST DAILY MEAN	1750	Jun 26 1982
LOWEST DAILY MEAN	-418	Sep 6 1987
ANNUAL SEVEN-DAY MINIMUM	-147	Sep 1 1987
ANNUAL RUNOFF (AC-FT)	151700	
10 PERCENT EXCEEDS	449	
50 PERCENT EXCEEDS	40	
90 PERCENT EXCEEDS	-20	

e Estimated

02289031 LEVEE 3 CANAL BELOW STRUCTURE G-155, NEAR CLEWISTON, FL

LOCATION.--Lat 26°19'48", long 80°52'48", in NW1/4 sec.7, T.48 S., R.35 E., Broward County, Hydrologic Unit 03090202, approximately 1,050 ft downstream, due east of structure G-155, 3.0 mi northeast of Snake Road, and 35 mi south of Clewiston, FL.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May to August 1992 (gage heights only), September 1992 to current year.

GAGE.--Satellite data collection platform water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Flow affected by structure activity at G-155 and by agricultural pumping. Discharge computed from relations between stage vs. area and line velocity vs. mean velocity of index ratings. Gage height records revised May 1992 through September 1994, based upon new elevation for BM L-4-6. Discharge was not revised. Revised records are available in the files of the U.S. Geological Survey.

ANNUAL MEAN and ANNUAL RUNOFF(AC-FT) SUMMARY STATISTICS.--No complete water years of discharge available for the period of record to compute statistics.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 15.48 ft Oct. 20, 1995; minimum, 10.04 ft June 2, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 15.48 ft Oct. 20; minimum, 10.59 ft May 11.

STATION NUMBER 02289031
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.65	14.00	12.85	11.92	12.17	11.22	11.93	10.95	14.15	14.43	13.60	14.35
2	13.67	13.86	12.66	11.91	12.13	11.26	12.33	11.01	14.05	14.24	13.62	14.29
3	14.14	13.75	12.56	11.89	12.08	11.37	12.35	11.09	13.96	14.10	13.83	14.22
4	14.26	13.62	12.48	11.94	12.16	11.45	12.17	11.16	13.90	14.02	13.85	14.15
5	14.27	13.49	12.37	11.94	12.13	11.47	12.00	11.11	13.73	13.92	13.86	14.02
6	14.39	13.45	12.31	11.92	12.06	11.55	11.85	---	13.57	14.20	13.97	13.94
7	14.43	13.56	12.27	12.03	11.98	11.67	11.71	---	13.47	14.41	13.94	13.94
8	14.45	13.80	12.25	12.28	11.90	11.91	11.70	10.74	13.42	14.42	13.89	13.84
9	14.47	13.89	12.19	12.74	11.84	12.12	11.97	10.68	13.56	14.34	14.03	13.76
10	14.46	13.86	12.15	13.33	11.81	12.13	12.49	10.65	13.95	14.22	14.16	13.74
11	14.42	13.84	12.13	13.23	11.78	12.17	12.69	10.62	14.24	14.11	14.19	e13.75
12	14.28	13.85	12.08	13.18	11.72	12.43	12.63	10.61	14.31	14.03	14.21	13.77
13	14.14	13.83	12.05	13.15	11.65	12.38	12.46	10.65	---	14.11	14.20	13.76
14	14.05	13.78	12.07	13.09	11.58	12.32	12.42	10.86	---	14.18	14.14	13.71
15	14.34	13.70	12.06	13.08	11.52	12.23	12.36	10.91	---	14.15	14.05	13.66
16	14.82	13.76	11.98	13.05	11.46	12.04	12.33	10.88	---	14.11	14.10	13.66
17	15.11	13.78	11.93	12.99	11.42	11.84	12.24	10.83	---	14.04	14.17	13.79
18	15.30	13.76	11.88	12.97	11.38	11.67	12.04	10.77	14.37	13.95	14.06	13.88
19	15.43	13.63	11.85	12.96	11.34	11.69	11.83	10.74	14.43	13.91	14.02	14.01
20	15.46	13.51	11.83	12.94	11.30	11.77	11.66	10.73	14.51	13.91	14.11	13.91
21	15.45	13.47	11.77	12.89	11.29	11.66	11.53	10.82	14.79	13.86	14.13	13.73
22	15.41	13.45	11.75	12.94	11.29	11.55	11.43	11.17	14.98	13.82	14.11	13.68
23	15.31	13.42	11.83	12.81	11.28	11.45	11.34	12.67	15.07	13.76	14.11	13.66
24	15.22	13.45	11.93	12.71	11.28	11.35	11.25	13.43	15.17	13.73	14.35	13.63
25	15.16	13.46	12.00	12.76	11.29	11.25	11.19	13.52	15.29	13.67	14.34	13.58
26	15.07	13.44	12.01	12.69	11.29	11.17	11.13	13.62	---	13.61	14.46	13.57
27	14.98	13.41	11.95	12.54	11.28	11.14	11.08	13.72	---	13.57	14.48	13.72
28	14.80	13.35	11.93	12.51	11.26	11.15	11.05	13.91	---	13.53	14.48	13.55
29	14.65	13.14	11.94	12.38	11.24	11.23	11.01	14.07	14.75	13.49	14.45	13.47
30	14.45	12.99	11.91	12.28	---	11.35	10.96	14.12	14.61	13.48	14.39	13.44
31	14.19	---	11.91	12.19	---	11.62	---	14.17	---	13.57	14.36	---
TOTAL	454.23	408.30	374.88	391.24	336.91	361.61	355.13	---	---	432.89	437.66	414.18
MEAN	14.65	13.61	12.09	12.62	11.62	11.66	11.84	---	---	13.96	14.12	13.81
MAX	15.46	14.00	12.85	13.33	12.17	12.43	12.69	---	---	14.43	14.48	14.35
MIN	13.65	12.99	11.75	11.89	11.24	11.14	10.96	---	---	13.48	13.60	13.44

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289031 LEVEE 3 CANAL BELOW STRUCTURE G-155, NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	97	4.1	4.0	6.4	2.0	13	.37	435	406	83	327
2	160	63	4.3	3.9	.00	.13	19	.46	373	296	99	274
3	420	39	6.7	8.3	5.3	.50	4.8	1.5	303	248	201	244
4	372	12	3.3	3.5	3.6	1.2	1.5	.22	251	206	184	207
5	354	.45	4.5	2.3	4.1	1.4	.65	.50	138	160	197	149
6	446	29	1.9	1.9	1.5	4.9	4.3	e.00	92	372	248	135
7	446	72	6.5	4.6	.68	5.3	6.4	e.00	63	507	214	123
8	441	182	1.6	7.6	.11	11	5.0	.00	e49	464	180	82
9	434	179	2.8	76	8.0	13	14	.00	112	388	286	72
10	416	155	1.3	77	16	3.9	30	.00	373	325	358	72
11	369	147	.70	51	11	8.0	22	.00	498	264	357	e91
12	283	137	1.4	39	5.8	19	8.4	2.8	e475	230	353	92
13	216	124	.50	37	1.6	13	2.6	e1.2	e499	322	329	79
14	187	102	.19	28	4.3	3.6	.91	.00	---	348	273	70
15	403	83	.12	33	4.0	e2.3	.61	.00	e484	311	206	57
16	677	122	.27	21	1.6	4.4	15	.00	---	279	260	80
17	869	120	.45	14	2.4	7.8	.54	.00	e453	242	290	125
18	950	107	.48	18	6.9	2.6	.79	.00	517	204	208	167
19	1000	56	2.1	28	.66	10	.18	e.00	539	215	203	203
20	998	40	.70	23	7.1	6.4	.39	.00	584	197	244	122
21	991	45	2.3	29	13	5.4	.31	.00	788	170	248	59
22	951	51	1.4	19	13	9.2	.17	16	877	148	234	55
23	876	43	4.6	3.6	3.8	.14	.20	95	912	127	247	66
24	807	58	4.9	14	7.9	.43	6.3	212	988	116	407	56
25	763	52	6.6	17	2.0	.32	.38	203	1040	98	364	43
26	688	46	6.2	4.8	.11	.48	2.6	247	---	80	455	55
27	590	41	5.1	13	.10	.38	.06	303	---	63	447	95
28	494	30	5.0	7.7	7.6	.81	.46	414	e633	53	440	30
29	424	7.4	4.8	1.7	5.3	13	.43	459	571	49	404	25
30	299	13	1.2	3.5	---	e9.4	1.2	476	491	52	357	18
31	159	---	.30	8.6	---	e9.9	---	485	---	85	342	---
TOTAL	16608	2252.85	86.31	603.0	143.86	169.89	162.18	2917.05	---	7025	8718	3273
MEAN	536	75.1	2.78	19.5	4.96	5.48	5.41	94.1	---	227	281	109
MAX	1000	182	6.7	77	16	19	30	485	---	507	455	327
MIN	125	.45	.12	1.7	.00	.13	.06	.00	---	49	83	18
AC-FT	32940	4470	171	1200	285	337	322	5790	---	13930	17290	6490

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1996, BY WATER YEAR (WY)

MEAN	257	67.1	1.62	9.25	44.9	24.6	16.2	26.7	109	160	241	343
MAX	536	181	2.78	19.5	125	42.4	34.0	94.1	168	227	281	491
(WY)	1996	1995	1996	1996	1995	1993	1993	1996	1994	1996	1996	1994
MIN	30.9	.23	.45	-.95	4.96	5.48	2.88	1.16	72.5	46.3	216	109
(WY)	1993	1993	1994	1994	1996	1996	1995	1995	1995	1993	1994	1996

SUMMARY STATISTICS

WATER YEARS 1992 - 1996

HIGHEST DAILY MEAN	1040	Jun 25 1996
LOWEST DAILY MEAN	-23	May 31 1994
ANNUAL SEVEN-DAY MINIMUM	-8.3	Mar 23 1994
10 PERCENT EXCEEDS	361	
50 PERCENT EXCEEDS	38	
90 PERCENT EXCEEDS	-.88	

e Estimated

02289032 LEVEE 4 BELOW STRUCTURE G-88, NEAR CLEWISTON, FL

LOCATION.--Lat 26°19'52", long 80°52'48", in NW1/4 sec.7, T.48 S., R.35 E., Broward County, Hydrologic Unit 03090202, approximately 1,050 ft below structure G-88, 3.0 mi northeast of Snake Road and 35 mi south of Clewiston, FL.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May - July 1992 (gage height only), August 1992 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Flow affected by operation of G-88, pump station S-8, and by agricultural pumping. Flow reversal occurs at times, during agricultural activity. Discharge computed from continuous record of line velocity and stage. Gage height records revised May 1992 through September 1994, based upon new elevation for BM L-4-6. Discharge was not revised. Revised records are available in the files of the U.S. Geological Survey.

ANNUAL MEAN AND ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 2 complete water years of discharge (1994, 1996).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.33 ft Oct. 20, 1995; minimum, 9.20 ft July 7, 1995.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 14.33 ft Oct. 20; minimum, 9.97 ft May 5.

STATION NUMBER 02289032
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.92	13.15	e11.87	11.90	11.13	11.72	11.07	11.39	10.84	12.54	11.91	10.86
2	12.90	13.03	12.15	11.88	10.91	11.91	11.10	11.34	10.70	12.53	12.07	10.97
3	13.32	13.05	12.23	11.86	10.94	12.38	10.75	11.53	10.99	12.37	11.73	11.26
4	13.46	12.89	12.29	11.25	10.97	12.02	10.57	11.51	11.18	12.26	11.67	11.11
5	13.44	12.78	12.29	11.11	10.85	11.64	10.58	10.85	11.04	12.15	11.58	10.44
6	13.63	11.81	12.02	11.27	11.07	11.47	11.25	10.45	11.09	12.68	11.81	10.55
7	13.43	11.20	11.99	11.66	11.60	11.35	11.67	10.67	11.05	12.40	11.98	11.45
8	13.42	11.04	11.88	11.80	11.88	11.22	11.46	10.77	10.98	12.27	11.70	12.12
9	13.47	10.84	11.72	11.69	11.98	11.06	11.00	11.04	11.57	12.34	11.01	11.23
10	13.44	10.81	11.92	11.80	12.17	10.85	10.79	11.09	10.69	12.00	10.43	10.69
11	13.41	11.01	12.01	11.81	11.92	10.93	10.51	11.32	10.50	11.68	10.34	e11.03
12	13.27	11.23	11.89	11.39	11.77	11.34	10.78	11.59	10.76	12.31	11.15	e10.67
13	13.20	11.21	11.97	11.51	11.69	11.10	11.41	11.77	10.58	12.44	11.31	10.70
14	13.16	11.09	12.21	11.62	11.53	10.76	11.51	11.96	10.64	11.98	11.01	10.78
15	13.40	11.15	12.03	11.75	11.52	10.67	11.50	11.80	11.38	12.24	11.48	10.80
16	13.84	11.85	11.68	11.90	11.54	10.60	11.55	11.26	11.33	12.27	11.00	10.82
17	14.02	12.01	11.65	12.05	11.56	10.57	11.54	11.00	11.19	11.84	10.65	e11.26
18	14.16	12.01	11.46	11.94	11.04	10.56	11.72	11.40	10.74	11.61	10.76	11.35
19	14.24	11.97	11.52	11.62	11.32	10.53	11.85	11.39	10.95	10.93	10.86	11.29
20	14.28	11.95	11.60	11.55	11.48	10.52	11.74	11.55	10.63	10.53	11.33	11.01
21	14.27	11.89	11.76	11.31	11.53	10.46	11.86	11.22	11.04	10.61	11.54	10.99
22	14.23	12.06	11.88	11.36	11.57	10.44	11.86	11.02	10.57	10.59	11.59	11.00
23	14.14	12.04	12.15	11.52	11.66	10.85	11.69	10.92	10.72	10.75	10.88	11.17
24	14.08	12.06	12.36	11.52	11.81	11.04	11.67	11.03	10.92	11.34	10.90	11.15
25	14.00	12.10	11.87	11.45	11.90	11.08	11.65	11.68	11.11	11.53	11.43	10.83
26	13.93	12.10	11.61	11.38	11.88	11.25	11.63	11.60	12.32	11.40	11.44	10.81
27	13.86	12.03	11.49	11.41	11.81	11.69	11.79	11.52	13.05	11.63	11.63	11.52
28	13.74	11.90	11.56	11.41	11.71	11.96	11.96	10.73	12.96	11.60	10.98	11.84
29	13.64	11.87	11.53	11.36	11.64	11.81	11.87	11.02	12.86	11.46	11.72	12.05
30	13.49	11.99	11.78	11.27	---	11.50	11.61	10.85	12.62	11.31	11.66	12.14
31	13.31	---	12.09	11.15	---	11.09	---	10.83	---	11.77	11.36	---
TOTAL	423.10	356.12	368.46	358.50	334.38	346.37	341.94	348.10	337.00	365.36	350.91	333.89
MEAN	13.65	11.87	11.89	11.56	11.53	11.17	11.40	11.23	11.23	11.79	11.32	11.13
MAX	14.28	13.15	12.36	12.05	12.17	12.38	11.96	11.96	13.05	12.68	12.07	12.14
MIN	12.90	10.81	11.46	11.11	10.85	10.44	10.51	10.45	10.50	10.53	10.34	10.44

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289032 LEVEE 4 BELOW STRUCTURE G-88, NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	536	586	e40	61	6.6	-3.0	9.5	6.6	115	427	1.7	55
2	543	567	50	67	.15	-20	9.2	1.5	111	362	3.0	32
3	620	520	27	68	11	-9.6	1.9	10	111	337	12	83
4	647	497	42	60	9.7	-6.9	.12	58	97	332	15	72
5	647	487	10	48	8.1	2.8	1.1	37	95	305	8.5	17
6	660	276	16	38	-13	5.3	6.5	2.2	75	369	4.9	19
7	700	131	8.1	51	-16	6.2	6.7	.23	24	424	11	85
8	702	140	27	19	-8.6	7.9	7.6	1.4	16	414	10	104
9	707	107	50	13	-19	6.8	6.9	.90	22	407	33	102
10	700	106	52	12	-19	5.5	7.5	-.04	110	369	47	93
11	687	86	15	14	-5.1	4.0	7.2	2.4	121	335	42	e94
12	653	98	8.5	58	1.2	5.0	.43	2.6	124	327	42	e87
13	624	97	31	58	-6.3	4.2	4.3	1.1	121	350	19	103
14	613	91	44	24	-9.2	.52	2.7	-1.0	114	351	17	94
15	679	81	11	44	-4.1	.31	2.7	3.6	93	334	16	79
16	798	e86	17	41	4.6	8.6	4.2	3.2	95	328	19	69
17	882	88	50	9.0	8.6	20	4.0	-1.7	101	260	39	e93
18	940	85	21	8.6	-.76	30	.16	-1.5	111	227	15	84
19	970	e66	59	15	-9.9	17	1.5	.61	131	114	30	85
20	993	e47	60	52	-15	9.8	.78	-1.3	124	36	43	68
21	995	e-2.2	53	18	-12	9.1	.57	3.6	163	29	46	67
22	980	e34	20	8.5	-5.3	11	.81	88	175	22	42	68
23	949	55	57	4.4	-21	2.4	-20	116	187	21	31	67
24	914	57	47	8.4	-21	-2.1	-13	95	211	16	22	65
25	872	52	17	11	-4.5	-2.3	-23	80	230	14	33	51
26	841	43	13	6.4	-15	-3.7	-28	75	436	9.2	88	27
27	809	36	18	9.7	-9.3	-2.6	-8.0	107	534	5.5	140	41
28	764	30	38	6.9	-9.5	2.6	-1.1	103	522	4.7	133	15
29	716	12	17	7.4	-8.6	-.56	-11	132	499	5.1	133	19
30	668	42	12	8.1	---	6.4	4.7	146	469	7.6	115	12
31	614	---	30	6.5	---	8.2	---	143	---	.88	78	---
TOTAL	23423	4600.8	960.6	855.9	-182.21	122.87	-13.03	1214.40	5337	6542.98	1289.1	1950
MEAN	756	153	31.0	27.6	-6.28	3.96	-.43	39.2	178	211	41.6	65.0
MAX	995	586	60	68	11	30	9.5	146	534	427	140	104
MIN	536	-2.2	8.1	4.4	-21	-20	-28	-1.7	16	.88	1.7	12
AC-FT	46460	9130	1910	1700	-361	244	-26	2410	10590	12980	2560	3870

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1996, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996
MEAN	406	131	134	121	39.7
MAX	756	242	438	290	64.3
(WY)	1996	1995	1995	1995	1993
MIN	208	31.8	13.7	23.8	-6.28
(WY)	1993	1994	1994	1994	1996

SUMMARY STATISTICS

FOR 1996 WATER YEAR

WATER YEARS 1992 - 1996

ANNUAL TOTAL	46101.41	
ANNUAL MEAN	126	113
HIGHEST ANNUAL MEAN		126
LOWEST ANNUAL MEAN		99.2
HIGHEST DAILY MEAN	995	Oct 21
LOWEST DAILY MEAN	-28	Apr 26
ANNUAL SEVEN-DAY MINIMUM	-15	Apr 23
ANNUAL RUNOFF (AC-FT)	91440	81560
10 PERCENT EXCEEDS	505	506
50 PERCENT EXCEEDS	30	47
90 PERCENT EXCEEDS	-1.6	-11

e Estimated

02289040 TAMiami CANAL OUTLETS, LEVEE 67A TO 40-MILE BEND, NEAR MIAMI, FL

LOCATION.--Lat 25°45'22", long 80°43'34", T.54 S., R.36 E., Dade County, Hydrologic Unit 03090202, on south bank of levee 29 borrow canal, 100 ft northwest of control structure 12-C, and 33 mi west of Miami. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1939 to September 1963 (monthly discharge), October 1963 to current year.

REVISED RECORDS.--WDR FL-87-2A: 1986. WDR FL-89-2A: 1983.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records fair. Discharge is the total discharge through the S-12 structures A, B, C, and D from Conservation Area 3A. Prior to October 1963 discharge was the total discharge of station, Tamiami Canal Outlets, Miami to Monroe (station 02289000). The daily discharge computed from relation between discharge, head, and gate openings when flow is controlled by gates and computed by relation between stage and discharge under uncontrolled conditions. Satellite data collection platform at S-12-C downstream that records upstream and down stream gages.

COOPERATION.--Gate-opening records for S-12 complex provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Average annual mean discharge, 555 ft³/s, 402, 100 acre-ft/yr. Figures represent 56 complete water years of discharge (1941-96). Monthly discharge only, available 1941-63 water years.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.87 ft Dec. 21, 1994; minimum, 5.17 ft June 19, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.49 ft Oct. 19, 20, 21, 22; minimum, 8.84 ft May 20.

STATION NUMBER 02289040
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.06	11.35	10.94	10.31	9.87	9.59	9.31	8.99	9.20	9.39	9.49	9.80
2	11.06	11.35	10.92	10.28	9.86	9.58	9.29	8.99	9.20	9.38	9.50	9.76
3	11.05	11.35	10.90	10.31	9.86	9.62	9.28	9.01	9.19	9.38	9.53	9.74
4	10.99	11.35	10.89	10.31	9.86	9.61	9.25	9.03	9.19	9.37	9.53	9.71
5	11.04	11.34	10.87	10.30	9.87	9.60	9.23	9.02	9.21	9.38	9.52	9.68
6	11.27	11.33	10.85	10.28	9.86	9.59	9.20	9.01	9.19	9.40	9.52	9.65
7	11.29	11.30	10.83	10.27	9.84	9.57	9.18	8.99	9.16	9.40	9.52	9.67
8	11.30	11.29	10.81	10.26	9.85	9.62	9.20	8.97	9.15	9.40	9.52	9.71
9	11.30	11.30	10.79	10.23	9.85	9.61	9.30	8.96	9.14	9.41	9.52	9.74
10	11.31	11.27	10.78	10.21	9.85	9.62	9.33	8.94	9.22	9.42	9.53	9.75
11	11.31	11.26	10.77	10.19	9.84	9.66	9.31	8.92	9.22	9.42	9.53	9.76
12	11.29	11.27	10.73	10.17	9.83	9.66	9.30	8.90	9.23	9.42	9.53	9.75
13	11.28	11.26	10.71	10.16	9.82	9.64	9.29	8.88	9.22	9.44	9.51	9.74
14	11.29	11.25	10.68	10.13	9.80	9.62	9.28	8.88	9.21	9.45	9.50	9.72
15	11.32	11.23	10.66	10.12	9.79	9.61	9.26	8.93	9.19	9.46	9.49	9.69
16	11.40	11.21	10.63	10.10	9.79	9.59	9.26	8.92	9.19	9.50	9.50	9.68
17	11.44	11.19	10.61	10.08	9.79	9.56	9.24	8.91	9.20	9.52	9.52	9.67
18	11.46	11.17	10.58	10.06	9.77	9.53	9.22	8.88	9.22	9.54	9.51	9.65
19	11.48	11.16	10.56	10.04	9.75	9.53	9.20	8.86	9.28	9.55	9.55	9.65
20	11.49	11.14	10.56	10.03	9.73	9.51	9.18	8.84	9.39	9.55	9.55	9.66
21	11.49	11.13	10.53	10.01	9.72	9.50	9.16	8.91	9.47	9.56	9.58	9.65
22	11.49	11.11	10.51	10.00	9.72	9.49	9.14	9.02	9.45	9.58	9.59	9.65
23	11.48	11.09	10.52	9.97	9.71	9.48	9.12	9.06	9.47	9.56	9.60	9.64
24	11.48	11.06	10.50	9.94	9.69	9.46	9.10	9.07	9.53	9.53	9.67	9.65
25	11.47	11.05	10.47	9.94	9.68	9.44	9.08	9.07	9.48	9.53	9.64	9.63
26	11.45	11.03	10.44	9.93	9.66	9.43	9.06	9.08	9.40	9.51	9.74	9.60
27	11.43	11.00	10.41	9.91	9.65	9.41	9.07	9.10	9.39	9.50	9.88	9.58
28	11.41	10.97	10.40	9.89	9.63	9.40	9.04	9.16	9.39	9.50	9.85	9.56
29	11.41	10.95	10.38	9.87	9.61	9.38	9.01	9.19	9.38	9.49	9.83	9.53
30	11.39	10.96	10.35	9.84	---	9.36	8.98	9.19	9.39	9.49	9.82	9.52
31	11.37	---	10.33	9.83	---	9.35	---	9.20	---	9.49	9.86	---
TOTAL	351.30	335.72	329.91	312.97	283.55	295.62	275.87	278.88	278.55	293.52	297.43	290.19
MEAN	11.33	11.19	10.64	10.10	9.78	9.54	9.20	9.00	9.28	9.47	9.59	9.67
MAX	11.49	11.35	10.94	10.31	9.87	9.66	9.33	9.20	9.53	9.58	9.88	9.80
MIN	10.99	10.95	10.33	9.83	9.61	9.35	8.98	8.84	9.14	9.37	9.49	9.52

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289040 TAMiami CANAL OUTLETS, LEVEE 67A TO 40-MILE BEND, NEAR MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4650	5520	4120	2690	1140	195	.00	.00	.00	1610	1580	2310
2	4680	5490	4080	2640	1160	197	.00	.00	.00	1570	1600	2220
3	4630	5470	4050	2710	1170	199	.00	.00	.00	1530	1630	2170
4	4460	5500	4000	2740	1180	199	.00	.00	.00	1490	1630	2070
5	4550	5470	3970	2710	1190	198	.00	.00	.00	1490	1610	1980
6	4980	5390	3910	2690	1180	176	.00	.00	159	1490	1620	1900
7	5000	5310	3850	2680	1040	157	.00	.00	264	1480	1610	1870
8	5040	5240	3780	2670	728	157	.00	.00	260	1460	1590	1870
9	5090	5290	3730	2610	532	159	.00	.00	256	1460	1600	1860
10	5120	5180	3710	2560	536	158	.00	.00	261	1460	1610	1790
11	5090	5090	3690	2530	538	159	.00	.00	261	1430	1590	1800
12	5040	5130	3590	2500	539	161	.00	.00	320	1410	1570	1760
13	4970	5090	3520	2500	538	80	.00	.00	381	1430	1550	1720
14	5040	5030	3460	2450	384	.00	.00	.00	378	1430	1520	1660
15	5150	4980	3400	2430	235	.00	.00	.00	374	1410	1520	1600
16	5420	4900	3340	2400	238	.00	.00	.00	372	1470	1530	1560
17	5560	4840	3290	2360	240	.00	.00	.00	370	1500	1570	1520
18	5720	4770	3230	2330	240	.00	.00	.00	372	1550	1560	1490
19	5780	4710	3190	2290	239	.00	.00	.00	730	1580	1630	1490
20	5820	4640	3180	2260	238	.00	.00	.00	996	1590	1650	1510
21	5840	4610	3140	2220	237	.00	.00	.00	1190	1610	1700	1510
22	5830	4580	3070	2200	239	.00	.00	.00	1350	1650	1710	1480
23	5820	4500	3140	2130	233	.00	.00	.00	1350	1620	1730	1480
24	5800	4430	3080	2130	227	.00	.00	.00	1390	1580	1870	1500
25	5770	4410	3000	2150	227	.00	.00	.00	1470	1570	1860	1470
26	5730	4350	2960	2120	226	.00	.00	.00	1590	1570	2100	1420
27	5650	4240	2890	2100	225	.00	.00	.00	1580	1560	2500	1390
28	5620	4170	2850	2110	208	.00	.00	.00	1590	1550	2440	1360
29	5640	4120	2830	2090	198	.00	.00	.00	1570	1540	2400	1320
30	5590	4150	2760	2050	---	.00	.00	.00	1610	1560	2350	1300
31	5530	---	2720	1600	---	.00	---	.00	---	1570	2430	---
TOTAL	164610	146600	105530	73650	15305	2195.00	0.00	0.00	20444.00	47220	54860	50380
MEAN	5310	4887	3404	2376	528	70.8	.000	.000	681	1523	1770	1679
MAX	5840	5520	4120	2740	1190	199	.00	.00	1610	1650	2500	2310
MIN	4460	4120	2720	1600	198	.00	.00	.00	.00	1410	1520	1300
AC-FT	326500	290800	209300	146100	30360	4350	.00	.00	40550	93660	108800	99930

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1996, BY WATER YEAR (WY)

MEAN	1461	1254	806	604	547	535	397	252	489	933	1084	1281
MAX	5310	5613	6658	6259	4115	2968	3136	1581	2998	4033	4377	3908
(WY)	1996	1995	1995	1995	1995	1970	1970	1969	1969	1968	1968	1995
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1964	1964	1964	1964	1964	1964	1989	1965	1965	1965	1964	1964

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1964 - 1996

ANNUAL TOTAL	1125406	680794.00	
ANNUAL MEAN	3083	1860	805
HIGHEST ANNUAL MEAN			3328
LOWEST ANNUAL MEAN			6.82
HIGHEST DAILY MEAN	7360	Jan 5	5840
LOWEST DAILY MEAN	324	Jun 12	.00
ANNUAL SEVEN-DAY MINIMUM	355	Jun 7	.00
ANNUAL RUNOFF (AC-FT)	2232000	1350000	583100
10 PERCENT EXCEEDS	5580	5030	2350
50 PERCENT EXCEEDS	3100	1560	327
90 PERCENT EXCEEDS	812	.00	.00

02289041 TAMIAMI CANAL BELOW S-12-C, NEAR MIAMI, FL

LOCATION.--Lat 25°45'40", long 80°43'34", T.54 S., R.36 E., Dade County, Hydrologic Unit 03090202, on west bank of spillway, 100 ft southwest of control structure 12-C, and 33 mi west of Miami. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1963 to September 1963, October 1965 to September 1976 (gage heights only), October 1963 to September 1965, October 1976 to current year.

GAGE.--Water-stage recorder and satellite data collection platform with water-stage shaft encoders for upstream and downstream stages. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharge. Records fair. Station is one of several located downstream from the control structures in Levee 29 at Tamiami Canal. Gage record is primarily used to determine discharge through control structure 12-C. Discharge is the total discharge through the S-12-C structure, from Conservation Area 3A. The daily discharge computed from relation between discharge, head, and gate-openings when flow is controlled by gates and computed by relation between stage and discharge under uncontrolled conditions. Since March 16, 1990 data collection platform. Discharge records prior to 1976, for missing periods were fragmentary or missing from the files of the U.S. Geological Survey.

COOPERATION.--Gate-opening records provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 22 complete water years of discharge (1964-65, 1977-96).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.86 ft Dec. 21, 1994; minimum, 4.87 ft June 19, 20, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.49 ft Oct. 20, 21; minimum, 6.92 ft Apr. 29, 30.

STATION NUMBER 02289041
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.04	11.35	10.93	10.29	9.23	8.29	7.28	7.04	7.77	9.38	9.48	9.80
2	11.05	11.35	10.91	10.27	9.19	8.30	7.25	7.13	7.76	9.37	9.49	9.76
3	11.04	11.34	10.89	10.30	9.19	8.30	7.22	7.17	7.75	9.37	9.51	9.74
4	10.98	11.35	10.88	10.30	9.17	8.29	7.21	7.20	7.75	9.37	9.51	9.70
5	11.03	11.34	10.85	10.28	9.16	8.28	7.21	7.18	7.78	9.37	9.50	9.67
6	11.27	11.32	10.84	10.26	9.15	8.24	7.19	7.15	7.76	9.38	9.51	9.64
7	11.28	11.30	10.81	10.25	9.01	8.15	7.17	7.12	7.75	9.39	9.50	9.66
8	11.29	11.28	10.79	10.25	8.76	8.16	7.23	7.11	7.75	9.39	9.50	9.71
9	11.30	11.29	10.77	10.21	8.72	8.13	7.53	7.09	7.74	9.40	9.50	9.74
10	11.30	11.27	10.76	10.19	8.69	8.14	7.62	7.08	7.82	9.41	9.51	9.75
11	11.30	11.25	10.75	10.17	8.67	8.14	7.56	7.06	7.79	9.41	9.51	9.76
12	11.28	11.26	10.72	10.15	8.66	8.12	7.48	7.03	7.79	9.41	9.51	9.75
13	11.27	11.25	10.69	10.14	8.64	8.07	7.42	7.03	7.78	9.43	9.49	9.74
14	11.28	11.24	10.66	10.11	8.56	7.94	7.36	7.02	7.76	9.44	9.48	9.72
15	11.32	11.22	10.64	10.10	8.41	7.87	7.31	7.04	7.75	9.44	9.47	9.69
16	11.39	11.20	10.61	10.08	8.38	7.81	7.26	7.29	7.74	9.49	9.48	9.67
17	11.43	11.18	10.59	10.06	8.37	7.77	7.21	7.56	7.76	9.50	9.50	9.67
18	11.47	11.16	10.56	10.04	8.36	7.73	7.16	7.62	7.77	9.53	9.49	9.65
19	11.48	11.15	10.55	10.02	8.34	7.69	7.12	7.64	8.27	9.54	9.53	9.64
20	11.48	11.13	10.54	10.01	8.34	7.63	7.08	7.67	8.73	9.54	9.54	9.66
21	11.49	11.12	10.52	9.99	8.33	7.58	7.05	7.78	8.76	9.55	9.57	9.65
22	11.48	11.10	10.49	9.98	8.32	7.53	7.02	7.83	8.78	9.56	9.57	9.64
23	11.47	11.08	10.50	9.95	8.33	7.48	6.99	7.80	8.79	9.54	9.58	9.63
24	11.47	11.05	10.48	9.88	8.35	7.45	6.97	7.79	8.84	9.52	9.66	9.64
25	11.46	11.04	10.45	9.83	8.34	7.43	6.95	7.80	9.15	9.51	9.64	9.62
26	11.44	11.02	10.42	9.81	8.34	7.40	6.95	7.81	9.39	9.50	9.73	9.59
27	11.42	10.98	10.39	9.79	8.33	7.37	6.97	7.81	9.38	9.49	9.87	9.57
28	11.40	10.96	10.38	9.78	8.31	7.36	6.96	7.82	9.38	9.48	9.85	9.55
29	11.40	10.94	10.36	9.75	8.29	7.34	6.93	7.82	9.37	9.47	9.83	9.53
30	11.38	10.94	10.33	9.73	---	7.30	6.95	7.81	9.38	9.48	9.82	9.52
31	11.36	---	10.31	9.52	---	7.30	---	7.79	---	9.48	9.85	---
TOTAL	351.05	335.46	329.37	311.49	249.94	242.59	215.61	230.09	247.99	293.14	296.98	290.06
MEAN	11.32	11.18	10.62	10.05	8.62	7.83	7.19	7.42	8.27	9.46	9.58	9.67
MAX	11.49	11.35	10.93	10.30	9.23	8.30	7.62	7.83	9.39	9.56	9.87	9.80
MIN	10.98	10.94	10.31	9.52	8.29	7.30	6.93	7.02	7.74	9.37	9.47	9.52

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289041 TAMIAMI CANAL BELOW S-12-C, NEAR MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1260	1450	1110	726	345	68	.00	.00	.00	474	517	658
2	1260	1440	1100	717	351	68	.00	.00	.00	470	518	633
3	1250	1430	1090	733	353	69	.00	.00	.00	469	524	620
4	1210	1440	1080	736	359	69	.00	.00	.00	468	524	601
5	1220	1430	1070	729	363	69	.00	.00	.00	476	515	582
6	1290	1410	1050	726	362	61	.00	.00	.00	483	511	565
7	1300	1390	1040	731	265	54	.00	.00	.00	485	506	560
8	1310	1370	1020	735	156	54	.00	.00	.00	486	498	564
9	1320	1380	1010	723	160	55	.00	.00	.00	490	496	560
10	1330	1350	1000	714	161	55	.00	.00	.00	500	499	545
11	1320	1340	1000	710	162	55	.00	.00	.00	498	492	548
12	1310	1340	974	707	162	56	.00	.00	.00	500	485	540
13	1290	1330	958	708	162	28	.00	.00	.00	513	474	534
14	1310	1320	940	704	110	.00	.00	.00	.00	518	462	522
15	1340	1300	923	701	60	.00	.00	.00	.00	521	457	505
16	1400	1280	904	700	60	.00	.00	.00	.00	548	462	499
17	1440	1270	893	694	61	.00	.00	.00	.00	556	470	494
18	1470	1250	874	683	61	.00	.00	.00	.00	565	467	484
19	1490	1230	865	672	60	.00	.00	.00	217	570	492	479
20	1490	1210	860	664	60	.00	.00	.00	364	569	497	484
21	1500	1210	848	653	60	.00	.00	.00	378	575	511	478
22	1500	1210	835	647	60	.00	.00	.00	369	580	515	474
23	1500	1190	846	628	77	.00	.00	.00	370	567	521	469
24	1500	1170	833	664	87	.00	.00	.00	375	553	563	474
25	1500	1170	815	697	87	.00	.00	.00	416	546	559	459
26	1490	1160	796	704	86	.00	.00	.00	480	539	611	445
27	1480	1140	782	707	86	.00	.00	.00	475	531	696	435
28	1470	1120	775	715	76	.00	.00	.00	476	526	678	425
29	1470	1110	767	704	69	.00	.00	.00	468	522	668	409
30	1460	1120	749	692	---	.00	.00	.00	475	520	660	402
31	1450	---	738	517	---	.00	---	.00	---	517	688	---
TOTAL	42930	38560	28545	21541	4521	761.00	0.00	0.00	4863.00	16135	16536	15447
MEAN	1385	1285	921	695	156	24.5	.000	.000	162	520	533	515
MAX	1500	1450	1110	736	363	69	.00	.00	480	580	696	658
MIN	1210	1110	738	517	60	.00	.00	.00	.00	468	457	402
AC-FT	85150	76480	56620	42730	8970	1510	.00	.00	9650	32000	32800	30640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1996, BY WATER YEAR (WY)

MEAN	449	403	258	208	173	168	95.4	59.7	94.8	246	288	379
MAX	1385	1447	1752	1677	1174	789	537	366	431	948	855	1136
(WY)	1996	1995	1995	1995	1995	1995	1993	1993	1993	1982	1982	1995
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1964 - 1996

ANNUAL TOTAL	313961	189839.00	
ANNUAL MEAN	860	519	247
HIGHEST ANNUAL MEAN			919
LOWEST ANNUAL MEAN			.000
HIGHEST DAILY MEAN	1950	Jan 5	1500
LOWEST DAILY MEAN	75	Jun 12	.00
ANNUAL SEVEN-DAY MINIMUM	83	Jun 7	.00
ANNUAL RUNOFF (AC-FT)	622700	376500	179300
10 PERCENT EXCEEDS	1470	1310	664
50 PERCENT EXCEEDS	865	495	87
90 PERCENT EXCEEDS	241	.00	.00

254543080405400 TAMiami CANAL ABOVE S-12-D, NEAR MIAMI, FL

LOCATION.--Lat 25°45'43", long 80°40'54", T.54 S., R.36 E., Dade County, Hydrologic Unit 03090202, on south bank of Levee 29, 150 ft northwest of structure S-12-D, near east boundary of Indian Reservation along US 41. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1981 to current year (gage heights only). Records prior to October 1981 are fragmentary or missing from files of the U.S. Geological Survey.

GAGE.--Water-stage recorder and satellite data collection platform with water-stage shaft encoders for upstream and downstream stages, tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Station is one of several located above the gated control structures in Levee 29 at Tamiami Canal. Gage record is primarily used to determine discharge through Structure 12-D. Satellite data collection platform at S-12-D downstream that records upstream and downstream stages.

COOPERATION.--Gate-opening record provided by South Florida Water Management District.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.99 ft Dec. 21, 1994; minimum, 5.16 ft June 19, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.63 ft Oct. 18; minimum, 8.83 ft May 19, 20.

STATION NUMBER 254543080405400
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.19	11.47	11.05	10.38	9.90	9.58	9.32	8.99	9.23	9.53	9.63	9.90
2	11.20	11.47	11.03	10.36	9.88	9.59	9.31	8.98	9.22	9.53	9.65	9.86
3	11.19	11.47	11.01	10.39	9.89	9.63	9.28	9.01	9.21	9.53	9.68	9.84
4	11.14	11.48	10.99	10.40	9.90	9.62	9.25	9.03	9.21	9.52	9.68	9.81
5	11.19	11.47	10.98	10.39	9.91	9.59	9.23	9.02	9.24	9.54	9.66	9.78
6	11.41	11.45	10.96	10.36	9.88	9.59	9.20	9.01	9.21	9.56	9.66	9.75
7	11.41	11.43	10.94	10.36	9.86	9.57	9.19	8.99	9.18	9.56	9.65	9.75
8	11.43	11.42	10.91	10.36	9.87	9.62	9.22	8.97	9.17	9.57	9.64	9.78
9	11.45	11.43	10.89	10.32	9.86	9.61	9.31	8.95	9.15	9.57	9.64	9.82
10	11.44	11.40	10.88	10.29	9.85	9.61	9.35	8.93	9.24	9.59	9.64	9.83
11	11.43	11.37	10.87	10.27	9.84	9.67	9.33	8.91	9.25	9.59	9.64	9.84
12	11.41	11.38	10.84	10.25	9.83	9.67	9.32	8.89	9.24	9.59	9.63	9.84
13	11.39	11.38	10.80	10.24	9.82	9.64	9.30	8.88	9.23	9.62	9.62	9.84
14	11.41	11.37	10.78	10.22	9.80	9.62	9.29	8.88	9.22	9.63	9.60	9.82
15	11.45	11.35	10.76	10.20	9.80	9.60	9.28	8.90	9.21	9.64	9.59	9.80
16	11.52	11.33	10.73	10.18	9.80	9.58	9.27	8.91	9.21	9.71	9.60	9.78
17	11.56	11.30	10.71	10.16	9.80	9.56	9.26	8.89	9.21	9.73	9.61	9.77
18	11.61	11.28	10.67	10.13	9.77	9.52	9.23	8.87	9.22	9.74	9.60	9.75
19	11.61	11.27	10.66	10.11	9.76	9.53	9.21	8.85	9.29	9.75	9.64	9.76
20	11.62	11.25	10.65	10.11	9.74	9.51	9.19	8.84	9.37	9.76	9.64	9.77
21	11.61	11.23	10.63	10.09	9.73	9.50	9.17	8.90	9.45	9.76	9.67	9.76
22	11.60	11.22	10.60	10.08	9.72	9.48	9.14	9.03	9.47	9.77	9.68	9.75
23	11.59	11.19	10.61	10.05	9.71	9.47	9.12	9.07	9.50	9.74	9.69	9.74
24	11.58	11.17	10.59	10.03	9.69	9.45	9.11	9.08	9.58	9.69	9.75	9.73
25	11.57	11.16	10.56	10.02	9.68	9.43	9.09	9.09	9.54	9.68	9.74	9.71
26	11.56	11.14	10.53	9.99	9.66	9.42	9.07	9.10	9.48	9.67	9.87	9.68
27	11.54	11.10	10.50	9.97	9.64	9.40	9.07	9.13	9.48	9.66	10.00	9.66
28	11.52	11.07	10.48	9.96	9.62	9.39	9.04	9.19	9.49	9.64	9.97	9.64
29	11.52	11.06	10.46	9.92	9.61	9.38	9.00	9.22	9.48	9.63	9.94	9.62
30	11.50	11.07	10.42	9.88	---	9.35	8.97	9.22	9.53	9.63	9.92	9.60
31	11.47	---	10.40	9.88	---	9.35	---	9.23	---	9.63	9.94	---
TOTAL	355.12	339.18	332.89	315.35	283.82	295.53	276.12	278.96	279.51	298.76	300.87	292.98
MEAN	11.46	11.31	10.74	10.17	9.79	9.53	9.20	9.00	9.32	9.64	9.71	9.77
MAX	11.62	11.48	11.05	10.40	9.91	9.67	9.35	9.23	9.58	9.77	10.00	9.90
MIN	11.14	11.06	10.40	9.88	9.61	9.35	8.97	8.84	9.15	9.52	9.59	9.60

254543080405401 TAMIAMI CANAL BELOW S-12-D, NEAR MIAMI, FL

LOCATION.--Lat 25°45'43", long 80°40'54", T.54 S., R.36 E., Dade County, Hydrologic Unit 03090202, on south bank 100 ft southwest of structure 12-D, near east boundary of Indian Reservation on US 41. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1963 to September 1965, October 1975 to September 1977, October 1978 to September 1979, October 1980 to September 1981 (discharge only), October 1981 to current year.

GAGE.--Water-stage recorder and satellite data collection platform with water-stage shaft encoders for upstream and downstream stages, tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharge. Records fair. Station is one of several located downstream from the control structures in Levee 29 at Tamiami Canal. Gage record is primarily used to determine discharge through control structure 12-D. Discharge is the total discharge through the S-12-D structure from Conservation Area 3A. The daily discharge computed from relations between discharge, head, and gate openings when flow is controlled by gates and computed by relation between stage and discharge under uncontrolled conditions. Discharge and stage record for missing periods were fragmentary or missing from the files of the U.S. Geological Survey. Since Oct. 1, 1989, satellite data collection platform. Rainfall data available in files of the U.S. Geological Survey.

COOPERATION.--Gate-opening record provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 21 complete water years of discharge (1964-65, 1976-77, 1979, 1981-96).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.94 ft Dec. 21, 1995; minimum, 4.70 ft June 20, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.59 Oct. 18; minimum, 6.27 ft June 5, 6.

STATION NUMBER 254543080405401
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.15	11.44	11.02	10.38	9.22	7.85	6.74	6.63	6.38	9.54	9.61	9.89
2	11.17	11.44	11.02	10.35	9.17	7.84	6.70	6.69	6.34	9.53	9.63	9.86
3	11.15	11.44	11.00	10.38	9.16	7.83	6.73	6.71	6.31	9.52	9.66	9.83
4	11.10	11.44	10.98	10.39	9.15	7.82	6.77	6.73	6.30	9.51	9.65	9.80
5	11.15	11.44	10.96	10.38	9.14	7.81	6.74	6.72	6.29	9.53	9.64	9.76
6	11.37	11.42	10.94	10.35	9.13	7.82	6.71	6.71	7.29	9.54	9.64	9.73
7	11.37	11.40	10.92	10.35	8.96	7.88	6.69	6.68	8.32	9.55	9.63	9.73
8	11.38	11.38	10.90	10.35	8.69	7.91	6.75	6.67	8.33	9.57	9.62	9.76
9	11.40	11.40	10.88	10.32	8.64	7.89	6.91	6.66	8.34	9.58	9.62	9.80
10	11.40	11.36	10.87	10.28	8.61	7.90	6.93	6.66	8.39	9.61	9.62	9.81
11	11.39	11.34	10.86	10.26	8.59	7.93	6.88	6.63	8.40	9.61	9.61	9.83
12	11.37	11.35	10.82	10.24	8.58	7.92	6.83	6.61	8.51	9.61	9.60	9.83
13	11.35	11.34	10.79	10.23	8.56	7.74	6.80	6.60	8.65	9.64	9.59	9.83
14	11.37	11.33	10.76	10.21	8.42	7.41	6.77	6.59	8.65	9.65	9.57	9.81
15	11.42	11.32	10.74	10.19	8.20	7.31	6.74	6.58	8.64	9.66	9.57	9.78
16	11.49	11.29	10.72	10.17	8.17	7.24	6.72	6.47	8.65	9.70	9.58	9.76
17	11.52	11.27	10.69	10.15	8.13	7.18	6.68	6.41	8.66	9.71	9.60	9.75
18	11.57	11.25	10.66	10.13	8.11	7.13	6.65	6.36	8.67	9.73	9.60	9.74
19	11.57	11.23	10.64	10.11	8.08	7.08	6.63	6.33	8.88	9.74	9.63	9.74
20	11.57	11.21	10.64	10.10	8.07	7.02	6.61	6.31	9.11	9.74	9.64	9.76
21	11.57	11.20	10.62	10.08	8.05	6.97	6.59	6.45	9.17	9.75	9.67	9.75
22	11.56	11.19	10.59	10.06	8.03	6.93	6.58	6.66	9.19	9.75	9.67	9.73
23	11.55	11.16	10.60	10.03	8.01	6.89	6.58	6.61	9.21	9.72	9.69	9.72
24	11.54	11.13	10.58	9.95	8.01	6.86	6.57	6.46	9.27	9.67	9.74	9.72
25	11.53	11.13	10.55	9.85	7.99	6.85	6.56	6.42	9.41	9.66	9.74	9.69
26	11.52	11.10	10.52	9.83	7.98	6.83	6.56	6.46	9.48	9.65	9.87	9.67
27	11.50	11.07	10.49	9.82	7.97	6.81	6.57	6.45	9.48	9.64	10.00	9.65
28	11.48	11.04	10.47	9.80	7.92	6.81	6.56	6.48	9.49	9.62	9.97	9.63
29	11.49	11.02	10.45	9.77	7.86	6.78	6.54	6.44	9.49	9.61	9.95	9.61
30	11.46	11.03	10.42	9.73	---	6.77	6.55	6.44	9.54	9.61	9.93	9.60
31	11.44	---	10.39	9.50	---	6.76	---	6.43	---	9.61	9.94	---
TOTAL	353.90	338.16	332.49	313.74	244.60	227.77	200.64	203.05	252.84	298.56	300.48	292.57
MEAN	11.42	11.27	10.73	10.12	8.43	7.35	6.69	6.55	8.43	9.63	9.69	9.75
MAX	11.57	11.44	11.02	10.39	9.22	7.93	6.93	6.73	9.54	9.75	10.00	9.89
MIN	11.10	11.02	10.39	9.50	7.86	6.76	6.54	6.31	6.29	9.51	9.57	9.60

254543080405401 TAMiami CANAL BELOW S-12-D, NEAR MIAMI, FL
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1640	1900	1470	926	446	83	.00	.00	.00	757	609	943
2	1660	1900	1470	907	455	84	.00	.00	.00	726	625	906
3	1640	1900	1450	944	462	85	.00	.00	.00	693	646	876
4	1570	1910	1430	967	470	85	.00	.00	.00	665	648	821
5	1590	1900	1420	958	469	84	.00	.00	.00	656	637	777
6	1700	1860	1400	946	467	94	.00	.00	159	645	639	735
7	1700	1830	1370	953	509	103	.00	.00	264	630	634	723
8	1710	1810	1350	963	411	103	.00	.00	260	619	627	731
9	1750	1830	1330	934	209	104	.00	.00	256	612	629	745
10	1750	1780	1320	907	211	103	.00	.00	261	606	629	744
11	1730	1740	1310	892	212	104	.00	.00	261	589	624	746
12	1700	1760	1270	880	213	105	.00	.00	320	569	621	732
13	1670	1750	1240	883	213	52	.00	.00	381	566	618	711
14	1700	1730	1220	865	151	.00	.00	.00	378	557	604	678
15	1770	1710	1200	857	92	.00	.00	.00	374	540	603	644
16	1880	1670	1180	847	93	.00	.00	.00	372	554	611	618
17	1930	1640	1160	831	94	.00	.00	.00	370	566	625	601
18	2040	1610	1140	813	94	.00	.00	.00	372	585	622	590
19	2050	1580	1120	797	94	.00	.00	.00	513	598	647	598
20	2060	1560	1130	788	94	.00	.00	.00	632	609	653	615
21	2060	1560	1110	770	94	.00	.00	.00	655	623	678	608
22	2050	1550	1080	757	95	.00	.00	.00	653	633	681	600
23	2040	1530	1110	731	95	.00	.00	.00	653	618	691	597
24	2030	1510	1090	754	94	.00	.00	.00	685	591	736	598
25	2010	1520	1060	786	94	.00	.00	.00	673	588	736	585
26	2000	1500	1040	756	94	.00	.00	.00	714	589	880	572
27	1960	1460	1010	735	94	.00	.00	.00	715	591	1060	561
28	1950	1440	997	759	87	.00	.00	.00	720	590	1030	552
29	1960	1430	989	748	84	.00	.00	.00	720	590	1000	538
30	1930	1470	958	739	---	.00	.00	.00	760	597	979	534
31	1900	---	936	574	---	.00	---	.00	---	601	995	---
TOTAL	57130	50340	37360	25967	6290	1189.00	0.00	0.00	12121.00	18953	22017	20279
MEAN	1843	1678	1205	838	217	38.4	.000	.000	404	611	710	676
MAX	2060	1910	1470	967	509	105	.00	.00	760	757	1060	943
MIN	1570	1430	936	574	84	.00	.00	.00	.00	540	603	534
AC-FT	113300	99850	74100	51510	12480	2360	.00	.00	24040	37590	43670	40220

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1996, BY WATER YEAR (WY)

MEAN	370	334	215	155	178	142	96.8	66.3	107	218	224	305
MAX	1843	1885	2343	2076	1413	1071	608	411	518	1406	1241	1447
(WY)	1996	1995	1995	1995	1995	1995	1993	1993	1993	1982	1982	1995
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1964	1964	1964	1964	1964	1964	1965	1965	1965	1965	1964	1964

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1964 - 1996

ANNUAL TOTAL	399826	251646.00	
ANNUAL MEAN	1095	688	248
HIGHEST ANNUAL MEAN			1177
LOWEST ANNUAL MEAN			.000
HIGHEST DAILY MEAN	2500	Jan 5	2060
LOWEST DAILY MEAN	141	Jun 9	.00
ANNUAL SEVEN-DAY MINIMUM	148	Jun 7	.00
ANNUAL RUNOFF (AC-FT)	793100	499100	179400
10 PERCENT EXCEEDS	1900	1700	678
50 PERCENT EXCEEDS	1120	620	.00
90 PERCENT EXCEEDS	309	.00	.00

02289050 TAMiami CANAL ABOVE S-333 NEAR MIAMI, FL

LOCATION.--Lat 25°45'39", long 80°40'27", in SW1/4 sec.6, T.54 S., R.37 E., Dade County, Hydrologic Unit 03090202, on south bank of L-29 in control house of control structure 333 at Levee 67A, 100 ft north of US 41 and 29 mi west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1978 to September 1981 (gage heights only), October 1981 to current year.

REVISED RECORDS.--WDR FL-87-2A: 1986.

GAGE.--Water-stage recorder and gate-opening recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow is regulated by operation of control structure 333. Discharge computed from relations between discharge, head, and gate opening. Records prior to October 1981 are available in files of the South Florida Water Management District.

COOPERATION.--Control structure 333 gate-operation records provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 15 complete water years of discharge (1982-96).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 12.10 ft Dec. 21, 1994; minimum, 5.20 ft June 19, 1989 (estimated).

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.75 ft Oct. 18; minimum, 8.81 ft May 20.

STATION NUMBER 02289050
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.27	11.58	11.14	10.44	9.93	9.58	9.32	8.99	9.23	9.63	9.71	9.95
2	11.28	11.58	11.12	10.41	9.91	9.59	9.31	8.99	9.22	9.62	9.73	9.91
3	11.27	11.57	11.10	10.44	9.92	9.62	9.29	9.02	9.21	9.62	9.77	9.89
4	11.22	11.58	11.08	10.46	9.95	9.62	9.26	9.05	9.22	9.62	9.77	9.85
5	11.28	11.57	11.06	10.45	9.95	9.59	9.23	9.03	9.24	9.63	9.75	9.82
6	11.51	11.55	11.04	10.43	9.93	9.58	9.20	9.01	9.21	9.65	9.75	9.79
7	11.51	11.52	11.02	10.42	9.91	9.56	9.19	8.99	9.18	9.66	9.73	9.79
8	11.52	11.51	10.99	10.42	9.91	9.61	9.22	8.98	9.16	9.66	9.72	9.82
9	11.54	11.53	10.97	10.39	9.90	9.62	9.31	8.96	9.14	9.68	9.72	9.85
10	11.54	11.50	10.95	10.36	9.89	9.63	9.35	8.94	9.24	9.70	9.72	9.87
11	11.52	11.47	10.94	10.33	9.87	9.69	9.34	8.92	9.25	9.70	9.71	9.89
12	11.50	11.48	10.90	10.31	9.86	9.69	9.33	8.90	9.25	9.71	9.70	9.90
13	11.48	11.48	10.87	10.31	9.85	9.66	9.31	8.88	9.23	9.74	9.69	9.89
14	11.50	11.47	10.85	10.28	9.83	9.64	9.30	8.88	9.22	9.76	9.67	9.87
15	11.55	11.45	10.82	10.27	9.82	9.62	9.29	8.90	9.21	9.77	9.66	9.84
16	11.62	11.43	10.79	10.24	9.81	9.60	9.28	8.90	9.21	9.82	9.67	9.82
17	11.66	11.41	10.77	10.22	9.81	9.57	9.26	8.88	9.22	9.83	9.67	9.82
18	11.72	11.39	10.73	10.19	9.79	9.53	9.23	8.86	9.23	9.85	9.66	9.81
19	11.72	11.37	10.72	10.17	9.77	9.54	9.21	8.83	9.31	9.86	9.68	9.81
20	11.73	11.35	10.72	10.16	9.75	9.52	9.19	8.82	9.39	9.86	9.70	9.84
21	11.72	11.34	10.69	10.14	9.74	9.51	9.17	8.89	9.47	9.86	9.73	9.82
22	11.71	11.32	10.67	10.13	9.73	9.50	9.14	9.03	9.50	9.86	9.73	9.80
23	11.69	11.29	10.69	10.10	9.71	9.49	9.12	9.07	9.54	9.82	9.74	9.79
24	11.69	11.27	10.67	10.07	9.69	9.46	9.11	9.08	9.63	9.77	9.80	9.78
25	11.68	11.26	10.64	10.07	9.68	9.45	9.09	9.08	9.60	9.76	9.80	9.76
26	11.67	11.23	10.61	10.04	9.66	9.44	9.07	9.09	9.56	9.75	9.94	9.74
27	11.64	11.20	10.56	10.02	9.64	9.41	9.06	9.12	9.56	9.74	10.06	9.72
28	11.63	11.16	10.55	10.01	9.62	9.40	9.03	9.20	9.57	9.73	10.03	9.69
29	11.63	11.15	10.53	9.97	9.61	9.38	9.00	9.21	9.57	9.71	10.01	9.67
30	11.61	11.16	10.49	9.93	---	9.36	8.96	9.22	9.63	9.72	9.98	9.66
31	11.59	---	10.47	9.91	---	9.35	---	9.23	---	9.71	9.99	---
TOTAL	358.20	342.17	335.15	317.09	284.44	295.81	276.17	278.95	280.20	301.80	302.99	294.46
MEAN	11.55	11.41	10.81	10.23	9.81	9.54	9.21	9.00	9.34	9.74	9.77	9.82
MAX	11.73	11.58	11.14	10.46	9.95	9.69	9.35	9.23	9.63	9.86	10.06	9.95
MIN	11.22	11.15	10.47	9.91	9.61	9.35	8.96	8.82	9.14	9.62	9.66	9.66

02289050 TAMiami CANAL ABOVE S-333 NEAR MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	e3.0	.00	.00	299	234	418	447	340	.00	399	135
2	.00	e3.0	.00	.00	298	234	395	412	340	.00	401	134
3	.00	e3.0	.00	.00	299	236	366	387	340	.00	401	134
4	.00	e3.0	.00	.00	300	234	364	389	342	.00	399	134
5	.00	e3.0	.00	.00	299	234	364	388	344	.00	397	133
6	e3.0	e3.0	.00	.00	298	235	361	386	341	.00	397	133
7	e3.0	e3.0	.00	.00	297	234	361	385	338	.00	397	133
8	e3.0	e3.0	.00	.00	298	237	361	372	336	.00	397	134
9	e3.0	e3.0	.00	.00	298	237	366	361	334	.00	397	134
10	e3.0	e3.0	.00	.00	297	237	370	360	333	.00	398	133
11	e3.0	.00	.00	.00	297	239	332	360	334	.00	397	62
12	e3.0	e2.0	.00	.00	296	239	308	360	331	.00	397	.00
13	e1.0	.00	.00	.00	296	316	308	359	326	.00	395	.00
14	e8.0	.00	.00	.00	295	394	308	434	326	.00	394	.00
15	e8.0	.00	.00	.00	295	392	308	476	325	.00	394	.00
16	e8.0	.00	.00	.00	295	391	309	477	325	.00	393	.00
17	e8.0	.00	.00	.00	294	389	361	473	372	.00	392	.00
18	e8.0	.00	.00	.00	293	386	414	470	400	.00	390	.00
19	e8.0	.00	.00	.00	291	388	412	467	405	.00	390	.00
20	e8.0	.00	.00	.00	291	387	410	258	407	.00	389	.00
21	e8.0	.00	.00	.00	291	386	407	129	223	.00	388	.00
22	e8.0	.00	.00	.00	291	384	404	174	.00	.00	344	.00
23	e8.0	.00	.00	.00	290	383	404	212	.00	272	307	.00
24	e8.0	.00	.00	.00	289	379	405	214	.00	408	311	.00
25	e8.0	.00	.00	.00	288	379	437	214	.00	405	312	.00
26	e8.0	.00	.00	.00	287	378	460	214	.00	403	319	.00
27	e8.0	.00	.00	.00	287	376	458	215	.00	401	240	.00
28	e8.0	.00	.00	.00	256	405	453	219	.00	399	136	.00
29	e8.0	.00	.00	161	235	422	449	290	.00	399	136	.00
30	e3.0	.00	.00	273	---	419	446	342	.00	399	135	.00
31	e3.0	---	.00	271	---	420	---	341	---	399	135	---
TOTAL	156.00	32.00	0.00	705.00	8440	10204	11519	10585	7162.00	3485.00	10677	1399.00
MEAN	5.03	1.07	.000	22.7	291	329	384	341	239	112	344	46.6
MAX	8.0	3.0	.00	273	300	422	460	477	407	408	401	135
MIN	.00	.00	.00	.00	235	234	308	129	.00	.00	135	.00
AC-FT	309	63	.00	1400	16740	20240	22850	21000	14210	6910	21180	2770

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1996, BY WATER YEAR (WY)

MEAN	280	261	164	122	200	247	361	326	164	272	349	221
MAX	739	689	693	535	783	761	851	1208	346	733	792	655
(WY)	1986	1985	1993	1988	1993	1993	1983	1985	1985	1986	1985	1991
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1982	1982	1982	1982	1982	1989	1989	1982	1982	1983	1987	1994

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1982 - 1996

ANNUAL TOTAL	41056.00	64364.00	
ANNUAL MEAN	112	176	248
HIGHEST ANNUAL MEAN			572
LOWEST ANNUAL MEAN			51.8
HIGHEST DAILY MEAN	512	May 27	477
LOWEST DAILY MEAN	.00	Jan 26	.00
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 26	.00
ANNUAL RUNOFF (AC-FT)	81430	127700	179300
10 PERCENT EXCEEDS	469	399	715
50 PERCENT EXCEEDS	.00	135	144
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated

02289060 TAMAMI CANAL OUTLETS, LEVEE 30 TO LEVEE 67A, NEAR MIAMI, FL

LOCATION.--Lat 25°45'40", long 80°33'40", in SE1/4 sec.6, T.54 S., R.38 E., Dade County, Hydrologic Unit 03090202, on south bank of L-29, 50 ft west of bridge 53 on US 41, and 22.8 mi west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1939 to September 1963 (monthly discharge), October 1963 to current year. October 1962 to September 1963, stage only (twice monthly) published as Tamiami Canal at bridge 45, near Miami (auxiliary). Stage records prior to October 1962 are available in files of the U.S. Geological Survey. Prior to October 1963, daily discharge for this portion of the canal was published as part of the total daily discharge of station, Tamiami Canal outlets, Miami to Monroe (station 02289000).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Aug. 27, 1942, non-recording gage at datum 0.80 ft lower; Aug. 27, 1942 to Feb. 21, 1952, non-recording gage at present datum; and Feb. 21, 1952 to Aug. 7, 1969 water-stage recorder at same datum, all at site 4 mi to the west.

REMARKS.--Records poor. Figures of daily discharge consist of seepage through levee 29 from Conservation Area 3B and discharges from S-333 distributed along L-29 from Conservation Area 3A as represented by flow through all the outlets of Tamiami Canal from levee 30 to levee 67A.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Average annual mean discharge, 228 ft³/s 165,200 acre-ft/yr. Figures represent 56 complete water years of discharge (1941-96). Monthly discharge only, available 1941-1963 water years.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 9.76 ft Nov. 1, 1960; minimum, 1.66 ft May 13, 14, 1971.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.16 ft Oct. 19; minimum, 7.08 ft July 13.

STATION NUMBER 02289060
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.61	8.01	7.67	7.41	7.48	7.38	7.44	7.45	7.33	7.27	7.46	7.52
2	7.61	8.00	7.65	7.40	7.51	7.37	7.41	7.43	7.32	7.26	7.47	7.49
3	7.61	8.02	7.64	7.45	7.53	7.37	7.38	7.40	7.32	7.24	7.50	7.49
4	7.61	8.10	7.63	e7.45	7.52	7.36	7.38	7.40	7.32	7.23	7.52	7.47
5	7.62	8.07	7.63	e7.43	7.51	7.35	7.37	7.39	7.33	7.22	7.51	7.46
6	7.65	8.04	7.62	e7.41	7.51	7.35	7.37	7.38	7.32	7.20	7.51	7.44
7	7.66	8.02	7.61	e7.41	7.51	7.35	7.37	7.37	7.32	7.18	7.50	7.43
8	7.68	8.00	7.60	e7.40	7.51	7.36	7.39	7.36	7.32	7.15	7.50	7.42
9	7.73	7.96	7.59	e7.39	7.51	7.34	7.41	7.34	7.32	7.14	7.50	7.43
10	7.77	7.95	7.59	e7.37	7.51	7.35	7.41	7.33	7.42	7.15	7.50	7.49
11	7.77	7.94	7.57	e7.36	7.51	7.39	7.38	7.33	7.42	7.12	7.50	7.52
12	7.76	7.91	7.55	e7.34	7.50	7.38	7.35	7.33	7.44	7.10	7.50	7.47
13	7.76	7.90	7.55	e7.32	7.49	7.42	7.34	7.32	7.47	7.15	7.50	7.45
14	7.83	7.89	7.53	e7.32	7.49	7.49	7.34	7.33	7.46	7.20	7.50	7.42
15	7.90	7.87	7.52	e7.30	7.49	7.49	7.33	7.34	7.46	7.17	7.49	7.39
16	7.93	7.87	7.52	e7.29	7.49	7.49	7.32	7.34	7.46	7.22	7.50	7.38
17	7.95	7.86	7.51	e7.31	7.48	7.48	7.34	7.35	7.46	7.21	7.51	7.38
18	8.06	7.85	7.49	7.32	7.48	7.48	7.40	7.35	7.47	7.19	7.50	7.36
19	8.11	7.85	7.50	7.32	7.47	7.48	7.40	7.35	7.49	7.17	7.53	7.36
20	8.13	7.80	7.50	7.31	7.47	7.47	7.40	7.34	7.54	7.15	7.55	7.41
21	8.11	7.76	7.48	7.30	7.47	7.46	7.40	7.36	7.51	7.13	7.58	7.40
22	8.08	7.75	7.47	7.28	7.46	7.46	7.39	7.35	7.33	7.11	7.57	7.39
23	8.10	7.73	7.47	7.27	7.46	7.45	7.39	7.26	7.30	7.27	7.57	7.37
24	8.13	7.72	7.45	7.26	7.45	7.44	7.39	7.24	7.32	7.42	7.57	7.35
25	8.14	7.71	7.44	7.25	7.45	7.44	7.41	7.24	7.29	7.43	7.56	7.34
26	8.13	7.70	7.43	7.24	7.44	7.43	7.44	7.25	7.26	7.44	7.58	7.32
27	8.12	7.69	7.42	7.23	7.44	7.42	7.44	7.25	7.25	7.44	7.60	7.30
28	8.11	7.68	7.41	7.21	7.42	7.43	7.43	7.25	7.26	7.44	7.54	7.29
29	8.08	7.68	7.41	7.31	7.39	7.45	7.42	7.28	7.28	7.44	7.53	7.27
30	8.05	7.68	7.40	7.42	---	7.45	7.44	7.34	7.28	7.45	7.51	7.26
31	8.03	---	7.40	7.45	---	7.44	---	7.34	---	7.44	7.55	---
TOTAL	244.83	236.01	233.25	227.53	216.95	230.02	221.68	227.39	221.07	224.73	233.21	222.07
MEAN	7.90	7.87	7.52	7.34	7.48	7.42	7.39	7.34	7.37	7.25	7.52	7.40
MAX	8.14	8.10	7.67	7.45	7.53	7.49	7.44	7.45	7.54	7.45	7.60	7.52
MIN	7.61	7.68	7.40	7.21	7.39	7.34	7.32	7.24	7.25	7.10	7.46	7.26

e Estimated

02289060 TAMiami CANAL OUTLETS, LEVEE 30 TO LEVEE 67A, NEAR MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	158	215	169	77	411	269	393	492	393	79	418	291
2	158	203	158	76	458	261	359	452	391	78	441	246
3	159	307	147	86	475	251	316	403	384	75	513	229
4	158	637	140	e87	455	240	313	397	390	73	526	215
5	155	550	131	e84	432	231	315	400	395	71	496	202
6	157	487	123	e82	417	232	315	389	379	69	502	186
7	167	438	115	e82	417	232	320	378	376	65	485	177
8	182	393	109	e81	407	240	362	364	379	61	472	169
9	197	339	103	e80	401	219	412	328	371	60	468	178
10	195	322	99	e79	401	236	423	334	413	60	462	174
11	192	296	90	e77	380	284	375	331	398	57	467	142
12	183	259	87	e75	361	270	319	335	446	54	466	112
13	188	238	85	e72	345	331	314	331	496	68	443	101
14	165	228	82	e72	331	420	307	340	479	84	434	90
15	91	216	82	e70	328	423	310	375	476	79	422	85
16	104	209	81	e70	339	428	305	381	479	89	427	83
17	111	200	80	e73	329	418	339	405	483	86	429	83
18	266	195	79	75	331	421	432	401	501	83	399	79
19	347	192	81	75	330	431	415	395	560	80	457	96
20	383	160	82	73	335	409	417	385	710	76	494	170
21	346	144	80	71	346	392	411	450	618	72	536	166
22	301	142	78	69	337	401	399	425	169	69	509	156
23	325	143	79	67	346	389	400	266	93	192	487	144
24	385	145	77	66	336	362	383	243	88	352	455	135
25	397	147	76	63	345	357	422	244	83	368	434	125
26	384	145	75	62	335	370	474	260	78	381	473	116
27	364	146	74	61	344	347	477	263	76	380	496	107
28	341	149	74	59	314	374	455	260	78	376	368	99
29	295	162	74	133	276	407	425	313	81	380	332	93
30	255	169	74	307	---	409	456	417	81	393	301	91
31	233	---	75	340	---	401	---	416	---	392	354	---
TOTAL	7342	7576	2959	2844	10662	10455	11363	11173	10344	4802	13966	4340
MEAN	237	253	95.5	91.7	368	337	379	360	345	155	451	145
MAX	397	637	169	340	475	431	477	492	710	393	536	291
MIN	91	142	74	59	276	219	305	243	76	54	301	79
AC-FT	14560	15030	5870	5640	21150	20740	22540	22160	20520	9520	27700	8610

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1996, BY WATER YEAR (WY)

MEAN	220	207	143	104	118	119	140	123	107	175	230	194
MAX	763	624	785	503	976	979	914	784	550	828	897	694
(WY)	1993	1986	1993	1988	1993	1993	1993	1993	1995	1986	1992	1991
MIN	48.0	46.9	23.4	1.99	.90	.000	-.77	-2.61	-.37	-.55	1.58	18.0
(WY)	1981	1972	1974	1990	1990	1974	1964	1964	1965	1965	1965	1989

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1964 - 1996	
ANNUAL TOTAL	94025		97826			
ANNUAL MEAN	258		267		157	
HIGHEST ANNUAL MEAN					660	
LOWEST ANNUAL MEAN					28.3	
HIGHEST DAILY MEAN	1190	Jun 23	710	Jun 20	1470	Jul 23 1992
LOWEST DAILY MEAN	64	Jul 14	54	Jul 12	-7.0	May 11 1964
ANNUAL SEVEN-DAY MINIMUM	69	Jul 11	61	Jul 7	-5.9	May 7 1964
INSTANTANEOUS PEAK FLOW					1970	Mar 13 1993
ANNUAL RUNOFF (AC-FT)	186500		194000		113700	
10 PERCENT EXCEEDS	508		455		434	
50 PERCENT EXCEEDS	178		295		73	
90 PERCENT EXCEEDS	84		76		.00	

e Estimated

02289096 N.W. WELLFIELD CANAL AT CONSERVATION AREA NO. 3, NEAR PENNSUCO, FL

LOCATION.--Lat 25°55'31", long 80°27'17", in NE1/4 sec.17, T.52 S., R.39 E., Dade County, Hydrologic Unit 03090202, (Pennsuco quadrangle), at east end of 319 ft culvert, 1.4 mi southwest of Miami Canal, 2 mi west of Golden Glades Canal, 2.1 mi southwest of junction of SR-997 and US 27, 3.1 mi north of Pennsuco Canal, and 5.1 mi northwest of Pennsuco.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1991 to September 1996. Discontinued.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter located at the east end of a 14 ft diameter, 319 ft long culvert in the N.W. Wellfield Canal. Datum of gage is National Geodetic Vertical Datum of 1929 (Benchmark provided by DERM).

REMARKS.--Records good except for daily discharges below 20 cfs (due to seepage from control structure) and estimated daily discharges, which are poor. Flow regulated by Dade-Broward control structure No. 1 located at the west end of a 14 ft diameter, 319 ft long culvert. Positive figures indicate flow to the east and is occasionally reversed.

COOPERATION.--Dade County Department of Environmental Resource Management (DERM).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 6.88 ft Oct. 8, 1991; minimum, 1.52 ft June 3, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 6.20 ft Oct. 19; minimum, 4.08 ft May 18.

STATION NUMBER 02289096
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.78	5.96	e5.55	5.14	4.77	4.59	4.46	4.30	5.05	5.40	5.24	5.41
2	5.78	5.94	e5.53	5.12	4.74	4.64	4.43	4.37	5.01	5.45	5.26	5.39
3	5.77	5.93	5.52	5.18	4.75	4.66	4.44	4.39	4.96	5.43	5.27	5.39
4	5.77	5.90	5.52	5.20	4.72	4.64	4.46	4.41	4.92	5.40	5.32	5.38
5	5.78	5.88	5.50	5.17	4.68	4.61	4.44	4.39	4.88	5.38	5.29	5.37
6	5.92	5.87	5.48	5.15	4.67	4.60	4.35	4.35	4.84	5.36	5.27	5.37
7	5.92	5.86	5.46	5.18	4.67	4.59	4.33	4.31	4.80	5.33	5.23	5.43
8	5.93	5.84	5.44	5.15	4.66	4.58	e4.52	4.30	4.77	5.30	5.21	5.41
9	5.92	5.80	5.44	5.12	4.65	4.54	4.86	4.28	4.74	5.27	5.20	5.52
10	5.91	5.79	5.44	5.09	4.64	4.61	4.86	4.25	5.06	5.25	5.20	5.60
11	5.89	5.78	5.41	5.07	4.63	4.87	4.80	4.25	5.05	5.23	5.30	5.60
12	5.87	5.76	5.40	5.05	4.61	4.83	4.75	4.23	5.10	5.21	5.33	e5.61
13	5.86	5.75	5.39	5.02	4.59	4.78	4.71	4.21	5.15	e5.25	5.28	5.60
14	5.94	5.76	5.37	5.01	4.59	4.75	4.68	4.25	5.11	5.31	5.23	5.58
15	6.04	5.74	5.36	4.98	4.58	4.72	4.64	4.22	5.07	5.28	5.20	5.56
16	6.09	5.72	5.34	4.97	4.59	4.70	4.59	4.17	5.06	5.40	5.18	5.54
17	6.13	5.70	5.32	4.95	4.58	4.68	4.56	4.13	5.02	5.41	5.14	5.52
18	6.16	5.69	5.30	4.93	4.56	4.67	4.53	4.10	5.01	5.38	5.11	5.51
19	6.16	5.67	5.30	4.92	4.56	4.63	4.49	4.12	5.01	5.35	5.15	5.53
20	6.15	5.66	5.30	4.91	4.61	4.60	4.42	4.16	5.09	5.32	5.20	5.58
21	6.14	5.64	5.28	4.90	4.67	4.57	4.39	4.61	5.21	5.29	5.32	5.58
22	6.11	5.63	5.26	4.87	4.64	4.56	4.36	5.01	5.22	5.26	5.34	5.57
23	6.10	5.61	5.26	4.86	4.63	4.55	4.33	4.94	5.24	5.23	5.41	5.56
24	6.10	5.60	5.24	4.84	4.62	4.55	4.30	4.89	5.35	5.20	5.42	5.55
25	6.09	5.58	5.22	4.82	4.62	4.54	4.28	4.85	5.33	5.17	5.43	5.54
26	6.07	5.56	5.19	4.82	4.61	4.49	4.25	4.91	5.30	5.14	5.46	5.52
27	6.06	5.55	5.18	4.81	4.60	4.41	4.23	5.02	5.29	5.11	5.47	5.51
28	6.04	5.54	5.16	4.79	4.59	4.37	4.21	5.04	5.31	5.08	5.47	e5.49
29	6.01	5.55	5.15	4.79	4.59	4.39	4.19	5.13	5.34	5.06	5.45	e5.48
30	5.99	5.56	5.13	4.81	---	4.40	4.22	5.15	5.38	5.07	5.43	e5.48
31	5.98	---	5.14	e4.81	---	4.47	---	5.10	---	5.12	5.42	---
TOTAL	185.46	171.82	165.58	154.43	134.42	142.59	134.08	139.84	152.67	163.44	164.23	165.18
MEAN	5.98	5.73	5.34	4.98	4.64	4.60	4.47	4.51	5.09	5.27	5.30	5.51
MAX	6.16	5.96	5.55	5.20	4.77	4.87	4.86	5.15	5.38	5.45	5.47	5.61
MIN	5.77	5.54	5.13	4.79	4.56	4.37	4.19	4.10	4.74	5.06	5.11	5.37

e Estimated

02289096 N.W. WELLFIELD CANAL AT CONSERVATION AREA NO. 3, NEAR PENNSUCO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	e149	e142	146	143	151	145	124	124	123	138	141
2	136	e151	e143	145	145	149	148	133	126	125	135	141
3	134	143	141	145	143	150	149	130	126	127	137	140
4	135	139	145	144	144	150	153	131	129	127	136	139
5	135	140	143	145	144	152	149	132	129	128	138	139
6	136	145	143	145	144	150	134	131	130	129	138	140
7	134	148	142	145	145	150	135	132	132	130	138	137
8	139	146	143	145	145	150	e129	132	130	131	138	138
9	138	141	142	147	144	150	124	130	132	131	137	134
10	137	143	141	149	145	149	133	132	123	132	135	131
11	136	143	143	148	144	145	138	130	127	135	138	132
12	136	141	143	147	143	145	138	130	127	134	137	e134
13	135	143	144	146	142	148	139	131	126	e133	e136	133
14	137	143	144	148	144	149	139	129	125	132	139	133
15	144	141	142	148	144	149	139	130	127	133	138	132
16	139	141	141	147	142	148	142	130	127	131	137	132
17	144	141	141	148	143	147	144	128	127	132	141	132
18	142	140	143	147	143	149	140	129	130	134	139	135
19	141	142	144	e147	142	148	136	126	128	133	140	135
20	140	141	143	e146	145	149	127	127	128	134	139	136
21	139	141	142	e146	147	151	128	118	125	135	137	133
22	139	141	143	e147	149	151	128	116	127	136	135	134
23	139	143	144	e145	148	151	128	119	127	135	135	133
24	139	145	145	e147	151	149	126	121	126	136	134	134
25	140	141	145	e148	150	148	124	123	124	138	137	135
26	140	141	146	e148	150	142	124	124	127	138	137	134
27	e139	142	147	e147	150	135	124	122	129	139	135	131
28	e145	143	147	e147	149	134	122	123	127	139	136	e130
29	e147	143	146	e147	149	140	122	120	126	137	136	e128
30	e150	142	147	e143	---	140	123	121	125	138	136	e130
31	e147	---	146	e141	---	140	---	125	---	137	140	---
TOTAL	4317	4283	4451	4534	4217	4559	4030	3929	3816	4122	4252	4036
MEAN	139	143	144	146	145	147	134	127	127	133	137	135
MAX	150	151	147	149	151	152	153	133	132	139	141	141
MIN	134	139	141	141	142	134	122	116	123	123	134	128
AC-FT	8560	8500	8830	8990	8360	9040	7990	7790	7570	8180	8430	8010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1996, BY WATER YEAR (WY)

MEAN	77.9	91.9	97.6	79.7	99.8	91.1	117	119	79.3	86.1	98.6	115
MAX	139	143	144	146	145	212	236	216	195	166	161	163
(WY)	1996	1996	1996	1996	1996	1991	1994	1994	1994	1994	1994	1994
MIN	7.66	7.13	7.17	5.25	5.46	5.38	5.33	1.91	5.30	7.52	10.3	8.45
(WY)	1993	1993	1993	1993	1993	1993	1992	1992	1992	1991	1993	1992

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1991 - 1996	
ANNUAL TOTAL	48349		50546			
ANNUAL MEAN	132		138		133	
HIGHEST ANNUAL MEAN					138	
LOWEST ANNUAL MEAN					128	
HIGHEST DAILY MEAN	152	Apr 16	153	Apr 4	365	Aug 15 1992
LOWEST DAILY MEAN	88	Jul 16	116	May 22	-1.6	May 24 1992
ANNUAL SEVEN-DAY MINIMUM	106	Jul 15	120	May 21	-.84	May 21 1992
ANNUAL RUNOFF (AC-FT)	95900		100300		96320	
10 PERCENT EXCEEDS	143		148		165	
50 PERCENT EXCEEDS	133		139		121	
90 PERCENT EXCEEDS	120		127		5.4	

e Estimated

PAGE 272

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02289500 TAMIAMI CANAL NEAR CORAL GABLES, FL

LOCATION.--Lat 25°45'43", long 80°19'42", in SW1/4 sec.3, T.54 S., R.40 E., Dade County, Hydrologic Unit 03090202, on upstream side of footbridge, 25 ft from south bank, 0.5 mi upstream from Coral Gables Canal, 2.5 mi west of Coral Gables City limits, 3.5 mi downstream from Snapper Creek Canal, and 6.2 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1940 to June 1943, October 1959 to current year.

REVISED RECORDS.--WDR FL-87-2A: 1986.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929. January 1940 to June 1943, non-recording gage at same site at datum 0.22 ft lower.

REMARKS.--The flow is slightly affected by tide and is regulated by control structure at Dade-Broward Levee, 7.5 mi upstream and at salinity-control structure S-25, 1.2 mi downstream. Flow is diverted to and from Snapper Creek Canal, 3.5 mi upstream. Discharge computed from continuous velocity record obtained from acoustic velocity metering system and stage. Records of gage height prior to October 1960 are available in files of the U.S. Geological Survey.

COOPERATION.--Records of salinity-control structure operation provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 31 complete water years of discharge (1941, 42, 1960-83, 1985-88, 1990).

EXTREME STAGES FOR OUTSIDE PERIOD OF RECORD.--Maximum stage known, 8.49 ft Oct. 12, 1947, present datum, from non-recording gage reading.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 6.38 ft Aug. 18, 1981; minimum, 1.08 ft May 31, 1962.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 3.94 ft Oct. 24; minimum, 2.55 ft Sept. 19.

**DISCHARGE WAS UNAVAILABLE AT THE TIME OF PUBLICATION
SEE THE FOLLOWING PAGE FOR TABLE OF STAGE**

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 273

02289500 TAMAMI CANAL NEAR CORAL GABLES, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.58	2.70	3.13	3.09	3.03	3.09	2.90	3.12	2.96	3.46	3.01	3.14
2	3.46	2.65	3.01	2.87	3.06	2.79	3.03	2.98	2.84	3.46	3.10	3.13
3	3.39	2.62	3.14	3.05	2.88	3.02	3.06	3.17	2.84	3.14	3.10	3.02
4	3.33	2.63	3.07	2.93	2.99	3.10	3.07	2.96	3.15	2.77	2.87	2.96
5	3.16	2.62	3.00	3.00	3.03	3.10	3.07	3.08	3.06	2.75	3.07	2.97
6	3.11	2.63	2.95	3.10	e2.96	3.11	3.07	3.14	3.04	2.90	3.04	3.09
7	3.06	2.70	2.93	2.92	3.15	3.12	3.08	3.14	3.11	2.84	2.88	2.92
8	3.09	2.83	2.91	2.96	2.98	3.13	e3.08	3.16	3.05	2.64	3.07	3.11
9	3.01	2.90	2.91	3.09	2.93	3.05	e3.05	3.16	3.11	2.66	e2.88	3.27
10	2.94	2.96	2.91	2.97	3.12	3.01	e3.02	3.15	3.08	2.72	3.11	e3.40
11	2.87	2.95	e3.02	3.11	2.98	3.03	e2.99	3.15	2.85	2.80	2.89	e3.42
12	2.82	2.92	3.08	2.87	3.05	2.81	2.87	3.14	2.94	3.35	3.07	e3.42
13	2.86	2.96	2.99	3.05	3.15	3.08	3.01	3.12	3.07	3.28	3.15	3.27
14	3.01	3.13	2.94	3.06	2.89	3.08	3.13	3.16	3.15	3.34	e2.94	3.11
15	3.38	3.08	2.90	2.88	3.00	2.83	2.90	3.12	3.04	3.25	3.05	2.93
16	3.48	3.00	2.88	3.13	3.12	3.07	3.08	3.09	3.12	3.41	2.99	2.88
17	3.62	3.03	2.89	3.07	3.00	3.16	3.14	3.06	3.12	3.33	3.04	e2.79
18	3.76	3.23	2.90	3.00	2.95	3.00	3.15	3.03	3.09	3.24	3.11	2.70
19	3.52	3.17	3.02	3.11	3.09	2.96	3.15	3.00	3.10	3.21	3.08	2.66
20	3.40	3.23	3.02	3.01	3.15	3.05	3.15	2.99	3.24	3.16	3.02	2.70
21	3.32	3.27	3.05	3.13	2.92	2.96	3.14	3.19	3.16	3.11	3.24	2.72
22	3.31	3.26	3.15	2.99	3.08	3.13	3.12	3.28	3.11	3.19	3.26	2.71
23	3.60	3.22	3.15	3.16	3.05	3.18	3.10	3.08	3.02	3.06	3.56	2.90
24	3.77	3.22	3.05	3.02	3.04	3.19	3.11	3.02	2.97	3.09	3.59	2.72
25	3.53	3.11	3.10	2.91	3.13	3.19	3.16	2.93	2.93	3.07	3.44	2.76
26	3.35	3.13	2.96	3.14	3.15	3.07	3.13	3.04	2.82	3.01	3.34	3.11
27	3.22	3.05	2.94	3.04	3.16	3.07	3.11	3.12	3.10	3.10	3.27	3.14
28	3.07	3.12	3.13	3.01	3.16	3.14	3.07	3.07	3.01	3.11	3.28	3.16
29	2.88	3.08	2.90	3.17	3.16	3.15	3.04	3.53	3.09	2.99	3.24	3.17
30	2.78	3.00	2.84	3.00	---	3.16	3.04	3.27	3.30	e2.91	3.23	3.14
31	2.74	---	3.02	2.88	---	3.14	---	3.10	---	3.14	3.22	---
TOTAL	100.42	89.40	92.89	93.72	88.36	94.97	92.02	96.55	91.47	95.49	97.14	90.42
MEAN	3.24	2.98	3.00	3.02	3.05	3.06	3.07	3.11	3.05	3.08	3.13	3.01
MAX	3.77	3.27	3.15	3.17	3.16	3.19	3.16	3.53	3.30	3.46	3.59	3.42
MIN	2.74	2.62	2.84	2.87	2.88	2.79	2.87	2.93	2.82	2.64	2.87	2.66

e Estimated

254315080331500 NORTHEAST SHARK RIVER SLOUGH NO. 2 NEAR COOPERTOWN, FL

LOCATION.--Lat 25°43'15", long 80°33'15", in SW1/4 sec.20, T.54 S., R.38 E., Dade County, Hydrologic Unit 03090202, 2.7 mi south of Coopertown in Northeast Shark River Slough.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1976 to September 1980, October 1982 to current year (gage heights only).
Published as "Northeast Shark Valley Slough No. 2 near Coopertown" October 1976 to September 1977.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 7.96 ft Nov. 16, 17, 1994, Nov. 3, 1995; minimum, 3.41 ft estimated Apr. 23, 1979.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.96 ft Nov. 3; minimum, 6.44 ft May 19, 20.

STATION NUMBER 254315080331500
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.33	7.81	7.42	7.16	6.95	6.79	6.63	6.57	6.69	7.06	6.80	7.14
2	7.33	7.79	7.41	7.16	6.95	6.79	6.62	6.61	6.68	7.05	6.81	7.12
3	7.34	7.81	7.40	7.19	6.96	6.79	6.60	6.66	6.66	7.03	6.88	7.12
4	7.34	7.90	7.39	7.21	6.96	6.77	6.59	6.69	6.66	7.01	6.96	7.10
5	7.35	7.86	7.38	7.20	6.95	6.76	6.59	6.66	6.65	7.01	6.95	7.08
6	7.40	7.83	7.37	7.20	6.95	6.75	6.58	6.64	6.64	6.99	6.94	7.07
7	7.41	7.80	7.36	7.21	6.95	6.73	6.58	6.62	6.63	6.97	6.93	7.05
8	7.42	7.77	7.35	7.20	6.95	6.72	6.61	6.60	6.62	6.94	6.93	7.03
9	7.45	7.75	7.34	7.20	6.94	6.71	6.70	6.59	6.61	6.93	6.94	7.04
10	7.49	7.72	7.34	7.18	6.94	6.71	6.72	6.58	6.79	6.94	6.92	7.13
11	7.49	7.69	7.33	7.16	6.93	6.79	6.71	6.56	6.83	6.91	6.92	---
12	7.49	7.68	7.32	7.15	6.92	6.79	6.69	6.55	6.87	6.88	6.91	---
13	7.50	7.66	7.31	7.14	6.91	6.77	6.67	6.53	6.89	6.94	6.90	7.20
14	7.56	7.65	7.30	7.12	6.91	6.76	6.67	6.52	6.88	7.00	6.90	7.17
15	7.65	7.62	7.29	7.12	6.90	6.75	6.65	6.51	6.86	6.95	6.89	7.15
16	7.69	7.60	7.28	7.10	6.90	6.74	6.63	6.49	6.85	7.01	6.90	7.14
17	7.74	7.58	7.27	7.08	6.88	6.73	6.62	6.47	6.87	6.99	6.91	7.14
18	7.84	7.57	7.25	7.08	6.88	6.72	6.60	6.46	6.92	6.96	6.91	7.12
19	7.87	7.56	7.25	7.07	6.87	6.72	6.59	6.45	6.99	6.94	6.99	7.13
20	7.90	7.54	7.25	7.06	6.87	6.71	6.58	6.44	7.04	6.92	7.01	7.18
21	7.89	7.53	7.25	7.04	6.86	6.70	6.57	6.53	7.08	6.89	7.05	7.17
22	7.87	7.51	7.23	7.04	6.85	6.70	6.56	6.65	7.08	6.87	7.09	7.16
23	7.89	7.49	7.22	7.03	6.85	6.69	6.55	6.64	7.09	6.85	7.11	7.15
24	7.94	7.48	7.21	7.01	6.84	6.68	6.54	6.65	7.12	6.83	7.11	7.13
25	7.94	7.47	7.20	7.00	6.84	6.67	6.54	---	7.08	6.82	7.11	7.12
26	7.93	7.45	7.19	6.99	6.83	6.67	6.53	---	7.06	6.82	7.13	7.10
27	7.91	7.45	7.18	6.98	6.82	6.66	6.53	---	7.06	6.81	7.14	7.08
28	7.90	7.44	7.17	6.96	6.81	6.65	6.52	---	7.05	6.80	7.14	7.06
29	7.87	7.44	7.17	6.96	6.80	6.64	6.51	6.72	7.06	6.79	7.13	7.04
30	7.85	7.43	7.16	6.95	---	6.63	6.52	6.71	7.07	6.80	7.12	7.03
31	7.82	---	7.16	6.95	---	6.63	---	6.71	---	6.80	7.14	---
TOTAL	237.40	228.88	225.75	219.90	199.97	208.32	198.00	---	206.38	214.51	216.57	---
MEAN	7.66	7.63	7.28	7.09	6.90	6.72	6.60	---	6.88	6.92	6.99	---
MAX	7.94	7.90	7.42	7.21	6.96	6.79	6.72	---	7.12	7.06	7.14	---
MIN	7.33	7.43	7.16	6.95	6.80	6.63	6.51	---	6.61	6.79	6.80	---

254130080380500 NORTHEAST SHARK RIVER SLOUGH NO. 1 NEAR COOPERTOWN, FL

LOCATION.--Lat 25°41'30", long 80°38'05" in NW1/4 sec.4, T.54 S., R.31 E., Dade County, Hydrologic Unit 03090202, 0.7 mi west of southeast corner of Blue Shanty Canal, 0.8 mi south of east-west section of Shanty Canal, and 4.7 mi southwest of Coopertown.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1976 to September 1980, July 1982 to present year (gage heights only). Prior to October 1977, published as "Northeast Shark Valley Slough No. 1 near Coopertown."

REVISED RECORD.--WDR FL-79-2A: 1977.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data available in files of the U.S. Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.14 ft Aug. 20, 1988; minimum, indeterminate, well was dry.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.12 ft Oct. 23; minimum, 6.44 ft May 19, 20.

REVISIONS.--An erroneous datum correction was applied to the stages from Sept. 13-30 for the 1995 water year. Stages corrected and republished in 1996 volume 2A.

STATION NUMBER 254130080380500
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.58	7.49	7.70	7.65	7.54	7.36	7.18	7.14	6.95	7.68	7.53	e7.48
2	7.65	7.47	7.69	7.64	7.53	7.35	7.18	7.12	6.95	7.64	7.51	e7.50
3	7.62	7.46	7.69	7.63	7.52	7.33	7.17	7.11	6.99	7.61	7.51	e7.53
4	7.59	7.45	7.68	7.65	7.51	7.32	7.16	7.10	7.05	7.58	7.56	e7.52
5	7.57	7.43	7.69	7.72	7.50	7.30	7.15	7.13	7.11	7.55	7.59	e7.52
6	7.54	7.42	7.67	7.71	7.48	7.29	7.18	7.13	7.18	7.52	7.57	e7.52
7	7.52	7.41	7.66	7.72	7.47	7.27	7.22	7.11	7.24	7.49	7.54	e7.52
8	7.50	7.41	7.65	7.75	7.46	7.34	7.22	7.11	7.22	7.47	7.51	e7.53
9	7.47	7.41	7.64	7.73	7.45	7.36	7.20	7.10	7.21	7.44	7.48	e7.53
10	7.47	7.39	7.63	7.71	7.44	7.34	7.19	7.08	7.20	7.43	7.46	e7.53
11	7.47	7.38	7.62	7.70	7.43	7.32	7.19	7.07	e7.20	7.47	7.44	e7.56
12	7.57	7.37	7.61	7.68	7.43	7.31	7.18	7.05	e7.23	7.47	7.44	e7.56
13	7.64	7.38	7.59	7.67	7.42	e7.29	7.16	7.03	e7.25	7.47	7.41	e7.56
14	7.62	7.41	7.58	7.68	7.42	e7.32	7.15	7.03	e7.27	7.44	7.39	7.55
15	7.59	7.62	7.57	7.70	7.41	7.31	7.14	7.01	7.24	7.46	7.39	7.54
16	7.55	7.99	7.56	7.70	7.40	7.30	7.13	7.04	7.26	7.50	7.38	7.53
17	7.53	8.00	7.56	7.68	7.39	7.29	7.11	7.03	7.31	7.47	7.35	7.53
18	7.51	7.95	7.55	7.67	7.38	7.28	7.11	7.01	7.31	7.48	7.33	7.52
19	7.48	7.91	7.55	7.66	7.36	7.26	7.10	6.99	7.29	7.51	7.31	7.51
20	7.47	7.89	7.55	7.64	7.38	7.24	7.09	7.03	7.37	7.50	7.29	7.51
21	7.45	7.87	7.68	7.63	7.41	7.23	7.07	7.07	7.62	7.47	7.27	7.51
22	7.43	7.86	7.76	7.61	7.39	7.22	7.07	7.08	7.86	7.45	7.25	7.50
23	7.43	7.83	7.75	7.60	7.38	7.20	7.05	7.06	7.90	7.42	7.26	7.53
24	7.41	7.80	7.73	7.59	7.37	7.19	7.04	7.06	7.88	7.41	7.44	7.52
25	7.39	7.78	7.71	7.57	7.35	7.20	7.03	7.06	7.86	7.38	7.52	7.50
26	7.38	7.77	7.71	7.55	7.36	7.21	7.03	7.04	7.83	7.38	7.51	7.49
27	7.37	7.75	7.69	7.55	7.39	7.20	7.03	7.03	7.79	7.50	7.50	7.49
28	7.37	7.74	7.68	7.54	7.38	7.19	7.05	7.02	7.76	7.58	7.50	7.56
29	7.37	7.73	7.67	7.54	---	7.19	7.14	7.01	7.74	7.56	7.48	7.61
30	7.35	7.71	7.67	7.55	---	7.19	7.15	6.99	7.72	7.57	7.47	7.60
31	7.46	---	7.66	7.55	---	7.18	---	6.97	---	7.56	7.49	---
TOTAL	232.35	229.08	237.15	236.97	207.95	225.38	213.87	218.81	221.79	232.46	230.68	225.86
MEAN	7.50	7.64	7.65	7.64	7.43	7.27	7.13	7.06	7.39	7.50	7.44	7.53
MAX	7.65	8.00	7.76	7.75	7.54	7.36	7.22	7.14	7.90	7.68	7.59	7.61
MIN	7.35	7.37	7.55	7.54	7.35	7.18	7.03	6.97	6.95	7.38	7.25	7.48

e Estimated

REVISED

EVERGLADES AND SOUTHEASTERN COASTAL AREA

254130080380500 NORTHEAST SHARK RIVER SLOUGH NO. 1 NEAR COOPERTOWN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.58	7.92	7.63	7.40	7.19	6.91	6.68	6.57	6.68	7.09	6.91	7.29
2	7.59	7.90	7.61	7.40	7.18	6.90	6.66	6.61	6.67	7.08	6.92	7.28
3	7.59	7.92	7.61	7.44	7.18	6.89	6.65	6.61	6.65	7.06	6.96	7.27
4	7.57	7.98	7.60	7.46	7.17	6.89	6.64	6.61	6.64	7.05	7.03	7.24
5	7.57	7.96	7.59	7.44	7.16	6.87	6.63	6.61	6.63	7.05	7.03	7.22
6	7.61	7.93	7.58	7.43	7.15	6.85	6.61	6.60	6.61	7.05	7.03	7.20
7	7.61	7.91	7.57	7.43	7.15	6.85	6.61	6.59	6.60	7.03	7.03	7.19
8	7.63	7.89	7.56	7.43	7.14	6.84	6.64	6.57	6.59	7.01	7.02	7.17
9	7.69	7.87	7.55	7.41	7.13	6.81	6.71	6.56	6.58	7.00	7.02	7.17
10	7.76	7.85	7.55	7.40	7.13	6.82	6.73	6.55	6.67	7.00	7.02	7.24
11	7.74	7.84	7.53	7.39	7.12	6.89	6.72	6.53	6.68	6.98	7.01	7.32
12	7.72	7.82	7.53	7.38	7.11	6.89	6.71	6.52	6.71	6.97	7.00	7.31
13	7.72	7.81	7.52	7.37	7.09	6.87	6.70	6.51	6.73	7.00	7.00	7.31
14	7.78	7.80	7.51	7.36	7.08	6.86	6.69	6.49	6.74	7.01	6.99	7.29
15	7.83	7.77	7.50	7.35	7.08	6.85	6.69	6.49	6.75	7.00	6.98	7.27
16	7.86	7.76	7.49	7.34	7.07	6.84	6.68	6.49	6.74	7.06	6.97	7.27
17	7.89	7.74	7.48	7.33	7.06	6.83	6.67	6.48	6.73	7.08	6.98	7.28
18	7.98	7.73	7.48	7.32	7.04	6.81	6.64	6.46	6.78	7.07	6.99	7.28
19	8.01	7.72	7.47	7.32	7.03	6.80	6.61	6.45	6.85	7.07	7.02	7.27
20	8.01	7.71	7.48	7.31	7.02	6.79	6.60	6.45	7.05	7.04	7.08	7.31
21	8.00	7.70	7.46	7.30	7.01	6.77	6.59	6.52	7.15	7.02	7.13	7.29
22	7.98	7.69	7.45	7.29	7.00	6.76	6.57	6.61	7.13	7.00	7.17	7.27
23	8.06	7.68	7.45	7.28	6.99	6.75	6.56	6.61	7.13	6.98	7.19	7.26
24	8.08	7.67	7.44	7.26	6.98	6.74	6.55	6.61	7.19	6.97	7.23	7.25
25	8.05	7.66	7.42	7.25	6.97	6.73	6.53	6.62	7.18	6.95	7.23	7.23
26	8.03	7.65	7.41	7.25	6.96	6.72	6.53	6.65	7.15	6.94	7.25	7.21
27	8.01	7.64	7.40	7.23	6.95	6.71	6.55	6.65	7.13	6.93	7.30	7.20
28	8.00	7.64	7.40	7.21	6.94	6.70	6.54	6.66	7.13	6.92	7.31	7.18
29	7.98	7.64	7.40	7.21	6.93	6.69	6.53	6.68	7.12	6.92	7.30	7.17
30	7.95	7.64	7.40	7.20	---	6.69	6.53	6.68	7.11	6.91	7.30	7.16
31	7.93	---	7.40	7.20	---	6.68	---	6.68	---	6.91	7.32	---
TOTAL	242.81	233.44	232.47	227.39	205.01	211.00	198.75	203.72	205.50	217.15	219.72	217.40
MEAN	7.83	7.78	7.50	7.34	7.07	6.81	6.62	6.57	6.85	7.00	7.09	7.25
MAX	8.08	7.98	7.63	7.46	7.19	6.91	6.73	6.68	7.19	7.09	7.32	7.32
MIN	7.57	7.64	7.40	7.20	6.93	6.68	6.53	6.45	6.58	6.91	6.91	7.16

254100080402400 L-67 EXTENDED CANAL WEST NEAR FLORIDA CITY, FL

LOCATION.--Lat 25°41'00", long 80°40'24", between sec.24, T.55 S., R.36 E., and sec.6, T.55 S., R.37 E., between hiatus of unsurveyed area, Dade County, Hydrologic Unit 03090202, 5.8 mi south of US 41 on the L-67 extension levee and 11.8 mi west of Krome Avenue.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1983 to present year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 9.40 ft Oct. 18, 23, 1995; minimum, 3.50 ft Apr. 8, 1990.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 9.40 ft Oct. 18, 23; minimum, 6.24 ft May 19, 20.

STATION NUMBER 254100080402400
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.96	9.18	8.92	8.54	8.14	7.13	6.64	6.49	6.44	7.52	7.71	8.09
2	9.01	9.17	8.91	8.53	8.09	7.12	6.62	6.48	6.42	7.53	7.74	8.07
3	9.01	9.18	8.89	8.56	8.05	7.10	6.60	6.49	6.40	7.54	7.79	8.05
4	8.98	9.19	8.88	8.56	8.01	7.08	6.60	6.47	6.39	7.54	7.85	8.03
5	8.97	9.17	8.87	8.53	7.96	7.06	6.59	6.45	6.38	7.56	7.83	8.00
6	9.04	9.16	8.86	8.51	7.92	7.04	6.58	6.43	6.44	7.57	7.83	7.99
7	9.07	9.15	8.84	8.51	7.89	7.03	6.57	6.42	6.59	7.57	7.82	7.97
8	9.09	9.14	8.83	8.50	7.85	7.01	6.60	6.40	6.62	7.57	7.80	7.96
9	9.15	9.12	8.82	8.47	7.81	7.00	6.68	6.38	6.64	7.58	7.80	7.96
10	9.19	9.11	8.81	8.45	7.78	7.01	6.69	6.37	6.73	7.60	7.81	8.03
11	9.18	9.10	8.78	8.44	7.74	7.07	6.67	6.36	6.75	7.60	7.80	8.04
12	9.15	9.10	8.77	8.43	7.70	7.06	6.65	6.35	6.79	7.60	7.79	8.03
13	9.15	9.09	8.75	8.41	7.66	7.04	6.63	6.34	6.81	7.63	7.78	8.03
14	9.20	9.09	8.74	8.40	7.61	7.02	6.62	6.33	6.83	7.64	7.77	8.01
15	9.25	9.08	8.73	8.39	7.58	6.99	6.60	6.32	6.84	7.64	7.76	8.00
16	9.33	9.06	8.71	8.38	7.55	6.96	6.58	6.30	6.85	7.70	7.76	8.03
17	9.33	9.05	8.70	8.36	7.52	6.92	6.56	6.28	6.87	7.72	7.76	8.04
18	9.38	9.05	8.68	8.35	7.47	6.90	6.55	6.26	6.89	7.72	7.77	8.02
19	9.36	9.04	8.67	8.34	7.44	6.87	6.53	6.25	6.95	7.73	7.80	8.02
20	9.33	9.03	8.67	8.33	7.40	6.85	6.52	6.25	7.18	7.73	7.84	8.02
21	9.31	9.03	8.65	8.31	7.37	6.81	6.50	6.35	7.30	7.73	7.89	8.00
22	9.29	9.02	8.63	8.30	7.34	6.79	6.49	6.41	7.30	7.75	7.93	7.99
23	9.35	9.00	8.62	8.28	7.31	6.76	6.48	6.43	7.31	7.77	7.95	7.97
24	9.35	8.99	8.60	8.26	7.29	6.74	6.46	6.44	7.38	7.78	7.96	7.96
25	9.32	8.98	8.59	8.25	7.25	6.72	6.45	6.43	7.42	7.77	7.95	7.95
26	9.30	8.97	8.57	8.23	7.22	6.70	6.45	6.44	7.41	7.76	7.97	7.95
27	9.30	8.96	8.56	8.21	7.20	6.68	6.46	6.44	7.43	7.74	8.05	7.93
28	9.27	8.95	8.56	8.18	7.18	6.67	6.45	6.46	7.47	7.73	8.07	7.92
29	9.24	8.94	8.55	8.16	7.15	6.67	6.43	6.47	7.48	7.72	8.10	7.91
30	9.22	8.94	8.54	8.16	---	6.66	6.46	6.48	7.50	7.72	8.09	7.92
31	9.20	---	8.54	8.16	---	6.65	---	6.47	---	7.71	8.10	---
TOTAL	285.28	272.04	270.24	259.49	220.48	214.11	196.71	198.24	207.81	237.47	243.87	239.89
MEAN	9.20	9.07	8.72	8.37	7.60	6.91	6.56	6.39	6.93	7.66	7.87	8.00
MAX	9.38	9.19	8.92	8.56	8.14	7.13	6.69	6.49	7.50	7.78	8.10	8.09
MIN	8.96	8.94	8.54	8.16	7.15	6.65	6.43	6.25	6.38	7.52	7.71	7.91

254100080402200 NORTHEAST SHARK RIVER SLOUGH EAST OF L 67 EXT. NEAR RICHMOND HEIGHTS, FL

LOCATION.--Lat 25°41'00", long 80°40'22", in NW1/4 sec.6, T.55 S., R.37 E., Dade County, Hydrologic Unit 03090202, 5.8 mi south of US 41 on the L-67 extension levee and 11.8 mi west of Krome Avenue.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1984 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.38 ft. Oct. 23, 1995; minimum, indeterminate, well was dry.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.38 ft. Oct. 23; minimum, 6.38 ft. May 19.

STATION NUMBER 254100080402200
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.96	8.18	7.96	---	7.52	---	6.74	6.77	6.77	7.19	7.17	7.47
2	7.98	8.16	7.96	---	7.50	---	6.72	6.73	6.75	7.18	7.18	7.46
3	7.98	8.16	7.95	---	7.49	---	6.69	6.71	6.73	7.17	7.22	7.45
4	7.96	8.22	---	---	7.48	---	6.68	6.68	6.72	7.17	7.29	7.43
5	7.95	8.20	---	---	7.46	---	6.67	6.66	6.71	7.17	7.28	7.41
6	7.99	8.18	---	---	7.45	---	6.66	6.63	6.68	7.17	7.28	7.40
7	7.99	8.17	---	---	7.44	---	6.65	6.61	6.68	7.16	7.28	7.40
8	8.00	8.15	---	---	7.43	---	6.72	6.59	6.69	7.14	7.26	7.38
9	8.07	8.14	---	---	7.42	---	6.85	6.57	6.67	7.14	7.27	7.37
10	8.10	8.12	---	---	7.41	---	6.82	6.54	6.86	7.15	7.27	7.41
11	8.09	---	---	---	7.39	---	6.79	6.52	6.82	7.14	7.26	7.45
12	8.06	---	---	7.71	7.37	---	6.78	6.50	6.81	7.13	7.25	7.46
13	8.07	---	---	7.69	7.35	---	6.77	6.49	6.83	7.14	7.24	7.46
14	8.11	---	---	7.68	7.33	---	6.76	6.48	6.83	7.15	7.23	7.45
15	8.15	---	---	7.68	7.32	---	6.75	6.47	6.82	7.14	7.22	7.44
16	8.20	---	---	7.68	7.31	---	6.73	6.45	6.82	7.21	7.22	7.46
17	8.21	---	---	7.67	7.29	---	6.71	6.43	6.84	7.21	7.22	7.48
18	8.29	---	---	7.66	7.27	---	6.69	6.41	6.85	7.22	7.24	7.46
19	8.29	---	---	7.65	7.25	---	6.67	6.40	6.93	7.22	7.26	7.44
20	8.29	---	---	7.63	7.24	---	6.65	6.41	7.16	7.21	7.30	7.46
21	8.27	---	---	7.62	7.23	---	6.64	6.60	7.25	7.20	7.34	7.45
22	8.25	---	---	7.61	7.21	---	6.62	---	7.22	7.22	7.37	7.43
23	8.32	---	---	7.60	7.20	---	6.60	---	7.23	7.23	7.41	7.42
24	8.35	7.98	---	7.59	7.19	---	6.58	6.70	7.29	7.22	7.42	7.41
25	8.31	7.98	---	7.58	7.17	---	6.56	6.70	7.29	7.21	7.42	7.40
26	8.29	7.98	---	7.57	7.16	---	6.60	6.73	7.25	7.21	7.43	7.39
27	8.27	7.97	---	7.56	7.15	---	6.72	6.75	7.22	7.20	7.47	7.38
28	8.25	7.97	---	7.53	7.10	6.76	6.67	6.78	7.22	7.18	7.47	7.36
29	8.23	7.96	---	7.51	7.07	6.76	6.63	6.83	7.20	7.18	7.48	7.35
30	8.21	7.96	---	7.52	---	6.76	---	6.81	7.20	7.18	7.47	7.34
31	8.19	---	---	7.53	---	6.75	---	6.79	---	7.17	7.48	---
TOTAL	252.68	---	---	---	212.20	---	---	---	208.34	222.61	226.70	222.67
MEAN	8.15	---	---	---	7.32	---	---	---	6.94	7.18	7.31	7.42
MAX	8.35	---	---	---	7.52	---	---	---	7.29	7.23	7.48	7.48
MIN	7.95	---	---	---	7.07	---	---	---	6.67	7.13	7.17	7.34

253828080391100 NORTHEAST SHARK RIVER SLOUGH NO. 4, NORTH OF GROSSMAN, FL

LOCATION.--Lat 25°38'24", long 80°39'10", in NW1/4 sec.4, T.54 S., R. Government Lot 6 E., Dade County, Hydrologic Unit 03090202, approximately 2.0 mi northeast of the extreme southern end of the L-67 extension levee and 11.8 mi west of Krome Avenue. (Corrected).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1985 to current year (gage heights only).

REVISED RECORDS.--WDR FL-93-2A; 90-92, 94.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Hurricane Andrew destroyed the gage and all reference marks in 1992. The station was rebuilt on February 19, 1993 and precise adjustments to the gage datum prior to 1993 based on Everglades National Park contractor surveys was not possible. The reader should use -0.40 to approximate this adjustment for water years prior to 1993.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.04 ft Oct. 23, 24, 1995; minimum, indeterminate, well was dry.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.04 ft Oct. 23, 24; minimum, 6.04 ft May 20.

REVISIONS.--Optical surveys performed by Everglades National Park contractors tied in large areas of Shark River Slough to a more accurate datum plane in 1995. A datum correction of -0.40 was applied to the entire 1993 water year.

CORRECTIONS.--Previously published extremes for the 1986 through the 1989 water years were in error. The corrections are as follows:

1986 water year: maximum 6.91 ft Aug. 19; minimum 5.66 ft June 1, 2.

1987 water year: maximum, 6.71 ft Oct. 1, 29; minimum 5.63 ft June 15.

1988 water year: maximum, 7.47 ft Aug. 20; minimum, 5.51 ft Apr. 30.

1989 water year: maximum, 7.23 ft Oct. 7; minimum, indeterminate.

SEE FOLLOWING PAGE FOR REVISED GAGE HEIGHT TABLE FOR 1993 WATER YEAR

EVERGLADES AND SOUTHEASTERN COASTAL AREA

253828080391100 NORTHEAST SHARK RIVER SLOUGH NO. 4, NORTH OF GROSSMAN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	6.65	6.74	6.79	7.08	6.85	6.70	6.72
2	---	---	---	---	---	6.65	6.72	6.77	7.08	6.84	6.69	6.73
3	---	---	---	---	---	6.65	6.71	6.75	7.05	6.86	6.67	6.75
4	---	---	---	---	---	6.65	---	6.74	7.02	6.84	6.66	6.74
5	---	---	---	---	---	6.64	---	6.72	6.99	6.80	6.65	6.74
6	---	---	---	---	---	6.64	---	6.71	6.98	6.78	6.63	6.73
7	---	---	---	---	---	6.64	---	6.69	6.96	6.75	6.61	6.75
8	---	---	---	---	---	6.65	---	6.69	6.94	6.75	6.61	6.83
9	---	---	---	---	---	6.64	---	6.67	6.91	6.74	6.62	6.88
10	---	---	---	---	---	6.64	---	6.67	6.87	6.72	6.63	6.84
11	---	---	---	---	---	6.64	---	6.65	6.84	6.72	6.61	6.80
12	---	---	---	---	---	6.64	---	6.65	6.81	6.74	6.61	6.79
13	---	---	---	---	---	6.69	6.71	6.64	6.78	6.76	6.61	6.77
14	---	---	---	---	---	6.69	6.71	6.62	6.75	6.78	6.66	6.77
15	---	---	---	---	---	6.72	6.70	6.61	6.73	6.79	6.67	6.78
16	---	---	---	---	---	6.74	6.76	6.59	6.72	6.79	6.67	6.79
17	---	---	---	---	---	6.78	6.77	6.59	6.73	6.77	6.68	6.79
18	---	---	---	---	---	6.83	6.77	6.59	6.71	6.75	6.68	6.79
19	---	---	---	---	6.56	6.83	6.76	6.62	6.69	6.75	6.67	6.78
20	---	---	---	---	6.57	6.85	6.75	6.60	6.68	6.75	6.66	6.75
21	---	---	---	---	6.57	6.85	6.74	6.59	6.66	6.75	6.65	6.73
22	---	---	---	---	6.60	6.86	6.72	6.57	6.68	6.74	6.64	6.73
23	---	---	---	---	6.62	6.85	6.71	6.57	6.70	6.72	6.63	6.74
24	---	---	---	---	6.63	6.84	6.71	6.56	6.76	6.71	6.62	6.74
25	---	---	---	---	6.64	6.82	6.70	6.55	6.80	6.71	6.67	6.75
26	---	---	---	---	6.65	6.81	6.70	6.54	6.86	6.69	6.69	6.74
27	---	---	---	---	6.65	6.80	6.74	6.53	6.92	6.68	6.70	6.75
28	---	---	---	---	6.65	6.79	6.87	6.58	6.92	6.71	6.71	6.74
29	---	---	---	---	---	6.77	6.84	6.73	6.90	6.69	6.71	6.73
30	---	---	---	---	---	6.77	6.81	6.82	6.87	6.68	6.71	6.71
31	---	---	---	---	---	6.75	---	6.96	---	6.69	6.73	---
TOTAL	---	---	---	---	---	208.77	---	206.36	205.39	209.30	206.45	202.88
MEAN	---	---	---	---	---	6.73	---	6.66	6.85	6.75	6.66	6.76
MAX	---	---	---	---	---	6.86	---	6.96	7.08	6.86	6.73	6.88
MIN	---	---	---	---	---	6.64	---	6.53	6.66	6.68	6.61	6.71

REVISED

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 281

253828080391100 NORTHEAST SHARK RIVER SLOUGH NO. 4, NORTH OF GROSSMAN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.55	7.81	7.56	7.34	7.10	6.68	6.39	6.22	6.27	---	6.75	7.07
2	7.56	7.80	7.55	7.34	7.09	6.67	6.37	6.23	6.27	---	6.75	7.07
3	7.55	7.78	7.54	7.38	7.10	6.66	6.35	6.29	6.26	---	6.79	7.06
4	7.54	7.82	7.53	7.39	7.08	6.64	6.34	6.30	6.27	---	6.87	7.05
5	7.52	7.82	7.52	7.38	7.06	6.63	6.32	6.27	6.27	---	6.86	7.04
6	7.57	7.80	7.52	7.36	7.04	6.61	6.31	6.25	6.26	---	6.90	7.03
7	7.56	7.79	7.51	7.39	7.03	6.61	6.30	6.23	6.25	---	6.89	7.05
8	7.58	7.78	7.50	7.37	7.02	---	6.36	6.22	6.24	---	6.87	7.04
9	7.65	7.76	7.49	7.35	7.01	---	6.45	6.20	6.24	---	6.87	7.03
10	7.70	7.74	7.49	7.34	7.00	---	6.45	6.18	6.32	---	6.86	7.09
11	7.69	7.73	7.48	7.32	6.99	6.67	6.44	6.17	6.32	---	6.85	7.15
12	7.67	7.72	7.46	7.32	6.97	6.65	6.42	6.15	6.34	---	6.84	7.15
13	7.67	7.70	7.46	7.30	6.95	6.64	6.41	6.14	6.37	---	6.83	7.14
14	7.73	7.70	7.45	7.29	6.93	6.62	6.40	6.13	6.37	---	6.82	7.15
15	7.78	7.68	7.44	7.28	6.92	6.61	6.39	6.11	6.37	---	6.82	7.12
16	7.83	7.66	7.44	7.27	6.91	6.60	6.38	6.10	6.37	---	6.81	7.16
17	7.85	7.66	7.42	7.26	6.89	6.59	6.36	6.08	6.40	---	6.81	7.20
18	7.93	7.64	7.42	7.25	6.87	6.57	6.35	6.07	6.44	---	6.81	7.18
19	7.94	7.64	7.41	7.24	6.85	6.55	6.32	6.06	6.45	6.79	6.84	7.14
20	7.93	7.63	7.42	7.24	6.84	6.53	6.31	6.06	6.58	6.88	6.88	7.14
21	7.90	7.62	7.40	7.22	6.83	6.52	6.29	6.14	6.66	6.86	6.96	7.14
22	7.91	7.61	7.39	7.21	6.81	6.51	6.28	6.21	---	6.85	6.98	7.16
23	8.00	7.60	7.39	7.20	6.79	6.49	6.26	6.19	---	6.83	7.00	7.14
24	8.02	7.60	7.38	7.19	6.78	6.47	6.25	6.21	---	6.83	7.05	7.12
25	7.98	7.60	7.36	7.18	6.76	6.46	6.23	6.19	---	6.81	7.04	7.10
26	7.94	7.58	7.36	7.17	6.74	6.45	6.22	6.19	---	6.80	7.06	7.10
27	7.91	7.58	7.34	7.16	6.72	6.43	6.23	6.20	---	6.79	7.08	7.08
28	7.89	7.57	7.34	7.14	6.71	6.43	6.21	6.23	---	6.77	7.08	7.07
29	7.87	7.57	7.35	7.13	6.69	6.42	6.19	6.25	---	6.75	7.08	7.05
30	7.84	7.57	7.34	7.12	---	6.41	6.21	6.29	---	6.75	7.07	7.05
31	7.82	---	7.34	7.11	---	6.40	---	6.28	---	6.74	7.07	---
TOTAL	240.88	230.56	230.60	225.24	200.48	---	189.79	191.84	---	---	214.19	213.07
MEAN	7.77	7.69	7.44	7.27	6.91	---	6.33	6.19	---	---	6.91	7.10
MAX	8.02	7.82	7.56	7.39	7.10	---	6.45	6.30	---	---	7.08	7.20
MIN	7.52	7.57	7.34	7.11	6.69	---	6.19	6.06	---	---	6.75	7.03

253753080393600 NORTHEAST SHARK RIVER SLOUGH NO. 5, SOUTH OF GROSSMAN, FL

LOCATION.--Lat 25°37'53", long 80°39'36", in NW1/4 sec.4, T.54 S., R. Government Lot 6 E., Dade County, Hydrologic Unit 03090202, approximately 0.3 mi northeast of the extreme southern end of the L-67 extension levee and 11.8 mi west of Krome Avenue.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1985 to current year (gage heights only).

REVISED RECORDS.--WDR FL-95-2A, 1994.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records for 1990 and 1991 water years were published with erroneous datum of 0.48 ft. Records revised in the files of the U.S. Geological Survey. Optical levels run in 1995 water year from a different starting point than historic records. The 1994 and 1995 water years incorporated this datum. Consideration should be used when comparisons made to data prior to 1994 water year.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.06 ft Oct. 23, 24, 1995; minimum, indeterminate many days during 1989, 1990, 1991, 1992 water years when well went dry.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.06 ft Oct. 23, 24; minimum, 6.02 ft May 20.

STATION NUMBER 253753080393600												
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.56	7.82	7.58	7.37	7.12	6.68	6.35	6.21	6.23	6.89	6.79	7.09
2	7.57	7.81	7.58	7.37	7.10	6.67	6.33	6.26	6.22	6.88	6.79	7.08
3	7.57	7.80	7.56	7.39	7.11	6.67	6.31	6.33	6.21	6.87	6.82	7.07
4	7.57	7.82	7.56	7.40	7.09	6.66	6.30	6.32	6.21	6.88	6.89	7.06
5	7.56	7.82	7.55	7.40	7.07	6.64	6.28	6.29	6.21	6.90	6.89	7.05
6	7.59	7.81	7.55	7.38	7.05	6.62	6.27	6.26	6.20	6.90	6.92	7.04
7	7.60	7.80	7.54	7.40	7.04	6.61	6.26	6.24	6.20	6.88	6.91	7.07
8	7.61	7.79	7.53	7.39	7.03	6.59	6.33	6.22	6.20	6.86	6.89	7.05
9	7.66	7.77	7.52	7.37	7.02	6.57	6.46	6.20	6.19	6.85	6.89	7.04
10	7.69	7.75	7.51	7.36	7.00	6.58	6.46	6.18	6.28	6.86	6.89	7.10
11	7.69	7.74	7.51	7.35	6.99	6.64	6.43	6.16	6.29	6.85	6.88	---
12	7.68	7.73	7.49	7.34	6.97	6.63	6.41	6.14	6.33	6.84	6.86	---
13	7.69	7.72	7.49	7.32	6.95	6.61	6.40	6.13	6.36	6.86	6.85	7.14
14	---	7.72	7.48	7.31	6.93	6.60	6.39	6.12	6.37	6.89	6.85	7.15
15	---	7.70	7.47	7.30	6.92	6.58	6.37	6.10	6.36	6.87	6.84	7.12
16	---	7.69	7.46	7.29	6.90	6.57	6.35	6.09	6.36	6.94	6.83	7.17
17	7.88	7.68	7.45	7.28	6.89	6.55	6.34	6.07	6.40	6.97	6.83	7.20
18	7.94	7.68	7.44	7.27	6.87	6.54	6.33	6.05	6.46	6.95	6.83	7.18
19	7.96	7.66	7.44	7.26	6.85	6.53	6.31	6.04	6.47	6.92	6.86	7.15
20	7.94	7.65	7.44	7.26	6.84	6.50	6.30	6.03	6.64	6.89	6.91	7.14
21	7.92	7.65	7.43	7.24	6.83	6.48	6.28	6.11	6.82	6.87	6.98	7.15
22	7.93	7.64	7.42	7.23	6.81	6.47	6.26	6.19	6.82	6.85	7.00	7.16
23	8.02	7.63	7.42	7.22	6.80	6.45	6.25	6.18	6.82	6.85	7.01	7.14
24	8.04	7.62	7.40	7.21	6.78	6.44	6.24	6.19	6.89	6.84	7.06	7.13
25	7.99	7.63	7.39	7.20	6.76	6.42	6.22	6.18	6.94	6.83	7.06	7.10
26	7.95	7.61	7.38	7.19	6.75	6.41	6.21	6.17	6.92	6.82	7.08	7.10
27	7.93	7.61	7.37	7.18	6.73	6.40	6.21	6.17	6.90	6.81	7.09	7.09
28	7.91	7.60	7.37	7.16	6.71	6.39	6.19	6.19	6.89	6.80	7.09	7.07
29	7.88	7.60	7.37	7.15	6.70	6.38	6.18	6.19	6.89	6.78	7.09	7.05
30	7.86	7.59	7.37	7.14	---	6.37	6.20	6.21	6.89	6.77	7.09	7.05
31	7.84	---	7.37	7.13	---	6.36	---	6.23	---	6.77	7.09	---
TOTAL	---	231.14	231.44	225.86	200.61	202.61	189.22	191.45	194.97	212.74	214.86	---
MEAN	---	7.70	7.47	7.29	6.92	6.54	6.31	6.18	6.50	6.86	6.93	---
MAX	---	7.82	7.58	7.40	7.12	6.68	6.46	6.33	6.94	6.97	7.09	---
MIN	---	7.59	7.37	7.13	6.70	6.36	6.18	6.03	6.19	6.77	6.79	---

02290710 BLACK CREEK CANAL AT S-21, NEAR GOULDS, FL

LOCATION.--Lat 25°32'34", long 80°19'52", in NE1/4 sec.21, T.56 S., R.40 E., Dade County, Hydrologic Unit 03090202, in control house of salinity-control structure S-21, 0.5 mi upstream from mouth, and 3.5 mi east of Goulds.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1957 to October 1969 (gage heights only), November 1969 to September 1977, October 1978 to current year.

REVISED RECORDS.--WDR FL-89-2A: 1988.

GAGE.--Water-stage upstream and downstream recorders and gate recorders. Datum of gage is National Geodetic Vertical Datum of 1929 (Dade County bench mark). Prior to Aug. 9, 1960, water-stage recorder at site 270 ft upstream in north lateral borrow canal, and Apr. 9, 1960 to July 8, 1968, at site 810 ft upstream in north lateral borrow canal all at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow is affected by tide and is occasionally reversed. Flow is regulated by the operation of salinity-control structure S-21 and by some upstream pumpage for irrigation. Discharge computed from relation between head, discharges and gate-openings at structure S-21. Records of gage heights prior to October 1962 are available in files of the U.S. Geological Survey.

COOPERATION.--Supplementary gate-opening record and gage-height record provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 20 complete water years of discharge (1971-77, 1979-90, 1995).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 10.17 ft Aug. 24, 1992; minimum, -1.09 ft Aug. 24, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 4.36 ft Nov. 15; minimum, 0.06 ft June 23.

STATION NUMBER 02290710
UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.83	1.07	1.74	1.81	1.93	1.95	1.96	2.29	2.09	1.45	2.19	2.06
2	1.99	.90	1.77	1.76	1.68	1.77	1.98	2.11	2.07	1.43	2.38	2.12
3	2.12	.82	1.80	1.51	1.73	1.84	2.00	2.32	2.03	1.40	2.27	2.13
4	2.03	.76	1.79	1.68	1.82	1.88	1.99	2.37	2.07	1.40	2.39	2.10
5	1.63	.98	1.78	1.84	1.69	1.95	1.98	2.38	2.08	1.39	2.37	2.12
6	1.55	1.06	1.77	1.74	1.78	1.94	1.97	2.39	2.10	1.33	2.37	2.18
7	1.58	1.05	1.76	1.72	1.88	1.67	1.97	2.37	2.15	1.26	2.13	2.11
8	1.53	.91	1.77	1.75	1.71	1.97	2.00	2.36	2.07	1.26	2.37	2.18
9	1.51	1.32	1.75	1.72	1.77	1.73	2.12	2.36	2.15	1.27	2.30	1.84
10	1.36	1.81	1.77	1.73	1.89	1.86	2.24	2.35	1.54	1.44	2.32	1.76
11	1.50	1.74	1.71	1.72	1.69	1.76	2.26	2.35	1.83	1.75	2.31	2.25
12	1.55	1.80	1.79	1.54	1.78	1.85	2.26	2.34	2.03	2.19	2.37	1.64
13	1.77	1.67	1.71	1.83	1.84	1.91	2.27	2.32	2.04	2.03	2.40	2.00
14	1.84	1.81	1.87	1.63	1.82	1.93	2.27	2.31	2.12	2.05	2.33	2.02
15	1.41	1.85	1.69	1.79	1.81	1.70	2.28	2.29	2.10	2.19	2.42	2.04
16	1.57	1.77	1.85	1.82	1.74	1.91	2.30	2.27	2.06	1.91	2.29	2.06
17	1.68	1.90	1.70	1.74	1.92	1.96	2.30	2.26	2.18	2.00	2.40	2.02
18	1.64	1.72	1.95	1.84	1.72	1.82	2.29	2.25	2.08	2.11	2.34	1.96
19	1.59	1.69	1.73	1.76	1.88	1.93	2.28	2.24	2.23	2.09	2.06	2.05
20	1.64	1.92	1.78	1.75	1.84	1.75	2.26	2.21	1.78	2.25	2.12	1.90
21	1.59	1.75	1.77	1.76	1.76	1.90	2.24	2.11	1.34	2.22	2.05	2.00
22	1.95	1.82	1.74	1.76	1.82	1.98	2.22	2.21	1.35	---	2.08	1.98
23	2.08	1.82	1.66	1.65	1.72	1.73	2.20	2.08	1.33	---	2.21	2.02
24	1.86	1.65	1.92	1.77	1.61	1.81	2.21	2.21	1.32	2.16	2.09	2.16
25	1.67	1.81	1.91	1.89	1.83	1.93	2.28	1.92	1.30	2.23	1.89	2.13
26	1.48	1.87	1.74	1.92	1.80	1.94	2.28	2.04	1.33	2.31	2.00	2.01
27	1.43	1.71	1.71	1.86	1.85	1.93	2.28	2.09	1.32	2.33	2.19	2.06
28	1.12	1.89	1.89	1.61	1.83	1.98	2.26	2.13	1.39	2.16	2.05	2.06
29	1.00	1.67	1.76	1.90	1.81	1.54	2.23	1.95	1.37	2.34	2.09	2.17
30	1.23	1.89	1.73	1.73	---	1.83	2.22	2.07	1.46	2.26	2.06	2.15
31	1.28	---	1.89	1.70	---	1.92	---	2.07	---	2.36	2.08	---
TOTAL	50.01	46.43	55.20	54.23	51.95	57.57	65.40	69.02	54.31	---	68.92	61.28
MEAN	1.61	1.55	1.78	1.75	1.79	1.86	2.18	2.23	1.81	---	2.22	2.04
MAX	2.12	1.92	1.95	1.92	1.93	1.98	2.30	2.39	2.23	---	2.42	2.25
MIN	1.00	.76	1.66	1.51	1.61	1.54	1.96	1.92	1.30	---	1.89	1.64

EVERGLADES AND SOUTHEASTERN COASTAL AREA
02290710 BLACK CREEK CANAL AT S-21, NEAR GOULDS, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.55	1.06	.39	.83	.61	.45	.46	.40	.97	.67	.83	.59
2	1.76	.88	.40	.74	.81	.47	.41	.44	.89	.62	.89	.52
3	1.91	.80	.49	.57	.47	.50	.74	.57	.95	.55	.77	.61
4	1.78	.74	.58	.47	.06	.90	.88	.64	.96	.59	.64	.81
5	1.26	.97	.60	.42	.27	.83	.69	.67	.85	.63	.73	.94
6	1.03	1.05	.59	.60	.71	.50	.72	.63	.75	.46	.71	.92
7	1.13	1.03	.64	.53	1.06	.33	.60	.71	.79	.34	.65	.90
8	1.03	.90	.71	.12	.75	-.03	.67	.84	.73	.36	.37	.98
9	.98	1.07	.71	.22	.49	.05	.66	.91	.64	.33	.27	.92
10	1.02	1.14	.62	.30	.45	.30	.81	.78	.66	.47	.34	.84
11	1.02	.93	.79	.57	.34	.27	.86	.55	.48	.54	.27	.85
12	1.16	.81	1.15	.58	.17	.69	.80	.51	.45	.40	.25	.83
13	1.44	1.04	1.12	.45	.06	.83	.77	.57	.41	.32	.26	.94
14	1.53	1.03	.97	.55	.16	.78	.76	.53	.28	.40	.28	.87
15	1.06	1.02	.74	.57	.31	.67	.76	.71	.26	.67	.29	.86
16	1.23	.87	.90	.76	.17	.67	.47	.51	.34	.78	.33	.78
17	1.56	1.05	1.11	.81	.17	.71	.62	.54	.18	.66	.47	.52
18	1.63	1.19	1.16	.77	.35	.66	.66	.46	.13	.54	.72	.42
19	1.57	1.08	.94	.60	.52	.32	.70	.43	-.03	.56	.78	.44
20	1.63	1.09	.65	.47	.47	.06	.64	.52	.04	.39	.98	.53
21	1.58	1.12	.88	.60	.15	-.02	.67	.71	.17	.35	.97	.51
22	1.94	1.15	1.05	.58	.21	.14	.70	.48	.23	.42	.95	.43
23	2.06	1.25	1.10	.82	.08	.21	.60	.58	.40	.39	.74	.62
24	1.84	1.16	.93	.91	.04	.38	.41	.46	.42	.24	.73	.95
25	1.66	.96	.85	.86	-.02	.31	.52	.42	.24	.40	.73	.91
26	1.46	.88	.88	1.13	.05	.18	.61	.55	.10	.53	.72	1.11
27	1.41	.94	.91	.67	.14	.12	.57	.50	.34	.70	.70	.99
28	1.09	.90	.90	.68	.16	.00	.74	.46	.48	.71	.69	.94
29	.99	.63	.79	.85	.27	-.07	.79	.46	.52	.80	.59	.95
30	1.22	.44	1.00	.61	---	.13	.61	.40	.71	.81	.70	.98
31	1.26	---	.83	.54	---	.42	---	.63	---	.78	.67	---
TOTAL	43.79	29.18	25.38	19.18	9.48	11.76	19.90	17.57	14.34	16.41	19.02	23.46
MEAN	1.41	.97	.82	.62	.33	.38	.66	.57	.48	.53	.61	.78
MAX	2.06	1.25	1.16	1.13	1.06	.90	.88	.91	.97	.81	.98	1.11
MIN	.98	.44	.39	.12	-.02	-.07	.41	.40	-.03	.24	.25	.42

02290710 BLACK CREEK CANAL AT S-21, NEAR GOULDS, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	639	315	e174	e158	.00	.00	.00	60	343	704	84	267
2	532	408	e114	e49	104	78	.00	29	354	732	11	224
3	455	363	e69	e287	132	83	.00	.00	359	682	52	177
4	510	267	e85	e171	118	1.8	.00	.00	542	582	.00	232
5	625	234	e77	e114	30	33	.00	.00	287	546	26	178
6	620	294	e74	e130	103	19	.00	3.5	229	454	20	145
7	602	267	e96	e143	15	87	.00	12	136	448	92	200
8	613	255	e91	e164	112	15	.00	12	197	362	.00	161
9	653	293	e99	e99	98	161	.00	14	166	340	45	417
10	678	479	e103	126	.00	161	.00	.00	1390	297	29	693
11	679	563	e113	131	106	81	.00	.00	1290	134	27	659
12	606	526	e88	201	110	83	.00	.00	1150	101	15	617
13	568	424	e127	67	.00	.00	.00	.00	1080	319	.00	441
14	667	.00	e57	158	98	17	.00	.00	984	181	19	440
15	977	70	e134	140	.00	92	.00	.00	784	134	.00	356
16	878	94	e74	.00	80	.00	.00	.00	667	332	28	382
17	524	85	e134	103	.00	.00	.00	.00	783	286	.00	419
18	615	48	e28	83	99	79	.00	.00	601	220	41	410
19	429	140	e124	112	.00	.00	.00	.00	896	159	211	412
20	381	34	e97	100	106	105	.00	.00	1270	54	178	550
21	207	79	e92	99	110	.00	.00	182	1230	115	251	525
22	258	79	e110	104	.00	.00	.00	93	1160	---	280	603
23	468	77	e139	127	102	118	.00	202	915	---	673	516
24	480	137	e77	120	145	.00	.00	298	814	119	801	441
25	354	125	e48	29	.00	.00	.00	459	822	85	538	421
26	384	.00	e123	48	82	4.3	.00	279	881	63	422	425
27	447	115	e120	95	.00	.00	.00	209	917	40	336	355
28	552	116	e91	158	103	.00	.00	171	658	91	306	323
29	276	e112	e125	.00	.00	128	.00	441	648	63	312	172
30	348	e39	e47	90	---	.00	.00	452	614	71	277	236
31	321	---	e87	115	---	.00	---	407	---	23	285	---
TOTAL	16346	6038.00	3017	3521.00	1853.00	1346.10	0.00	3323.50	22167	---	5359.00	11397
MEAN	527	201	97.3	114	63.9	43.4	.000	107	739	---	173	380
MAX	977	563	174	287	145	161	.00	459	1390	---	801	693
MIN	207	.00	28	.00	.00	.00	.00	.00	136	---	.00	145
AC-FT	32420	11980	5980	6980	3680	2670	.00	6590	43970	---	10630	22610

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1996, BY WATER YEAR (WY)

MEAN	283	161	90.4	92.4	82.9	54.0	42.4	85.3	262	184	264	330
MAX	1059	681	643	1180	833	388	236	377	1151	479	717	791
(WY)	1995	1995	1995	1995	1995	1983	1982	1979	1983	1995	1995	1981
MIN	46.0	26.1	.000	.000	.000	.000	.000	.000	.000	.000	6.65	40.2
(WY)	1990	1985	1985	1971	1971	1971	1971	1971	1974	1981	1987	1989

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

WATER YEARS 1970 - 1996

ANNUAL TOTAL	171314.00	
ANNUAL MEAN	469	159
HIGHEST ANNUAL MEAN		600
LOWEST ANNUAL MEAN		33.0
HIGHEST DAILY MEAN	1850	Jan 24
LOWEST DAILY MEAN	.00	Feb 15
ANNUAL SEVEN-DAY MINIMUM	41	Apr 14
ANNUAL RUNOFF (AC-FT)	339800	.00
10 PERCENT EXCEEDS	1170	115500
50 PERCENT EXCEEDS	310	438
90 PERCENT EXCEEDS	70	79
		.00

e Estimated

252523080352500 LEVEE 31 W CANAL AT S-332, NEAR FLORIDA CITY, FL

LOCATION.--Lat 25°25'23", long 80°35'25", in SE1/4 sec.35, T.57 S., R.37 E., Dade County, Hydrologic Unit 03090202, at control structure 332.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1983 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders and six relay pump monitors. Graphic dual stage recorder (South Florida Water Management District). Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair, except for estimated daily discharges, which are poor. Flow regulated by structure 332 and 3 auxiliary pumps. Discharge computed from relation between pump RPM and discharge. Digital stage recorder removed December 2, 1992, and satellite data collection platform with shaft encoder installed along with single-pull relays to monitor on/off times for each of the six pumps located inside structure 332. Starting 1993 water year auxiliary pumps 7-9 were installed and operated to increase the flow into Taylor Slough. Starting October 1992 the discharge for pumps 7-9 was combined with discharge for pumps 1-6 for total discharge published. Starting January 1995 auxiliary diesel pumps 7-9 were replaced by 3 new electrical pumps. The final discharge is a combination of discharge pumps 1-9.

COOPERATION.--Graphic upstream and downstream stage record, pump operation logs and culvert operation provided by South Florida Water Management District. U.S. Army Corps of Engineers provided discharge for auxiliary pumps 7-9.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 11 complete water years of discharge (1984-95). Starting 1993 water year, published discharge represents S-332 discharge combined with discharge for auxiliary pumps 7-9.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 5.78 ft Aug. 16, 1988; minimum, 1.52 ft May 22, 23, 1990.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 5.25 ft Oct. 17; minimum, 2.75 ft Mar. 27.

SEE THE FOLLOWING PAGES FOR THE TABLES OF STAGE AND DISCHARGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 287

252523080352500 LEVEE 31 W CANAL AT S-332, NEAR FLORIDA CITY, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.48	4.56	4.61	3.55	3.78	3.14	3.06	3.46	4.28	---	3.62	3.97
2	4.54	4.50	4.62	3.94	3.58	3.05	3.03	4.48	4.10	---	3.57	3.92
3	4.48	4.51	4.62	4.45	3.56	3.06	2.99	4.16	4.01	---	3.60	3.88
4	4.48	4.56	4.60	4.70	3.51	3.03	3.00	4.00	4.01	---	3.79	3.94
5	4.52	4.52	4.57	4.68	3.45	3.04	3.03	3.85	4.00	---	3.75	4.09
6	4.55	4.52	4.62	4.64	3.36	3.04	3.01	3.68	3.94	4.39	3.85	4.10
7	4.51	4.52	4.59	4.63	3.32	3.05	3.00	3.57	3.89	4.41	3.78	4.03
8	4.52	4.50	4.60	4.52	3.29	3.06	3.03	3.51	3.83	4.41	---	---
9	4.58	4.49	4.62	4.51	3.25	3.02	3.14	3.40	3.77	4.39	---	4.06
10	4.56	4.52	4.66	4.56	3.23	3.06	3.20	3.27	4.53	4.34	---	4.19
11	4.53	4.49	4.63	---	3.19	3.22	3.18	3.13	4.51	4.27	---	---
12	4.56	4.50	4.62	---	3.15	3.20	3.04	3.05	4.55	4.25	---	---
13	4.57	4.49	4.54	4.47	3.12	3.11	3.06	3.03	4.49	4.32	3.60	4.30
14	4.59	4.59	4.46	4.40	3.15	3.05	3.04	2.98	4.31	4.33	3.62	4.12
15	4.53	4.63	4.10	4.39	3.13	3.05	3.05	3.09	4.23	4.23	3.60	4.00
16	4.61	4.53	4.00	4.36	3.16	3.04	3.06	3.07	4.10	4.32	3.54	4.06
17	e4.75	4.50	3.93	4.35	3.14	3.06	3.05	3.05	4.13	4.15	3.51	---
18	e5.04	4.56	3.96	4.35	3.15	3.06	3.02	3.02	4.25	3.88	3.53	4.48
19	4.91	4.64	4.01	4.31	3.17	3.05	3.01	3.00	---	3.94	3.73	4.47
20	4.76	4.69	4.03	4.30	3.16	3.05	3.04	2.99	---	3.89	4.36	4.49
21	4.57	4.59	3.81	4.23	3.22	3.06	3.03	3.47	---	3.88	4.47	4.50
22	4.68	4.60	3.83	3.70	3.43	3.03	3.00	4.08	4.31	3.89	4.38	4.48
23	4.96	4.30	3.89	3.17	3.33	3.06	2.97	4.04	4.34	3.87	4.56	4.51
24	4.95	4.10	3.70	3.02	3.26	3.02	2.94	4.08	4.34	3.87	4.37	4.51
25	4.81	4.61	3.61	2.96	3.19	2.98	2.96	4.09	---	3.86	4.43	4.54
26	4.59	4.63	3.73	2.95	3.15	2.92	2.95	4.18	---	3.89	4.47	4.52
27	4.50	4.63	3.58	2.98	3.16	2.90	2.93	4.42	---	3.87	4.53	4.51
28	4.52	4.64	3.60	2.99	3.16	3.00	2.93	4.35	---	3.81	4.52	4.54
29	4.45	4.62	3.65	2.99	3.15	3.03	2.96	4.45	---	3.77	4.27	4.47
30	4.43	4.64	3.66	3.18	---	3.06	3.00	4.30	---	3.73	4.00	4.48
31	4.54	---	3.59	3.80	---	3.05	---	4.28	---	3.67	3.97	---
TOTAL	143.07	136.18	129.04	---	94.90	94.55	90.71	113.53	---	---	---	---
MEAN	4.62	4.54	4.16	---	3.27	3.05	3.02	3.66	---	---	---	---
MAX	5.04	4.69	4.66	---	3.78	3.22	3.20	4.48	---	---	---	---
MIN	4.43	4.10	3.58	---	3.12	2.90	2.93	2.98	---	---	---	---

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

252523080352500 LEVEE 31 W CANAL AT S-332, NEAR FLORIDA CITY, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	296	236	334	295	184	112	47	60	166	---	5.6	330
2	236	242	334	220	176	139	10	157	166	---	4.4	300
3	264	248	334	177	180	136	10	160	138	---	14	271
4	294	244	328	177	180	127	10	106	126	---	40	220
5	274	239	314	179	173	97	10	100	96	---	36	177
6	294	244	307	176	176	81	10	100	100	346	26	101
7	296	240	283	176	177	60	10	80	100	197	56	71
8	300	239	298	176	183	46	7.4	50	100	123	175	---
9	262	244	262	170	172	44	85	51	100	58	344	247
10	293	283	300	179	178	68	176	48	163	50	387	429
11	294	322	198	e175	180	193	134	50	158	43	299	---
12	273	292	269	e176	180	193	151	38	170	25	211	---
13	215	290	237	179	176	193	127	10	197	13	177	444
14	294	290	263	176	152	190	105	9.9	204	10	114	427
15	294	290	347	176	142	150	67	10	140	10	50	385
16	287	235	332	176	139	130	37	8.9	158	338	50	391
17	e265	270	340	179	146	102	17	10	152	441	43	---
18	e308	292	290	176	111	86	10	10	163	377	20	354
19	278	293	275	179	106	108	10	8.5	269	246	252	339
20	243	291	221	176	106	88	10	9.1	461	192	386	393
21	286	296	285	176	126	76	10	59	319	141	393	418
22	265	254	319	177	193	60	10	160	458	110	393	426
23	216	278	366	233	193	30	7.9	126	446	104	298	426
24	198	291	313	290	193	12	10	118	461	89	392	399
25	194	321	311	295	193	.00	10	168	---	71	379	369
26	274	317	271	300	185	3.7	10	160	---	38	353	384
27	294	323	248	300	152	10	10	160	---	21	327	381
28	286	306	294	295	126	10	10	162	---	10	331	359
29	293	229	357	296	113	41	10	166	---	10	323	369
30	295	301	299	252	---	136	10	170	---	10	323	335
31	293	---	258	179	---	77	---	162	---	10	252	---
TOTAL	8454	8240	9187	6486	4691	2798.70	1141.3	2687.4	---	---	6454.0	---
MEAN	273	275	296	209	162	90.3	38.0	86.7	---	---	208	---
MAX	308	323	366	300	193	193	176	170	---	---	393	---
MIN	194	229	198	170	106	.00	7.4	8.5	---	---	4.4	---
AC-FT	16770	16340	18220	12860	9300	5550	2260	5330	---	---	12800	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1996, BY WATER YEAR (WY)

MEAN	167	148	102	89.9	78.7	55.3	39.6	53.0	105	137	146	152
MAX	446	428	444	467	298	265	176	191	189	323	462	479
(WY)	1995	1995	1995	1995	1995	1994	1993	1993	1993	1995	1994	1994
MIN	86.6	60.7	10.5	9.35	4.46	3.56	3.22	4.09	62.0	60.3	26.8	.000
(WY)	1987	1987	1987	1984	1984	1985	1984	1986	1994	1994	1984	1992

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

WATER YEARS 1984 - 1996

ANNUAL TOTAL	90125.20	
ANNUAL MEAN	247	101
HIGHEST ANNUAL MEAN		287
LOWEST ANNUAL MEAN		41.3
HIGHEST DAILY MEAN	493	Jan 1
LOWEST DAILY MEAN	.00	Apr 4
ANNUAL SEVEN-DAY MINIMUM	.00	Apr 4
ANNUAL RUNOFF (AC-FT)	178800	73170
10 PERCENT EXCEEDS	437	294
50 PERCENT EXCEEDS	290	75
90 PERCENT EXCEEDS	7.3	4.6

e Estimated

022907647 LEVEE 31 NORTH EXTENSION AT 1 MILE NEAR WEST MIAMI, FL

LOCATION.--Lat 25°44'53", long 80°29'53", in SE1/4 sec. 35, T.54 S., R.38 E., Dade County, Hydrologic Unit 03090202, (South Miami NW quadrangle), 0.5 mi west of intersection of U.S. Highway 41 and Krome Avenue, and 1.0 mi south of U.S. Highway 41 on the west side of Levee 31 North Levee. (Corrected).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1989 to November 1990, (gage heights only). February 1992 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929 (FCE bench mark).

REMARKS.--Records poor. Flow is the sum of regulation from upstream control structure S-335 and S-336 and from levee seepage and rainfall. Positive flow is to the south and is rarely reversed.

COOPERATION.--Water and Sewer Authority.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent incomplete water years of discharge.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 7.60 ft June 22-24, 1995; minimum, 2.33 ft May 23, 1990.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.38 ft. Oct. 18; minimum, 4.83 ft. April 19.

STATION NUMBER 022907647
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.23	6.78	6.10	5.92	5.74	5.67	5.46	5.56	5.89	6.30	5.83	6.30
2	6.23	6.73	6.08	5.88	5.57	5.66	5.31	5.67	5.87	6.33	5.81	6.30
3	6.23	6.71	6.07	5.92	5.60	5.66	5.21	5.45	5.88	6.32	5.85	6.32
4	6.24	6.75	6.05	5.96	5.58	5.63	5.10	5.38	5.89	6.33	5.93	6.31
5	6.22	6.70	6.05	5.93	5.55	5.62	5.20	5.29	5.84	6.32	5.93	6.30
6	6.29	6.64	6.04	5.92	5.54	5.59	5.45	5.26	5.80	6.27	5.93	6.29
7	6.33	6.54	6.04	5.95	5.53	5.57	5.44	5.32	---	6.23	5.91	6.29
8	6.38	6.48	5.99	5.93	5.52	5.52	5.53	5.27	5.76	6.20	5.90	6.29
9	6.40	6.41	5.99	5.91	5.50	5.48	5.77	5.20	5.75	6.17	5.92	6.34
10	6.45	---	5.98	5.88	5.49	5.52	5.73	5.12	6.07	6.13	5.92	6.36
11	6.39	---	5.95	5.86	5.47	5.72	5.67	5.06	6.03	6.10	5.90	e6.42
12	6.36	---	5.95	5.84	5.45	5.74	5.62	5.00	6.07	6.12	5.88	e6.47
13	6.35	---	6.00	5.81	5.48	5.73	5.58	4.94	6.11	6.17	5.89	6.46
14	6.50	6.31	6.01	5.79	5.52	5.70	5.53	4.98	6.06	6.15	5.91	6.44
15	6.84	6.30	5.97	5.77	5.51	5.68	5.48	5.09	5.99	6.12	5.90	6.42
16	6.99	6.29	5.95	5.75	5.59	5.65	5.42	5.07	5.95	6.21	5.90	6.42
17	7.16	6.27	5.94	5.73	5.69	5.63	5.37	5.00	5.92	6.20	5.90	e6.46
18	7.34	6.26	5.93	5.71	5.69	5.60	5.31	4.95	5.99	6.16	5.91	6.44
19	7.26	6.25	5.92	5.70	5.69	5.57	5.22	4.92	6.11	6.14	6.02	6.44
20	7.19	6.23	5.92	5.68	5.67	5.54	5.49	4.95	6.26	6.11	6.10	6.51
21	7.13	6.22	5.90	5.66	5.73	5.50	5.51	5.31	6.29	6.09	6.21	6.57
22	7.11	6.19	5.89	5.64	5.77	5.48	5.47	5.79	6.23	6.06	6.23	6.60
23	7.26	6.28	5.88	5.64	5.77	5.44	5.41	5.70	6.18	6.05	6.34	6.56
24	7.34	6.27	5.89	5.61	5.77	5.42	5.39	5.81	6.18	6.04	6.32	6.51
25	7.24	6.19	5.93	5.65	5.76	5.39	5.43	5.84	6.17	6.01	6.30	6.48
26	7.15	6.16	5.88	5.65	5.76	5.58	5.46	5.91	6.16	5.98	6.31	6.45
27	7.08	6.14	5.83	5.63	5.72	5.42	5.45	6.03	6.18	5.95	6.31	6.42
28	7.02	6.12	5.83	5.62	5.70	5.34	5.46	5.95	6.21	5.92	6.33	6.40
29	6.94	6.12	5.83	5.60	5.68	5.53	5.42	5.88	6.23	5.87	6.32	6.38
30	6.88	6.11	5.82	5.61	---	5.56	5.40	5.91	6.27	5.87	6.30	6.37
31	6.83	---	5.85	5.77	---	5.56	---	5.91	---	5.85	6.30	---
TOTAL	209.36	---	184.46	178.92	163.04	172.70	163.29	167.52	---	189.77	187.51	192.32
MEAN	6.75	---	5.95	5.77	5.62	5.57	5.44	5.40	---	6.12	6.05	6.41
MAX	7.34	---	6.10	5.96	5.77	5.74	5.77	6.03	---	6.33	6.34	6.60
MIN	6.22	---	5.82	5.60	5.45	5.34	5.10	4.92	---	5.85	5.81	6.29

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

022907647 LEVEE 31 NORTH EXTENSION AT 1 MILE NEAR WEST MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	345	355	301	203	191	141	421	475	204	173	265	273
2	352	365	301	213	205	143	407	304	190	207	245	226
3	305	334	302	223	206	138	375	186	176	196	222	231
4	293	338	301	223	191	182	361	124	143	123	229	233
5	305	351	299	228	196	157	456	114	191	136	202	237
6	334	376	293	223	197	158	511	79	195	141	205	243
7	363	361	288	217	199	141	486	65	e112	166	212	257
8	333	376	297	219	189	160	500	63	59	154	212	255
9	301	370	302	221	181	156	281	60	82	152	244	254
10	314	e383	291	218	183	146	164	70	104	235	191	208
11	360	e382	292	218	178	146	145	64	109	198	177	---
12	366	e388	289	212	196	189	145	63	124	154	202	---
13	336	e387	280	214	178	197	128	42	109	171	203	204
14	308	359	271	214	171	173	115	169	119	181	224	220
15	256	337	260	219	181	167	95	217	115	168	215	235
16	224	334	251	218	148	159	171	221	124	121	240	182
17	192	332	251	224	138	151	193	198	152	184	226	---
18	200	327	243	226	164	138	183	183	97	169	213	187
19	237	331	240	231	136	167	350	169	91	152	204	183
20	277	332	236	215	138	161	525	182	28	155	208	149
21	299	321	237	209	144	167	508	159	131	165	181	156
22	300	314	231	218	142	175	522	131	116	146	218	163
23	211	285	227	221	156	182	536	97	160	174	171	159
24	235	301	223	227	142	180	528	47	118	170	205	174
25	274	304	214	221	152	164	544	78	104	161	225	205
26	278	305	220	225	138	262	548	97	150	176	168	248
27	286	308	226	218	154	371	544	81	138	180	215	222
28	301	316	229	214	140	489	528	153	151	220	204	214
29	349	317	232	208	165	524	532	183	138	234	206	170
30	326	309	233	213	---	479	506	135	184	228	232	151
31	323	---	224	185	---	459	---	210	---	212	261	---
TOTAL	9183	10198	8084	6738	4899	6622	11308	4419	3914	5402	6625	---
MEAN	296	340	261	217	169	214	377	143	130	174	214	---
MAX	366	388	302	231	206	524	548	475	204	235	265	---
MIN	192	285	214	185	136	138	95	42	28	121	168	---
AC-FT	18210	20230	16030	13360	9720	13130	22430	8770	7760	10710	13140	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1996, BY WATER YEAR (WY)

MEAN	297	305	265	256	181	236	397	234	140	184	255	287
MAX	333	340	336	372	193	295	493	487	154	333	313	311
(WY)	1995	1996	1995	1995	1994	1993	1992	1992	1995	1995	1995	1994
MIN	279	265	200	178	169	207	308	126	130	46.0	214	267
(WY)	1993	1994	1994	1994	1996	1994	1993	1995	1996	1994	1996	1992

SUMMARY STATISTICS

WATER YEARS 1992 - 1996

HIGHEST DAILY MEAN	738	Jul 16 1995
LOWEST DAILY MEAN	-81	Jun 25 1992
ANNUAL SEVEN-DAY MINIMUM	4.6	Jun 22 1992
10 PERCENT EXCEEDS	419	
50 PERCENT EXCEEDS	243	
90 PERCENT EXCEEDS	120	

e Estimated

02290765 LEVEE 31 NORTH EXTENSION AT 3 MILE NEAR WEST MIAMI, FL

LOCATION.--Lat 25°43'02", long 80°29'50", in SE1/4 sec.35, T.54S., R.38E., Dade County, Hydrologic Unit 03090202, (South Miami NW quadrangle), 0.5 mi west of intersection of U.S. Highway 41 and Krome Avenue, and 3 mi south of U.S. Highway 41 on the west side of Levee 31 North Levee. (Corrected).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1992 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929 (FCE bench mark).

REMARKS.--Records poor. Flow is the sum of regulation from upstream control structure S-335 and S-336 and from levee seepage and rainfall. Positive flow is to the south and is rarely reversed.

COOPERATION.--Dade County Water and Sewer Authority (WASA).

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 4 complete water years of discharge (1993-96).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 7.58 ft June 23, 1995; minimum, 3.54 ft June 3, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.31 ft Oct. 18; minimum, 4.75 ft Apr. 19.

STATION NUMBER 02290765
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.16	6.69	e6.01	5.84	5.65	5.58	5.37	5.47	5.80	6.23	5.73	6.22
2	6.13	6.64	6.00	5.79	5.48	5.58	5.22	5.58	5.77	6.27	5.71	6.22
3	6.12	6.62	5.99	5.85	5.52	5.59	5.12	5.37	5.79	6.24	5.75	6.24
4	6.13	6.67	5.97	5.89	5.51	5.55	5.00	5.29	5.79	6.25	5.83	6.23
5	6.11	6.62	5.98	5.86	5.48	5.54	5.10	5.20	5.75	6.25	5.82	6.22
6	6.19	e6.56	5.96	5.84	5.47	5.50	5.35	5.17	5.71	6.19	5.83	6.21
7	6.23	e6.47	5.96	5.87	5.45	5.48	5.35	5.24	5.69	6.15	5.82	6.21
8	6.28	e6.40	5.92	5.86	5.44	5.45	5.44	5.18	5.66	6.11	5.80	6.21
9	6.30	6.34	5.91	5.82	5.42	5.42	5.68	5.11	5.66	6.08	5.82	6.26
10	6.35	6.29	5.91	5.80	5.40	5.44	5.66	5.03	5.98	6.05	5.82	6.28
11	6.29	6.24	5.88	5.77	5.39	5.65	5.59	4.97	5.94	6.01	5.80	e6.34
12	6.26	6.22	5.87	5.75	5.38	5.67	5.54	4.91	5.99	6.03	5.78	e6.39
13	6.25	6.19	5.92	5.73	5.40	5.65	5.50	4.85	6.02	6.09	5.79	6.38
14	6.40	6.23	5.93	5.70	5.44	5.62	5.45	4.89	5.97	6.06	5.81	6.36
15	6.74	6.23	5.89	5.69	5.42	5.59	5.40	5.00	5.90	6.03	5.80	6.34
16	6.91	6.21	5.87	5.67	5.51	5.57	5.34	4.99	5.86	6.13	5.80	6.34
17	7.07	6.20	5.86	5.65	5.62	5.54	5.28	4.91	5.83	6.11	5.80	e6.38
18	7.26	6.19	5.85	5.63	5.61	5.51	5.22	4.86	5.90	6.07	5.81	6.36
19	7.17	6.17	5.84	5.61	5.61	5.49	5.13	4.83	6.02	6.05	5.92	6.36
20	7.09	6.16	5.85	5.60	5.59	5.46	5.39	4.85	6.18	6.02	6.02	6.43
21	7.04	6.14	5.83	5.58	5.65	5.42	5.42	5.21	6.22	6.00	6.12	6.49
22	7.01	6.12	5.81	5.57	5.69	5.39	5.37	5.69	6.15	5.97	6.14	6.52
23	7.17	6.21	5.81	5.55	5.69	5.36	5.31	5.61	6.10	5.95	6.26	6.48
24	7.26	6.20	5.81	5.53	5.69	5.33	5.29	5.72	6.10	5.94	6.24	6.44
25	7.14	6.12	5.85	5.57	5.68	5.30	5.33	5.75	6.08	5.91	6.22	6.39
26	7.06	6.08	5.81	5.57	5.68	5.50	5.36	5.82	6.07	5.88	6.23	6.37
27	6.98	6.06	5.76	5.55	5.64	5.32	5.36	5.93	6.10	5.85	6.23	6.34
28	6.92	6.03	5.75	5.54	5.62	5.24	5.37	5.85	6.13	5.82	6.25	6.31
29	e6.88	6.03	5.75	5.52	5.60	5.43	5.32	5.78	6.15	5.78	6.24	6.28
30	e6.80	6.03	5.75	5.53	---	5.46	5.29	5.81	6.19	5.77	6.22	6.27
31	e6.74	---	5.77	5.69	---	5.46	---	5.82	---	5.75	6.23	---
TOTAL	206.44	188.36	182.07	176.42	160.73	170.09	160.55	164.69	178.50	187.04	184.64	189.87
MEAN	6.66	6.28	5.87	5.69	5.54	5.49	5.35	5.31	5.95	6.03	5.96	6.33
MAX	7.26	6.69	6.01	5.89	5.69	5.67	5.68	5.93	6.22	6.27	6.26	6.52
MIN	6.11	6.03	5.75	5.52	5.38	5.24	5.00	4.83	5.66	5.75	5.71	6.21

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02290765 LEVEE 31 NORTH EXTENSION AT 3 MILE NEAR WEST MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	493	e457	e384	295	324	207	472	484	210	e303	365	387
2	492	e467	378	309	283	204	444	336	233	e337	345	345
3	426	e436	389	310	306	180	425	247	259	252	337	315
4	390	e440	390	296	264	207	418	199	211	263	366	365
5	433	e453	380	306	261	202	488	201	226	301	326	334
6	445	e478	382	329	284	231	523	165	238	297	337	e345
7	455	e463	392	317	293	201	502	143	186	319	342	e359
8	431	e478	387	299	304	222	525	124	157	286	340	e357
9	439	e472	399	326	314	191	322	121	193	302	330	e356
10	446	e485	368	313	319	181	189	144	193	361	307	332
11	468	e484	358	352	311	169	180	140	266	289	314	---
12	461	e490	352	312	299	216	191	127	258	278	330	---
13	443	e489	381	310	280	241	215	127	208	e305	315	297
14	402	421	349	332	282	241	203	223	243	e254	312	351
15	329	404	337	307	279	222	178	246	230	e294	339	336
16	293	391	351	309	243	220	244	233	263	e243	345	273
17	238	389	329	323	192	198	198	239	292	313	349	e282
18	240	380	322	346	208	189	188	267	245	311	308	272
19	285	380	311	328	196	223	384	237	204	274	275	272
20	357	386	314	329	205	215	536	231	120	287	287	218
21	371	392	309	357	228	226	513	201	256	283	275	219
22	300	373	310	332	229	252	533	186	293	306	308	258
23	180	339	311	318	239	252	557	193	310	285	287	241
24	228	381	299	358	233	215	544	122	198	298	284	269
25	323	373	287	305	249	208	551	144	217	293	315	306
26	379	356	300	299	181	279	566	169	311	300	286	325
27	390	371	324	313	208	380	557	153	260	300	320	313
28	413	387	316	294	206	531	522	253	e281	289	330	292
29	e451	387	318	316	217	577	522	280	e268	318	351	266
30	e428	372	308	333	---	511	521	228	e314	333	339	239
31	e428	---	297	285	---	501	---	247	---	344	376	---
TOTAL	11857	12574	10632	9858	7437	8092	12211	6410	7143	9218	10040	---
MEAN	382	419	343	318	256	261	407	207	238	297	324	---
MAX	493	490	399	358	324	577	566	484	314	361	376	---
MIN	180	339	287	285	181	169	178	121	120	243	275	---
AC-FT	23520	24940	21090	19550	14750	16050	24220	12710	14170	18280	19910	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1996, BY WATER YEAR (WY)

MEAN	365	344	320	338	321	352	433	324	205	318	356	421
MAX	409	419	417	520	396	532	518	461	270	481	456	471
(WY)	1995	1996	1995	1995	1995	1992	1995	1992	1993	1995	1995	1995
MIN	308	291	257	234	256	261	364	207	86.0	137	249	369
(WY)	1993	1994	1994	1994	1996	1996	1994	1996	1994	1994	1992	1992

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

WATER YEARS 1992 - 1996

ANNUAL TOTAL	145714	
ANNUAL MEAN	399	345
HIGHEST ANNUAL MEAN		402 1995
LOWEST ANNUAL MEAN		277 1994
HIGHEST DAILY MEAN	865 Jul 16	865 Jul 16 1995
LOWEST DAILY MEAN	-49 Jun 22	-64 Jun 25 1992
ANNUAL SEVEN-DAY MINIMUM	130 Jun 19	43 Jun 2 1994
ANNUAL RUNOFF (AC-FT)	289000	249800
10 PERCENT EXCEEDS	533	496
50 PERCENT EXCEEDS	404	329
90 PERCENT EXCEEDS	255	201

e Estimated

02290766 LEVEE 31 NORTH EXTENSION AT 4 MILE NEAR WEST MIAMI, FL

LOCATION.--Lat 25°42'06", long 80°29'46", in NE1/4NE1/4NE1/4 sec.35, T.54 S., R. 38 E., Dade County, Hydrologic Unit 03090202, 0.5 mi west of the junction of U.S. Highway 41 and Krome Avenue and 4.1 mi south of U.S. Highway 41 on west side of Levee 31 North Levee, near West Miami, FL. (Corrected).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1994 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929 (FCE bench mark).

REMARKS.--Records poor. Flow is the sum of regulation from upstream control structure S-335 and S-336 and from levee seepage and rainfall. Positive flow is to the south and is rarely reversed.

COOPERATION.--Water and Sewer Authority.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 1 complete water year of discharge (1995).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 7.64 ft June 23, 1995; minimum, 4.78 ft Apr. 19, 1996.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.36 ft Oct. 18, 24; minimum, 4.78 ft Apr. 19.

STATION NUMBER STATION NUMBER 02290766
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.21	6.72	6.05	5.86	5.69	5.61	5.40	5.50	5.86	6.28	5.78	6.26
2	6.18	6.67	6.04	5.82	5.52	5.62	5.26	5.62	5.82	6.31	5.77	6.26
3	6.16	6.65	6.02	5.87	5.55	5.63	5.16	5.41	5.84	6.28	5.82	6.28
4	6.17	6.70	6.02	5.92	5.55	5.59	5.04	5.34	5.85	6.29	5.91	6.27
5	6.16	6.66	6.02	5.89	5.52	5.58	5.13	5.25	5.80	6.29	5.90	6.25
6	6.24	6.59	6.01	5.87	5.51	5.54	5.38	5.22	5.76	6.23	5.90	6.24
7	6.28	6.49	5.99	5.90	5.49	5.51	5.38	5.28	5.73	6.19	5.88	6.24
8	6.33	6.43	5.94	5.89	5.48	5.50	5.47	5.23	5.71	6.15	5.87	6.24
9	6.35	6.36	5.93	5.86	5.45	5.46	5.72	5.15	5.70	6.12	5.88	6.29
10	6.39	6.31	5.93	5.83	5.44	5.48	5.71	5.07	5.99	6.09	5.87	6.32
11	6.34	6.26	5.91	5.81	5.43	5.69	5.64	5.01	5.97	6.05	5.86	e6.38
12	6.30	6.24	5.90	5.79	5.41	5.71	5.58	4.95	6.00	6.07	5.85	e6.43
13	6.30	6.21	5.94	5.77	5.44	5.69	5.54	4.89	6.01	6.13	5.85	6.42
14	6.44	6.26	5.95	5.74	5.47	5.66	5.49	4.93	5.99	6.11	5.88	6.40
15	6.78	6.25	5.92	5.72	5.46	5.63	5.44	5.05	5.94	6.08	5.85	6.38
16	6.96	6.24	5.90	5.70	5.55	5.61	5.38	5.03	5.90	6.18	5.85	6.37
17	7.13	6.22	5.89	5.68	5.66	5.57	5.32	4.95	5.88	6.15	5.86	6.42
18	7.32	6.21	5.88	5.66	5.65	5.55	5.26	4.90	5.94	6.11	5.86	6.40
19	7.23	6.20	5.86	5.65	5.64	5.53	5.17	4.87	6.01	6.09	5.96	6.39
20	7.16	6.18	5.87	5.64	5.63	5.50	5.42	4.90	6.05	6.07	6.01	6.47
21	7.10	6.17	5.86	5.62	5.68	5.46	5.45	5.25	6.06	6.04	6.03	6.52
22	7.07	6.15	5.84	5.61	5.72	5.43	5.40	5.74	6.06	6.02	6.03	6.56
23	7.23	6.23	5.84	5.59	5.73	5.40	5.34	5.66	6.03	6.01	6.03	6.52
24	7.32	6.22	5.84	5.56	5.73	5.37	5.32	5.75	6.03	6.01	6.03	6.48
25	7.21	6.14	5.88	5.60	5.72	5.34	5.36	5.80	6.03	5.99	6.10	6.43
26	7.12	6.11	5.83	5.60	5.72	5.53	5.39	5.87	6.02	5.98	6.27	6.40
27	7.04	6.08	5.79	5.58	5.68	5.36	5.39	5.98	6.03	5.97	6.27	6.37
28	6.98	6.06	5.78	5.57	5.65	5.26	5.40	5.90	e6.12	5.96	6.28	6.34
29	6.90	6.06	5.78	5.55	5.64	5.46	5.35	5.83	6.19	5.87	6.27	6.32
30	6.83	6.06	5.77	5.56	---	5.49	5.32	5.86	6.24	5.82	6.26	6.31
31	6.77	---	5.79	5.72	---	5.50	---	5.87	---	5.80	6.26	---
TOTAL	208.00	189.13	182.97	177.43	161.81	171.26	161.61	166.06	178.56	188.74	185.24	190.96
MEAN	6.71	6.30	5.90	5.72	5.58	5.52	5.39	5.36	5.95	6.09	5.98	6.37
MAX	7.32	6.72	6.05	5.92	5.73	5.71	5.72	5.98	6.24	6.31	6.28	6.56
MIN	6.16	6.06	5.77	5.55	5.41	5.26	5.04	4.87	5.70	5.80	5.77	6.24

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02290766 LEVEE 31 NORTH EXTENSION AT 4 MILE NEAR WEST MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	452	417	392	281	310	134	440	435	256	145	329	369
2	450	424	386	303	295	169	432	294	251	---	283	---
3	426	432	398	318	313	162	403	209	241	---	298	289
4	434	422	396	309	268	221	378	161	206	---	318	311
5	448	413	390	324	254	184	454	149	226	---	289	295
6	425	436	387	327	272	192	497	124	201	247	309	---
7	424	467	394	312	288	152	471	68	121	296	305	---
8	e429	471	403	285	306	184	490	64	57	246	313	---
9	e386	463	407	309	308	171	287	84	134	263	313	288
10	e407	461	371	319	312	166	162	97	147	291	273	332
11	443	460	370	338	312	162	197	85	248	e313	281	---
12	455	466	372	292	298	208	156	108	214	e302	306	---
13	442	465	382	299	263	237	150	70	206	287	279	286
14	428	446	375	329	256	199	139	165	192	236	267	325
15	345	424	361	334	260	187	131	214	184	276	307	303
16	259	416	366	347	205	174	231	234	185	225	310	258
17	219	401	354	349	175	171	210	188	246	313	302	262
18	195	400	340	365	213	154	163	179	153	322	308	284
19	258	399	320	341	188	207	363	161	146	274	261	256
20	339	397	322	351	174	183	529	177	70	264	275	198
21	359	393	306	371	193	202	482	145	231	283	281	197
22	322	395	298	369	174	227	502	146	288	281	300	266
23	219	345	295	355	173	228	511	148	283	261	265	265
24	244	384	290	363	175	201	517	62	151	265	291	263
25	304	371	270	344	166	190	515	111	121	288	293	289
26	368	376	290	331	154	266	522	146	272	302	251	294
27	375	391	307	324	162	394	516	117	216	301	283	314
28	387	401	302	323	143	499	497	221	e217	316	308	284
29	399	404	317	336	191	535	502	236	224	284	327	263
30	394	390	325	337	---	478	480	163	245	286	312	249
31	409	---	308	288	---	465	---	201	---	297	363	---
TOTAL	11444	12530	10794	10173	6801	7302	11327	4962	5932	---	9200	---
MEAN	369	418	348	328	235	236	378	160	198	---	297	---
MAX	455	471	407	371	313	535	529	435	288	---	363	---
MIN	195	345	270	281	143	134	131	62	57	---	251	---
AC-FT	22700	24850	21410	20180	13490	14480	22470	9840	11770	---	18250	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1996, BY WATER YEAR (WY)

	1994	1995	1996	1995	1996	1996	1996	1996	1996	1996	1996	1996
MEAN	406	399	398	445	336	287	465	186	225	307	378	445
MAX	444	418	448	561	440	338	552	212	251	483	462	451
(WY)	1995	1996	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995
MIN	369	381	348	328	235	236	378	160	198	130	297	438
(WY)	1996	1995	1996	1996	1996	1996	1996	1996	1996	1994	1996	1994

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

WATER YEARS 1994 - 1996

ANNUAL TOTAL	148482	
ANNUAL MEAN	407	419
HIGHEST ANNUAL MEAN		419 1995
LOWEST ANNUAL MEAN		419 1995
HIGHEST DAILY MEAN	979	979 Jul 16 1995
LOWEST DAILY MEAN	-66	-66 Jun 22 1995
ANNUAL SEVEN-DAY MINIMUM	130	21 Jun 18 1994
ANNUAL RUNOFF (AC-FT)	294500	303200
10 PERCENT EXCEEDS	579	502
50 PERCENT EXCEEDS	402	349
90 PERCENT EXCEEDS	244	152

e Estimated

02290767 LEVEE 31 NORTH EXTENSION AT 5 MILE NEAR WEST MIAMI, FL

LOCATION.--Lat 25°41'09", long 80°29'50", T.54 S., R.38 E., Dade County, Hydrologic Unit 03090202, (South Miami NW quadrangle), 1.05 mi west of the junction of U.S. Highway 41 and Krome Avenue, and 5.25 mi south of U.S. Highway 41 on west side of Levee 31 North Levee, near West Miami, FL. (Corrected).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 16, 1994 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929 (FCE bench mark).

REMARKS.--Records poor. Flow is the sum of regulation from upstream control structure S-335 and S-336 and from levee seepage and rainfall. Positive flow is to the south and is rarely reversed.

COOPERATION.--Water and Sewer Authority.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 1 water year of discharge (1995).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 7.94 ft June 22, 1995; minimum, 4.74 ft Apr. 19, 1996.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.31 ft Oct. 18; minimum, 4.74 ft Apr. 19.

STATION NUMBER 02290767
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.15	6.71	6.02	e5.83	5.66	5.61	5.38	5.49	5.83	---	5.74	6.25
2	6.13	6.66	6.01	e5.79	5.49	5.61	5.24	5.61	5.80	---	5.72	6.24
3	6.10	6.63	5.99	e5.84	5.53	5.63	5.14	5.39	5.81	6.26	---	6.27
4	6.10	6.68	5.98	5.89	e5.54	5.59	5.02	5.32	5.82	6.25	---	6.26
5	6.10	6.64	5.98	5.86	e5.52	5.57	5.11	5.23	5.78	6.25	---	6.24
6	6.18	6.57	5.97	5.85	5.51	5.53	5.35	5.19	5.74	6.20	5.84	6.23
7	6.22	6.48	5.97	5.87	e5.49	5.50	5.36	5.25	5.71	6.16	5.82	6.23
8	6.27	6.45	5.93	5.87	e5.48	5.50	5.45	5.20	5.68	6.12	5.81	6.23
9	6.29	6.42	5.91	5.83	5.45	5.46	5.70	5.12	5.67	6.09	5.82	6.28
10	6.34	6.35	5.92	5.81	e5.44	5.47	5.69	5.05	5.98	6.06	5.82	6.30
11	6.28	6.24	5.90	5.79	5.42	5.67	5.62	4.98	5.95	6.01	5.81	e6.35
12	6.25	6.22	5.88	5.76	5.41	5.70	5.56	4.92	5.98	6.04	5.79	e6.42
13	6.24	e6.19	5.93	5.74	5.43	5.67	5.52	4.86	6.01	e6.10	5.79	6.41
14	6.38	6.23	5.94	5.71	5.47	5.64	5.47	4.90	5.97	6.07	5.82	6.38
15	6.73	6.23	5.91	5.70	5.45	5.62	5.41	5.02	5.91	6.04	5.81	6.36
16	6.91	6.22	5.88	5.68	5.54	5.59	5.37	5.00	5.88	6.14	5.81	6.36
17	7.07	6.20	5.87	5.66	5.65	5.56	5.31	4.92	5.85	6.12	5.81	6.40
18	7.26	6.19	5.86	5.64	5.64	5.53	5.25	4.88	5.91	6.08	5.82	---
19	7.16	6.18	5.85	5.62	5.64	5.51	5.15	4.84	6.01	6.06	5.93	---
20	7.09	6.16	5.85	5.61	5.62	5.48	5.40	4.87	6.15	6.03	6.03	6.44
21	7.03	6.15	5.84	5.60	5.68	5.45	5.43	5.22	6.19	6.00	6.13	6.50
22	7.01	6.13	5.83	5.58	5.72	5.41	5.38	5.71	6.12	5.98	e6.15	6.54
23	7.17	6.22	5.83	5.56	5.72	5.38	5.32	5.63	6.08	5.96	e6.26	6.50
24	7.26	6.20	5.83	5.54	5.72	5.35	5.30	5.74	6.08	5.95	e6.25	6.45
25	7.14	6.13	5.87	5.59	5.71	5.32	5.34	5.77	6.06	5.92	e6.23	6.41
26	7.05	6.09	e5.82	5.58	5.72	5.52	5.37	5.84	6.05	5.89	e6.24	6.38
27	6.97	6.06	e5.76	5.56	5.67	5.33	5.37	5.95	6.08	5.87	e6.24	6.35
28	6.92	6.04	e5.75	5.55	5.65	5.24	5.38	5.87	6.11	5.83	6.27	6.32
29	6.84	6.04	e5.75	5.53	5.63	5.44	5.33	5.81	6.12	5.79	6.26	6.29
30	6.80	6.04	e5.74	5.54	---	5.47	5.29	5.83	---	5.78	6.25	6.28
31	6.76	---	e5.76	5.70	---	5.48	---	5.85	---	5.76	6.25	---
TOTAL	206.20	188.75	182.33	176.68	161.60	170.83	161.01	165.26	---	---	---	---
MEAN	6.65	6.29	5.88	5.70	5.57	5.51	5.37	5.33	---	---	---	---
MAX	7.26	6.71	6.02	5.89	5.72	5.70	5.70	5.95	---	---	---	---
MIN	6.10	6.04	5.74	5.53	5.41	5.24	5.02	4.84	---	---	---	---

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02290767 LEVEE 31 NORTH EXTENSION AT 5 MILE NEAR WEST MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	442	437	399	253	264	96	387	404	240	---	223	312
2	431	444	395	280	257	125	378	236	220	---	187	248
3	416	446	406	284	243	116	341	154	200	197	---	232
4	419	424	404	280	---	143	329	107	177	174	---	304
5	442	421	383	294	---	129	412	124	167	232	---	283
6	427	e462	385	290	253	160	459	68	141	202	206	253
7	413	e481	385	291	---	117	437	9.1	64	264	204	227
8	426	e491	394	300	---	134	454	-6.4	38	227	238	194
9	408	515	405	299	---	133	249	-18	105	245	238	195
10	427	482	389	307	---	123	118	-34	117	283	183	230
11	435	e494	385	298	236	126	120	14	245	174	226	---
12	448	e500	378	279	233	158	112	102	199	143	245	---
13	448	e493	363	281	212	188	102	18	101	---	213	250
14	428	468	341	295	193	178	66	143	155	143	178	258
15	341	450	333	281	179	142	84	123	120	164	199	208
16	263	443	329	277	137	130	185	161	150	98	211	176
17	197	436	313	279	116	125	175	103	208	187	201	206
18	173	432	309	295	151	116	121	119	176	217	201	---
19	256	420	310	306	129	143	307	80	143	180	165	---
20	328	416	292	288	138	114	482	179	103	207	178	194
21	324	414	306	309	138	130	436	95	232	248	169	175
22	325	410	307	288	127	167	458	61	280	178	185	222
23	204	347	318	286	129	188	477	115	254	208	---	258
24	223	383	298	295	134	156	482	23	145	183	211	205
25	279	385	270	273	102	158	470	80	121	200	229	201
26	318	395	295	248	92	193	485	98	239	203	216	209
27	352	396	300	273	117	356	469	64	204	192	227	220
28	386	404	300	244	108	458	443	217	205	198	208	202
29	410	411	302	258	147	494	469	242	234	191	258	187
30	421	397	293	288	---	444	453	152	---	193	263	160
31	421	---	271	208	---	410	---	170	---	192	281	---
TOTAL	11231	13097	10558	8727	---	5850	9960	3402.7	---	---	---	---
MEAN	362	437	341	282	---	189	332	110	---	---	---	---
MAX	448	515	406	309	---	494	485	404	---	---	---	---
MIN	173	347	270	208	---	96	66	-34	---	---	---	---
AC-FT	22280	25980	20940	17310	---	11600	19760	6750	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1996, BY WATER YEAR (WY)

MEAN	402	407	400	434	413	241	428	137	233	285	443	463
MAX	441	437	459	587	413	293	525	165	233	494	479	470
(WY)	1995	1996	1995	1995	1995	1995	1995	1995	1995	1995	1995	1994
MIN	362	378	341	282	413	189	332	110	233	76.3	408	457
(WY)	1996	1995	1996	1996	1995	1996	1996	1996	1995	1994	1994	1995

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

WATER YEARS 1994 - 1996

ANNUAL TOTAL	145454.8		
ANNUAL MEAN	399	410	
HIGHEST ANNUAL MEAN		410	1995
LOWEST ANNUAL MEAN		410	1995
HIGHEST DAILY MEAN	1060	Jul 16	1060 Jul 16 1995
LOWEST DAILY MEAN	-112	Jun 22	-112 Jun 22 1995
ANNUAL SEVEN-DAY MINIMUM	67	May 24	-22 Jul 6 1994
ANNUAL RUNOFF (AC-FT)	288500		297300
10 PERCENT EXCEEDS	601		509
50 PERCENT EXCEEDS	415		319
90 PERCENT EXCEEDS	218		108

e Estimated

02290768 LEVEE 31 NORTH EXTENSION AT 7 MILE NEAR WEST MIAMI, FL

LOCATION.--Lat 25°39'47", long 80°29'54", NE1/4NE1/4SE1/4 sec.11, T.55 S., R.38 E., Dade County, Hydrologic Unit 03090202, (South Miami NW quadrangle), 0.5 mi west of junction of U.S. Highway 41 and Krome Avenue and 6.9 mi south of U.S. Highway 41 on the west side of Levee 31 North Levee, near West Miami, FL. (Corrected).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1994 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929 (FCE bench mark).

REMARKS.--Records poor. Flow is the sum of regulation from upstream control structure S-335 and S-336 and from levee seepage and rainfall. Positive flow is to the south and is rarely reversed.

COOPERATION.--Miami-Dade Water and Sewer Authority.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 1 complete water year of discharge (1995).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 7.60 ft June 23, 1995; minimum, 4.68 ft Apr. 19, 1996.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.26 ft Oct. 18; minimum, 4.68 ft Apr. 19.

STATION NUMBER 02290768
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.10	e6.61	5.93	5.75	5.59	5.51	5.29	5.40	5.77	6.18	5.72	6.19
2	6.08	e6.56	5.92	5.70	5.40	5.52	5.16	5.52	5.74	6.21	5.70	6.19
3	6.05	6.54	5.90	5.77	5.45	5.54	5.05	5.31	5.75	6.18	5.73	6.22
4	6.04	6.60	5.89	5.82	5.46	5.50	4.93	5.24	5.76	6.19	5.82	6.21
5	6.04	6.55	5.90	5.79	5.44	5.48	5.02	5.15	5.71	6.19	5.80	6.19
6	6.13	6.47	5.88	5.77	5.41	5.44	5.26	5.12	5.67	6.14	5.81	6.18
7	6.17	6.37	5.88	5.80	5.39	5.40	5.27	5.19	5.64	6.10	5.79	6.18
8	6.22	6.31	5.84	5.79	5.37	5.41	5.35	5.13	5.61	6.06	5.79	6.18
9	6.24	6.25	5.82	5.76	5.36	5.39	5.62	5.05	5.60	6.03	5.79	6.23
10	6.28	6.19	5.84	5.73	5.34	5.39	5.61	4.98	5.94	6.00	5.79	6.25
11	6.23	6.14	5.81	5.71	5.33	5.60	5.54	4.91	5.89	5.95	5.77	e6.30
12	6.19	6.13	5.79	5.69	5.32	5.62	5.48	4.85	5.94	5.98	5.76	e6.37
13	6.19	6.09	5.84	5.67	5.34	5.59	5.43	4.79	5.98	e6.05	5.77	6.35
14	6.32	6.14	5.85	5.64	5.38	5.56	5.39	4.84	5.92	6.03	5.79	6.33
15	6.68	6.14	5.82	5.62	5.36	5.53	5.33	4.96	5.85	5.99	5.78	6.31
16	6.86	6.13	5.80	5.60	5.45	5.50	5.29	4.94	5.81	6.09	5.78	6.30
17	7.02	6.11	5.79	5.58	5.56	5.47	5.23	4.86	5.78	6.07	5.78	6.34
18	7.21	6.10	5.77	5.56	5.55	5.43	5.17	4.81	5.85	6.03	5.80	6.33
19	7.12	6.09	5.75	5.55	5.55	5.43	5.07	4.77	5.97	6.01	5.91	6.33
20	7.05	6.07	5.77	5.54	5.52	5.40	5.31	4.80	6.14	5.98	6.00	6.40
21	6.99	6.06	5.76	5.52	5.59	5.37	5.34	5.14	6.17	5.96	6.10	6.45
22	6.96	6.04	5.74	5.51	5.63	5.33	5.29	5.64	6.10	5.93	6.12	6.48
23	7.13	6.13	5.75	5.49	5.63	5.31	5.23	5.56	6.05	5.92	6.23	6.45
24	7.21	6.11	5.75	5.46	5.63	5.27	5.21	5.67	6.05	5.90	6.22	6.41
25	7.10	6.04	5.79	5.52	5.62	5.24	5.25	5.71	6.03	5.87	6.20	6.36
26	7.01	6.00	5.73	5.50	5.63	5.44	5.28	5.77	6.02	5.86	6.21	6.34
27	6.93	5.97	5.68	5.48	5.58	5.24	5.28	5.89	6.05	5.83	6.21	6.30
28	6.87	5.95	5.67	5.48	5.55	5.15	5.29	5.80	6.08	5.80	6.22	6.27
29	6.80	5.95	5.68	5.45	5.54	5.35	5.23	5.74	6.10	5.76	6.21	6.25
30	6.73	5.96	5.67	5.46	---	5.38	5.19	5.77	6.15	5.75	6.19	6.24
31	e6.67	---	5.68	5.63	---	5.39	---	5.78	---	5.73	6.19	---
TOTAL	204.62	185.80	179.69	174.34	158.97	168.18	158.39	163.09	177.12	185.77	183.98	188.93
MEAN	6.60	6.19	5.80	5.62	5.48	5.43	5.28	5.26	5.90	5.99	5.93	6.30
MAX	7.21	6.61	5.93	5.82	5.63	5.62	5.62	5.89	6.17	6.21	6.23	6.48
MIN	6.04	5.95	5.67	5.45	5.32	5.15	4.93	4.77	5.60	5.73	5.70	6.18

e Estimated

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02290768 LEVEE 31 NORTH EXTENSION AT 7 MILE NEAR WEST MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	491	e545	440	303	271	143	409	427	247	e292	284	319
2	498	e552	440	335	293	159	384	314	235	e315	267	300
3	483	550	439	354	307	159	372	220	225	e349	244	287
4	487	543	438	339	274	177	349	195	210	282	308	290
5	494	544	426	342	273	162	410	204	218	325	269	290
6	481	572	424	345	272	156	439	189	217	312	302	298
7	483	586	422	340	275	150	431	131	190	346	291	302
8	478	591	433	333	279	170	453	126	157	291	286	294
9	477	580	435	337	272	162	277	111	177	300	262	293
10	496	582	424	338	269	161	158	145	232	276	238	285
11	510	579	421	342	271	160	148	136	293	290	257	---
12	514	580	416	325	264	187	149	181	282	258	286	---
13	510	568	399	322	245	199	157	156	268	e266	270	277
14	486	539	391	331	231	215	185	211	281	282	254	309
15	433	514	374	326	233	226	157	222	277	269	267	290
16	364	502	370	326	183	208	205	225	271	252	258	262
17	320	499	366	328	162	173	196	226	319	275	270	282
18	316	490	363	334	176	147	177	251	256	312	253	271
19	397	478	362	338	158	175	331	240	264	295	265	---
20	461	478	357	323	158	162	457	244	211	277	247	231
21	451	473	352	322	178	174	437	180	300	272	266	243
22	433	461	348	324	185	180	453	237	320	264	278	257
23	334	398	339	318	185	196	468	225	292	268	290	252
24	351	437	328	325	186	171	464	173	270	253	272	245
25	436	445	310	300	211	164	469	169	275	281	277	270
26	470	444	337	303	175	208	473	200	277	292	264	265
27	506	449	343	307	201	363	474	188	301	263	273	308
28	518	452	339	295	171	457	440	261	290	249	269	288
29	512	453	340	312	197	482	457	290	286	259	306	261
30	521	443	341	304	---	427	452	235	291	263	298	254
31	e529	---	331	225	---	413	---	227	---	280	307	---
TOTAL	14240	15327	11848	9996	6555	6686	10431	6539	7732	8808	8478	---
MEAN	459	511	382	322	226	216	348	211	258	284	273	---
MAX	529	591	440	354	307	482	474	427	320	349	308	---
MIN	316	398	310	225	158	143	148	111	157	249	238	---
AC-FT	28250	30400	23500	19830	13000	13260	20690	12970	15340	17470	16820	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1996, BY WATER YEAR (WY)

MEAN	470	474	448	478	322	259	421	226	275	314	401	495
MAX	482	511	515	633	421	303	495	241	292	534	510	507
(WY)	1995	1996	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995
MIN	459	438	382	322	226	216	348	211	258	125	273	484
(WY)	1996	1995	1996	1996	1996	1996	1996	1996	1996	1994	1996	1994

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

WATER YEARS 1994 - 1996

ANNUAL TOTAL	160871.3		
ANNUAL MEAN	441		448
HIGHEST ANNUAL MEAN			448
LOWEST ANNUAL MEAN			448
HIGHEST DAILY MEAN	1040	Jul 16	1040
LOWEST DAILY MEAN	9.3	Jun 22	1.2
ANNUAL SEVEN-DAY MINIMUM	181	May 29	38
ANNUAL RUNOFF (AC-FT)	319100		324500
10 PERCENT EXCEEDS	588		544
50 PERCENT EXCEEDS	471		347
90 PERCENT EXCEEDS	270		177

e Estimated

02290769 CANAL 111 AT S-18-C, NEAR FLORIDA CITY, FL

LOCATION.--Lat 25°19'49", long 80°31'31", in NW1/4 sec.3, T.59 S., R.38 E., Dade County, Hydrologic Unit 03090202, at control structure 18-C, and 8.5 mi south of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1968 to current year.

REVISED RECORD.--WDR FL-78-2A: 1974-77.

GAGE.--Satellite data collection platform water-stage recorder and acoustic velocity meter below S-18-C. Prior to Dec. 1, 1992 digital water-stage recorders, electromagnetic velocity meter recorder, and dual graphic water-stage and gate opening recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by S-18-C. Prior to Nov. 30, 1992 discharge computed from relation between head, and gate openings at S-18-C. After Dec. 1, 1992 discharge computed based on continuous record of stage and velocity at newly established AVM site downstream of S-18-C. Prior to the 1993 water year the downstream gage height is available in files of the U.S. Geological Survey under station number 02290770. Starting with the 1993 water year, the downstream gage height is available in files of the U.S. Geological Survey under station number 02290769. Prior to 1994 water year discharge published under the name Canal 111 Above S-18-C under the same station number (02290769).

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 26 complete water years of discharge (1969-90, 1993-96).

COOPERATION.--Gate-opening recorder record and record of slot operations provided by South Florida Water Management District.

EXTREME STAGES (UPSTREAM) FOR PERIOD OF RECORD (1969-92).--Maximum gage height, 3.62 ft July 24, 1985; minimum, -1.53 ft estimated May 14, 1971.

EXTREME STAGES (DOWNSTREAM) FOR PERIOD OF RECORD (1993-96).--Maximum gage height, 3.06 ft Nov. 16, 1994; minimum, 0.84 ft Apr. 27, 1996.

EXTREME STAGES (DOWNSTREAM) FOR CURRENT YEAR.--Maximum gage height, 3.04 ft Oct. 17; minimum, 0.84 ft Apr. 27.

SEE THE FOLLOWING PAGE FOR THE TABLE OF DISCHARGE

EVERGLADES AND SOUTHEASTERN COASTAL AREA

02290769 CANAL 111 AT S-18-C, NEAR FLORIDA CITY, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	746	555	142	25	e20	11	-2.9	21	545	641	-95	222
2	612	413	139	24	e10	6.9	-6.0	13	491	668	.32	209
3	554	390	146	148	e10	-16	-22	4.2	338	520	9.9	256
4	437	371	145	243	e10	-19	15	10	335	585	12	188
5	401	376	126	227	e10	16	16	-18	313	508	-15	257
6	464	360	128	227	1.0	18	10	-4.3	212	435	22	284
7	476	381	147	225	4.0	17	9.2	12	217	407	29	245
8	486	323	131	200	-9.0	-17	-3.3	11	69	389	-13	207
9	569	263	168	115	8.2	-23	-8.9	13	21	309	5.9	246
10	673	262	127	76	45	-11	-18	8.0	566	203	27	413
11	756	300	74	102	46	.76	-39	28	719	279	35	453
12	648	259	-7.3	101	28	-3.6	31	-30	756	237	29	e405
13	623	254	-14	81	-9.3	-22	17	-16	691	236	-11	379
14	741	242	-2.9	78	-2.1	12	29	-5.0	667	253	-19	353
15	1100	227	-3.3	83	22	27	-.14	-31	635	245	-2.4	290
16	1010	217	6.3	71	66	11	-56	-60	547	179	-34	244
17	1210	213	19	104	-3.1	12	-52	-24	534	219	-18	240
18	1600	211	12	109	.08	11	-58	-6.0	649	211	-63	283
19	1500	211	12	69	22	-7.0	-5.5	33	868	218	81	222
20	1410	204	5.0	-4.5	23	22	9.2	.74	1200	181	377	197
21	1260	210	-9.7	34	9.3	22	20	-13	1370	190	535	314
22	1210	194	-15	16	56	33	26	20	1360	-43	485	592
23	1300	192	-18	10	73	13	38	13	1100	-8.5	605	545
24	1290	116	-7.9	15	54	57	2.2	74	1090	22	812	437
25	1240	95	13	-13	48	31	9.0	352	1070	9.3	608	364
26	1240	91	28	13	67	8.2	3.2	382	927	-16	458	309
27	1200	101	35	e10	51	16	-42	480	908	-42	409	274
28	1010	8.4	49	e10	49	4.1	12	595	952	-45	391	243
29	834	34	14	e10	19	11	-2.2	738	821	-8.1	334	253
30	705	144	27	e10	---	18	-10	671	690	-8.3	194	238
31	659	---	17	e10	---	-1.1	---	587	---	-51	228	---
TOTAL	27964	7217.4	1632.2	2428.5	728.08	258.26	-79.14	3858.64	20661	6922.4	5416.72	9162
MEAN	902	241	52.7	78.3	25.1	8.33	-2.64	124	689	223	175	305
MAX	1600	555	168	243	73	57	38	738	1370	668	812	592
MIN	401	8.4	-18	-13	-9.3	-23	-58	-60	21	-51	-95	188
AC-FT	55470	14320	3240	4820	1440	512	-157	7650	40980	13730	10740	18170

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1996, BY WATER YEAR (WY)

MEAN	301	171	62.5	71.6	75.7	64.6	46.2	62.4	288	190	302	381
MAX	958	771	517	486	884	965	529	262	1097	764	1477	1001
(WY)	1988	1988	1995	1995	1983	1983	1983	1995	1972	1986	1988	1983
MIN	.000	.000	.000	.000	.000	.000	-2.64	.000	.000	.000	.000	.000
(WY)	1975	1975	1971	1971	1971	1971	1996	1970	1974	1974	1974	1974

SUMMARY STATISTICS

FOR 1996 WATER YEAR

WATER YEARS 1969 - 1996

ANNUAL TOTAL	86170.06	
ANNUAL MEAN	235	159
HIGHEST ANNUAL MEAN		485
LOWEST ANNUAL MEAN		4.42
HIGHEST DAILY MEAN	1600	2940
LOWEST DAILY MEAN	-95	-194
ANNUAL SEVEN-DAY MINIMUM	-38	-92
ANNUAL RUNOFF (AC-FT)	170900	115200
10 PERCENT EXCEEDS	678	640
50 PERCENT EXCEEDS	75	.00
90 PERCENT EXCEEDS	-11	.00

e Estimated

251716080342100 EVERGLADES 5A IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°17'16", long 80°34'21", in SW1/4 sec.18, T.59 S., R.38 E., Dade County, Hydrologic Unit 03090202, in C-111 drainage basin, 2.5 mi south of L-31 canal and 7 mi west of US 1, 12.5 mi southwest of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Data prior to 1993 water year are unpublished and in files of the U.S. Geological Survey. Unit values prior to 1993 water year were not available for review to determine instantaneous maximum and minimum gage height.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 2.70 ft Nov. 17, 1994; minimum, -0.77 ft May 21, 1990.

EXTREME STAGES FOR CURRENT YEAR.--Maximum mean daily gage height, 2.38 ft Oct. 6; minimum, 0.45 ft Apr. 27.

STATION NUMBER 251716080342100
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.03	2.04	1.60	1.44	1.35	1.13	1.01	1.05	1.16	1.71	1.09	1.49
2	2.02	2.01	1.59	1.44	1.34	1.16	.97	1.04	1.14	1.68	1.08	1.50
3	2.03	1.98	1.57	1.43	1.36	1.22	.94	1.03	1.11	1.77	1.09	1.54
4	2.07	1.95	1.56	1.49	1.37	1.21	.91	1.01	1.11	1.76	1.07	1.52
5	2.23	1.93	1.55	1.49	1.36	1.19	.89	.96	1.12	1.72	1.05	1.50
6	2.38	1.90	1.54	1.48	1.34	1.18	.85	.92	1.09	1.69	1.09	1.47
7	2.31	1.88	1.53	1.47	1.34	1.17	.83	.88	1.08	1.65	1.08	1.43
8	2.23	1.87	1.52	1.47	1.33	1.16	.89	.86	1.07	1.61	1.07	1.41
9	2.19	1.85	1.51	1.46	1.32	1.14	1.04	1.02	1.05	1.58	1.08	1.61
10	2.17	1.83	1.51	1.44	1.31	1.17	1.11	1.11	1.26	1.53	1.06	1.77
11	2.12	1.81	1.51	1.44	1.31	1.27	1.08	1.12	1.33	1.49	1.10	1.71
12	2.06	1.80	1.49	1.43	1.30	1.26	1.05	1.12	1.45	1.46	1.11	1.65
13	2.07	1.79	1.49	1.43	1.29	1.24	1.02	1.10	1.49	1.42	1.09	1.62
14	2.14	1.78	1.49	1.42	1.28	1.22	.99	1.08	1.49	1.39	1.07	1.57
15	2.24	1.76	1.48	1.41	1.27	1.21	.95	1.08	1.45	1.36	1.05	1.54
16	2.24	1.74	1.47	1.41	1.27	1.19	.91	1.05	1.40	1.39	1.03	1.50
17	2.28	1.72	1.46	1.41	1.26	1.18	.86	1.02	1.41	1.39	1.03	1.47
18	2.37	1.71	1.45	1.40	1.25	1.16	.82	.98	1.46	1.37	1.04	1.47
19	2.34	1.70	1.44	1.40	1.24	1.19	.78	.96	1.53	1.34	1.17	1.49
20	2.30	1.69	1.45	1.40	1.23	1.19	.74	.95	1.57	1.31	1.35	1.47
21	2.28	1.68	1.44	1.40	1.23	1.17	.70	1.13	1.65	1.29	1.37	1.45
22	2.31	1.67	1.43	1.39	1.22	1.15	.66	1.20	1.76	1.27	1.41	1.55
23	2.34	1.65	1.42	1.39	1.21	1.12	.62	1.16	1.77	1.24	1.51	1.53
24	2.30	1.64	1.42	1.38	1.20	1.10	.57	1.14	1.86	1.22	1.45	1.50
25	2.26	1.63	1.41	1.37	1.19	1.08	.53	1.12	1.82	1.21	1.40	1.46
26	2.22	1.62	1.40	1.38	1.18	1.13	.49	1.11	1.78	1.19	1.37	1.43
27	2.19	1.60	1.39	1.37	1.17	1.11	.45	1.10	1.79	1.17	1.38	1.40
28	2.16	1.59	1.39	1.37	1.16	1.10	.47	1.13	1.79	1.16	1.40	1.38
29	2.13	1.62	1.42	1.37	1.15	1.07	.94	1.20	1.77	1.14	1.38	1.36
30	2.09	1.62	1.42	1.36	---	1.05	.97	1.18	1.75	1.13	1.40	1.42
31	2.06	---	1.41	1.35	---	1.03	---	1.16	---	1.11	1.49	---
TOTAL	68.16	53.06	45.76	43.89	36.83	35.95	25.04	32.97	43.51	43.75	37.36	45.21
MEAN	2.20	1.77	1.48	1.42	1.27	1.16	.83	1.06	1.45	1.41	1.21	1.51
MAX	2.38	2.04	1.60	1.49	1.37	1.27	1.11	1.20	1.86	1.77	1.51	1.77
MIN	2.02	1.59	1.39	1.35	1.15	1.03	.45	.86	1.05	1.11	1.03	1.36

251724080341400 EVERGLADES 5B IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°17'24", long 80°34'14", in SW1/4 sec.18, T.59 S., R.38 E., Dade County, Hydrologic Unit 03090202, in C-111 drainage basin, 2.5 mi south of L-31 canal and 7 mi west of US 1, 12.5 mi southwest of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Data prior to 1993 water year are unpublished and in files of the U.S. Geological Survey. Unit values prior to 1993 water year were not available for review.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 2.70 ft Nov. 17, 1994; minimum, indeterminate.

EXTREME STAGES FOR CURRENT YEAR.--Maximum mean daily gage height, 2.41 ft Oct. 18; minimum, indeterminate, well was dry for many days.

STATION NUMBER 251724080341400
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.04	2.09	1.66	1.52	---	---	---	1.11	1.22	1.69	1.18	1.52
2	2.03	2.06	1.65	1.51	---	---	---	1.10	1.20	1.66	1.17	1.54
3	2.03	2.03	1.64	1.53	---	---	---	1.09	1.18	1.75	1.19	1.58
4	2.05	2.00	1.63	1.55	---	---	---	1.07	1.18	1.73	1.17	1.56
5	2.18	1.98	1.62	1.54	---	---	---	1.07	1.19	1.70	1.14	1.54
6	2.36	1.95	1.61	1.54	---	---	---	1.07	1.17	1.67	1.18	1.50
7	2.31	1.94	1.60	1.53	---	---	---	1.07	1.16	1.63	1.20	1.48
8	2.23	1.92	1.59	1.53	---	---	---	1.08	1.15	1.59	1.19	1.46
9	2.20	1.90	1.58	1.52	---	---	---	1.10	1.13	1.56	1.20	1.65
10	2.20	1.88	1.58	1.51	---	---	---	1.18	1.31	1.52	1.19	1.78
11	2.14	1.87	1.57	1.50	---	---	---	1.17	1.36	1.48	1.24	1.72
12	2.09	1.86	1.56	1.50	---	---	---	1.16	1.47	1.46	1.23	1.68
13	2.11	1.84	1.57	1.50	---	---	---	1.14	1.50	1.43	1.21	1.65
14	2.17	1.83	1.56	1.49	---	---	---	1.13	1.50	1.40	1.20	1.60
15	2.26	1.81	1.55	1.48	---	---	---	1.13	1.46	1.37	1.18	1.57
16	2.26	1.79	1.54	1.48	---	---	---	1.10	1.43	1.41	1.16	1.53
17	2.30	1.78	1.53	1.48	---	---	---	1.08	1.44	1.40	1.16	1.51
18	2.41	1.76	1.52	1.48	---	---	---	1.07	1.48	1.37	1.17	1.51
19	2.37	1.76	1.51	1.48	---	---	---	1.07	1.52	1.35	1.27	1.54
20	2.34	1.74	1.52	1.48	---	---	---	1.07	1.55	1.33	1.41	1.51
21	2.31	1.73	1.51	1.47	---	---	---	1.19	1.62	1.31	1.42	1.50
22	2.35	1.72	1.50	1.47	---	---	---	1.24	1.73	1.30	1.46	1.58
23	2.38	1.71	1.50	1.46	---	---	---	1.22	1.73	1.29	1.53	1.56
24	2.34	1.70	1.49	1.45	---	---	---	1.21	1.83	1.28	1.47	1.54
25	2.30	1.69	1.48	---	---	---	---	1.19	1.79	1.27	1.43	1.51
26	2.26	1.67	1.48	---	---	---	1.05	1.18	1.76	1.25	1.41	1.48
27	2.23	1.66	1.47	---	---	---	1.05	1.18	1.77	1.24	1.43	1.47
28	2.20	1.66	1.48	---	---	---	1.05	1.20	1.77	1.24	1.45	1.45
29	2.17	1.70	1.50	---	---	---	1.05	1.25	1.76	1.22	1.43	1.44
30	2.13	1.68	1.50	---	---	---	1.06	1.23	1.74	1.22	1.46	1.49
31	2.11	---	1.50	---	---	---	---	1.21	---	1.20	1.53	---
TOTAL	68.86	54.71	48.00	---	---	---	---	35.36	44.10	44.32	40.06	46.45
MEAN	2.22	1.82	1.55	---	---	---	---	1.14	1.47	1.43	1.29	1.55
MAX	2.41	2.09	1.66	---	---	---	---	1.25	1.83	1.75	1.53	1.78
MIN	2.03	1.66	1.47	---	---	---	---	1.07	1.13	1.20	1.14	1.44

251855080283400 EVERGLADES 2B IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°18'55", long 80°28'34", in NW1/4 sec.7, T.59 S., R.39 E., Dade County, Hydrologic Unit 03090202, in C-111 drainage basin between C-109 and C-110 Canals, 1.6 mi west of US 1 and 1.15 mi north of C-111 Canal, 8.9 mi south of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Data prior to 1993 water year are unpublished and in files of the U.S. Geological Survey. Unit values data prior to 1993 water year was not available to determine instantaneous maximum and minimum gage height.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 3.32 ft Aug. 16, 1988; minimum, indeterminate.

EXTREME STAGES FOR CURRENT YEAR.--Maximum mean daily gage height, 2.93 ft Oct. 23; minimum, indeterminate, well was dry for many days.

STATION NUMBER 251855080283400
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.61	2.58	2.09	1.81	1.74	1.47	1.32	---	1.88	2.67	1.71	2.08
2	2.64	2.57	2.09	1.81	1.73	1.47	1.31	---	1.91	2.68	1.69	2.08
3	2.67	2.56	2.08	1.85	1.75	1.49	1.31	---	1.91	2.67	1.67	2.12
4	2.65	2.55	2.07	1.88	1.75	1.48	1.30	---	1.93	2.63	1.66	2.12
5	2.63	2.54	2.07	1.89	1.72	1.46	1.30	---	1.94	2.59	1.64	2.13
6	2.65	2.53	2.06	1.91	1.71	1.45	---	---	1.94	2.55	1.63	2.11
7	2.67	2.52	2.05	1.93	1.70	1.44	---	---	1.92	2.50	1.61	2.08
8	2.69	2.50	2.04	1.93	1.69	1.45	---	---	1.91	2.46	1.60	2.06
9	2.70	2.48	2.04	1.94	1.68	1.43	---	---	1.87	2.41	1.58	2.19
10	2.72	2.46	2.03	1.94	1.67	1.44	---	---	1.98	2.36	1.57	2.26
11	2.68	2.44	2.02	1.93	1.66	1.50	---	---	2.03	2.31	1.57	2.27
12	2.63	2.43	2.01	1.93	1.65	1.49	---	---	2.12	2.27	1.56	2.28
13	2.60	2.41	2.00	1.92	1.63	1.48	---	---	2.23	2.24	1.54	2.28
14	2.65	2.39	1.98	1.91	1.62	1.47	---	---	2.26	2.20	1.53	2.27
15	2.75	2.37	1.96	1.90	1.61	1.46	---	---	2.26	2.17	1.54	2.25
16	2.80	2.35	1.94	1.90	1.60	1.45	---	---	2.25	2.18	1.52	2.22
17	2.85	2.33	1.93	1.89	1.58	1.44	---	---	2.27	2.14	1.52	2.20
18	2.89	2.32	1.91	1.89	1.57	1.43	---	---	2.36	2.11	1.52	2.19
19	2.85	2.30	1.90	1.88	1.56	1.44	---	---	2.41	2.07	1.68	2.18
20	2.85	2.29	1.89	1.87	1.55	1.43	---	---	2.47	2.04	1.80	2.22
21	2.88	2.28	1.87	1.86	1.54	1.42	---	---	2.51	2.01	1.87	2.24
22	2.91	2.27	1.86	1.85	1.53	1.40	---	---	2.53	1.97	1.93	2.26
23	2.93	2.25	1.85	1.84	1.53	1.39	---	---	2.62	1.94	2.01	2.27
24	2.91	2.24	1.83	1.83	1.52	1.38	---	1.30	2.74	1.91	2.07	2.27
25	2.88	2.21	1.82	1.82	1.51	1.37	---	1.32	2.70	1.88	2.11	2.26
26	2.83	2.19	1.81	1.82	1.50	1.37	---	1.39	2.66	1.85	2.13	2.23
27	2.78	2.16	1.79	1.80	1.49	1.36	---	1.46	2.69	1.82	2.15	2.21
28	2.72	2.14	1.80	1.79	1.48	1.35	---	1.52	2.68	1.80	2.16	2.18
29	2.68	2.12	1.81	1.78	1.47	1.34	---	1.64	2.68	1.77	2.15	2.15
30	2.65	2.10	1.80	1.77	---	1.33	---	1.78	2.70	1.75	2.14	2.14
31	2.61	---	1.80	1.76	---	1.32	---	1.84	---	1.73	2.11	---
TOTAL	84.96	70.88	60.20	57.83	46.74	44.20	---	---	68.36	67.68	54.97	65.80
MEAN	2.74	2.36	1.94	1.87	1.61	1.43	---	---	2.28	2.18	1.77	2.19
MAX	2.93	2.58	2.09	1.94	1.75	1.50	---	---	2.74	2.68	2.16	2.28
MIN	2.60	2.10	1.79	1.76	1.47	1.32	---	---	1.87	1.73	1.52	2.06

251906080283400 EVERGLADES 2A IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°19'06", long 80°28'34", in sec.7, T.59 S., R.39 E., Dade County, Hydrologic Unit 03090202, in C-111 basin between C-109 and C-110 Canals, 1.6 mi west of US 1 and 1.5 mi north of C-111 Canal, approximately 8.5 mi south of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to current year. Gage height records prior to October 1992, are available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Unit values prior to 1993 water year were not available to determine instantaneous maximum and minimum gage height.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 3.34 ft Aug. 16, 1988; minimum, 0.28 ft May 22, 1990.

EXTREME STAGES FOR CURRENT YEAR.--Maximum mean daily gage height, 2.96 ft Oct. 20; minimum, 0.88 ft Apr. 27, 28.

STATION NUMBER 251906080283400
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.63	2.61	2.13	1.85	1.76	1.48	---	1.15	1.89	2.70	1.75	2.10
2	2.66	2.59	2.12	1.85	1.75	1.50	---	1.16	1.92	2.70	1.72	2.10
3	2.69	2.58	2.11	1.89	1.77	1.51	---	1.16	1.92	2.70	1.71	2.13
4	2.67	2.57	2.11	1.93	1.76	1.50	---	1.16	1.94	2.67	1.69	2.13
5	2.65	2.56	2.10	1.93	1.74	1.48	---	1.14	1.95	2.61	1.67	2.15
6	2.66	2.55	2.09	1.93	1.73	1.47	---	1.11	1.95	2.57	1.67	2.13
7	2.69	2.54	2.09	1.95	1.72	1.46	---	1.08	1.94	2.53	1.65	2.10
8	2.70	2.52	2.08	1.96	1.71	1.48	---	1.05	1.93	2.49	1.63	2.08
9	2.71	2.50	2.07	1.96	1.69	1.46	---	1.01	1.89	2.44	1.62	2.19
10	2.74	2.48	2.06	1.96	1.68	1.43	---	.99	1.97	2.39	1.61	2.25
11	2.71	2.46	2.05	1.96	1.67	1.49	1.23	.97	2.02	2.34	1.60	2.26
12	2.66	2.45	2.04	1.96	1.66	---	1.22	.95	2.10	2.30	1.59	2.27
13	2.64	2.43	2.04	1.95	1.65	---	1.21	.94	2.21	2.26	1.57	2.28
14	2.67	2.41	2.02	1.94	1.64	---	1.19	.95	2.25	2.23	1.56	2.28
15	2.78	2.39	2.00	1.93	1.63	---	1.18	1.01	2.26	2.20	1.56	2.26
16	2.81	2.37	1.98	1.93	1.62	---	1.16	1.03	2.25	2.19	1.56	2.23
17	2.87	2.36	1.96	1.92	1.60	---	1.14	1.03	2.27	2.17	1.55	2.21
18	2.92	2.34	1.95	1.92	1.59	---	1.10	1.01	2.36	2.14	1.55	2.20
19	2.88	2.33	1.93	1.91	1.58	---	1.07	1.00	2.42	2.11	1.69	2.19
20	2.88	2.32	1.93	1.91	1.57	---	1.04	.99	2.48	2.08	1.80	2.21
21	2.91	2.30	1.91	1.90	1.56	---	1.01	1.15	2.52	2.05	1.87	2.24
22	2.93	2.29	1.90	1.88	1.55	---	.98	1.29	2.56	2.01	1.93	2.25
23	2.96	2.27	1.89	1.86	1.54	---	.95	1.30	2.62	1.98	2.01	2.25
24	2.94	2.26	1.87	1.85	1.54	---	.93	1.30	2.75	1.95	2.05	2.26
25	2.91	2.24	1.86	1.83	1.53	---	.92	1.32	2.73	1.92	2.10	2.26
26	2.86	2.21	1.84	1.83	1.52	---	.90	1.38	2.68	1.89	2.13	2.24
27	2.81	2.19	1.83	1.81	1.51	---	.88	1.45	2.70	1.86	2.14	2.22
28	2.76	2.18	1.83	1.81	1.50	---	.88	1.52	2.71	1.84	2.15	2.19
29	2.72	2.16	1.84	1.79	1.49	---	1.01	1.64	2.70	1.81	2.15	2.16
30	2.68	2.15	1.84	1.78	---	---	1.02	1.78	2.73	1.78	2.15	2.14
31	2.65	---	1.84	1.77	---	---	---	1.84	---	1.76	2.13	---
TOTAL	85.75	71.61	61.31	58.65	47.26	---	---	36.86	68.62	68.67	55.56	65.96
MEAN	2.77	2.39	1.98	1.89	1.63	---	---	1.19	2.29	2.22	1.79	2.20
MAX	2.96	2.61	2.13	1.96	1.77	---	---	1.84	2.75	2.70	2.15	2.28
MIN	2.63	2.15	1.83	1.77	1.49	---	---	.94	1.89	1.76	1.55	2.08

251946080254800 EVERGLADES 1 IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°19'46", long 80°25'48", in NE1/4 sec.4, T.59 S., R.39 E., Dade County, Hydrologic Unit 03090202, approximately 1 mi east of US 1, 1.3 mi west-southwest of Levee 31-E, east of S-18-C, southeast of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1985 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Data prior to 1993 water year are available in files of the U.S. Geological Survey. Unit values prior to 1993 water year were not available for review to determine maximum and minimum instantaneous gage height.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 3.26 ft Nov. 15, 1994; minimum, 0.31 ft May 22, 1990.

EXTREME STAGES FOR CURRENT YEAR.--Maximum mean daily gage height, 2.04 ft Oct. 9; minimum, 0.63 ft Apr. 27.

STATION NUMBER 251946080254800
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.97	---	---	---	1.54	1.10	.86	1.14	1.48	1.91	1.41	1.55
2	1.98	---	---	---	1.53	1.13	.83	1.11	1.47	1.90	1.40	1.55
3	1.99	---	---	---	1.54	1.22	.81	1.09	1.46	1.88	1.39	1.56
4	1.99	---	---	---	1.55	1.22	.82	1.05	1.48	1.85	1.38	1.56
5	1.96	---	---	---	1.54	1.21	.82	1.01	1.48	1.82	1.37	1.57
6	1.96	---	---	---	1.53	1.21	.81	.96	1.46	1.79	1.37	1.56
7	1.97	---	---	---	1.52	1.20	.80	.92	1.46	1.76	1.36	1.56
8	1.97	---	---	---	1.52	1.23	.85	.86	1.45	1.73	1.35	1.56
9	2.04	---	---	---	1.51	1.20	1.03	.82	1.44	1.71	1.33	1.59
10	---	---	---	---	1.50	1.22	1.14	.85	1.58	1.68	1.33	1.62
11	---	---	---	---	1.49	1.34	1.12	.81	1.61	1.66	1.31	1.62
12	---	---	---	---	1.48	1.35	1.09	.76	1.63	1.64	1.29	1.63
13	---	---	---	---	1.46	1.35	1.07	.80	1.64	1.63	1.27	1.63
14	---	---	---	---	1.43	1.34	1.04	.89	1.63	1.62	1.25	1.63
15	---	---	---	---	1.42	1.32	1.02	.91	1.62	1.61	1.23	1.62
16	---	---	---	---	1.41	1.31	.99	.88	1.60	1.62	1.21	1.62
17	---	---	---	---	1.39	1.29	.94	.85	1.59	1.62	1.22	1.61
18	---	---	---	---	1.38	1.27	.91	.81	1.62	1.61	1.21	1.60
19	---	---	---	---	1.36	1.28	.88	.79	1.63	1.59	1.42	1.62
20	---	---	---	---	1.34	1.28	.85	.79	1.67	1.57	1.50	1.67
21	---	---	---	---	1.33	1.23	.82	1.09	1.71	1.55	1.56	1.66
22	---	---	---	---	1.31	1.17	.78	1.28	1.74	1.54	1.56	1.64
23	---	---	---	---	1.29	1.13	.75	1.28	1.83	1.53	1.57	1.63
24	---	---	---	1.57	1.26	1.10	.71	1.28	1.89	1.52	1.58	1.64
25	---	---	---	1.57	1.23	1.07	.70	1.29	1.89	1.51	1.58	1.62
26	---	---	---	1.57	1.20	1.04	.66	1.31	1.86	1.49	1.57	1.61
27	---	---	---	1.56	1.16	1.01	.63	1.33	1.86	1.48	1.57	1.60
28	---	---	---	1.56	1.14	.97	.70	1.34	1.85	1.46	1.57	1.60
29	---	---	---	1.56	1.12	.94	.96	1.40	1.88	1.45	1.56	1.59
30	---	---	---	1.55	---	.91	.93	1.51	1.95	1.44	1.56	1.61
31	---	---	---	1.54	---	.88	---	1.51	---	1.42	1.55	---
TOTAL	---	---	---	---	40.48	36.52	26.32	32.72	49.46	50.59	43.83	48.13
MEAN	---	---	---	---	1.40	1.18	.88	1.06	1.65	1.63	1.41	1.60
MAX	---	---	---	---	1.55	1.35	1.14	1.51	1.95	1.91	1.58	1.67
MIN	---	---	---	---	1.12	.88	.63	.76	1.44	1.42	1.21	1.55

EVERGLADES AND SOUTHEASTERN COASTAL AREA

252036080324300 EVERGLADES 4 IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°20'36", long 80°32'43", in sec.30, T.58 S., R.38 E., Dade County, Hydrologic Unit 03090202, approximately 1.3 mi northwest of S-18-C and approximately 1.8 mi east of Aerojet Road.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Unpublished data prior to 1993 water year are available in the files of the U.S. Geological Survey. Unit value data prior to 1993 water year were not available for review to determine instantaneous maximum and minimum gage height.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 3.33 ft Aug. 16, 1988; minimum, 0.47 ft June 20-22, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum mean daily gage height, 3.14 ft Oct. 18, 22; minimum, 1.03 ft Apr. 27.

STATION NUMBER 252036080324300
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.85	2.46	2.35	2.28	1.79	1.42	1.65	2.16	2.59	2.00	2.39
2	---	2.83	2.44	2.35	2.27	1.81	1.38	1.70	2.13	2.55	2.01	2.38
3	---	2.81	2.43	2.38	2.29	1.83	1.34	1.67	2.11	2.53	2.09	2.41
4	---	2.81	2.43	2.42	2.28	1.81	1.31	1.65	2.11	2.53	2.10	2.42
5	---	2.80	2.42	2.41	2.26	1.77	1.28	1.62	2.10	2.52	2.08	2.40
6	---	2.78	2.41	2.41	2.25	1.76	1.24	1.58	2.09	2.50	2.07	2.37
7	---	2.78	2.40	2.40	2.25	1.73	1.22	1.55	2.08	2.48	2.04	2.35
8	---	2.77	2.38	2.40	2.24	1.78	1.44	1.50	2.07	2.45	2.03	2.32
9	---	2.76	2.38	2.39	2.22	1.72	1.80	1.47	2.05	2.42	2.05	2.40
10	---	2.75	2.38	2.38	2.21	1.77	1.86	1.49	2.27	2.38	2.05	2.50
11	---	2.74	2.36	2.38	2.19	2.00	1.76	1.49	2.32	2.35	2.03	2.52
12	---	2.73	2.35	2.37	2.17	1.95	1.69	1.47	2.41	2.33	2.00	2.54
13	2.81	2.71	2.36	2.36	2.15	1.91	1.63	1.46	2.44	2.32	2.01	2.50
14	2.87	2.70	2.36	2.36	2.14	1.88	1.58	1.48	2.42	2.30	2.04	2.46
15	2.94	2.68	2.36	2.35	2.12	1.85	1.52	1.58	2.38	2.28	2.03	2.42
16	2.95	2.66	2.35	2.34	2.10	1.82	1.47	1.53	2.36	2.32	2.03	2.39
17	3.01	2.64	2.35	2.33	2.08	1.79	1.40	1.48	2.38	2.30	2.03	2.37
18	3.14	2.62	2.34	2.32	2.06	1.76	1.34	1.44	2.46	2.28	2.05	2.38
19	3.12	2.60	2.34	2.31	2.04	1.79	1.28	1.41	2.50	2.25	2.21	2.37
20	3.08	2.59	2.35	2.30	2.03	1.76	1.23	1.39	2.52	2.23	2.33	2.36
21	3.09	2.57	2.34	2.29	2.01	1.70	1.19	1.87	2.56	2.20	2.36	2.35
22	3.14	2.55	2.33	2.28	1.99	1.66	1.15	2.03	2.60	2.18	2.37	2.36
23	3.13	2.53	2.33	2.30	1.97	1.62	1.12	1.99	2.63	2.16	2.38	2.36
24	3.09	2.51	2.32	2.29	1.95	1.58	1.08	1.94	2.79	2.15	2.39	2.36
25	3.06	2.50	2.32	2.28	1.92	1.55	1.06	1.95	2.77	2.13	2.39	2.35
26	3.02	2.47	2.31	2.28	1.90	1.58	1.05	2.01	2.70	2.11	2.39	2.34
27	2.99	2.46	2.31	2.28	1.87	1.54	1.03	2.04	2.71	2.09	2.39	2.32
28	2.95	2.45	2.31	2.29	1.85	1.53	1.04	2.07	2.73	2.07	2.39	2.30
29	2.92	2.47	2.33	2.29	1.82	1.51	1.31	2.14	2.67	2.06	2.37	2.28
30	2.89	2.47	2.33	2.29	---	1.48	1.38	2.14	2.62	2.04	2.39	2.30
31	2.87	---	2.34	2.28	---	1.45	---	2.14	---	2.02	2.43	---
TOTAL	---	79.59	73.22	72.46	60.91	53.48	40.60	52.93	72.14	71.12	67.53	71.57
MEAN	---	2.65	2.36	2.34	2.10	1.73	1.35	1.71	2.40	2.29	2.18	2.39
MAX	---	2.85	2.46	2.42	2.29	2.00	1.86	2.14	2.79	2.59	2.43	2.54
MIN	---	2.45	2.31	2.28	1.82	1.45	1.03	1.39	2.05	2.02	2.00	2.28

252043080302400 EVERGLADES 3 IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°20'43", long 80°30'24", in sec.23, T.58 S., R.38 E., Dade County, Hydrologic Unit 03090202, approximately 1.5 mi north-northeast of S-18-C and approximately 3.2 mi west of US 1 southwest of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Data prior to 1993 water year are unpublished and in files of the U.S. Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 3.51 ft Aug. 16, 1988; minimum, 0.40 ft May 17, 1991.

EXTREME STAGES FOR 1994, 1995 WATER YEAR.--1995 water year: Maximum mean daily gage height, 3.07 ft. Oct. 2, 3, minimum 1.51 ft. Apr. 25, 26. 1994 water year: Maximum mean daily gage height, 2.88 ft. Sept. 15, minimum 1.45 ft. Apr. 19.

EXTREME STAGES FOR CURRENT YEAR.--Maximum mean daily gage height, 2.95 ft. Oct. 16, minimum 1.19 ft. Apr. 27.

REVISIONS.--1994 and 1995 water year data previously not published due to lack of level verification when the station was damaged after Hurricane Andrew (1992). Optical levels last were run in the 1997 water year. The tables for these water years are published below.

STATION NUMBER 252043080302400
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.23	2.59	2.10	1.91	2.04	2.34	1.97	2.05	2.16	2.01	1.94	2.34
2	2.22	2.56	2.09	1.90	2.05	2.34	1.95	2.04	2.16	1.99	1.93	2.32
3	2.23	2.54	2.08	1.99	2.07	2.34	1.93	2.03	2.16	1.99	1.95	2.30
4	2.26	2.51	2.08	2.05	2.07	2.32	1.91	2.02	2.26	2.02	1.94	2.33
5	2.28	2.48	2.08	2.05	2.07	2.30	1.89	2.04	2.36	2.03	1.94	2.39
6	2.32	2.46	2.08	2.05	2.06	2.27	1.87	2.04	2.37	2.04	1.97	2.49
7	2.33	2.44	2.08	2.05	2.06	2.25	1.86	2.03	2.36	2.04	2.10	2.55
8	2.32	2.41	2.08	2.05	2.05	2.23	1.81	2.02	2.35	2.02	2.15	2.58
9	2.31	2.39	2.07	2.06	2.04	2.21	1.73	2.02	2.33	2.01	2.15	2.57
10	2.32	2.37	2.07	2.07	2.03	2.18	1.70	2.04	2.33	2.02	2.18	2.56
11	2.37	2.37	2.09	2.08	2.02	2.15	1.68	2.05	2.33	2.00	2.20	2.55
12	2.48	2.35	2.07	2.10	2.00	2.13	1.66	2.05	2.32	1.97	2.33	2.58
13	2.47	2.34	2.06	2.11	1.99	2.12	1.63	2.10	2.31	1.95	2.42	2.64
14	2.47	2.33	2.05	2.16	1.98	2.11	1.60	2.08	2.30	1.92	2.48	2.76
15	2.48	2.31	2.04	2.15	1.96	2.10	1.57	2.06	2.28	1.89	2.48	2.88
16	2.58	2.29	2.03	2.15	1.94	2.09	1.52	2.04	2.26	1.86	2.46	2.87
17	2.67	2.28	2.02	2.14	2.05	2.07	1.52	2.02	2.24	1.83	2.43	2.85
18	2.69	2.26	2.01	2.15	2.20	2.06	1.51	2.04	2.22	1.81	2.38	2.82
19	2.69	2.24	2.01	2.15	2.26	2.05	1.45	2.14	2.19	1.88	2.34	2.79
20	2.70	2.23	2.00	2.14	2.27	2.08	1.64	2.14	2.19	1.98	2.30	2.77
21	2.71	2.22	1.99	2.13	2.28	2.17	1.75	2.12	2.17	1.97	2.27	2.82
22	2.69	2.21	1.98	2.11	2.29	2.14	1.76	2.10	2.16	1.96	2.25	2.83
23	2.70	2.19	1.97	2.09	2.29	2.12	1.80	2.08	2.14	1.98	2.23	2.80
24	2.69	2.18	1.96	2.07	2.28	2.11	1.85	2.05	2.11	1.99	2.20	2.77
25	2.67	2.18	1.99	2.06	2.27	2.09	1.98	2.05	2.09	1.99	2.23	2.76
26	2.73	2.17	1.98	2.05	2.28	2.07	2.11	2.06	2.06	1.99	2.23	2.76
27	2.72	2.17	1.97	2.04	2.33	2.06	2.10	2.06	2.03	1.98	2.26	2.73
28	2.70	2.16	1.96	2.03	2.34	2.04	2.10	2.05	2.04	1.97	2.36	2.76
29	2.68	2.14	1.97	2.02	---	2.02	2.09	2.05	2.04	1.99	2.35	2.76
30	2.65	2.11	1.97	2.01	---	2.00	2.06	2.17	2.03	1.97	2.35	2.79
31	2.63	---	1.93	2.02	---	2.00	---	2.17	---	1.95	2.34	---
TOTAL	77.99	69.48	62.86	64.14	59.57	66.56	54.00	64.01	66.35	61.00	69.14	79.72
MEAN	2.52	2.32	2.03	2.07	2.13	2.15	1.80	2.06	2.21	1.97	2.23	2.66
MAX	2.73	2.59	2.10	2.16	2.34	2.34	2.11	2.17	2.37	2.04	2.48	2.88
MIN	2.22	2.11	1.93	1.90	1.94	2.00	1.45	2.02	2.03	1.81	1.93	2.30

REVISED

EVERGLADES AND SOUTHEASTERN COASTAL AREA

252043080302400 EVERGLADES 3 IN C-111 BASIN NEAR HOMESTEAD, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.97	2.43	2.63	2.55	2.30	1.99	1.92	2.06	2.02	---	---	---
2	3.07	2.41	2.71	2.56	2.29	1.97	1.91	2.04	2.03	---	---	---
3	3.07	2.38	2.70	2.56	2.27	1.96	1.89	2.02	2.12	---	---	---
4	3.02	2.35	2.68	2.56	2.26	1.95	1.87	2.01	2.17	---	---	---
5	2.98	2.32	2.70	2.56	2.24	1.95	1.79	2.21	2.18	---	---	---
6	2.93	2.31	2.71	2.56	2.23	1.95	1.82	2.21	2.20	---	---	---
7	2.90	2.28	2.68	2.57	2.21	1.94	1.90	2.26	2.23	---	---	---
8	2.90	2.27	2.65	2.57	2.20	2.02	1.91	2.37	2.27	---	---	---
9	2.88	2.25	2.63	2.56	2.18	2.06	1.89	2.34	2.29	---	---	---
10	2.94	2.23	2.61	2.55	2.17	2.06	1.87	2.31	2.29	---	---	---
11	2.93	2.21	2.59	2.54	2.16	2.05	1.85	2.28	2.29	---	---	---
12	2.89	2.23	2.56	2.54	2.15	2.05	1.84	2.25	2.28	---	---	---
13	2.87	2.28	2.55	2.54	2.13	2.09	1.84	2.21	2.27	---	---	---
14	2.85	2.47	2.53	2.55	2.13	2.10	1.85	2.17	2.27	---	---	---
15	2.82	2.82	2.51	2.57	2.11	2.08	1.85	2.14	---	---	---	---
16	2.77	2.99	2.49	2.56	2.11	2.06	1.84	2.10	---	---	---	---
17	2.73	3.02	2.47	2.55	2.10	2.06	1.84	2.06	---	---	---	---
18	2.69	3.01	2.46	2.54	2.10	2.06	1.82	2.04	---	---	---	---
19	2.64	2.98	2.44	2.53	2.09	2.04	1.78	2.01	---	---	---	---
20	2.60	2.95	2.43	2.52	2.09	2.02	1.73	2.00	---	---	---	---
21	2.56	2.93	2.55	2.50	2.08	2.00	1.69	2.07	---	---	---	---
22	2.53	2.90	2.56	2.48	2.06	1.99	1.64	2.16	---	---	---	---
23	2.50	2.87	2.57	2.47	2.05	1.99	1.60	2.15	---	---	---	---
24	2.47	2.83	2.57	2.45	2.04	1.99	1.57	2.14	---	---	---	---
25	2.44	2.80	2.57	2.41	2.02	1.99	1.51	2.13	---	---	---	---
26	2.41	2.77	2.57	2.39	2.01	1.98	1.51	2.12	---	---	---	---
27	2.42	2.74	2.55	2.36	2.00	1.98	1.56	2.11	---	---	---	---
28	2.42	2.72	2.55	2.34	1.99	1.96	1.88	2.09	---	---	---	---
29	2.39	2.69	---	2.32	---	1.95	2.02	2.08	---	---	---	---
30	2.41	2.66	2.56	2.32	---	1.94	2.06	2.06	---	---	---	---
31	2.45	---	2.55	2.32	---	1.93	---	2.05	---	---	---	---
TOTAL	84.45	78.10	---	77.40	59.77	62.16	54.05	66.25	---	---	---	---
MEAN	2.72	2.60	---	2.50	2.13	2.01	1.80	2.14	---	---	---	---
MAX	3.07	3.02	---	2.57	2.30	2.10	2.06	2.37	---	---	---	---
MIN	2.39	2.21	---	2.32	1.99	1.93	1.51	2.00	---	---	---	---

REVISED

EVERGLADES AND SOUTHEASTERN COASTAL AREA

PAGE 309

252043080302400 EVERGLADES 3 IN C-111 BASIN NEAR HOMESTEAD, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	2.20	1.80	---	1.68	2.28	2.78	2.07	2.36
2	---	---	---	---	2.20	1.81	---	1.70	2.26	2.75	2.06	2.36
3	---	---	---	---	2.20	1.84	---	1.72	2.25	2.74	2.11	2.39
4	---	---	---	---	2.20	1.83	---	1.72	2.26	2.72	2.16	2.40
5	---	---	---	---	2.19	1.81	---	1.71	2.27	2.70	2.13	2.40
6	---	---	---	---	2.18	1.79	---	1.68	2.26	2.67	2.12	2.36
7	---	---	---	---	2.18	1.77	---	1.66	2.25	2.64	2.09	2.33
8	---	---	---	---	2.17	1.79	---	1.62	2.24	2.59	2.07	2.31
9	---	---	---	---	2.15	1.76	---	1.58	2.22	2.55	2.07	2.49
10	---	---	---	---	2.14	1.77	---	1.56	2.29	2.51	2.06	2.55
11	2.85	---	---	---	2.13	1.92	---	1.52	2.37	2.47	2.06	2.55
12	2.82	---	---	---	2.12	1.93	---	1.47	2.48	2.45	2.04	2.55
13	2.79	---	---	---	2.10	1.92	---	1.50	2.49	2.42	2.03	2.53
14	2.81	---	---	---	2.08	1.91	---	1.65	2.51	2.39	2.04	2.50
15	2.94	---	---	---	2.07	1.89	---	1.84	2.50	2.36	2.07	2.47
16	2.95	---	---	---	2.06	1.88	---	1.77	2.50	2.38	2.07	2.46
17	---	---	---	---	2.04	1.85	---	1.71	2.55	2.36	2.08	2.45
18	---	---	---	---	2.02	1.82	---	1.64	2.63	2.34	2.07	2.45
19	---	---	---	---	2.01	1.81	---	1.57	2.61	2.32	2.17	2.44
20	---	---	---	---	1.99	1.80	---	1.53	2.65	2.29	2.25	2.44
21	---	---	---	---	1.98	1.76	---	1.77	2.70	2.27	2.33	2.44
22	---	---	---	---	1.98	1.71	---	1.94	2.74	2.24	2.37	2.44
23	---	---	---	---	1.97	1.68	---	1.96	2.80	2.23	2.43	2.44
24	---	---	---	2.21	1.94	1.64	---	1.98	2.93	2.22	2.48	2.44
25	---	---	---	2.21	1.92	---	---	2.03	2.89	2.20	2.47	2.42
26	---	---	---	2.22	1.89	---	1.20	2.14	2.83	2.18	2.46	2.39
27	---	---	---	2.21	1.87	---	1.19	2.23	2.84	2.16	2.45	2.37
28	---	---	---	2.21	1.85	---	1.30	2.23	2.86	2.14	2.44	2.34
29	---	---	---	2.21	1.82	---	1.58	2.28	2.83	2.12	2.41	2.33
30	---	---	---	2.21	---	---	1.53	2.28	2.82	2.11	2.37	2.35
31	---	---	---	2.20	---	---	---	2.28	---	2.09	2.37	---
TOTAL	---	---	---	---	59.65	---	---	55.95	76.11	74.39	68.40	72.75
MEAN	---	---	---	---	2.06	---	---	1.80	2.54	2.40	2.21	2.42
MAX	---	---	---	---	2.20	---	---	2.28	2.93	2.78	2.48	2.55
MIN	---	---	---	---	1.82	---	---	1.47	2.22	2.09	2.03	2.31

02291000 BARRON RIVER CANAL NEAR EVERGLADES, FL

LOCATION.--Lat 25°57'28", long 81°21'19", in NW1/4 sec.7, T.52 S., R.30 E., Collier County, Hydrologic Unit 03090204, on right bank 40 ft upstream from control structure No. 6, 0.7 mi north of Copeland, 7 mi north of town of Everglades City, and 7.5 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July to December 1951 (discharge measurements only), January 1952 to current year. Records prior to January 1952 are available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (State Department of Transportation bench mark). Prior to Jan. 24, 1952, non-recording gage.

REMARKS.--No estimated daily discharges. Records poor. Flow regulated by operation of control structure at, above, and below station. Overbank flow not included in discharge figures.

ANNUAL MEAN and ANNUAL SUMMARY STATISTICS.--Figures represent 42 complete years of discharge (1952-87, 1989-94, 1996).

EXTREME STAGE FOR PERIOD OF RECORD.--Maximum gage height, 7.07 ft Aug. 26, 1995; minimum, 0.21 ft May 18, 1972.

EXTREMES FOR STAGES FOR CURRENT YEAR.--Maximum gage height, 6.44 ft Oct. 20; minimum, 3.60 ft May 11.

STATION NUMBER 02291000												
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.10	6.09	5.58	5.27	4.58	4.65	4.41	4.13	5.23	5.76	5.32	5.34
2	6.10	6.06	5.57	5.26	4.54	4.93	4.37	4.20	5.21	5.72	5.44	5.33
3	6.10	6.02	5.56	5.30	4.52	5.10	4.32	4.45	5.18	5.67	5.48	5.32
4	6.11	5.99	5.55	5.28	4.44	5.04	4.29	4.33	5.15	5.62	5.47	5.32
5	6.18	5.97	5.53	5.26	4.34	5.02	4.26	4.18	5.12	5.66	5.45	5.31
6	6.29	5.94	5.52	5.24	4.28	5.00	4.23	4.04	5.08	5.72	5.44	5.30
7	6.32	5.91	5.50	5.29	4.24	4.96	4.22	3.92	5.06	5.68	5.40	5.30
8	6.33	5.90	5.48	5.28	4.21	4.95	4.50	3.82	5.16	5.63	5.38	5.35
9	6.33	5.88	5.47	5.26	4.17	4.90	5.00	3.74	5.24	5.58	5.41	5.40
10	6.31	5.85	5.46	5.24	4.13	4.93	5.00	3.68	5.41	5.54	5.38	5.54
11	6.27	5.84	5.44	5.23	4.09	5.05	4.87	3.96	5.39	5.50	5.36	5.83
12	6.24	5.83	5.42	5.22	4.04	5.04	4.79	4.75	5.38	5.46	5.33	5.85
13	6.20	5.81	5.41	5.20	3.96	4.96	4.72	4.55	5.37	5.42	5.31	5.82
14	6.26	5.79	5.40	5.17	4.19	4.90	4.65	4.69	5.35	5.40	5.30	5.77
15	6.40	5.77	5.39	5.16	4.71	4.84	4.59	5.21	5.33	5.37	5.28	5.72
16	6.39	5.74	5.37	5.14	4.94	4.80	4.54	5.08	5.39	5.36	5.28	5.72
17	6.37	5.70	5.36	5.13	4.96	4.75	4.45	4.96	5.62	5.36	5.27	5.67
18	6.38	5.68	5.35	5.13	4.92	4.72	4.38	4.85	5.65	5.35	5.27	5.62
19	6.42	5.66	5.36	5.12	4.88	4.92	4.30	4.74	5.53	5.34	5.23	5.57
20	6.43	5.65	5.38	5.09	4.85	4.90	4.21	4.78	5.52	5.32	5.22	5.53
21	6.43	5.64	5.37	5.07	4.83	4.83	4.14	5.21	5.59	5.33	5.24	5.50
22	6.40	5.62	5.36	5.04	4.82	4.79	4.08	5.30	5.57	5.30	5.30	5.49
23	6.37	5.60	5.37	4.97	4.79	4.74	4.02	5.26	5.57	5.28	5.30	5.46
24	6.33	5.58	5.34	4.93	4.78	4.70	3.97	5.25	5.64	5.25	5.30	5.44
25	6.30	5.57	5.32	4.89	4.77	4.66	3.91	5.24	5.69	5.22	5.28	5.42
26	6.26	5.56	5.31	4.84	4.75	4.62	3.86	5.26	5.67	5.20	5.30	5.40
27	6.24	5.55	5.30	4.80	4.72	4.58	3.79	5.28	5.73	5.17	5.29	5.38
28	6.21	5.54	5.28	4.73	4.69	4.66	3.76	5.26	5.84	5.12	5.29	5.36
29	6.19	5.57	5.27	4.68	4.68	4.59	3.71	5.25	5.83	5.08	5.33	5.36
30	6.15	5.60	5.26	4.65	---	4.50	3.80	5.25	5.80	5.10	5.36	5.38
31	6.12	---	5.27	4.62	---	4.46	---	5.25	---	5.21	5.36	---
TOTAL	194.53	172.91	167.55	157.49	131.82	149.49	129.14	145.87	163.30	167.72	165.37	164.80
MEAN	6.28	5.76	5.40	5.08	4.55	4.82	4.30	4.71	5.44	5.41	5.33	5.49
MAX	6.43	6.09	5.58	5.30	4.96	5.10	5.00	5.30	5.84	5.76	5.48	5.85
MIN	6.10	5.54	5.26	4.62	3.96	4.46	3.71	3.68	5.06	5.08	5.22	5.30

00291000 BARRON RIVER CANAL NEAR EVERGLADES, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	133	130	127	122	71	2.0	.00	15	34	142	114	120
2	134	125	127	122	68	13	.00	18	32	138	124	119
3	134	123	128	125	67	19	.00	29	30	134	127	118
4	135	122	128	124	62	16	.00	23	29	131	127	118
5	141	121	129	123	56	15	.00	17	27	134	126	117
6	155	120	128	122	52	14	.00	12	24	139	125	116
7	158	120	128	126	50	12	.00	7.8	23	136	122	117
8	159	120	127	126	48	12	4.0	5.2	29	132	121	121
9	159	120	126	125	46	10	16	3.4	35	128	123	124
10	156	120	126	123	44	11	16	2.2	46	125	121	136
11	151	120	125	122	42	17	10	3.5	45	123	119	160
12	147	120	124	121	40	16	7.1	8.5	44	119	118	162
13	144	120	123	119	36	13	5.0	2.8	44	116	116	160
14	150	121	123	117	18	10	3.2	12	42	115	115	155
15	167	120	123	115	3.5	8.0	1.9	32	40	114	114	152
16	166	119	122	114	12	6.5	.96	24	45	113	114	152
17	163	117	122	113	12	5.0	.16	18	63	113	113	147
18	165	117	122	112	10	4.0	.00	12	66	113	113	143
19	169	117	123	111	9.1	12	.00	8.2	93	112	110	139
20	171	117	125	109	7.6	10	.00	10	121	111	109	136
21	170	118	125	106	7.2	7.9	.00	33	127	112	111	134
22	166	118	125	104	6.5	6.4	.00	39	125	110	116	133
23	162	117	125	99	5.7	4.9	.00	36	125	108	116	131
24	158	118	124	96	5.4	3.9	.00	35	131	106	116	129
25	153	118	123	93	4.9	2.8	.00	34	136	105	114	127
26	149	118	122	90	4.4	1.9	.00	36	134	104	115	126
27	146	119	122	86	3.7	1.2	.00	37	139	101	115	125
28	143	119	121	81	2.8	2.9	.00	36	148	98	115	123
29	140	123	121	78	2.6	1.4	.00	35	148	96	118	123
30	136	127	121	76	---	.35	4.1	35	146	98	120	125
31	133	---	122	74	---	.11	---	35	---	105	121	---
TOTAL	4713	3604	3857	3374	797.4	259.26	68.42	654.6	2271	3631	3648	3988
MEAN	152	120	124	109	27.5	8.36	2.28	21.1	75.7	117	118	133
MAX	171	130	129	126	71	19	16	39	148	142	127	162
MIN	133	117	121	74	2.6	.11	.00	2.2	23	96	109	116
AC-FT	9350	7150	7650	6690	1580	514	136	1300	4500	7200	7240	7910

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1996, BY WATER YEAR (WY)

MEAN	149	113	84.5	73.9	65.1	55.7	38.2	31.0	76.8	118	143	163
MAX	231	248	220	218	199	225	192	173	196	239	230	233
(WY)	1960	1960	1960	1958	1958	1970	1958	1958	1969	1970	1982	1973
MIN	13.4	5.09	1.65	.000	.000	.000	.000	.000	.000	.013	1.21	5.25
(WY)	1990	1991	1989	1989	1989	1989	1989	1989	1985	1989	1989	1989

SUMMARY STATISTICS

FOR 1996 WATER YEAR

WATER YEARS 1952 - 1996

ANNUAL TOTAL	30865.68	
ANNUAL MEAN	84.3	93.2
HIGHEST ANNUAL MEAN		189
LOWEST ANNUAL MEAN		3.52
HIGHEST DAILY MEAN	171	Oct 20
LOWEST DAILY MEAN	.00	Apr 1
ANNUAL SEVEN-DAY MINIMUM	.00	Apr 1
INSTANTANEOUS PEAK FLOW		.00
INSTANTANEOUS PEAK STAGE		292
ANNUAL RUNOFF (AC-FT)	61220	67540
10 PERCENT EXCEEDS	140	197
50 PERCENT EXCEEDS	115	80
90 PERCENT EXCEEDS	3.5	6.9

02291200 LAKE TRAFFORD NEAR IMMOKALEE, FL

LOCATION.--Lat 26°26'08", long 81°29'25", in NW1/4 sec.35, T.46 S., R.28 E., Collier County, Hydrologic Unit 03090204, at county boat ramp dock, on north side of lake and 4.2 mi west of Immokalee.

SURFACE AREA.--1,485 acres.

DRAINAGE AREA.--27 mi², approximately.

PERIOD OF RECORD.--March 1941 to current year. Records of elevations prior to October 1960 are available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 16.43 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 6, 1960, at several sites in the immediate vicinity at same datum. (May 15, 1962, to Sept. 30, 1962, auxiliary non-recording gage in canal at county boat landing, 0.3 mi southeast. Oct. 1, 1962, to Nov. 25, 1968, non-recording gage at same site and datum. Gage readings have been reduced to elevations NGVD. Gage relocated Mar. 30, 1988 because of excessive aquatic growth in ditch causing erroneous record at low stage).

REMARKS.--Lake is landlocked except above an elevation of about 21 ft, when there is overflow to the south into Corkscrew Swamp.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum elevation, 22.79 ft Sept. 23, 1947; minimum, 15.90 ft estimated June 6-10, 1962.

EXTREME STAGES FOR CURRENT YEAR.--Maximum elevation, 22.35 ft Oct. 18; minimum, 19.49 ft May 12.

STATION NUMBER 02291200
ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.56	21.61	20.77	20.57	20.50	20.29	19.80	19.78	---	20.59	20.40	20.61
2	21.56	21.57	20.76	20.57	20.49	20.28	19.77	19.77	---	20.59	20.39	20.60
3	21.65	21.55	20.75	20.65	20.51	20.21	19.77	19.77	---	20.58	20.39	20.58
4	21.66	21.53	20.74	20.65	20.50	20.15	19.77	19.77	---	20.57	20.41	20.56
5	21.91	21.49	20.72	20.64	20.47	20.13	19.77	19.74	---	20.57	20.41	20.55
6	22.12	21.39	20.71	20.64	20.45	20.12	19.77	19.72	---	20.63	20.42	20.53
7	22.12	21.30	20.70	20.66	20.46	20.03	19.77	19.70	---	20.64	20.39	20.54
8	22.14	21.28	20.69	20.64	20.45	19.91	19.84	19.68	---	20.63	20.38	20.53
9	22.19	21.25	20.68	20.63	20.45	19.87	19.93	19.66	---	20.66	20.39	20.51
10	22.19	21.22	20.66	20.63	20.45	19.85	19.95	19.64	---	20.71	20.41	20.51
11	22.16	21.20	20.63	20.62	20.44	19.86	19.95	19.62	---	20.72	20.42	20.52
12	22.11	21.16	20.62	20.63	20.42	19.86	19.95	19.64	---	20.73	20.41	20.51
13	22.06	21.13	20.61	20.63	20.39	19.86	19.96	19.72	---	20.75	20.41	20.51
14	22.09	21.10	20.61	20.63	20.39	19.86	19.97	19.73	---	20.80	20.42	20.50
15	22.31	21.06	20.60	20.62	20.38	19.85	19.97	19.80	---	20.79	20.41	20.48
16	22.29	21.04	20.59	20.61	20.37	19.84	19.96	19.79	---	20.77	20.38	20.47
17	22.31	21.02	20.57	20.61	20.35	19.81	19.94	19.77	---	20.75	20.37	20.46
18	22.34	21.00	20.57	20.60	20.34	19.80	19.94	19.75	---	20.72	20.36	20.45
19	22.32	20.98	20.59	20.60	20.34	19.77	19.94	19.75	---	20.72	20.37	20.43
20	22.30	20.96	20.61	20.58	20.34	19.75	19.93	19.80	---	20.75	20.43	20.42
21	22.25	20.95	20.59	20.57	20.34	19.72	19.92	19.84	---	20.73	20.43	20.41
22	22.20	20.91	20.58	20.56	20.35	19.70	19.92	---	---	20.71	20.42	20.43
23	22.14	20.90	20.58	20.56	20.34	19.68	19.91	---	---	20.62	20.41	20.42
24	22.09	20.88	20.57	20.55	20.34	19.67	19.90	---	---	20.57	20.40	20.40
25	22.03	20.86	20.56	20.54	20.33	19.65	19.88	---	---	20.55	20.40	20.38
26	21.98	20.81	20.56	20.53	20.33	19.64	19.86	---	20.54	20.52	20.41	20.36
27	21.93	20.79	20.55	20.53	20.32	19.63	19.84	---	20.57	20.49	20.46	20.35
28	21.85	20.79	20.55	20.51	20.32	19.77	19.81	---	20.60	20.44	20.46	20.34
29	21.77	20.79	20.54	20.50	20.30	19.79	19.79	---	20.61	20.41	20.50	20.34
30	21.71	20.78	20.54	20.50	---	19.80	19.78	---	20.60	20.39	20.51	20.36
31	21.64	---	20.55	20.51	---	19.80	---	---	---	20.39	20.59	---
TOTAL	682.98	633.30	639.35	638.27	591.46	615.95	596.26	---	---	639.49	632.96	614.06
MEAN	22.03	21.11	20.62	20.59	20.40	19.87	19.88	---	---	20.63	20.42	20.47
MAX	22.34	21.61	20.77	20.66	20.51	20.29	19.97	---	---	20.80	20.59	20.61
MIN	21.56	20.78	20.54	20.50	20.30	19.63	19.77	---	---	20.39	20.36	20.34

02291500 IMPERIAL RIVER NEAR BONITA SPRINGS, FL

LOCATION.--Lat 26°20'07", long 81°44'59", in SW1/4 sec.31, T.47 S., R.26 E., Lee County, Hydrologic Unit 03090204, (Bonita Springs Quadrangle), on left bank, 4 ft downstream of bridge on Orr Road, 0.3 mi north of Bonita Beach Road, 2.0 mi east of US 41 at Bonita Springs, and 7.4 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 1940 to November 1954, February 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. May 1940 to November 1954, water-stage recorder at wooden control on right bank, 1.5 mi east of Bonita Springs (lat 26°20'05", long 81°45'20"). Prior to Sept. 10, 1941, staff gage at same site and datum. (Revised).

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 23 complete water years of discharge (1941-54, 1988-96).

REMARKS.--Records good except for estimated periods, which are poor.

EXTREME OUTSIDE PERIOD OF RECORD.--Maximum gage height, 13.40 ft, from flood marks June 15, 1936.

STATION NUMBER 02291500
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.48	11.54	6.65	4.88	4.02	---	---	3.06	3.14	6.04	4.11	5.20
2	10.30	11.40	6.53	4.80	4.00	---	3.31	3.05	3.13	5.82	4.46	5.03
3	10.20	11.22	6.42	5.73	4.03	---	3.29	3.07	3.12	5.57	4.87	---
4	10.23	11.00	6.31	6.01	4.10	---	3.27	3.07	3.11	5.26	5.19	---
5	11.34	10.78	6.19	5.94	4.00	---	3.25	3.06	3.09	5.16	5.79	4.66
6	12.51	10.57	6.08	5.86	3.99	---	3.23	3.05	3.08	5.52	6.17	4.54
7	12.82	10.39	5.98	5.93	4.01	---	3.22	3.04	3.07	5.54	6.16	4.52
8	12.86	10.25	5.86	5.81	3.95	---	3.28	3.03	3.08	5.43	5.96	5.25
9	12.90	10.02	5.78	5.57	3.88	---	3.50	3.03	3.15	5.24	5.89	5.27
10	12.87	9.81	5.68	5.45	3.80	---	3.54	3.03	3.17	5.10	6.11	6.24
11	13.04	9.60	5.55	5.34	3.76	---	3.57	3.01	3.19	4.93	6.18	6.19
12	13.05	9.40	5.39	5.26	3.72	---	3.49	3.01	3.20	4.74	5.90	6.01
13	12.90	9.15	5.28	5.28	3.67	---	3.41	3.02	3.22	4.56	5.46	5.82
14	12.87	8.95	5.19	5.12	3.63	---	3.31	3.05	3.29	4.50	5.08	5.49
15	13.66	8.73	5.11	5.09	3.65	---	3.16	3.05	3.31	4.61	4.80	5.18
16	13.59	8.54	5.06	4.99	3.60	---	3.15	3.06	3.35	4.61	4.62	5.14
17	13.50	8.34	5.00	4.91	3.58	---	3.14	3.06	3.58	4.54	4.62	5.07
18	13.45	8.17	4.93	4.85	3.58	---	3.12	3.05	4.00	4.41	4.74	4.93
19	13.46	7.99	5.01	4.80	3.58	---	3.11	3.04	4.36	4.31	4.79	4.90
20	13.55	7.83	5.50	4.68	3.57	---	3.09	3.05	4.72	4.23	5.76	4.91
21	13.40	7.74	5.34	4.59	3.57	---	3.08	3.10	4.93	4.15	5.70	5.66
22	13.24	7.58	5.24	4.51	---	---	3.07	3.14	5.22	4.27	5.53	6.18
23	13.10	7.41	5.26	4.44	---	---	3.06	3.16	5.55	4.26	5.29	6.22
24	12.95	7.27	5.18	4.37	---	---	3.06	3.17	5.92	4.28	5.39	5.93
25	12.80	7.16	5.07	4.31	---	---	3.05	3.17	6.07	4.17	5.33	5.60
26	12.66	7.01	4.96	4.26	---	---	3.05	3.17	6.14	4.08	5.81	5.31
27	12.50	6.91	4.89	4.23	---	---	3.05	3.17	6.13	4.02	5.79	5.35
28	12.36	6.83	4.86	4.18	---	---	3.05	3.16	6.20	3.96	5.72	5.18
29	12.20	6.85	4.80	4.13	---	---	3.06	3.15	6.18	3.91	5.49	5.04
30	11.98	6.81	4.75	4.08	---	---	3.06	3.16	6.26	3.85	5.27	5.00
31	11.71	---	4.78	4.05	---	---	---	3.16	---	3.91	5.27	---
TOTAL	388.48	265.25	168.63	153.45	---	---	---	95.60	125.96	144.98	167.25	---
MEAN	12.53	8.84	5.44	4.95	---	---	---	3.08	4.20	4.68	5.40	---
MAX	13.66	11.54	6.65	6.01	---	---	---	3.17	6.26	6.04	6.18	---
MIN	10.20	6.81	4.75	4.05	---	---	---	3.01	3.07	3.85	4.11	---

BIG CYPRESS SWAMP AND SOUTHWESTERN COASTAL AREA

02291500 IMPERIAL RIVER NEAR BONITA SPRINGS, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	590	824	154	60	31	e17	e14	11	13	128	49	79
2	556	791	146	57	31	e17	15	11	13	115	63	71
3	536	749	139	100	32	e17	15	11	13	101	82	e65
4	543	701	132	115	34	e17	15	11	13	85	99	e60
5	790	653	125	111	31	e17	14	11	13	80	135	55
6	1080	608	119	106	31	e16	14	11	13	97	160	51
7	1160	574	113	110	31	e16	14	11	13	97	161	51
8	1170	546	106	104	30	e16	15	10	13	92	147	80
9	1180	505	102	91	28	e16	19	10	14	82	141	81
10	1180	471	97	85	26	e16	20	10	15	75	153	132
11	1220	440	90	80	25	e16	21	10	16	67	156	130
12	1220	413	83	76	24	e16	19	10	16	59	138	119
13	1180	380	77	77	23	e15	17	10	16	52	111	109
14	1180	355	73	70	22	e15	15	11	18	50	90	92
15	1410	330	70	69	22	e15	13	11	18	53	76	77
16	1390	310	67	65	21	e15	12	11	20	53	67	76
17	1350	288	65	62	21	e14	12	11	25	52	66	73
18	1330	271	62	59	21	e14	12	11	36	48	71	67
19	1340	254	66	57	21	e14	12	11	48	45	73	65
20	1370	241	88	53	21	e14	11	11	61	43	120	66
21	1320	234	80	50	21	e14	11	12	71	41	115	103
22	1280	221	76	47	e20	e13	11	12	84	46	105	132
23	1240	208	76	45	e20	e13	11	13	101	47	93	134
24	1200	198	73	42	e19	e13	11	13	122	48	97	117
25	1160	189	68	40	e19	e13	11	13	132	45	93	99
26	1120	179	64	39	e19	e13	11	13	136	43	116	85
27	1080	172	61	38	e18	e12	11	13	136	42	113	87
28	1040	166	60	36	e18	e12	11	13	139	41	109	79
29	996	168	57	35	e18	e12	11	13	137	40	96	73
30	935	165	55	33	---	e12	11	13	141	39	84	71
31	867	---	56	33	---	e13	---	13	---	41	84	---
TOTAL	34013	11604	2700	2045	698	453	409	355	1606	1947	3263	2579
MEAN	1097	387	87.1	66.0	24.1	14.6	13.6	11.5	53.5	62.8	105	86.0
MAX	1410	824	154	115	34	17	21	13	141	128	161	134
MIN	536	165	55	33	18	12	11	10	13	39	49	51
AC-FT	67460	23020	5360	4060	1380	899	811	704	3190	3860	6470	5120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1996, BY WATER YEAR (WY)

MEAN	247	79.5	32.5	29.7	23.3	18.1	18.7	8.76	52.4	155	207	310
MAX	1097	387	219	185	141	76.5	207	55.4	331	569	709	1178
(WY)	1996	1996	1988	1995	1941	1987	1941	1941	1947	1992	1995	1995
MIN	7.01	1.73	1.51	1.25	.82	.86	.74	.72	.61	1.84	20.8	61.5
(WY)	1951	1943	1943	1951	1949	1949	1949	1950	1951	1944	1942	1990

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1940 - 1996

ANNUAL TOTAL	126501	61672	
ANNUAL MEAN	347	169	101
HIGHEST ANNUAL MEAN			273
LOWEST ANNUAL MEAN			24.1
HIGHEST DAILY MEAN	2000	Sep 2	1410
LOWEST DAILY MEAN	16	Apr 24	10
ANNUAL SEVEN-DAY MINIMUM	16	May 25	10
INSTANTANEOUS PEAK FLOW			1420
INSTANTANEOUS PEAK STAGE			13.68
INSTANTANEOUS LOW FLOW			9.8
ANNUAL RUNOFF (AC-FT)	250900	122300	73070
10 PERCENT EXCEEDS	1170	549	284
50 PERCENT EXCEEDS	143	60	20
90 PERCENT EXCEEDS	18	12	1.1

e Estimated

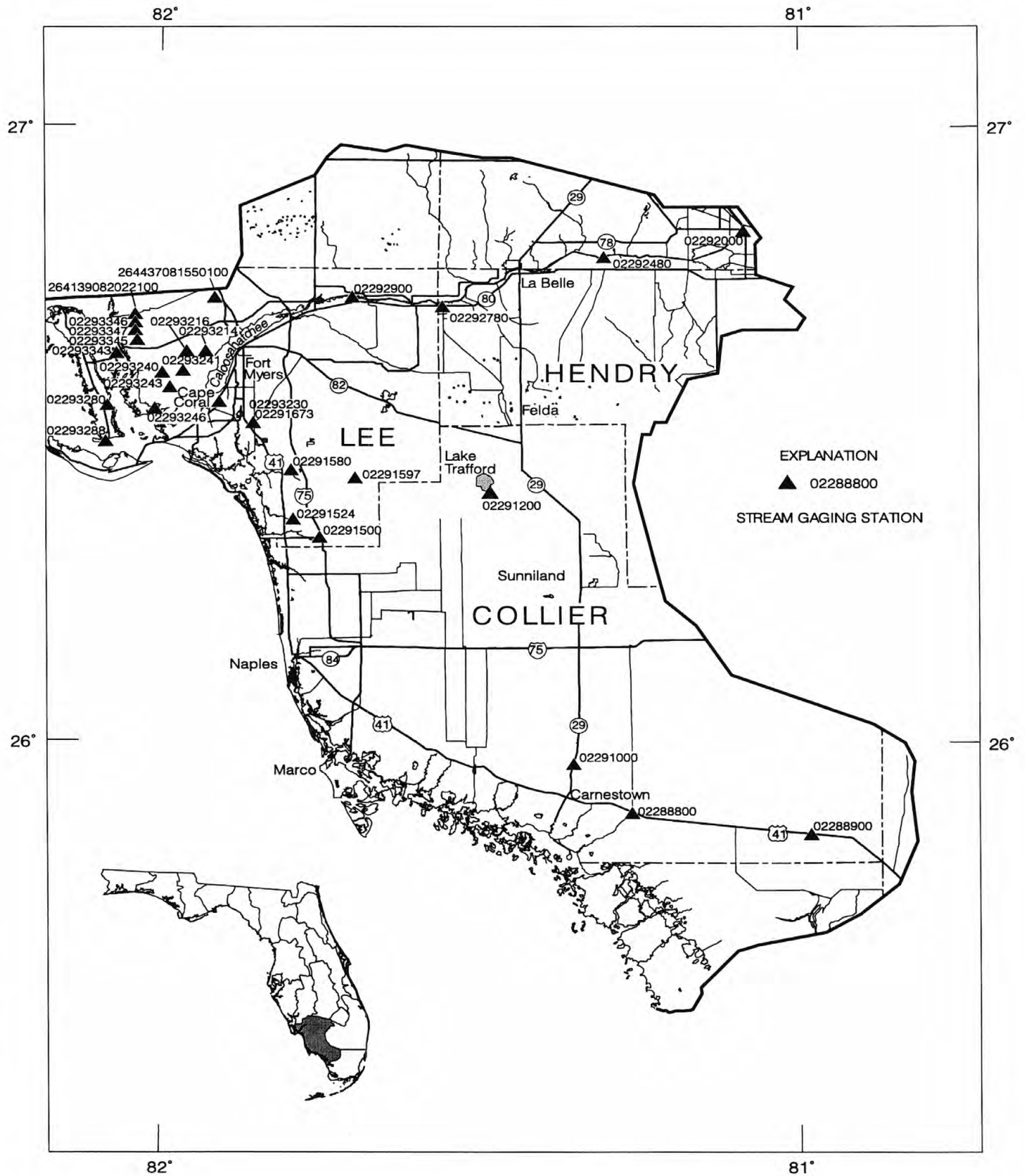


Figure 10. Location of gaging stations in the Big Cypress Swamp and southwestern coastal area; the Caloosahatchee River; Lake Trafford; Charlotte Harbor and the coastal area.

02291524 SPRING CREEK HEADWATER NEAR BONITA SPRINGS, FL

LOCATION.--Lat 26°21'42", long 81°47'27", in SE1/4 sec.22, T.47 S., R.25 E., Lee County, Hydrologic Unit 03090204, (Bonita Springs Quadrangle) at culvert on SR-887, 1.8 mi north of Bonita Springs, 4.7 mi upstream from mouth and 5.6 mi south of Estero.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida State Road Department Bench Mark).

REMARKS.--Records good, except for estimated discharges, which are poor.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 9 complete water years of discharge (1988-96).

STATION NUMBER 02291524
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.66	7.57	6.76	6.63	---	---	---	---	---	6.93	6.67	6.97
2	7.70	7.53	6.75	6.63	---	---	---	---	6.42	6.86	6.66	6.95
3	7.88	7.50	6.74	6.77	---	---	---	---	6.41	6.87	6.65	6.91
4	7.86	7.47	6.73	6.81	---	---	---	---	6.39	6.86	6.66	6.87
5	9.18	7.43	6.72	6.80	---	---	---	---	6.38	7.15	6.67	6.84
6	9.52	7.40	6.72	6.79	---	---	---	---	6.37	7.55	6.66	7.04
7	8.79	7.36	6.71	6.83	---	---	---	---	6.35	7.39	6.64	7.53
8	8.83	7.34	6.70	6.86	---	---	---	---	6.34	7.24	6.74	7.55
9	8.78	7.31	6.70	6.85	---	---	---	---	6.35	7.15	6.80	7.89
10	8.57	7.28	6.69	6.83	---	---	---	---	6.36	7.13	7.01	7.69
11	8.79	7.26	6.68	6.82	---	---	---	---	6.36	7.06	7.13	7.56
12	8.46	7.23	6.68	6.82	---	---	---	---	6.36	7.00	7.06	7.46
13	8.31	7.19	6.67	6.82	---	---	---	---	6.36	6.96	6.95	7.36
14	8.35	7.17	6.67	6.82	---	---	---	---	6.36	6.96	6.86	7.27
15	9.75	7.13	6.66	6.80	---	---	---	---	6.37	7.05	6.79	7.21
16	9.25	7.08	6.65	---	---	---	---	---	6.38	7.02	6.77	7.19
17	8.82	7.03	6.65	---	---	---	---	---	6.47	6.95	6.93	7.17
18	8.55	6.99	6.65	---	---	---	---	---	6.94	6.90	6.98	7.24
19	8.47	6.95	6.66	---	---	---	---	---	6.94	6.87	6.98	7.29
20	8.71	6.91	6.68	---	---	---	---	---	7.33	6.82	7.29	7.31
21	8.25	6.89	6.67	---	---	---	---	---	8.56	6.88	7.22	7.31
22	7.96	6.86	6.67	---	---	---	---	---	6.93	6.86	7.12	7.30
23	7.83	6.84	6.66	---	---	---	---	---	6.81	6.82	7.05	7.25
24	8.02	6.83	6.66	---	---	---	---	---	6.76	6.80	7.00	7.19
25	7.91	6.81	6.65	---	---	---	---	---	6.76	6.76	6.95	7.18
26	7.87	6.80	6.65	---	---	---	---	---	6.78	6.72	6.91	7.21
27	7.81	6.78	6.64	---	---	---	---	---	6.92	6.69	6.99	7.30
28	7.74	6.78	6.64	---	---	---	---	---	7.18	6.66	7.05	7.26
29	7.67	6.77	6.64	---	---	---	---	---	7.10	6.64	7.10	7.23
30	7.60	6.77	6.63	---	---	---	---	---	7.02	6.64	7.05	7.26
31	7.55	---	6.63	---	---	---	---	---	---	6.66	7.01	---
TOTAL	258.44	213.26	207.01	---	---	---	---	---	---	214.85	214.35	217.79
MEAN	8.34	7.11	6.68	---	---	---	---	---	---	6.93	6.91	7.26
MAX	9.75	7.57	6.76	---	---	---	---	---	---	7.55	7.29	7.89
MIN	7.55	6.77	6.63	---	---	---	---	---	---	6.64	6.64	6.84

02291524 SPRING CREEK HEADWATER NEAR BONITA SPRINGS, FL
 DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	37	5.9	3.7	e2.7	e1.6	e1.2	e.91	e2.8	13	3.4	4.8
2	37	35	5.7	3.9	e2.7	e1.5	e1.2	e.91	2.7	10	3.4	4.2
3	47	33	5.5	6.8	e2.8	e1.5	e1.3	e.90	2.5	9.9	3.3	3.3
4	47	32	5.4	7.7	e3.0	e1.4	e1.2	e.90	2.3	9.2	3.8	2.6
5	181	30	5.4	7.3	e2.9	e1.4	e1.2	e.88	2.1	18	4.1	2.0
6	207	28	5.3	7.1	e2.8	e1.4	e1.2	e.86	2.0	36	4.0	5.2
7	123	26	5.1	8.2	e2.7	e1.4	e1.1	e.84	1.8	27	3.5	21
8	129	25	5.0	9.0	e2.6	e1.4	e1.1	e.83	1.6	20	5.2	22
9	127	24	4.9	8.7	e2.5	e1.4	e1.3	e.82	1.8	15	6.2	42
10	108	23	4.8	8.2	e2.4	e1.4	e1.5	e.81	1.9	14	11	30
11	133	22	4.7	7.8	e2.3	e1.3	e1.7	e.80	1.9	11	15	20
12	100	20	4.5	7.9	e2.2	e1.3	e1.6	e.80	1.9	9.0	12	15
13	86	19	4.4	7.9	e2.2	e1.3	e1.6	e.80	1.9	7.5	8.8	11
14	92	18	4.4	7.8	e2.1	e1.3	e1.5	e.75	1.9	7.3	6.6	8.1
15	269	16	4.2	7.4	e2.1	e1.3	e1.5	e.70	2.0	8.8	4.9	6.4
16	193	14	4.1	e6.6	e2.0	e1.3	e1.4	e.65	2.1	7.7	4.3	5.8
17	140	13	4.1	e6.2	e1.9	e1.3	e1.4	e.60	3.3	6.3	7.5	5.0
18	110	12	4.1	e5.8	e1.9	e1.2	e1.3	e.60	16	5.4	8.4	6.3
19	103	10	4.3	e5.4	e1.8	e1.2	e1.2	e.75	15	4.9	8.5	7.1
20	128	9.5	4.5	e5.1	e1.8	e1.2	e1.1	e1.5	37	4.2	18	7.3
21	82	9.0	4.4	e4.8	e1.8	e1.2	e1.0	e3.0	121	5.4	15	7.1
22	59	8.5	4.4	e4.5	e1.8	e1.1	e.98	e6.0	15	5.3	11	6.5
23	51	7.9	4.2	e4.2	e1.7	e1.1	e.96	e4.0	11	4.7	8.9	5.2
24	64	7.6	4.2	e3.9	e1.7	e1.0	e.95	e3.5	9.5	4.4	7.5	3.9
25	56	7.2	4.1	e3.6	e1.7	e1.0	e.94	e3.0	9.5	3.9	6.1	3.5
26	54	6.8	4.0	e3.4	e1.7	e1.0	e.93	e2.8	10	3.3	5.0	3.8
27	50	6.6	3.9	e3.2	e1.6	e1.0	e.92	e2.5	14	3.0	6.6	5.3
28	46	6.4	3.9	e3.0	e1.6	e1.0	e.92	e2.2	25	2.7	7.6	4.3
29	42	6.2	3.8	e2.9	e1.6	e1.1	e.91	e2.4	20	2.6	8.5	3.5
30	38	6.2	3.7	e2.8	---	e1.1	e.91	e2.5	17	2.7	7.1	3.9
31	36	---	3.7	e2.8	---	e1.2	---	e2.7	---	3.1	5.8	---
TOTAL	2973	518.9	140.6	177.6	62.6	38.9	36.02	51.21	356.5	285.3	231.0	276.1
MEAN	95.9	17.3	4.54	5.73	2.16	1.25	1.20	1.65	11.9	9.20	7.45	9.20
MAX	269	37	5.9	9.0	3.0	1.6	1.7	6.0	121	36	18	42
MIN	35	6.2	3.7	2.8	1.6	1.0	.91	.60	1.6	2.6	3.3	2.0
AC-FT	5900	1030	279	352	124	77	71	102	707	566	458	548

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1996, BY WATER YEAR (WY)

MEAN	22.2	6.29	3.86	4.07	3.16	2.31	2.10	1.44	8.37	14.7	19.0	21.8
MAX	95.9	17.3	9.61	9.45	6.87	4.90	5.56	6.41	28.9	39.1	46.1	52.6
(WY)	1996	1996	1995	1995	1995	1993	1993	1991	1992	1995	1995	1995
MIN	4.05	1.63	1.02	1.33	.95	.91	.11	.18	.43	.90	5.16	9.20
(WY)	1990	1990	1993	1989	1989	1990	1990	1989	1988	1988	1989	1996

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1987 - 1996

ANNUAL TOTAL	8956.87	5147.73	
ANNUAL MEAN	24.5	14.1	9.45
HIGHEST ANNUAL MEAN			17.2 1995
LOWEST ANNUAL MEAN			3.18 1989
HIGHEST DAILY MEAN	269 Oct 15	269 Oct 15	269 Oct 15 1995
LOWEST DAILY MEAN	.32 Jun 1	.60 May 17	.00 Jun 5 1989
ANNUAL SEVEN-DAY MINIMUM	.47 May 26	.69 May 13	.00 Jun 5 1989
INSTANTANEOUS PEAK FLOW		345 Oct 15	345 Oct 15 1995
INSTANTANEOUS PEAK STAGE		10.18 Oct 15	11.09 Jun 28 1992
INSTANTANEOUS LOW FLOW		.60 May 17	.00 Jun 5 1989
ANNUAL RUNOFF (AC-FT)	17770	10210	6850
10 PERCENT EXCEEDS	70	35	21
50 PERCENT EXCEEDS	7.9	4.2	3.6
90 PERCENT EXCEEDS	1.1	1.1	.70

e Estimated

02291580 NORTH BRANCH ESTERO RIVER AT ESTERO, FL

LOCATION.--Lat 26°26'30", long 81°47'45", in NE1/4 sec.27, T.46 S., R.27 E., Lee County, Hydrologic Unit 03090204, (Estero Quadrangle) on right bank behind house at east end of Broadway Road, 0.6 mi east of railroad tracks, 0.6 mi upstream of gage site for Estero Road at Estero and 3.5 mi upstream from mouth of River.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 9 complete water years of discharge (1988-96).

STATION NUMBER 02291580												
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.31	9.86	7.94	7.53	7.54	7.25	---	---	7.34	9.42	8.34	8.43
2	9.20	9.79	7.88	7.56	7.54	7.39	---	---	7.33	9.11	8.30	8.36
3	9.26	9.68	7.84	7.75	7.58	7.48	---	---	7.31	8.89	8.33	8.28
4	9.49	9.49	7.80	8.22	7.58	7.45	---	---	7.25	8.74	8.32	8.21
5	11.53	9.29	7.76	8.33	7.57	7.41	---	---	7.19	9.45	8.34	8.19
6	13.24	9.14	7.72	8.38	7.56	7.37	---	---	7.13	10.08	8.30	8.10
7	12.97	9.04	7.69	8.57	7.54	7.32	---	---	7.07	9.59	8.26	8.46
8	12.68	8.96	7.66	8.62	7.53	7.30	---	---	7.08	9.21	8.25	8.75
9	12.67	8.91	7.60	8.48	7.53	7.28	---	---	7.53	8.98	8.24	8.92
10	12.42	8.91	7.57	8.42	7.53	7.30	---	---	7.57	8.86	8.40	9.44
11	12.44	8.89	7.52	8.42	7.52	7.45	---	---	7.59	8.73	8.64	9.11
12	12.15	8.75	7.52	8.42	7.50	7.48	---	---	7.59	8.65	8.57	9.07
13	11.85	8.59	7.52	8.37	7.48	7.47	---	---	7.61	8.70	8.48	9.06
14	12.03	8.49	7.51	8.27	7.48	7.45	---	---	7.64	8.80	8.42	8.89
15	13.73	8.40	7.52	8.21	7.50	7.41	---	6.42	7.69	8.69	8.36	8.75
16	13.44	8.35	7.51	8.19	7.49	7.36	---	6.42	7.97	8.61	8.39	8.67
17	13.34	8.39	7.51	8.18	7.47	7.31	---	6.42	8.23	8.54	8.63	8.61
18	13.35	8.42	7.51	8.17	7.46	7.26	---	6.42	9.24	8.47	8.63	8.56
19	13.08	8.38	7.55	8.18	7.46	7.23	---	6.48	8.96	8.40	8.60	8.54
20	12.85	8.33	7.54	8.13	7.46	7.19	---	6.79	9.03	8.53	8.77	8.53
21	12.60	8.37	7.52	8.06	7.44	7.16	---	6.99	9.66	8.71	8.66	8.61
22	12.31	8.36	7.53	7.94	7.42	7.13	---	7.33	10.85	8.84	8.56	9.05
23	12.04	8.26	7.56	7.84	7.40	7.12	---	7.34	10.72	8.82	8.61	8.98
24	11.75	8.14	7.56	7.76	7.38	7.12	---	7.34	10.26	8.77	8.84	8.83
25	11.42	8.06	7.56	7.68	7.36	7.09	---	7.34	9.82	8.68	8.69	8.70
26	10.99	8.01	7.54	7.60	7.33	7.05	---	7.34	9.65	8.58	8.59	8.61
27	10.62	7.97	7.52	7.55	7.30	7.03	---	7.34	10.27	8.50	8.57	8.54
28	10.36	7.94	7.52	7.54	7.27	7.28	---	7.34	11.34	8.42	8.50	8.51
29	10.15	8.00	7.51	7.54	7.25	7.36	---	7.34	10.41	8.36	8.45	8.52
30	9.91	8.01	7.51	7.54	---	7.37	---	7.34	9.92	8.31	8.43	8.62
31	9.78	---	7.52	7.54	---	7.35	---	7.34	---	8.38	8.49	---
TOTAL	362.96	259.18	235.52	248.99	216.47	226.22	---	---	257.25	272.82	262.96	259.90
MEAN	11.71	8.64	7.60	8.03	7.46	7.30	---	---	8.57	8.80	8.48	8.66
MAX	13.73	9.86	7.94	8.62	7.58	7.48	---	---	11.34	10.08	8.84	9.44
MIN	9.20	7.94	7.51	7.53	7.25	7.03	---	---	7.07	8.31	8.24	8.10

02291580 NORTH BRANCH ESTERO RIVER AT ESTERO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	36	.86	.05	.06	.00	e.00	e.00	.00	30	2.0	2.5
2	17	33	.59	.07	.06	.00	e.00	e.00	.00	21	1.7	1.9
3	18	30	.45	.60	.08	.01	e.00	e.00	.00	15	1.9	1.3
4	24	24	.32	3.4	.09	.00	e.00	e.00	.00	12	1.8	.88
5	142	19	.23	4.5	.08	.00	e.00	e.00	.00	28	1.9	.84
6	261	16	.17	5.0	.07	.00	e.00	e.00	.00	49	1.5	.47
7	238	14	.15	7.4	.05	.00	e.00	e.00	.00	31	1.2	4.4
8	212	12	.12	8.0	.05	.00	e.00	e.00	.01	19	1.2	6.2
9	211	11	.07	6.2	.05	.00	e.00	e.00	.19	14	1.1	10
10	190	11	.05	5.6	.05	.00	e.00	e.00	.27	11	2.4	19
11	192	11	.02	5.6	.04	.00	e.00	e.00	.32	8.9	4.9	12
12	170	8.7	.02	5.5	.03	.02	e.00	e.00	.36	7.5	4.1	11
13	147	6.7	.02	5.1	.02	.01	e.00	e.00	.44	7.9	3.2	11
14	161	5.5	.02	4.1	.01	.01	e.00	e.00	.59	8.9	2.5	8.2
15	308	4.5	.02	3.5	.02	.00	e.00	.00	.95	7.1	2.0	6.3
16	280	4.0	.02	3.3	.01	.00	e.00	.00	3.0	5.9	2.4	5.4
17	270	4.4	.01	3.2	.00	.00	e.00	.00	8.1	4.8	4.7	4.8
18	272	4.7	.01	3.1	.00	.00	e.00	.00	24	3.8	4.8	4.2
19	247	4.3	.05	3.1	.00	.00	e.00	.00	17	3.1	4.5	4.1
20	226	3.8	.04	2.8	.00	.00	e.00	.00	19	4.4	6.5	4.0
21	205	4.2	.03	2.1	.00	.00	e.00	.00	36	6.3	5.0	4.9
22	182	4.0	.04	1.2	.00	.00	e.00	.00	90	8.1	3.9	11
23	161	3.2	.06	.67	.00	.00	e.00	.00	83	7.8	4.6	9.7
24	139	2.1	.06	.36	.00	.00	e.00	.00	60	7.0	7.1	7.6
25	117	1.5	.06	.20	.00	.00	e.00	.00	43	5.9	5.4	6.0
26	91	1.2	.05	.11	.00	.00	e.00	.00	37	4.7	4.2	5.1
27	69	.93	.04	.07	.00	.00	e.00	.00	65	3.7	4.0	4.4
28	56	.79	.04	.06	.00	.00	e.00	.00	121	2.9	3.3	4.0
29	47	1.1	.03	.06	.00	.00	e.00	.00	68	2.2	2.7	4.3
30	37	1.2	.03	.06	---	.00	e.00	.00	47	1.9	2.5	5.3
31	33	---	.04	.06	---	.00	---	.00	---	2.3	3.1	---
TOTAL	4743	283.82	3.72	85.07	0.77	0.05	0.00	0.00	724.23	345.1	102.1	180.79
MEAN	153	9.46	.12	2.74	.027	.002	.000	.000	24.1	11.1	3.29	6.03
MAX	308	36	.86	8.0	.09	.02	.00	.00	121	49	7.1	19
MIN	17	.79	.01	.05	.00	.00	.00	.00	.00	1.9	1.1	.47
AC-FT	9410	563	7.4	169	1.5	.1	.00	.00	1440	685	203	359

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1996, BY WATER YEAR (WY)

MEAN	25.5	6.11	.80	.85	.20	.20	.17	.025	4.02	6.41	11.7	16.3
MAX	153	38.1	4.21	3.82	1.57	1.86	1.42	.25	24.1	30.7	82.4	90.1
(WY)	1996	1988	1988	1995	1995	1987	1987	1987	1996	1992	1995	1995
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1990	1990	1990	1990	1990	1988	1989	1988	1989	1989	1989	1989

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1987 - 1996

ANNUAL TOTAL	10879.41	6468.65	
ANNUAL MEAN	29.8	17.7	6.27
HIGHEST ANNUAL MEAN			17.9
LOWEST ANNUAL MEAN			.000
HIGHEST DAILY MEAN	366	Aug 26	366
LOWEST DAILY MEAN	.00	Feb 26	.00
ANNUAL SEVEN-DAY MINIMUM	.00	Feb 26	.00
INSTANTANEOUS PEAK FLOW			322
INSTANTANEOUS PEAK STAGE			13.86
INSTANTANEOUS LOW FLOW			.00
ANNUAL RUNOFF (AC-FT)	21580	12830	4540
10 PERCENT EXCEEDS	140	36	11
50 PERCENT EXCEEDS	.79	.94	.00
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated

02291597 SOUTH BRANCH ESTERO RIVER AT ESTERO, FL

LOCATION.--Lat 26°25'43", long 81°47'36", in NW1/4 sec.34, T.46 S., R.25 E., Lee County, Hydrologic Unit 03090204, (Estero Quadrangle) near left bank on downstream headwall culvert on Corkscrew Road, 1.0 mi east of US 41 at Estero and 5.2 mi upstream from mouth of Estero River.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

ANNUAL MEAN AND ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 8 complete water years of discharge (1989-96).

STATION NUMBER 02291597
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.28	5.65	3.62	3.53	---	3.41	3.48	3.30	3.78	5.33	4.05	4.01
2	5.20	5.49	3.61	3.54	---	3.51	3.45	3.29	3.74	5.10	4.05	3.98
3	5.42	5.31	3.60	3.73	---	3.53	3.43	3.34	3.72	4.88	4.13	3.95
4	5.57	5.14	3.59	3.75	---	3.50	3.42	3.50	3.70	4.73	4.13	3.92
5	---	4.94	3.58	3.71	---	3.49	3.41	3.49	3.67	5.09	4.15	3.89
6	---	4.77	3.58	3.69	---	3.48	3.40	3.47	3.64	5.84	4.14	3.86
7	---	4.63	3.57	3.80	---	3.47	3.40	3.47	3.60	5.65	4.12	4.04
8	---	4.53	3.57	3.85	---	3.45	3.44	3.45	3.68	5.34	4.10	4.25
9	---	4.44	3.56	3.84	---	3.43	3.47	3.42	4.13	5.12	4.08	4.23
10	---	4.32	3.55	3.82	---	3.44	3.48	3.41	3.98	4.93	4.12	4.85
11	---	4.26	3.54	3.79	---	3.48	3.45	3.40	3.92	4.82	4.32	4.79
12	---	4.19	3.54	3.78	---	3.48	3.43	3.40	3.88	4.77	4.41	4.70
13	---	4.12	3.53	3.80	---	3.46	3.41	3.37	3.90	---	4.35	4.79
14	---	4.06	3.53	3.76	---	3.45	3.40	3.36	3.94	---	4.25	4.62
15	---	3.99	3.53	3.74	---	3.44	3.40	3.35	4.03	---	4.15	4.41
16	---	3.92	3.52	---	---	3.43	3.38	3.34	4.48	---	4.14	4.27
17	---	3.88	3.51	---	---	3.42	3.36	3.34	4.92	---	4.28	4.27
18	---	3.85	3.51	---	---	3.40	3.35	3.34	6.02	---	4.30	4.25
19	---	3.82	3.55	---	---	3.39	3.33	3.44	5.60	4.24	4.27	4.21
20	---	3.79	3.58	---	---	3.37	3.32	3.71	5.33	4.21	4.37	4.18
21	---	3.78	3.57	---	---	3.36	3.30	3.87	5.38	4.41	4.37	4.37
22	---	3.75	3.55	---	---	3.36	3.30	4.00	5.51	4.57	4.29	4.57
23	---	3.71	3.56	---	3.45	3.35	3.30	3.95	5.76	4.54	4.24	4.65
24	---	3.69	3.55	---	3.45	3.34	3.29	3.91	5.72	4.53	4.29	4.51
25	---	3.67	3.53	---	3.44	3.34	3.29	3.89	5.42	4.47	4.24	4.35
26	---	3.66	3.52	---	3.43	3.33	3.28	3.87	5.10	4.35	4.17	4.22
27	---	3.64	3.52	---	3.42	3.33	3.28	3.86	5.10	4.24	4.14	4.14
28	6.83	3.62	3.52	---	3.42	3.53	3.27	3.84	5.68	4.15	4.12	4.08
29	6.40	3.63	3.51	---	3.41	3.51	3.27	3.83	5.69	4.08	4.09	4.08
30	5.96	3.64	3.51	---	---	3.49	3.29	3.83	5.60	4.03	4.06	4.14
31	5.62	---	3.52	---	---	3.48	---	3.81	---	4.03	4.03	---
TOTAL	---	125.89	110.03	---	---	106.45	101.08	110.85	138.62	---	129.95	128.58
MEAN	---	4.20	3.55	---	---	3.43	3.37	3.58	4.62	---	4.19	4.29
MAX	---	5.65	3.62	---	---	3.53	3.48	4.00	6.02	---	4.41	4.85
MIN	---	3.62	3.51	---	---	3.33	3.27	3.29	3.60	---	4.03	3.86

02291597 SOUTH BRANCH ESTERO RIVER AT ESTERO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	70	3.6	2.6	e2.9	.51	.60	.00	2.0	54	3.9	4.6
2	47	63	3.4	2.7	e2.7	1.0	.50	.00	1.8	45	3.8	4.2
3	55	57	3.3	5.2	e3.0	1.0	.41	.04	1.7	35	4.6	3.9
4	61	51	3.3	5.3	e3.1	.91	.36	.25	1.6	29	4.5	3.5
5	e250	43	3.2	4.7	e2.9	.80	.32	.20	1.5	44	4.5	3.1
6	e340	35	3.1	4.4	e2.7	.81	.28	.16	1.3	74	4.2	2.7
7	e320	30	3.1	6.2	e2.5	.76	.27	.15	1.1	66	3.8	6.5
8	e300	26	3.0	7.1	e2.5	.71	.36	.11	2.5	53	3.5	8.7
9	e280	23	2.9	6.9	e2.4	.61	.47	.06	7.5	45	3.4	8.3
10	e260	19	2.9	6.4	e2.4	.66	.47	.05	5.2	36	4.1	28
11	e250	17	2.8	6.1	e2.3	.82	.37	.04	4.3	31	8.0	26
12	e240	15	2.7	5.9	e2.1	.82	.29	.03	3.9	29	10	22
13	e230	13	2.7	6.2	e1.9	.73	.25	.01	4.3	e40	8.8	25
14	e280	11	2.6	5.6	e1.7	.73	.21	.00	5.0	e50	7.0	18
15	e400	9.7	2.6	5.2	e1.5	.69	.20	.00	7.2	e45	5.3	11
16	e370	8.4	2.5	e5.0	e1.3	.65	.15	.00	17	e30	5.3	8.0
17	e350	7.6	2.5	e4.8	e1.1	.60	.12	.00	36	e20	7.9	7.8
18	e360	7.0	2.4	e4.6	e.98	.55	.10	.01	82	e14	8.3	7.3
19	e340	6.4	2.8	e4.5	e.90	.48	.07	.33	63	11	7.8	6.6
20	e310	6.0	3.2	e4.4	e.82	.43	.05	.96	52	9.8	10	6.0
21	e270	5.8	3.0	e4.2	e.95	.39	.04	2.6	54	15	10	9.4
22	e240	5.3	2.9	e4.0	e.67	.36	.03	3.7	59	20	8.8	14
23	e200	4.8	2.9	e3.8	.62	.34	.02	3.0	70	18	7.7	16
24	e180	4.5	2.8	e3.6	.60	.29	.01	2.6	68	18	8.8	12
25	e165	4.2	2.7	e3.4	.57	.28	.01	2.4	56	16	8.1	8.6
26	e150	4.0	2.6	e3.3	.56	.25	.00	2.4	45	12	6.8	6.0
27	e140	3.8	2.5	e3.2	.55	.25	.00	2.3	45	8.3	6.4	4.8
28	124	3.6	2.5	e3.1	.54	.93	.00	2.3	67	6.4	6.0	3.8
29	102	3.7	2.5	e3.1	.52	.80	.00	2.2	67	5.0	5.6	3.7
30	83	3.8	2.4	e3.0	---	.71	.00	2.3	63	4.2	5.2	4.4
31	68	---	2.5	e3.0	---	.65	---	2.2	---	4.0	4.9	---
TOTAL	6815	561.6	87.9	141.5	47.28	19.52	5.96	30.40	894.9	887.7	197.0	293.9
MEAN	220	18.7	2.84	4.56	1.63	.63	.20	.98	29.8	28.6	6.35	9.80
MAX	400	70	3.6	7.1	3.1	1.0	.60	3.7	82	74	10	28
MIN	47	3.6	2.4	2.6	.52	.25	.00	.00	1.1	4.0	3.4	2.7
AC-FT	13520	1110	174	281	94	39	12	60	1780	1760	391	583

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1996, BY WATER YEAR (WY)

MEAN	46.1	10.9	2.17	2.39	1.62	1.86	1.42	.90	7.80	18.2	31.8	37.3
MAX	220	51.8	7.77	8.21	4.21	11.6	8.66	4.69	29.8	60.7	126	142
(WY)	1996	1988	1995	1995	1995	1987	1987	1987	1996	1992	1995	1995
MIN	4.87	.61	.30	.30	.27	.13	.079	.089	.17	1.17	2.60	4.91
(WY)	1989	1993	1991	1990	1990	1990	1990	1990	1988	1988	1989	1990

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1987 - 1996

ANNUAL TOTAL	17755.30	9982.66	
ANNUAL MEAN	48.6	27.3	
HIGHEST ANNUAL MEAN			13.5
LOWEST ANNUAL MEAN			33.6
HIGHEST DAILY MEAN	410	Aug 26	410
LOWEST DAILY MEAN	.31	May 18	.00
ANNUAL SEVEN-DAY MINIMUM	.32	May 26	.00
INSTANTANEOUS PEAK FLOW			420
INSTANTANEOUS PEAK STAGE			12.60
INSTANTANEOUS LOW FLOW			.00
ANNUAL RUNOFF (AC-FT)	35220	19800	9760
10 PERCENT EXCEEDS	194	63	38
50 PERCENT EXCEEDS	4.5	3.8	1.8
90 PERCENT EXCEEDS	.44	.25	.21

e Estimated

02291669 SIXMILE CYPRESS CREEK NORTH NEAR FORT MYERS, FL

LOCATION.--Lat 26°31'20", long 81°51'17", in NW1/4 sec.31, T.45 S., R.25 E., Lee County, Hydrologic Unit 03090204, 200 ft upstream from Tenmile Canal, 2,200 ft north of Briarcliff Road, 6.9 mi north of Estero, and 7.2 mi south of Ft. Myers.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1987 to 1990, 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow can be regulated by vertical gate valves, one on either side of control weir. When gate valves are opened, estimated discharge is poor. New control weir constructed in 1991, gate is set to previous datum.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 6 complete water years of discharge (1989-90, 1993-96).

STATION NUMBER 02291669
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	11.34	11.05	7.86	10.59	6.34	6.65	5.70	---	---	11.00	11.19
2	---	11.35	11.02	8.42	10.42	6.58	6.55	5.69	---	11.20	11.05	11.17
3	---	11.33	10.99	9.70	10.35	6.92	6.41	5.71	---	11.16	11.24	11.15
4	---	11.31	10.94	10.69	10.54	6.93	6.28	5.84	---	11.13	11.26	11.13
5	---	11.28	10.89	11.08	10.67	7.17	6.19	5.88	---	11.14	11.26	11.12
6	---	11.26	10.81	11.11	10.73	7.41	6.11	5.83	---	11.14	11.24	11.12
7	---	11.23	10.69	11.13	10.74	7.42	6.04	5.78	---	11.14	11.23	11.15
8	---	11.20	10.53	11.12	10.72	7.25	6.14	5.74	---	11.14	11.26	11.14
9	---	11.19	10.33	11.12	10.63	6.95	6.41	5.70	---	11.14	11.27	11.13
10	---	11.18	10.10	11.12	10.49	6.72	6.50	5.68	---	11.14	11.31	11.15
11	---	11.16	9.80	11.12	10.31	6.66	6.59	5.67	---	11.14	11.33	11.24
12	11.67	11.16	9.50	11.12	10.07	6.66	7.00	5.65	---	11.14	11.34	11.26
13	11.65	11.14	9.20	11.12	9.75	7.04	7.12	5.63	---	11.12	11.33	11.26
14	11.64	11.14	8.89	11.12	9.39	7.44	7.00	5.61	---	11.12	11.29	11.26
15	11.67	11.13	8.60	11.12	9.02	7.46	6.83	5.61	---	11.12	11.26	11.24
16	11.68	11.12	8.34	11.12	8.68	7.24	6.69	5.61	---	11.12	11.26	11.22
17	11.70	11.10	8.11	11.11	8.35	6.96	6.55	5.61	---	11.12	11.24	11.24
18	11.73	11.10	7.90	11.11	8.06	6.73	6.42	5.61	---	11.12	11.22	11.23
19	11.71	11.10	7.83	11.11	7.86	6.58	6.28	5.61	---	11.11	11.24	11.21
20	11.69	11.10	7.88	11.10	7.61	6.42	6.16	5.63	---	11.11	11.28	11.18
21	11.67	11.10	8.15	11.09	7.22	6.28	6.06	5.65	---	11.10	11.27	11.19
22	11.65	11.09	8.42	11.09	7.00	6.17	5.97	5.72	---	11.09	11.26	11.17
23	11.64	11.09	8.62	11.08	6.83	6.09	5.90	5.75	---	11.08	11.25	11.15
24	11.59	11.09	8.71	11.08	6.70	6.04	5.86	5.80	---	11.07	11.23	11.14
25	11.55	11.09	8.70	11.06	6.57	6.02	5.83	5.80	---	11.05	11.22	11.12
26	11.51	11.08	8.59	11.04	6.48	6.01	5.80	5.81	---	11.04	11.23	11.10
27	11.46	11.07	8.41	11.01	6.42	6.00	5.77	5.82	---	11.02	11.28	11.09
28	11.42	11.06	8.20	10.96	6.40	6.49	5.75	5.84	---	10.99	11.26	11.07
29	11.39	11.05	8.00	10.90	6.37	6.67	5.72	5.85	---	10.94	11.25	11.09
30	11.35	11.06	7.85	10.83	---	6.72	5.69	---	---	10.91	11.24	11.15
31	11.32	---	7.84	10.73	---	6.72	---	---	---	10.99	11.21	---
TOTAL	---	334.70	284.89	335.37	254.97	208.09	188.27	---	---	---	348.61	335.06
MEAN	---	11.16	9.19	10.82	8.79	6.71	6.28	---	---	---	11.25	11.17
MAX	---	11.35	11.05	11.13	10.74	7.46	7.12	---	---	---	11.34	11.26
MIN	---	11.05	7.83	7.86	6.37	6.00	5.69	---	---	---	11.00	11.07

02291669 SIXMILE CYPRESS CREEK NORTH NEAR FORT MYERS, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e60	107	7.1	.00	.00	.00	.00	.00	e.00	e60	5.5	52
2	e55	109	4.5	.00	.00	.00	.00	.00	e.00	49	15	45
3	e50	101	2.2	.00	.00	.00	.00	.00	e.00	35	70	39
4	e80	91	.38	.24	.00	.00	.00	.00	e.00	27	78	35
5	e120	81	.00	7.0	.00	.00	.00	.00	e.00	28	81	32
6	e170	70	.00	10	.00	.00	.00	.00	e.00	26	74	32
7	e240	59	.00	13	.00	.00	.00	.00	e.10	26	72	42
8	e260	51	.00	12	.00	.00	.00	.00	e1.0	26	82	38
9	e270	48	.00	12	.00	.00	.00	.00	e3.0	24	87	36
10	e280	43	.00	12	.00	.00	.00	.00	e2.5	24	99	41
11	e300	36	.00	12	.00	.00	.00	.00	e1.8	24	109	73
12	286	33	.00	10	.00	.00	.00	.00	e1.3	20	112	81
13	277	30	.00	10	.00	.00	.00	.00	e1.5	18	106	81
14	272	28	.00	10	.00	.00	.00	.00	e2.0	17	92	80
15	289	26	.00	10	.00	.00	.00	.00	e5.0	15	83	74
16	296	23	.00	10	.00	.00	.00	.00	e15	15	82	66
17	316	20	.00	9.4	.00	.00	.00	.00	e35	15	73	74
18	339	19	.00	9.9	.00	.00	.00	.00	e60	13	68	71
19	324	19	.00	10	.00	.00	.00	.00	e40	12	75	62
20	307	17	.00	9.3	.00	.00	.00	.00	e30	12	89	52
21	288	17	.00	9.0	.00	.00	.00	.00	e35	12	87	58
22	279	16	.00	8.2	.00	.00	.00	.00	e45	11	82	49
23	267	15	.00	7.5	.00	.00	.00	.00	e50	11	78	44
24	238	15	.00	7.6	.00	.00	.00	.00	e35	9.1	72	39
25	208	14	.00	6.5	.00	.00	.00	.00	e25	8.1	66	34
26	185	13	.00	4.5	.00	.00	.00	.00	e20	6.5	71	30
27	161	12	.00	2.4	.00	.00	.00	.00	e35	5.4	90	25
28	143	11	.00	.55	.00	.00	.00	.00	e70	3.4	82	22
29	126	8.1	.00	.00	.00	.00	.00	.00	e100	.92	77	27
30	110	8.5	.00	.00	---	.00	.00	e.00	e75	.33	72	44
31	99	---	.00	.00	---	.00	---	e.00	---	4.0	62	---
TOTAL	6695	1140.6	14.18	213.09	0.00	0.00	0.00	0.00	688.20	557.75	2391.5	1478
MEAN	216	38.0	.46	6.87	.000	.000	.000	.000	22.9	18.0	77.1	49.3
MAX	339	109	7.1	13	.00	.00	.00	.00	100	60	112	81
MIN	50	8.1	.00	.00	.00	.00	.00	.00	.00	.33	5.5	22
AC-FT	13280	2260	28	423	.00	.00	.00	.00	1370	1110	4740	2930

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1996, BY WATER YEAR (WY)

MEAN	52.8	9.21	.97	3.27	1.71	1.68	.055	.044	9.90	33.6	91.8	76.2
MAX	216	38.0	6.47	13.7	7.78	13.4	.21	.31	42.1	153	195	238
(WY)	1996	1996	1995	1995	1994	1993	1995	1994	1992	1992	1995	1995
MIN	2.45	.000	.000	.000	.000	.000	.000	.000	.000	.079	2.79	32.0
(WY)	1990	1993	1990	1989	1989	1990	1988	1988	1988	1988	1993	1992

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1987 - 1996	
ANNUAL TOTAL	23983.54		13178.32			
ANNUAL MEAN	65.7		36.0		22.2	
HIGHEST ANNUAL MEAN					47.2	
LOWEST ANNUAL MEAN					1.19	
HIGHEST DAILY MEAN	860	Aug 27	339	Oct 18	860	Aug 27 1995
LOWEST DAILY MEAN	.00	Feb 28	.00	Dec 5	.00	Jan 17 1988
ANNUAL SEVEN-DAY MINIMUM	.00	Feb 28	.00	Dec 5	.00	Feb 25 1988
INSTANTANEOUS PEAK FLOW			339	Oct 17	1830	Aug 11 1988
INSTANTANEOUS PEAK STAGE			11.73	Oct 17	12.12	Aug 27 1995
INSTANTANEOUS LOW FLOW			.00	Dec 4	.00	Jan 17 1988
ANNUAL RUNOFF (AC-FT)	47570		26140		16090	
10 PERCENT EXCEEDS	239		91		66	
50 PERCENT EXCEEDS	8.8		6.5		.00	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated

LOCATION.--Lat 26°31'04", long 81°51'18", in NE1/4 sec. 1, T.46 S., R.24 E., Lee County, Hydrologic Unit 03090204, on left bank 200 ft upstream of weir, 1.05 mi north of Alico Road, 2.4 mi upstream from mouth and 6.5 mi northwest of Estero.

PERIOD OF RECORD.--December 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (State Department of Transportation bench mark).

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 7 complete water years of discharge (1990-96).

[illegible]

02291673 TENMILE CANAL AT CONTROL NEAR ESTERO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e240	e180	e6.0	e.52	e23	2.3	e13	e1.4	e9.0	203	99	103
2	e200	e190	e5.5	e.51	e22	7.8	e12	e1.4	e8.5	168	84	91
3	e180	e180	e5.0	e.50	e21	18	e11	e1.3	e8.0	118	150	84
4	e300	e170	e4.5	e3.0	e20	17	e10	e1.2	e7.5	81	155	77
5	e450	e155	e4.0	e50	e19	e15	e9.5	e1.1	e7.0	106	160	93
6	e600	e140	e3.5	e80	e18	e14	e9.0	e1.0	e6.5	e163	159	90
7	e800	e125	e3.0	e100	e17	e13	e8.5	e.90	e6.0	e150	144	105
8	e810	e115	e2.7	e98	e15	e12	e8.0	e.81	e10	e140	207	95
9	e850	e105	e2.5	e95	e14	e11	e7.2	e.72	e20	e125	210	114
10	e880	e95	e2.3	e92	e13	e10	e6.5	e.63	e18	e110	237	181
11	e900	e86	e2.1	e89	e11	e9.0	e5.7	e.55	e14	e100	256	203
12	e870	e78	e1.9	e86	e10	e8.5	e5.0	e.47	e12	e90	247	221
13	e830	e70	e1.7	e83	e9.5	e8.0	e4.6	e.40	e15	e80	200	195
14	e800	41	e1.5	e80	e9.0	e7.5	e4.3	e.35	e20	e70	166	169
15	e840	44	e1.3	e77	e8.5	e7.0	e4.0	e.30	e40	e60	139	151
16	e900	37	e1.2	e75	e8.0	e6.5	e3.7	.26	e80	e50	140	160
17	e950	33	e1.1	e73	e7.5	e6.0	e3.5	.22	e200	e40	110	177
18	e1000	29	e1.0	71	e6.8	e5.6	e3.3	.20	e350	e30	104	163
19	e920	28	e.92	63	e6.0	e5.2	e3.1	.43	e220	25	134	140
20	e850	26	e.86	60	e5.4	e4.9	e2.9	.33	e180	51	227	123
21	e750	27	e.80	53	e4.9	e4.6	e2.7	8.9	e210	62	211	131
22	e660	26	e.75	50	e4.6	e4.3	e2.5	47	e250	37	190	111
23	e600	24	e.70	48	4.3	4.4	e2.3	e37	e290	34	188	104
24	e550	e23	e.67	e45	4.2	4.0	e2.1	e20	e280	30	148	89
25	e480	e18	e.64	e42	3.8	3.5	e2.0	e15	e230	24	122	73
26	e370	e15	e.62	e39	3.3	2.9	e1.9	e10	e210	17	138	59
27	e290	e12	e.60	e36	2.9	2.2	e1.8	e8.0	e250	13	219	50
28	e250	e10	e.58	e32	2.8	15	e1.7	e8.5	e380	8.6	183	46
29	e220	e8.5	e.56	e28	2.7	e22	e1.6	e9.0	283	6.6	150	71
30	e190	e7.0	e.55	e26	---	e18	e1.5	e10	255	44	142	165
31	e170	---	e.53	e24	---	e15	---	e9.5	---	151	111	---
TOTAL	18700	2097.5	59.58	1699.53	297.2	284.2	154.9	196.87	3869.5	2387.2	5130	3634
MEAN	603	69.9	1.92	54.8	10.2	9.17	5.16	6.35	129	77.0	165	121
MAX	1000	190	6.0	100	23	22	13	47	380	203	256	221
MIN	170	7.0	.53	.50	2.7	2.2	1.5	.20	6.0	6.6	84	46
AC-FT	37090	4160	118	3370	589	564	307	390	7680	4740	10180	7210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1996, BY WATER YEAR (WY)

MEAN	153	37.0	9.84	23.3	15.0	9.13	6.16	13.8	80.5	176	269	241
MAX	603	118	56.4	54.8	43.7	41.1	14.6	107	212	676	555	827
(WY)	1996	1994	1995	1996	1993	1993	1994	1991	1991	1991	1990	1995
MIN	14.7	2.84	.91	.020	.000	1.85	.010	.000	.48	3.90	35.3	68.8
(WY)	1989	1990	1991	1989	1989	1990	1990	1988	1988	1988	1993	1988

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1987 - 1996

ANNUAL TOTAL	74841.53	38510.48	
ANNUAL MEAN	205	105	82.5
HIGHEST ANNUAL MEAN			165
LOWEST ANNUAL MEAN			4.87
HIGHEST DAILY MEAN	1940	Aug 26	1940
LOWEST DAILY MEAN	.00	May 18	.00
ANNUAL SEVEN-DAY MINIMUM	.00	May 18	.00
INSTANTANEOUS PEAK FLOW		1100	1950
INSTANTANEOUS PEAK STAGE			8.34
INSTANTANEOUS LOW FLOW		.18	.00
ANNUAL RUNOFF (AC-FT)	148400	76390	59760
10 PERCENT EXCEEDS	804	238	240
50 PERCENT EXCEEDS	27	25	10
90 PERCENT EXCEEDS	.61	1.3	.02

e Estimated

02292000 CALOOSAHATCHEE CANAL AT MOORE HAVEN, FL

LOCATION.--Lat 26°50'22", long 81°05'15", in NW1/4NW1/4 sec.12, T.42 S., R.32 E., Glades County, Hydrologic Unit 03090205, on right bank, on the dock 50 ft. below the boat house at downstream side of hurricane gate structure and lock 1 at Lake Okeechobee outlet, 0.1 mi west of control structure 77, 0.45 mi upstream from US 27, and 15 mi upstream from lock 2.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May to September 1913 (discharge measurements), October 1938 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1938, published as Threemile Canal near Ritta.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Jan. 17, 1952, at site 0.5 mi downstream, at datum 1.44 ft. lower. Jan. 17, 1952 to Sept. 30, 1966, at site 0.5 mi downstream at present datum. October 1938 to September 1966, auxiliary water-stage recorder 0.2 mi upstream from Lake Hicpochee and 3.0 mi downstream. Since October 1966, auxiliary water-stage recorder on upstream side of hurricane gate structure and lock 1. Prior to May 12, 1992 digital water-stage recorder.

REMARKS.--No estimated daily discharges. Records poor. Flow regulated by operation of control structure S-77 at Lake Okeechobee.

COOPERATION.--Gate-opening record provided by U.S. Army Corps of Engineers.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS--Figures represent 58 complete water years of discharge (1939-96).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 15.76 ft Sept. 27, 1948; minimum, 5.8 ft present datum, estimated Aug. 8, 1940.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 12.02 ft. Oct. 8; minimum, 10.52 ft. Jan. 28.

STATION NUMBER 02292000
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.52	11.53	11.45	11.30	11.05	11.31	11.14	10.92	10.83	10.96	11.10	11.06
2	11.52	11.50	11.61	11.30	11.14	11.33	11.12	11.02	10.85	11.01	11.20	10.90
3	11.72	11.45	11.40	11.30	11.14	11.35	11.24	11.14	11.00	11.13	11.14	10.88
4	11.29	11.44	11.22	11.22	11.07	11.34	11.04	10.93	10.88	11.03	11.14	10.93
5	11.00	11.46	11.29	11.17	10.94	11.29	11.01	10.94	11.14	11.12	11.14	10.85
6	11.40	11.45	11.18	11.18	10.98	11.38	11.02	10.93	11.09	11.31	11.10	10.87
7	11.73	11.37	11.00	11.21	11.08	11.48	10.97	10.82	10.85	10.97	11.14	10.84
8	11.85	11.42	10.99	11.21	11.16	11.06	10.98	11.02	11.10	10.95	10.91	11.11
9	11.39	11.33	11.14	11.15	11.24	11.03	10.89	11.18	11.22	11.02	11.20	11.00
10	11.40	11.64	11.16	11.29	11.30	11.21	11.13	11.12	11.02	10.93	11.24	11.08
11	11.37	11.48	11.33	11.33	11.29	11.27	11.12	10.98	10.90	11.01	11.12	10.97
12	11.34	11.56	11.46	11.03	11.28	11.18	11.12	11.10	11.12	10.90	11.05	10.90
13	11.36	11.57	11.34	11.21	11.24	11.28	11.04	11.11	11.07	11.29	10.91	10.89
14	11.56	11.42	11.25	11.11	11.19	11.16	11.01	10.96	11.02	11.27	10.89	10.83
15	11.65	11.31	11.13	11.00	11.20	11.20	11.10	11.04	10.98	11.08	10.90	10.90
16	11.44	11.41	10.99	11.16	11.22	11.17	11.00	11.06	10.97	11.00	11.18	10.88
17	11.33	11.22	11.30	11.07	10.91	10.98	10.97	10.91	11.06	10.94	10.95	10.93
18	11.10	11.36	11.25	11.02	11.21	11.09	11.03	10.96	11.00	11.08	10.89	11.15
19	11.40	11.25	11.23	11.17	11.42	11.28	11.00	11.21	10.98	11.01	10.97	11.22
20	11.71	11.23	11.11	11.20	11.31	10.98	11.01	11.06	10.98	11.00	11.11	11.15
21	11.71	11.30	11.24	11.21	11.30	11.05	11.01	11.14	10.99	10.87	10.95	11.09
22	11.57	11.31	11.27	11.16	11.26	11.28	11.12	11.12	10.88	10.97	11.11	11.07
23	11.68	11.18	11.26	11.01	11.18	11.09	11.15	11.05	11.14	11.05	11.03	11.05
24	11.65	11.23	11.30	11.00	11.10	11.12	11.13	10.99	11.09	11.18	10.97	10.91
25	11.79	11.20	11.14	10.91	11.02	11.24	11.00	11.11	10.97	11.28	10.93	10.87
26	11.70	11.16	11.15	11.02	10.92	10.98	11.02	11.18	11.03	11.36	11.04	11.05
27	11.54	11.19	11.22	11.05	11.07	11.08	11.00	11.03	11.04	11.22	11.03	11.07
28	11.55	11.27	11.23	10.90	11.24	11.34	10.98	11.01	11.15	11.44	11.14	11.13
29	11.46	11.43	11.20	11.00	11.30	11.35	11.09	11.11	11.07	11.24	11.11	11.14
30	11.49	11.12	11.14	11.13	---	11.07	11.08	11.05	11.03	11.34	11.02	11.12
31	11.54	---	11.14	11.21	---	11.26	---	10.85	---	11.42	10.95	---
TOTAL	356.76	340.79	348.12	345.23	323.76	347.23	331.52	342.05	330.45	344.38	342.56	329.84
MEAN	11.51	11.36	11.23	11.14	11.16	11.20	11.05	11.03	11.01	11.11	11.05	10.99
MAX	11.85	11.64	11.61	11.33	11.42	11.48	11.24	11.21	11.22	11.44	11.24	11.22
MIN	11.00	11.12	10.99	10.90	10.91	10.98	10.89	10.82	10.83	10.87	10.89	10.83

02292000 CALOOSAHATCHEE CANAL AT MOORE HAVEN, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4500	6950	4360	3140	2810	291	.00	61	.00	503	417	.00
2	4520	6910	5710	2670	2240	50	.00	279	.00	1340	.00	.00
3	4400	6560	5400	2140	1770	.00	.00	66	.00	3500	.00	.00
4	3110	6230	4440	1720	1410	.00	.00	29	.00	4730	.00	.00
5	.00	6230	3400	1280	952	.00	.00	179	.00	4050	.00	228
6	3230	6190	2440	826	199	.00	.00	179	.00	3260	.00	185
7	4460	6180	1480	469	.00	.00	.00	345	247	2630	.00	274
8	4530	6120	1130	383	.00	.00	.00	578	309	1830	.00	64
9	4630	6240	1110	883	.00	.00	.00	565	.00	1020	.00	.00
10	4490	6140	1470	2310	.00	.00	.00	474	.00	586	.00	.00
11	4520	6190	3490	3140	.00	.00	2160	528	.00	497	.00	.00
12	4540	6110	4670	2750	.00	.00	3310	359	828	1360	.00	.00
13	4540	6100	4160	2240	.00	.00	2840	240	2410	3440	.00	.00
14	4470	6110	3310	1750	.00	.00	2300	256	3240	4630	.00	193
15	4030	6120	2500	1370	.00	.00	1820	366	2760	4040	.00	272
16	3790	6080	1770	930	.00	.00	1380	505	2230	3320	.00	272
17	3250	5590	1010	580	196	227	941	633	1770	2560	.00	294
18	3420	4580	510	503	578	474	577	661	1420	1790	.00	308
19	4340	4610	399	900	.00	114	497	467	1010	1020	.00	.00
20	4250	4600	906	2400	.00	289	907	217	584	575	.00	.00
21	4700	4470	2390	3270	.00	881	2420	99	485	502	.00	.00
22	5350	4390	3260	2740	.00	236	3250	.00	989	1340	.00	.00
23	6150	4430	2690	2200	.00	83	2760	.00	2460	3320	.00	.00
24	6360	4380	2150	1730	.00	479	2210	.00	3280	4490	.00	45
25	6470	4380	1740	1380	.00	252	1800	.00	2820	4060	.00	342
26	6470	4380	1360	941	47	125	1330	.00	2260	3350	.00	364
27	6650	4400	930	575	179	479	902	.00	1750	2520	.00	360
28	6700	4410	574	508	375	113	561	.00	1300	1740	.00	353
29	7040	4310	497	918	465	.00	475	.00	926	1060	.00	314
30	7020	2680	918	2410	---	.00	250	.00	588	629	.00	260
31	6970	---	2350	3230	---	.00	---	.00	---	547	.00	---
TOTAL	148900.00	162070	72524	52286	11221.00	4093.00	32690.00	7086.00	33666.00	70239	417.00	4128.00
MEAN	4803	5402	2339	1687	387	132	1090	229	1122	2266	13.5	138
MAX	7040	6950	5710	3270	2810	881	3310	661	3280	4730	417	364
MIN	.00	2680	399	383	.00	.00	.00	.00	.00	497	.00	.00
AC-FT	295300	321500	143900	103700	22260	8120	64840	14060	66780	139300	827	8190

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1996, BY WATER YEAR (WY)

MEAN	1032	918	672	794	953	1127	1279	769	636	683	919	605
MAX	4803	5402	4871	5801	5677	7504	7505	3889	3908	3949	7058	5863
(WY)	1996	1996	1948	1970	1983	1983	1983	1954	1970	1947	1974	1995
MIN	.000	5.00	5.00	5.00	.000	5.00	5.00	5.00	-352	-243	-476	-601
(WY)	1994	1969	1978	1969	1994	1987	1962	1979	1974	1990	1981	1981

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1939 - 1996

ANNUAL TOTAL	1063814.00	599320.00	
ANNUAL MEAN	2915	1637	865
HIGHEST ANNUAL MEAN			3716
LOWEST ANNUAL MEAN			10.0
HIGHEST DAILY MEAN	7040	7040	8290
LOWEST DAILY MEAN	.00	.00	-4410
ANNUAL SEVEN-DAY MINIMUM	.00	.00	-1520
ANNUAL RUNOFF (AC-FT)	2110000	1189000	626600
10 PERCENT EXCEEDS	6160	4590	3680
50 PERCENT EXCEEDS	3160	576	10
90 PERCENT EXCEEDS	.00	.00	5.0

PAGE 328

CALOOSAHATCHEE RIVER

02292480 CALOOSAHATCHEE CANAL AT ORTONA LOCK NEAR LA BELLE, FL

LOCATION.--Lat 26°47'22", long 81°18'11", in SW1/4 sec.26, T.42 S., R.30 E., Glades County, Hydrologic Unit 03090205, near right bank, 500 ft upstream from Ortona Lock, 1.4 mi downstream from Long Hammock Creek, and 9.0 mi east of La Belle.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1948 to September 1950 (discharge measurements and gage heights), July 1971 to current year. Records of gage heights and discharge measurements can be found in the files of the U.S. Geological Survey.

REVISED RECORDS.--WDR FL-80-2A: 1979.

GAGE.--Satellite data collection platform with water-stage shaft encoders upstream and downstream of structure S-78. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated discharges, which are poor. Flow regulated by operation of control structures 77 and 78. Satellite data collection platform installed September 7, 1994.

COOPERATION.--Gate-opening record provided by U.S. Army Corps of Engineers.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 24 complete water years of discharge (1972-93, 1995, 1996).

EXTREME STAGES UPSTREAM FOR PERIOD OF RECORD.--Maximum gage height, 12.80 ft June 26, 1974; minimum, 8.60 ft Nov. 3, 1981.

EXTREME STAGES UPSTREAM FOR CURRENT YEAR.--Maximum gage height, 11.58 ft Mar. 5; minimum, 9.96 ft Dec. 7.

REVISIONS.--1995 water year discharge has been revised. The table of discharge for the 1995 water year is below.

SEE THE FOLLOWING PAGE FOR THE TABLE OF DISCHARGE

02292480 CALOOSAHATCHEE CANAL AT ORTONA LOCK NEAR LA BELLE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4320	5060	4420	4770	4800	4520	3980	438	284	14	4920	7580
2	5000	4010	4330	4760	4770	4520	3180	114	193	13	4140	7500
3	7000	3390	4350	4750	4690	2910	3030	13	149	13	5270	7490
4	6920	2480	4320	3750	4110	2470	1890	163	430	169	4510	7530
5	5920	1920	4330	4900	4290	1620	1320	399	1110	139	3430	7560
6	4450	1280	4410	4660	4460	1020	857	585	1630	44	2510	7460
7	3410	638	4470	4860	2720	851	791	356	1530	126	1820	7530
8	2020	231	4480	4770	3960	1150	1500	88	1260	67	1250	7500
9	1420	272	4490	4680	5360	1480	1900	13	114	13	3530	7450
10	1600	13	4490	4450	5140	3370	1900	13	13	72	4530	7480
11	3640	1230	4460	4220	4900	4280	1620	13	13	87	4930	7440
12	6590	2060	4260	4780	3840	4090	1680	13	13	195	5060	7480
13	6890	2100	4180	4980	2760	2970	1460	13	40	791	5040	7480
14	5590	5240	4190	5590	3290	2150	1460	13	229	934	5030	7320
15	3990	4360	4170	5660	3290	1600	955	13	141	652	5010	7020
16	3120	4300	4150	5690	1400	1000	402	13	14	13	4800	6840
17	2170	3830	4180	5310	1470	1650	206	315	13	13	4710	6830
18	1410	2400	4190	4760	3020	1930	579	432	54	1040	4090	6560
19	1320	3180	4200	4780	3750	3230	832	148	427	1700	4440	6560
20	2000	4130	4360	4770	4530	4540	1160	13	1040	1510	4670	6410
21	3300	4650	5850	4690	3000	4220	1150	282	828	1520	5190	6240
22	5750	4680	6950	4210	2770	3680	1250	235	1540	864	5630	6260
23	5460	4660	6740	3980	2410	3220	990	64	1760	718	6020	6310
24	4460	4760	6180	3850	1550	2330	583	330	1860	851	6130	6520
25	3520	4750	5920	3920	1190	1720	420	486	1610	820	3520	6370
26	2240	4550	5800	4200	850	1300	853	387	1430	1740	4200	6470
27	1830	4170	5160	4200	1070	482	818	87	458	2970	5680	6520
28	1450	4180	5290	4200	3510	207	633	254	196	2930	7240	5690
29	600	4170	4870	4230	---	1030	180	13	202	2770	7490	4290
30	1060	4240	4790	4630	---	3260	442	13	260	2840	7500	4810
31	3010	---	4800	4820	---	4260	---	337	---	4220	7440	---
TOTAL	111460	96934	148780	143820	92900	77060	38021	5656	18841	29848	149730	204500
MEAN	3595	3231	4799	4639	3318	2486	1267	182	628	963	4830	6817
MAX	7000	5240	6950	5690	5360	4540	3980	585	1860	4220	7500	7580
MIN	600	13	4150	3750	850	207	180	13	13	13	1250	4290
AC-FT	221100	192300	295100	285300	184300	152800	75410	11220	37370	59200	297000	405600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1995, BY WATER YEAR (WY)

MEAN	679	340	348	691	1034	1104	1022	465	656	804	1423	1094
MAX	4200	3231	4799	4639	6842	8436	7449	2085	2624	3882	8724	6817
(WY)	1980	1995	1995	1995	1983	1983	1983	1983	1982	1974	1974	1995
MIN	40.4	10.1	7.01	8.20	6.16	14.9	37.8	52.3	10.1	.64	.23	12.6
(WY)	1973	1977	1974	1972	1982	1973	1973	1990	1990	1981	1981	1981

SUMMARY STATISTICS

FOR 1995 WATER YEAR

WATER YEARS 1971 - 1995

ANNUAL TOTAL	1117550		
ANNUAL MEAN	3062		824
HIGHEST ANNUAL MEAN			3062
LOWEST ANNUAL MEAN			113
HIGHEST DAILY MEAN	7580	Sep 1	9720
LOWEST DAILY MEAN	13	Nov 10	.00
ANNUAL SEVEN-DAY MINIMUM	13	May 9	.00
ANNUAL RUNOFF (AC-FT)	2217000		597200
10 PERCENT EXCEEDS	6250		2470
50 PERCENT EXCEEDS	3260		191
90 PERCENT EXCEEDS	134		8.3

REVISED

CALOOSAHATCHEE RIVER

02292480 CALOOSAHATCHEE CANAL AT ORTONA LOCK NEAR LA BELLE, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.12	10.74	11.08	11.06	10.90	11.28	e11.08	10.99	e10.99	11.01	11.12	11.09
2	11.14	10.71	11.04	11.10	10.96	11.34	11.15	11.09	e11.03	11.00	11.21	10.92
3	11.22	10.72	10.87	11.12	10.95	11.39	11.30	11.21	e11.06	e10.89	11.15	10.92
4	10.92	10.83	10.85	e11.13	10.88	e11.47	11.09	11.00	10.95	e10.64	11.15	10.96
5	10.88	10.83	11.07	e11.19	10.83	e11.43	11.05	11.01	11.20	e10.83	11.16	10.87
6	10.99	10.85	11.05	11.17	10.91	11.32	11.04	11.00	11.15	e11.06	11.13	10.91
7	10.86	10.72	10.89	11.16	11.01	11.39	10.99	10.90	10.91	e10.80	11.15	10.88
8	11.00	10.73	10.93	11.15	11.07	10.99	11.01	11.10	11.14	e10.87	10.92	11.16
9	10.85	10.67	11.06	11.13	11.12	11.00	10.92	11.27	11.26	e10.97	11.17	11.06
10	10.93	11.02	11.07	11.19	11.18	11.18	11.16	11.20	11.04	e10.88	11.22	11.12
11	10.91	10.83	11.10	11.14	11.16	11.18	11.06	11.03	10.94	e10.94	11.12	e10.98
12	10.92	10.95	11.08	10.87	11.15	11.13	11.00	11.13	11.11	e10.83	11.04	e10.93
13	10.94	10.98	11.02	11.11	11.14	11.24	10.96	11.17	10.98	e10.99	10.91	10.93
14	11.06	10.75	11.03	11.07	11.08	11.14	10.99	11.05	10.89	e10.84	10.91	10.87
15	11.12	10.70	11.00	10.99	11.06	11.16	11.10	11.12	10.92	e10.78	10.92	10.95
16	10.95	10.84	10.90	11.18	11.10	11.13	11.00	11.12	10.97	e10.81	11.19	10.93
17	10.88	10.70	11.25	11.11	10.89	10.93	11.01	10.99	11.08	e10.85	10.97	10.96
18	10.63	11.03	11.20	11.04	11.21	10.99	11.09	11.03	11.02	e11.04	10.93	11.17
19	10.81	10.89	11.14	11.13	11.45	11.14	11.07	11.27	11.01	e10.99	11.03	11.24
20	11.19	10.87	11.01	11.09	11.30	10.87	11.07	11.10	10.99	e10.99	11.17	11.21
21	11.18	10.92	11.07	11.03	11.31	10.94	10.99	11.18	11.01	e10.86	11.02	11.12
22	11.02	10.94	11.05	11.06	11.24	11.23	11.04	11.14	10.88	e10.93	11.17	11.08
23	11.09	10.81	11.08	10.95	11.18	11.07	11.12	11.12	11.03	e10.86	11.06	11.10
24	11.00	10.89	11.16	10.94	11.10	11.13	11.11	11.04	10.91	e10.87	10.99	10.97
25	11.13	10.83	11.04	10.89	11.02	11.22	11.02	11.13	10.89	e11.07	10.95	10.94
26	11.02	10.83	11.07	11.04	10.92	10.98	11.04	11.21	10.97	e11.22	11.06	11.14
27	10.83	10.85	11.16	11.02	11.08	11.08	11.05	11.06	11.01	e11.17	e11.05	11.15
28	10.82	10.92	11.18	10.94	11.22	11.30	11.06	11.01	11.14	11.45	e11.11	11.17
29	10.69	11.09	11.17	11.00	11.28	11.29	11.15	11.12	11.11	11.28	11.12	11.19
30	10.75	10.94	11.09	11.04	---	11.02	11.11	11.02	11.10	11.37	11.06	11.20
31	10.78	---	11.00	11.04	---	11.20	---	10.88	---	11.44	10.98	---
TOTAL	339.63	325.38	342.71	343.08	321.70	346.16	331.83	343.69	330.69	340.53	343.14	331.12
MEAN	10.96	10.85	11.06	11.07	11.09	11.17	11.06	11.09	11.02	10.98	11.07	11.04
MAX	11.22	11.09	11.25	11.19	11.45	11.47	11.30	11.27	11.26	11.45	11.22	11.24
MIN	10.63	10.67	10.85	10.87	10.83	10.87	10.92	10.88	10.88	10.64	10.91	10.87

e Estimated

CALOOSAHATCHEE RIVER

PAGE 331

02292480 CALOOSAHATCHEE CANAL AT ORTONA LOCK NEAR LA BELLE, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.05	3.47	3.22	3.21	2.90	3.21	e3.02	3.06	e3.03	e2.71	3.00	3.01
2	3.14	3.38	3.20	3.17	2.95	3.21	3.26	3.01	e3.15	e2.77	3.00	2.97
3	3.47	3.34	3.35	3.12	2.99	2.96	3.32	3.16	e3.14	e2.88	2.99	2.98
4	3.79	3.27	3.14	e2.84	2.86	e2.86	3.38	3.40	3.00	e3.06	3.07	3.08
5	3.48	3.21	2.97	e2.96	2.97	e2.83	3.33	3.28	3.21	e2.99	3.05	2.96
6	3.61	3.28	2.98	2.76	2.96	3.03	3.36	3.33	3.17	e3.26	2.94	3.09
7	3.45	3.35	3.00	3.03	3.14	3.24	3.40	3.28	3.20	e3.08	3.04	2.97
8	3.48	3.46	3.06	2.85	3.07	3.11	3.41	3.17	3.13	e3.09	3.07	2.95
9	3.57	3.13	3.14	2.85	3.15	3.03	3.36	3.02	3.18	e3.08	3.11	2.92
10	3.25	3.35	3.02	3.23	3.20	3.07	3.29	2.93	3.19	e3.04	3.06	2.98
11	3.46	3.39	2.95	3.14	3.23	3.14	3.29	3.18	2.98	e3.14	2.98	e2.91
12	3.37	3.29	3.18	3.08	3.21	3.04	3.33	3.26	2.99	e3.17	3.04	e3.01
13	3.30	3.35	3.17	3.01	3.18	3.06	3.40	3.20	2.84	e3.22	3.00	2.90
14	3.53	3.41	3.14	2.96	3.01	e2.92	3.31	3.08	2.95	e3.52	2.97	3.03
15	3.95	3.27	3.06	3.05	2.91	e2.92	3.26	2.95	3.06	e3.32	3.01	3.09
16	3.54	3.29	2.90	2.93	2.82	e2.90	3.23	2.88	3.12	e3.24	3.11	3.16
17	3.57	3.28	2.96	2.94	2.86	e2.90	3.06	3.05	2.99	e3.06	3.05	3.07
18	3.67	3.17	3.03	2.92	3.06	e3.11	3.18	3.10	2.91	e3.02	3.05	3.17
19	3.44	3.30	3.04	3.11	3.31	e3.06	3.26	2.91	2.99	e3.01	3.03	2.98
20	3.66	3.08	3.04	3.05	3.18	e2.91	3.25	2.99	2.99	e3.14	2.87	2.93
21	3.54	3.27	3.04	3.16	3.31	3.05	3.22	3.35	3.18	e3.04	2.83	2.96
22	3.39	3.13	3.12	2.92	3.23	e3.11	3.23	3.18	e2.96	e3.04	2.99	2.97
23	3.40	3.18	2.99	3.09	3.27	e2.92	3.28	3.09	e2.92	e3.09	2.96	2.98
24	3.43	3.20	3.02	2.94	3.20	e2.93	3.22	3.13	2.89	e3.26	2.94	2.97
25	3.50	3.13	2.95	2.86	3.24	3.14	3.04	3.16	2.78	e3.06	3.02	2.94
26	3.51	2.98	2.95	2.87	3.08	e3.08	3.42	3.10	2.72	e3.22	3.06	3.05
27	3.47	3.14	2.93	3.09	2.89	2.94	3.19	3.06	2.89	e2.96	e3.03	3.14
28	3.43	3.07	3.07	2.86	2.85	e3.07	3.01	3.24	2.85	3.12	e2.75	3.21
29	3.26	2.99	3.04	2.91	3.05	e2.90	2.83	3.13	2.75	3.02	2.76	3.11
30	3.31	2.99	3.02	2.93	---	e2.88	2.94	3.17	2.62	3.13	3.07	3.14
31	3.33	---	3.09	3.00	---	e2.98	---	3.14	---	3.15	3.03	---
TOTAL	107.35	97.15	94.77	92.84	89.08	93.51	97.08	96.99	89.78	95.89	92.88	90.63
MEAN	3.46	3.24	3.06	2.99	3.07	3.02	3.24	3.13	2.99	3.09	3.00	3.02
MAX	3.95	3.47	3.35	3.23	3.31	3.24	3.42	3.40	3.21	3.52	3.11	3.21
MIN	3.05	2.98	2.90	2.76	2.82	2.83	2.83	2.88	2.62	2.71	2.75	2.90

e Estimated

CALOOSAHATCHEE RIVER

02292480 CALOOSAHATCHEE CANAL AT ORTONA LOCK NEAR LA BELLE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4790	7530	3880	3060	2700	317	e959	13	e1090	e1380	285	303
2	4910	7410	5770	2630	1820	113	13	13	e639	e1790	90	357
3	6270	6900	5370	2370	1630	326	261	13	e371	e3540	313	13
4	5090	6210	4330	e2140	1240	e274	119	13	113	e5010	368	13
5	2380	6470	3080	e1640	689	e368	13	13	13	e4270	973	13
6	5710	6210	2320	1420	117	14	13	13	13	e4310	931	13
7	6750	6290	1510	915	13	591	13	13	13	e3600	784	13
8	7070	6590	1090	1030	13	431	337	13	13	e2230	302	120
9	6930	6530	1100	1150	13	13	121	14	729	e1710	1040	195
10	6330	6430	1530	2470	13	13	484	284	1800	e1570	1420	127
11	6510	6370	3110	3820	13	393	2270	297	1340	e997	1350	e405
12	6210	6250	4690	3140	13	309	3170	13	2400	e1950	1130	e115
13	5950	6250	4210	2480	13	262	2760	13	3500	e4550	849	13
14	6690	6350	3330	2130	13	e270	2100	13	3920	e5810	849	13
15	7530	5970	2230	1660	13	e14	1570	14	3140	e4730	569	13
16	7410	5930	1490	1310	208	e14	1170	300	2540	e3840	951	13
17	7330	5530	866	1260	431	e309	797	407	2070	e3020	881	13
18	7210	4310	562	927	353	e127	435	117	1850	e1900	977	13
19	7290	4690	723	1190	115	e13	435	14	1720	e1220	433	14
20	7450	4410	907	2420	115	e321	795	307	1990	e853	782	145
21	7530	4450	2180	3170	13	433	2140	1160	1980	e649	592	13
22	7410	4450	2970	2860	13	e137	2360	977	e2110	e1150	438	13
23	7490	4350	2540	2360	13	e87	1980	1040	e3480	e2850	435	13
24	7450	4140	2030	1830	13	e438	1760	435	4430	e4250	433	13
25	7530	4120	1740	1450	13	177	1470	437	3190	e3480	255	13
26	7490	4120	1300	944	13	e13	943	711	2730	e2820	373	13
27	7290	4120	934	853	14	13	539	1030	2500	e1940	e435	13
28	7140	4200	591	583	332	e98	373	1650	2280	1340	e436	13
29	7550	3620	437	965	440	e738	124	1830	1960	582	438	13
30	7330	2700	1080	2220	---	e753	322	2060	1540	83	435	13
31	7380	---	2220	2930	---	e558	---	1560	---	298	359	---
TOTAL	207400	162900	70120	59327	10399	7937	29846	14787	55464	77722	19906	2054
MEAN	6690	5430	2262	1914	359	256	995	477	1849	2507	642	68.5
MAX	7550	7530	5770	3820	2700	753	3170	2060	4430	5810	1420	405
MIN	2380	2700	437	583	13	13	13	13	13	83	90	13
AC-FT	411400	323100	139100	117700	20630	15740	59200	29330	110000	154200	39480	4070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1996, BY WATER YEAR (WY)

MEAN	919	544	424	740	1006	1070	1021	466	704	869	1393	1053
MAX	6690	5430	4799	4639	6842	8436	7449	2085	2624	3882	8724	6817
(WY)	1996	1996	1995	1995	1983	1983	1983	1983	1982	1974	1974	1995
MIN	40.4	10.1	7.01	8.20	6.16	14.9	37.8	52.3	10.1	.64	.23	12.6
(WY)	1973	1977	1974	1972	1982	1973	1973	1990	1990	1981	1981	1981

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1971 - 1996	
ANNUAL TOTAL	1200796		717862			
ANNUAL MEAN	3290		1961		872	
HIGHEST ANNUAL MEAN					3062	
LOWEST ANNUAL MEAN					113	
HIGHEST DAILY MEAN	7580	Sep 1	7550	Oct 29	9720	Aug 8 1974
LOWEST DAILY MEAN	13	May 3	13	Feb 7	.00	Oct 3 1971
ANNUAL SEVEN-DAY MINIMUM	13	May 9	13	Feb 7	.00	Jun 15 1976
ANNUAL RUNOFF (AC-FT)	2382000		1424000		631600	
10 PERCENT EXCEEDS	7170		6220		2770	
50 PERCENT EXCEEDS	3260		1010		192	
90 PERCENT EXCEEDS	140		13		8.6	

e Estimated

02292780 TOWNSEND CANAL NEAR ALVA, FL

LOCATION.--Lat 26°42'33", long 81°33'30", in SW1/4 sec.30, T.43 S., R.28 E., Hendry County, Hydrologic Unit 03090205, on north side of bridge on SR-80, 3.2 mi east of Alva, 9 mi west of La Belle, and 9.6 mi east of Olga. This is main/center gage. Destroyed June 8, 1992. Two auxiliary gages at this site, one upstream approximately 1 mi from bridge on SR-80, located on east bank of canal; one downstream approximately 1,000 ft from bridge on SR-80, located on east bank of canal.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1975 to September 1996. (Discontinued).

GAGE.--Water-stage recorders. Prior to July 1983, deflection vane recorder at same site. Prior to Oct. 1, 1987, electromagnetic velocity meter at same site. Datum of gage is National Geodetic Vertical Datum of 1929. Since Apr. 17, 1987 supplementary water-stage recorder at site 1,000 ft downstream. Since Dec. 4, 1987 auxiliary upstream recorder at site above primary gage, primary (center) gage destroyed June 8, 1992 and rebuilt on June 7, 1994 until again destroyed on July 29, 1995.

REMARKS.--Flow regulated by pump station upstream and control and gate structure downstream. Flow frequently reversed to supply water for agricultural purposes (negative figures indicate flow to the south). Discharge computed from stage-discharge relation and slope discharge relation, were not published for the 1993 to 1996 water years.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 6 complete water years of discharge (1977-82).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 9.98 ft June 9, 1983; minimum, 1.08 ft July 27, 1983.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.49 ft July 28; minimum, 2.31 ft July 1.

**STAGE AND DISCHARGE RECORDS WERE NOT AVAILABLE FOR 1996 WATER YEAR.
STATION DISCONTINUED**

02292900 CALOOSAHATCHEE RIVER AT S-79, NEAR OLGA, FL

LOCATION.--Lat 26°43'25", long 81°41'55", in SW1/4 sec.23, T.43 S., R.26 E., Lee County, Hydrologic Unit 03090205, in control house at southeast end of lock at salinity-control structure 79, 1 mi upstream from Telegraph Creek, and 1.2 mi northeast of Olga.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1964 to March 1966 (gage heights only), April 1966 to current year.

REVISED RECORD.--WDR FL-79-2A: 1978.

GAGE.--Dual water-stage graphic recorder, satellite data collection platform with water-stage shaft encoder for upstream and downstream stages and CR-10 with temperature and conductance probes. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for those estimated discharges which are fair. Flow regulated by operation of salinity-control structure 79. Discharge computed from relations between discharge, head, and gate opening. Satellite data collection platform with shaft encoders were installed Aug. 30, 1991 to collect upstream and downstream stages.

COOPERATION.--Records of gate and lock operation provided by U.S. Army Corps of Engineers.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 28 complete years of discharge (1967-94, 1996).

EXTREME UPSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 5.42 ft June 18, 1982; minimum, 1.18 ft Sept. 22, 1966.

EXTREME UPSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 4.70 ft Oct. 4; minimum, 2.45 ft Oct. 8.

STATION NUMBER 02292900
UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.93	3.06	e3.18	3.27	3.00	3.31	3.09	3.12	3.06	3.12	3.06	3.09
2	3.02	2.96	3.00	3.24	3.10	3.36	3.27	3.09	3.14	3.13	3.05	3.05
3	3.11	3.00	3.21	3.19	3.08	e3.15	3.36	3.21	3.23	3.09	3.04	3.09
4	3.64	2.98	3.09	2.95	2.96	e3.18	3.40	3.44	3.12	3.16	3.11	3.17
5	3.37	2.92	3.05	3.20	3.14	e3.15	3.34	3.32	3.32	3.05	3.09	3.02
6	3.00	3.01	3.11	2.92	3.15	3.27	3.36	3.36	3.30	3.07	2.99	3.19
7	2.86	3.08	3.14	3.13	3.34	3.43	3.40	3.33	3.32	2.98	3.09	3.08
8	2.85	3.11	3.26	2.94	3.26	3.31	3.42	3.21	3.26	3.09	3.12	3.06
9	3.03	2.81	3.31	2.98	3.32	3.28	3.37	3.07	3.27	3.10	3.10	3.04
10	2.85	3.06	3.17	3.29	3.36	3.31	3.28	2.97	3.26	3.01	3.05	3.09
11	2.97	3.11	3.01	3.11	3.37	3.31	3.23	3.18	3.14	3.11	3.00	e3.01
12	2.95	3.00	3.16	3.10	3.36	3.25	3.23	3.22	3.14	3.12	3.05	3.11
13	2.92	3.09	3.18	3.08	3.36	3.29	3.32	3.18	2.96	2.94	3.03	3.00
14	3.02	3.09	3.22	3.08	3.17	3.18	3.28	3.12	3.07	3.14	3.01	3.14
15	3.11	3.02	3.21	3.19	3.06	3.14	3.26	2.99	3.23	3.07	3.06	3.22
16	2.80	3.06	3.08	3.10	2.88	3.13	3.20	2.91	3.33	3.10	3.14	3.27
17	2.91	3.12	3.17	3.14	2.96	3.14	3.08	3.10	3.21	3.02	3.09	3.16
18	2.96	3.13	3.26	3.11	3.18	3.29	3.23	3.14	3.12	3.04	3.12	3.27
19	2.79	3.23	3.22	3.23	3.44	3.16	3.30	2.94	3.21	3.03	3.10	3.09
20	3.09	3.04	3.18	3.13	3.30	3.06	3.28	3.02	3.15	3.16	2.95	3.07
21	2.88	3.21	3.15	3.18	3.43	3.21	3.22	3.36	3.21	3.07	2.93	3.05
22	2.84	3.06	3.20	3.03	3.34	3.32	3.20	3.19	3.06	3.05	3.08	3.05
23	2.90	3.14	3.09	3.22	3.40	3.20	3.24	3.15	3.01	3.00	3.01	3.09
24	2.96	3.16	3.12	3.06	3.32	3.26	3.19	3.16	2.98	3.07	2.99	3.09
25	3.04	3.08	3.09	3.06	3.37	3.42	3.04	3.19	3.02	2.97	3.07	3.07
26	3.04	2.96	3.10	3.08	3.21	3.37	3.43	3.13	2.99	3.18	3.12	3.21
27	3.06	3.12	3.10	3.23	3.02	3.25	3.22	3.10	3.15	2.99	3.09	3.29
28	2.98	3.05	3.26	3.08	2.96	3.32	3.09	3.22	3.14	3.18	3.01	3.32
29	2.81	2.95	3.25	3.09	3.17	3.21	2.89	3.13	3.11	3.11	3.01	3.23
30	2.92	3.07	3.22	3.05	---	3.09	2.95	3.13	3.07	3.19	3.18	3.28
31	2.95	---	3.22	3.06	---	3.24	---	3.20	---	3.20	3.11	---
TOTAL	92.56	91.68	98.01	96.52	93.01	100.59	97.17	97.88	94.58	95.54	94.85	93.90
MEAN	2.99	3.06	3.16	3.11	3.21	3.24	3.24	3.16	3.15	3.08	3.06	3.13
MAX	3.64	3.23	3.31	3.29	3.44	3.43	3.43	3.44	3.33	3.20	3.18	3.32
MIN	2.79	2.81	3.00	2.92	2.88	3.06	2.89	2.91	2.96	2.94	2.93	3.00

e Estimated

CALOOSAHATCHEE RIVER

PAGE 335

02292900 CALOOSAHATCHEE RIVER AT S-79, NEAR OLGA, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.87	1.70	e.85	2.01	1.03	e1.07	1.08	.41	.46	.95	1.15	1.17
2	1.91	1.64	.90	1.94	1.31	e.88	.27	.37	.56	1.12	1.15	1.11
3	2.43	1.61	1.06	1.54	1.42	e.04	.10	.66	.89	1.31	1.12	1.00
4	3.44	1.20	.92	.68	-.12	e-.40	.74	.66	.99	1.62	.91	.92
5	3.14	.83	.77	.60	-1.12	e.37	.99	.73	.97	1.45	.93	1.18
6	2.73	1.25	.75	.52	-.58	1.02	1.09	.70	.77	1.35	.85	1.29
7	2.35	1.73	.97	1.23	-.10	1.22	e1.03	.67	.69	.99	.98	1.09
8	2.13	1.78	.92	.01	.55	.26	.95	.69	1.02	1.04	1.16	1.15
9	2.35	.60	1.10	-.14	.67	-1.06	.92	.75	1.30	1.06	1.36	1.13
10	2.26	1.06	.61	.46	.80	-.80	.35	.64	1.19	1.01	1.48	1.17
11	2.24	1.60	-.51	.72	.91	-.42	.16	.69	1.17	1.22	1.38	e1.39
12	1.99	1.23	.26	.95	.53	-.07	.75	.78	1.16	1.29	1.34	e1.33
13	1.87	1.01	.85	.17	-.07	.45	1.14	.83	.93	1.29	1.21	1.17
14	2.19	1.17	.85	.43	.51	.64	1.15	.59	.88	1.39	1.22	1.14
15	2.58	.68	.76	.56	.95	.77	1.30	.41	.95	1.25	1.15	1.09
16	1.36	.61	.98	.55	.94	.87	.94	.42	.97	1.05	.99	1.34
17	1.50	.74	.94	.81	-.17	1.12	.19	.61	.87	.96	1.05	e1.39
18	2.27	.87	1.20	1.22	.46	1.55	.50	.77	.97	.67	.83	1.22
19	2.16	1.06	1.67	1.23	.74	1.44	.69	.73	1.01	.87	.57	1.07
20	2.32	1.14	1.35	.61	.82	.76	.75	.95	1.10	.90	.78	1.08
21	2.12	1.27	.82	.97	.49	.35	.69	1.20	1.26	.89	.66	1.34
22	1.42	.89	1.03	.30	.50	.37	.73	1.28	1.09	.85	.95	1.48
23	1.56	1.14	.65	.53	.42	.31	.90	.89	1.01	1.06	1.12	1.08
24	1.74	1.45	.51	1.14	.45	.45	.79	.82	.90	1.39	1.08	.90
25	1.84	1.18	.56	.50	.32	.84	.60	.82	.94	1.07	.90	1.02
26	2.01	.82	.87	.69	e.57	.82	.72	.81	1.03	1.04	.93	1.17
27	2.19	1.17	.91	.96	.58	.71	.51	.93	1.02	.93	1.01	1.03
28	2.19	1.29	.84	-.02	.60	1.13	.48	1.02	1.17	.79	1.08	1.20
29	1.12	1.24	.34	.64	.72	.75	.82	1.08	1.19	.80	.92	1.25
30	1.03	.55	.90	.88	---	.74	1.38	1.15	.78	1.11	1.14	1.07
31	1.43	---	1.44	.98	---	.75	---	.98	---	1.17	1.20	---
TOTAL	63.74	34.51	26.07	23.67	14.13	16.93	22.71	24.04	29.24	33.89	32.60	34.97
MEAN	2.06	1.15	.84	.76	.49	.55	.76	.78	.97	1.09	1.05	1.17
MAX	3.44	1.78	1.67	2.01	1.42	1.55	1.38	1.28	1.30	1.62	1.48	1.48
MIN	1.03	.55	-.51	-.14	-1.12	-1.06	.10	.37	.46	.67	.57	.90

e Estimated

CALOOSAHATCHEE RIVER

02292900 CALOOSAHATCHEE RIVER AT S-79, NEAR OLGA, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6800	9050	e4980	3850	3140	e.00	958	.00	2090	3590	361	1670
2	6720	9050	6950	3770	1640	e295	.00	.00	899	3640	73	1320
3	9350	8160	6520	4100	1490	e701	44	.00	877	5580	238	516
4	7390	8210	5690	2930	579	e526	130	313	231	7000	899	671
5	8500	7810	3740	2480	321	e409	.00	109	95	6360	1590	229
6	11200	7900	3050	1670	91	.00	.00	.00	113	6910	1610	332
7	11400	7320	1830	675	527	372	e.00	.00	.00	5720	1150	541
8	11500	8380	1340	1160	76	654	602	.00	.00	4070	549	595
9	12200	8090	1650	725	90	.00	251	.00	1350	3160	1790	527
10	10400	7990	2100	3350	7.6	.00	676	.00	2980	3700	1930	796
11	11500	7940	4180	5260	72	530	2620	.00	2380	2360	1790	e597
12	11100	7830	5660	3830	.00	330	3720	.00	4190	4230	1450	e511
13	10400	7420	5050	3220	42	256	3270	.00	5500	6730	1030	385
14	11300	7880	3730	2360	41	289	2350	.00	5490	8040	923	55
15	13500	7210	2790	2190	.00	.00	1570	.00	4390	6800	607	151
16	13700	7400	1710	1620	.00	.00	1220	.00	4220	5830	1200	322
17	13600	6960	612	1510	.00	.00	499	.00	4790	4700	822	e214
18	12800	5560	682	892	.00	.00	159	.00	4310	2720	983	286
19	11500	6040	567	1290	826	.00	156	.00	4440	2020	605	418
20	11400	5640	1140	3110	153	.00	601	.00	6450	1160	1250	270
21	11000	5620	2370	4110	62	.00	2150	2220	9890	1210	879	250
22	10600	5780	3490	3400	163	.00	2910	1570	8650	1840	756	238
23	10400	5350	3070	2690	55	.00	2250	1470	9530	3450	661	272
24	9680	5480	2250	1970	103	.00	1870	442	9310	5150	473	284
25	9710	5570	1760	1550	50	.00	1090	730	6970	4170	268	69
26	9610	5070	1190	696	e79	.00	539	1070	6130	3660	700	.00
27	8840	5340	705	994	.00	.00	610	1880	7190	2120	1040	.00
28	9010	5430	540	706	.00	678	254	2610	6830	1640	664	84
29	9080	4550	727	1140	.00	1180	.00	2860	5690	398	692	52
30	9090	3510	1190	2230	---	1180	.00	3250	4130	.00	2310	.00
31	8830	---	2690	3310	---	875	---	3050	---	253	2090	---
TOTAL	322110	203540	83953	72788	9607.60	8275.00	30499.00	21574.00	129115.00	118211.00	31383	11655.00
MEAN	10390	6785	2708	2348	331	267	1017	696	4304	3813	1012	388
MAX	13700	9050	6950	5260	3140	1180	3720	3250	9890	8040	2310	1670
MIN	6720	3510	540	675	.00	.00	.00	.00	.00	.00	73	.00
AC-FT	638900	403700	166500	144400	19060	16410	60490	42790	256100	234500	62250	23120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1996, BY WATER YEAR (WY)

MEAN	2078	1041	678	1125	1331	1631	1326	691	2036	2479	2813	2344
MAX	10390	6869	5519	7486	10080	10320	8198	2634	6053	7376	10750	9357
(WY)	1996	1970	1995	1970	1983	1983	1983	1969	1982	1974	1974	1995
MIN	84.7	26.2	4.31	2.91	10.0	5.68	10.0	10.0	192	80.7	228	370
(WY)	1973	1991	1982	1982	1975	1990	1967	1967	1979	1981	1972	1972

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1966 - 1996

ANNUAL TOTAL	1704024.2	1042710.60	
ANNUAL MEAN	4669	2849	1596
HIGHEST ANNUAL MEAN			5203
LOWEST ANNUAL MEAN			296
HIGHEST DAILY MEAN	13800	Aug 26	13700
LOWEST DAILY MEAN	7.0	May 20	.00
ANNUAL SEVEN-DAY MINIMUM	11	May 17	.00
ANNUAL RUNOFF (AC-FT)	3380000	2068000	1156000
10 PERCENT EXCEEDS	10600	8170	5340
50 PERCENT EXCEEDS	4330	1330	482
90 PERCENT EXCEEDS	275	.00	10

e Estimated

02293214 MEADE CANAL AT CAPE CORAL, FL

LOCATION.--Lat 26°38'10", long 81°55'50", in NE1/4 sec.20 T.44 S., R.24 E., Lee County, Hydrologic Unit 0300205, (Fort Myers NW Quadrangle), near left bank on upstream side of wingwall of bridge on Viscaya Parkway, 100 ft west of S.E. 21st Avenue, and 1.5 mi upstream from Caloosahatchee River at Cape Coral.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (State Road Department Bench Mark).

REMARKS.--Records fair except estimated daily discharges, which are poor.

ANNUAL MEAN and RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 9 complete water years of discharge (1988-96).

STATION NUMBER 02293214
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	5.70	5.43	5.40	5.28	5.26	5.30	5.30	5.30	5.39	5.39	5.33
2	---	5.57	5.40	5.42	5.28	5.34	5.28	5.29	5.28	5.39	5.38	5.32
3	---	5.50	5.39	5.59	5.31	5.34	5.27	5.32	5.28	5.39	5.58	5.30
4	---	5.46	5.39	5.54	5.28	5.30	5.28	5.37	5.28	5.38	5.74	5.29
5	---	5.43	5.38	5.51	5.26	5.29	5.28	5.34	5.28	5.45	5.55	5.27
6	---	5.43	5.38	5.49	5.26	5.29	5.28	5.32	5.28	5.49	5.49	5.26
7	---	5.43	5.38	5.53	5.26	5.29	5.29	5.31	5.28	5.44	5.48	5.31
8	---	5.45	5.38	5.50	5.28	5.28	5.33	5.29	5.29	5.41	5.47	5.37
9	---	5.44	5.38	5.46	5.28	5.26	5.35	5.29	5.37	5.33	5.46	5.34
10	---	5.43	5.38	5.46	5.29	5.26	5.34	5.29	5.35	4.97	5.46	5.34
11	---	5.43	5.35	5.45	5.29	5.31	5.32	5.29	5.38	4.77	5.42	5.37
12	---	5.43	5.34	5.46	5.29	5.30	5.31	5.29	5.39	4.69	5.39	5.38
13	---	5.42	5.34	5.46	5.27	5.30	5.31	5.28	5.42	4.77	5.36	5.35
14	---	5.42	5.34	5.45	5.27	5.31	5.31	5.27	5.40	4.79	5.34	5.33
15	---	5.40	5.35	5.44	5.28	5.32	5.30	5.25	5.49	4.76	5.33	5.32
16	---	5.39	5.35	5.44	5.31	5.32	5.29	5.24	5.81	4.74	5.32	5.31
17	---	5.39	5.36	5.44	5.30	5.32	5.28	5.23	5.74	4.74	5.33	5.31
18	---	5.39	5.35	5.44	5.30	5.31	5.28	5.23	5.60	4.71	5.34	5.30
19	---	5.40	5.37	5.44	5.30	5.30	5.28	5.23	5.53	4.66	5.34	5.32
20	---	5.40	5.39	5.43	5.30	5.28	5.28	5.24	5.53	4.63	5.38	5.33
21	5.71	5.40	5.37	5.43	5.31	5.27	5.28	5.35	5.72	4.61	5.38	5.36
22	5.69	5.40	5.37	5.44	5.31	5.27	5.27	5.42	5.61	4.60	5.36	5.33
23	5.66	5.39	5.37	5.46	5.31	5.27	5.27	5.42	5.57	4.67	5.35	5.33
24	5.63	5.39	5.34	5.43	5.31	5.27	5.27	5.40	5.57	4.69	5.35	5.31
25	5.63	5.40	5.33	5.33	5.31	5.27	5.27	5.38	5.56	4.61	5.33	5.30
26	5.63	5.40	5.32	5.29	5.31	5.27	5.27	5.36	5.53	4.57	5.33	5.29
27	5.62	5.40	5.33	5.28	5.32	5.26	5.27	5.35	5.54	4.64	5.32	5.28
28	5.62	5.40	5.34	5.27	5.31	5.38	5.27	5.34	5.49	4.70	5.31	5.28
29	5.62	5.42	5.34	5.26	5.27	5.34	5.27	5.33	5.45	4.74	5.33	5.29
30	5.63	5.43	5.33	5.27	---	5.31	5.30	5.32	5.42	4.92	5.37	5.33
31	5.65	---	5.38	5.28	---	5.31	---	5.32	---	5.37	5.35	---
TOTAL	---	162.94	166.25	168.09	153.45	164.20	158.70	164.66	163.74	153.02	167.33	159.55
MEAN	---	5.43	5.36	5.42	5.29	5.30	5.29	5.31	5.46	4.94	5.40	5.32
MAX	---	5.70	5.43	5.59	5.32	5.38	5.35	5.42	5.81	5.49	5.74	5.38
MIN	---	5.39	5.32	5.26	5.26	5.26	5.27	5.23	5.28	4.57	5.31	5.26

CALOOSAHATCHEE RIVER

02293214 MEADE CANAL AT CAPE CORAL, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e4.5	17	.12	2.7	2.4	1.2	1.8	.39	.43	3.8	4.8	4.7
2	e5.0	6.3	.01	3.7	2.3	4.9	1.3	.28	.26	3.8	4.7	4.0
3	e7.0	2.8	.00	15	3.7	4.1	.87	.78	.20	3.6	21	3.4
4	e30	1.5	.00	12	2.6	2.6	.96	1.5	.25	3.1	30	2.7
5	e20	.76	.01	10	1.7	2.1	1.0	.92	.29	7.0	16	2.3
6	e16	.66	.00	9.7	1.7	2.2	.97	.55	.29	9.8	13	1.7
7	e13	.64	.04	13	1.8	2.2	1.1	.36	.27	6.6	12	4.7
8	e10	.82	.05	11	2.3	1.9	2.2	.16	.56	4.8	11	7.0
9	e8.0	.62	.10	8.7	2.5	1.1	2.7	.16	2.2	2.5	11	5.3
10	e5.5	.51	.09	8.8	2.6	1.3	2.3	.19	1.6	.00	11	5.5
11	e4.0	.44	.01	8.4	2.5	2.8	1.6	.16	2.7	.00	8.6	7.5
12	e3.0	.38	.00	9.9	2.3	2.5	1.2	.11	3.5	.00	6.6	7.6
13	e7.0	.29	.00	9.8	1.8	2.4	1.2	.04	4.9	.00	5.3	5.9
14	e15	.24	.04	9.7	1.8	2.6	1.1	.01	3.7	.00	4.2	4.9
15	e25	.11	.11	9.3	2.1	2.8	.99	.00	11	.00	3.7	4.4
16	e15	.06	.15	9.8	3.5	2.8	.75	.00	34	.00	3.7	3.9
17	e10	.04	.22	9.9	2.6	2.8	.52	.00	28	.00	4.0	3.5
18	e25	.01	.20	10	2.7	2.6	.48	.00	17	.00	4.9	3.2
19	e23	.05	.44	10	2.8	2.3	.50	.00	12	.00	5.1	4.1
20	e21	.04	.68	10	3.0	1.5	.44	.00	13	.00	8.0	4.7
21	19	.00	.57	11	3.2	1.2	.36	1.7	27	.00	7.5	6.2
22	18	.00	.61	12	3.1	1.2	.32	3.1	18	.00	6.6	4.9
23	16	.00	.60	13	2.8	1.2	.31	3.1	15	.00	6.0	4.7
24	13	.00	.36	12	2.9	1.2	.31	2.4	15	.00	5.6	3.6
25	13	.00	.27	5.4	2.9	1.2	.24	1.9	14	.00	4.9	3.1
26	12	.00	.34	3.1	2.9	1.3	.24	1.3	12	.00	4.5	2.7
27	11	.00	.40	2.7	3.1	1.1	.22	.94	13	.00	4.0	2.5
28	11	.00	.62	2.3	2.7	5.6	.20	.87	10	.00	3.7	2.4
29	11	.04	.66	2.2	1.6	3.5	.19	.69	6.8	.00	4.8	2.9
30	12	.11	.68	2.3	---	2.1	.37	.65	5.0	.43	7.0	5.0
31	13	---	1.9	2.5	---	2.0	---	.65	---	3.8	5.8	---
TOTAL	416.0	33.42	9.28	259.9	73.9	70.3	26.74	22.91	271.95	49.23	249.0	129.0
MEAN	13.4	1.11	.30	8.38	2.55	2.27	.89	.74	9.06	1.59	8.03	4.30
MAX	30	17	1.9	15	3.7	5.6	2.7	3.1	34	9.8	30	7.6
MIN	3.0	.00	.00	2.2	1.6	1.1	.19	.00	.20	.00	3.7	1.7
AC-FT	825	66	18	516	147	139	53	45	539	98	494	256

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1996, BY WATER YEAR (WY)

MEAN	4.93	1.53	1.09	3.10	1.79	1.88	1.42	1.53	8.66	11.8	11.7	8.66
MAX	13.4	5.20	2.72	8.38	3.91	4.47	4.33	4.53	24.8	29.0	38.3	22.9
(WY)	1996	1988	1990	1996	1992	1992	1987	1991	1995	1995	1995	1995
MIN	.000	.079	.30	.67	.11	.17	.000	.014	1.27	1.59	3.20	4.14
(WY)	1989	1990	1996	1990	1994	1995	1990	1993	1988	1996	1991	1992

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1987 - 1996

ANNUAL TOTAL	4181.98	1611.63	
ANNUAL MEAN	11.5	4.40	4.92
HIGHEST ANNUAL MEAN			10.6 1995
LOWEST ANNUAL MEAN			2.28 1993
HIGHEST DAILY MEAN	177 Aug 25	34 Jun 16	177 Aug 25 1995
LOWEST DAILY MEAN	.00 Jan 20	.00 Nov 21	.00 May 8 1988
ANNUAL SEVEN-DAY MINIMUM	.00 Jan 20	.00 Nov 21	.00 Jun 3 1988
INSTANTANEOUS PEAK FLOW		68 Aug 3	237 Aug 25 1995
INSTANTANEOUS PEAK STAGE		6.11 Aug 3	7.06 Aug 25 1995
INSTANTANEOUS LOW FLOW		.00 Nov 17	.00 May 8 1988
ANNUAL RUNOFF (AC-FT)	8290	3200	3570
10 PERCENT EXCEEDS	31	12	14
50 PERCENT EXCEEDS	2.0	2.4	1.9
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated

02293216 MACKINAC CANAL AT CAPE CORAL, FL

LOCATION.--Lat 26°38'09", long 81°57'29", in NW1/4 sec.19, T.44 S., R.24 E., Lee County, Hydrologic Unit 03090205, (Fort Myers NW quadrangle), near left bank on upstream side of wingwall of bridge on SE 9th Street, 105 ft west of S.E. 8th Street, .4 mi upstream from Country Club Boulevard bridge and 3.4 mi upstream from Caloosahatchee River at Cape Coral.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1986 to September 1996 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (State Road Department bench mark).

REMARKS.--No estimated daily discharges. Records fair.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 9 complete water years of discharge (1988-96).

STATION NUMBER 02293216												
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.25	7.04	6.97	6.66	7.06	6.61	6.85	6.42	7.00	7.34	6.59	6.40
2	7.23	7.06	6.93	6.71	7.07	6.67	6.82	6.43	7.00	7.30	6.57	6.37
3	7.23	7.07	6.90	6.98	7.07	6.74	6.77	6.40	6.99	7.26	6.69	6.35
4	7.18	7.09	6.87	7.05	7.05	6.75	6.72	6.50	6.94	7.22	7.00	6.31
5	7.10	7.08	6.78	7.07	7.00	6.82	6.72	6.57	6.88	7.32	6.96	6.27
6	7.17	7.08	6.78	7.08	6.98	6.89	6.76	6.60	6.84	7.41	6.92	6.23
7	7.48	7.09	6.76	7.16	6.95	6.93	6.85	6.58	6.84	7.39	6.89	6.22
8	7.41	7.11	6.77	7.17	6.93	6.91	6.94	6.48	6.84	7.35	6.74	6.29
9	7.58	7.11	6.73	7.16	6.89	6.87	6.97	6.46	6.95	7.20	6.70	6.48
10	7.38	7.09	6.71	7.15	6.86	6.85	6.98	6.62	6.97	7.11	6.60	6.68
11	7.21	7.10	6.68	7.14	6.83	6.90	7.03	6.70	7.16	7.01	6.53	6.84
12	7.07	7.09	6.69	7.16	6.79	6.96	7.08	6.75	7.23	6.87	6.46	7.04
13	7.08	7.07	6.64	7.23	6.75	6.96	7.04	6.75	7.32	6.75	6.40	7.09
14	7.26	7.07	6.61	7.20	6.71	6.95	7.00	6.70	7.28	6.65	6.41	7.11
15	7.44	7.06	6.58	7.17	6.68	6.94	6.99	6.64	7.29	6.59	6.42	7.11
16	7.28	7.03	6.59	7.13	6.73	6.88	7.03	6.62	7.57	6.56	6.43	7.10
17	7.14	7.02	6.56	7.10	6.79	6.85	7.05	6.59	7.63	6.55	6.46	7.11
18	7.16	7.01	6.52	7.08	6.87	6.83	7.05	6.56	7.51	6.54	6.49	7.13
19	7.10	6.99	6.60	7.06	6.94	6.84	6.93	6.55	7.43	6.51	6.50	7.15
20	7.06	6.99	6.68	7.04	6.98	6.82	6.84	6.53	7.44	6.50	6.56	7.16
21	6.96	6.99	6.63	7.01	6.94	6.83	6.76	6.69	7.65	6.49	6.55	7.18
22	6.84	6.98	6.59	6.99	6.90	6.83	6.71	6.92	7.54	6.46	6.53	7.17
23	6.74	6.96	6.57	6.98	6.85	6.78	6.68	7.02	7.47	6.45	6.51	7.16
24	6.81	6.95	6.55	6.96	6.87	6.73	6.67	7.06	7.46	6.44	6.49	7.12
25	6.87	6.94	6.53	6.94	6.91	6.67	6.63	7.08	7.47	6.40	6.46	7.08
26	6.91	6.93	6.52	6.92	6.90	6.65	6.57	7.07	7.42	6.37	6.44	7.03
27	6.94	6.91	6.57	6.91	6.85	6.63	6.47	7.03	7.41	6.33	6.44	7.00
28	6.96	6.88	6.64	6.90	6.77	6.83	6.36	7.01	7.43	6.27	6.42	6.98
29	6.96	6.92	6.63	6.89	6.71	6.87	6.35	6.99	7.41	6.24	6.40	6.96
30	6.94	6.97	6.59	6.95	---	6.87	6.38	6.98	7.38	6.37	6.41	6.99
31	6.96	---	6.62	7.00	---	6.86	---	6.98	---	6.59	6.41	---
TOTAL	220.70	210.68	206.79	217.95	199.63	211.52	204.00	208.28	217.75	209.84	203.38	205.11
MEAN	7.12	7.02	6.67	7.03	6.88	6.82	6.80	6.72	7.26	6.77	6.56	6.84
MAX	7.58	7.11	6.97	7.23	7.07	6.96	7.08	7.08	7.65	7.41	7.00	7.18
MIN	6.74	6.88	6.52	6.66	6.68	6.61	6.35	6.40	6.84	6.24	6.40	6.22

CALOOSAHATCHEE RIVER

02293216 MACKINAC CANAL AT CAPE CORAL, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	.00	.00	.00	.00	.00	.00	.00	.00	1.9	.00	.00
2	.97	.00	.00	.00	.00	.00	.00	.00	.00	.88	.00	.00
3	.96	.00	.00	.00	.00	.00	.00	.00	.00	.25	.00	.00
4	.37	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.5	.00	.00
6	6.8	.00	.00	.00	.00	.00	.00	.00	.00	7.5	.00	.00
7	25	.00	.00	.06	.00	.00	.00	.00	.00	5.3	.00	.00
8	17	.00	.00	.06	.00	.00	.00	.00	.00	2.7	.00	.00
9	36	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00
10	14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	1.1	.00	.00	.00	.00	.00	.00	.00	.10	.00	.00	.00
12	.00	.00	.00	.06	.00	.00	.00	.00	.28	.00	.00	.00
13	.25	.00	.00	.45	.00	.00	.00	.00	1.5	.00	.00	.00
14	3.1	.00	.00	.17	.00	.00	.00	.00	.69	.00	.00	.00
15	21	.00	.00	.02	.00	.00	.00	.00	4.1	.00	.00	.00
16	3.9	.00	.00	.00	.00	.00	.00	.00	28	.00	.00	.00
17	.06	.00	.00	.00	.00	.00	.00	.00	36	.00	.00	.00
18	.10	.00	.00	.00	.00	.00	.00	.00	21	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	11	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	13	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	38	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	25	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	17	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	16	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	16	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	9.9	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	8.9	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	13	.00	.00	.00
29	.00	.00	.00	.00	.00	.00	.00	.00	8.0	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	4.5	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	132.31	0.00	0.00	0.82	0.00	0.00	0.00	0.00	271.97	20.08	0.00	0.00
MEAN	4.27	.000	.000	.026	.000	.000	.000	.000	9.07	.65	.000	.000
MAX	36	.00	.00	.45	.00	.00	.00	.00	38	7.5	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	262	.00	.00	1.6	.00	.00	.00	.00	539	40	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1996, BY WATER YEAR (WY)

MEAN	2.66	.13	.000	.034	.068	.35	.016	.004	5.95	5.94	3.64	5.52
MAX	8.28	1.22	.000	.18	.54	1.83	.15	.037	30.4	31.0	20.9	26.4
(WY)	1994	1994	1987	1993	1993	1992	1992	1995	1992	1995	1995	1995
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1989	1987	1987	1987	1987	1987	1987	1987	1988	1988	1989	1987

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1987 - 1996

ANNUAL TOTAL	3120.53	425.18	
ANNUAL MEAN	8.55	1.16	2.04
HIGHEST ANNUAL MEAN			8.23 1995
LOWEST ANNUAL MEAN			.000 1989
HIGHEST DAILY MEAN	291 Aug 25	38 Jun 21	291 Aug 25 1995
LOWEST DAILY MEAN	.00 Jan 1	.00 Oct 5	.00 Nov 17 1986
ANNUAL SEVEN-DAY MINIMUM	.00 Jan 1	.00 Oct 19	.00 Nov 17 1986
INSTANTANEOUS PEAK FLOW		57 Jun 16	430 Jun 28 1992
INSTANTANEOUS PEAK STAGE		7.79 Jun 16	9.26 Jun 28 1992
INSTANTANEOUS LOW FLOW		.00 Oct 4	.00 Nov 17 1986
ANNUAL RUNOFF (AC-FT)	6190	843	1470
10 PERCENT EXCEEDS	22	.52	2.2
50 PERCENT EXCEEDS	.00	.00	.00
90 PERCENT EXCEEDS	.00	.00	.00

02293230 WHISKEY CREEK AT WHISKEY CREEK CLUB NEAR FT. MYERS, FL

LOCATION.--Lat 26°34'27", long 81°53'29", in NW1/4,NW1/4,NW1/4,SE1/4, sec.10, T.45 S., R.24 E., Lee County, Hydrologic Unit 03090205, 0.6 mi upstream from mouth on left bank, above spillway at Whiskey Creek Club, 0.75 mi east of Whiskey Creek Road, 5.0 mi south of Ft. Myers.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1994 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Discharge for all periods when the vertical gates are opened is estimated.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 2 complete water year of discharge (1995-96).

STATION NUMBER 02293230
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.09	3.13	3.04	3.06	3.04	3.00	3.03	3.04	3.04	3.14	3.17	3.04
2	3.11	3.09	3.04	3.07	3.04	3.10	3.03	3.02	3.04	3.12	3.13	3.05
3	3.10	3.09	3.04	3.16	3.05	3.05	3.03	3.03	3.04	3.12	3.11	3.08
4	3.23	3.08	3.03	3.08	3.03	3.04	3.03	3.04	3.04	3.11	3.10	3.05
5	3.25	3.08	3.04	3.07	3.02	3.03	3.03	3.03	3.04	3.18	3.09	3.04
6	3.21	3.08	3.05	3.07	3.03	3.04	3.03	3.02	3.03	3.18	3.10	3.04
7	3.19	3.08	3.05	3.09	3.03	3.04	3.03	3.02	3.03	3.13	3.10	3.39
8	3.18	3.08	3.05	3.06	3.03	3.03	3.08	3.02	3.04	3.11	3.10	3.13
9	3.19	3.08	3.05	3.05	3.03	3.04	3.08	3.02	3.09	3.10	3.10	3.13
10	3.17	3.08	3.04	3.04	3.03	3.04	3.06	3.03	3.05	3.10	3.12	3.11
11	3.13	3.08	3.05	3.04	3.02	3.07	3.05	3.06	3.07	3.09	3.10	3.12
12	3.12	3.07	3.08	3.06	3.02	3.05	3.04	3.02	3.13	3.08	3.09	3.10
13	3.14	---	3.09	3.05	3.03	3.05	3.04	3.01	3.14	3.08	3.10	3.10
14	3.18	---	3.07	3.04	3.03	3.05	3.03	3.05	3.09	3.08	3.09	3.09
15	3.30	---	3.06	3.04	3.03	3.05	3.03	3.07	3.32	3.09	3.09	3.20
16	3.17	---	3.06	3.05	3.04	3.04	3.02	3.02	3.50	3.08	3.09	3.16
17	3.21	---	3.06	3.04	3.02	3.04	3.02	3.02	3.22	3.07	3.09	3.11
18	3.23	---	3.06	3.04	3.02	3.04	3.02	3.01	3.15	3.07	3.09	3.09
19	3.20	---	3.11	3.04	3.02	3.04	3.02	3.01	3.15	3.09	3.10	3.09
20	3.17	---	3.05	3.04	3.03	3.04	3.02	3.03	3.20	3.23	3.09	3.10
21	3.13	---	3.04	3.04	3.04	3.03	3.02	3.17	3.34	3.17	3.07	3.11
22	3.11	---	3.04	3.04	3.04	3.03	3.01	3.14	3.21	3.10	3.06	3.09
23	3.10	---	3.05	3.03	3.04	3.03	3.01	3.10	3.16	3.07	3.07	3.08
24	3.10	---	3.04	3.02	3.03	3.03	3.01	3.08	3.15	3.06	3.06	3.07
25	3.09	---	3.03	3.02	3.05	3.02	3.01	3.07	3.14	3.05	3.06	3.06
26	3.09	---	3.04	3.02	3.04	2.99	3.02	3.07	3.17	3.05	3.06	3.06
27	3.09	---	3.04	3.03	3.00	2.99	3.01	3.06	3.40	3.05	3.07	3.07
28	3.09	---	3.05	3.03	3.00	3.14	3.01	3.06	3.29	3.06	3.06	3.06
29	3.09	3.02	3.05	3.03	2.99	3.05	3.01	3.06	3.19	3.06	3.05	3.15
30	3.09	3.04	3.03	3.03	---	3.04	3.05	3.06	3.15	3.25	3.04	3.15
31	3.13	---	3.07	3.04	---	3.03	---	3.05	---	2.64	3.05	---
TOTAL	97.68	---	94.60	94.52	87.82	94.26	90.88	94.49	94.61	95.81	95.70	93.12
MEAN	3.15	---	3.05	3.05	3.03	3.04	3.03	3.05	3.15	3.09	3.09	3.10
MAX	3.30	---	3.11	3.16	3.05	3.14	3.08	3.17	3.50	3.25	3.17	3.39
MIN	3.09	---	3.03	3.02	2.99	2.99	3.01	3.01	3.03	2.64	3.04	3.04

CALOOSAHATCHEE RIVER

02293230 WHISKEY CREEK AT WHISKEY CREEK CLUB NEAR FT. MYERS, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	9.8	2.7	7.5	7.3	1.9	4.1	3.6	6.2	19	21	6.5
2	6.6	4.8	3.0	8.3	7.1	12	3.9	2.9	5.9	17	15	7.4
3	5.7	4.6	3.1	23	7.9	4.5	3.7	3.5	6.0	16	13	10
4	42	4.3	2.9	10	5.3	3.9	3.8	4.2	5.9	15	12	6.7
5	28	4.6	3.1	9.6	4.7	3.4	3.6	3.3	5.9	26	11	6.6
6	20	4.9	3.8	9.1	5.1	3.7	3.6	3.0	5.7	24	13	6.2
7	15	4.3	4.1	11	5.2	3.7	4.2	2.7	5.5	17	13	118
8	14	4.7	4.0	8.3	5.2	3.6	8.8	2.7	7.8	13	13	17
9	15	4.7	4.3	7.3	5.5	3.7	8.3	2.6	14	12	13	17
10	12	5.0	3.6	6.5	4.3	4.2	5.9	4.5	8.4	12	15	14
11	7.6	4.3	5.1	6.7	4.3	6.3	5.2	5.8	11	11	13	16
12	6.1	4.1	7.7	9.1	4.2	5.2	4.5	2.9	20	11	12	13
13	8.6	e3.8	8.1	7.9	4.5	5.1	4.4	2.3	21	10	12	12
14	15	e3.3	6.4	7.3	4.9	5.2	4.0	8.9	13	10	12	11
15	38	e2.9	5.7	7.6	4.4	5.1	3.8	7.5	185	11	12	34
16	12	e2.5	5.7	7.7	5.4	4.6	3.5	3.0	141	11	11	21
17	21	e2.2	5.6	7.4	3.4	4.9	3.5	3.0	36	9.1	12	13
18	22	e2.0	6.3	6.9	3.6	4.9	3.6	3.0	23	8.3	12	12
19	18	e3.0	12	7.5	3.4	4.4	3.1	3.1	23	11	13	11
20	14	e2.8	5.3	8.2	3.9	4.4	2.8	3.7	39	47	11	12
21	8.8	e2.6	4.4	8.8	4.6	4.2	2.7	28	66	23	9.3	13
22	6.5	e2.2	4.8	8.4	4.7	3.8	2.5	17	34	12	8.6	9.9
23	5.4	e1.9	5.2	6.8	4.3	4.2	2.5	11	25	8.6	9.3	8.0
24	5.2	e1.7	4.5	5.9	3.6	3.9	2.5	8.6	22	7.2	7.9	7.2
25	4.7	e1.6	4.2	6.0	4.5	3.2	2.2	8.1	20	6.3	7.8	6.3
26	4.5	e1.5	5.0	6.3	3.9	2.0	2.7	7.7	27	6.4	8.6	5.6
27	4.6	e1.4	5.6	5.9	1.8	2.1	2.6	7.3	95	6.5	8.9	5.8
28	4.3	e1.3	6.6	6.0	1.8	17	2.4	7.1	50	6.8	7.8	5.2
29	4.4	2.0	6.0	6.5	1.7	5.6	2.4	6.8	28	6.9	6.9	20
30	4.3	2.8	4.9	6.7	---	4.5	5.1	7.3	22	e176	6.6	16
31	11	---	8.4	6.9	---	4.3	---	6.4	---	e61	7.1	---
TOTAL	389.0	101.6	162.1	251.1	130.5	149.5	115.9	191.5	972.3	631.1	347.8	461.4
MEAN	12.5	3.39	5.23	8.10	4.50	4.82	3.86	6.18	32.4	20.4	11.2	15.4
MAX	42	9.8	12	23	7.9	17	8.8	28	185	176	21	118
MIN	4.3	1.3	2.7	5.9	1.7	1.9	2.2	2.3	5.5	6.3	6.6	5.2
AC-FT	772	202	322	498	259	297	230	380	1930	1250	690	915

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1996, BY WATER YEAR (WY)

MEAN	8.18	3.76	5.21	6.21	3.71	2.91	3.20	3.04	18.3	26.0	19.4	25.8
MAX	12.5	4.13	5.23	8.10	4.50	4.82	3.86	6.18	32.4	29.7	34.0	48.6
(WY)	1996	1995	1996	1996	1996	1996	1996	1996	1996	1994	1995	1995
MIN	3.81	3.39	5.19	4.32	2.89	1.00	2.54	.71	2.21	20.4	11.2	13.4
(WY)	1995	1996	1995	1995	1995	1995	1995	1994	1994	1996	1996	1994

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1994 - 1996

ANNUAL TOTAL	5024.05	3903.8	
ANNUAL MEAN	13.8	10.7	11.9
HIGHEST ANNUAL MEAN			13.1 1995
LOWEST ANNUAL MEAN			10.7 1996
HIGHEST DAILY MEAN	380 Sep 2	185 Jun 15	380 Sep 2 1995
LOWEST DAILY MEAN	.00 Mar 23	1.3 Nov 28	.00 May 21 1994
ANNUAL SEVEN-DAY MINIMUM	.00 Mar 23	1.6 Nov 23	.00 May 21 1994
INSTANTANEOUS PEAK FLOW		1280 Jun 15	1280 Jun 15 1996
INSTANTANEOUS PEAK STAGE		4.54 Jun 15	4.54 Jun 15 1996
INSTANTANEOUS LOW FLOW		1.3 Nov 28	.00 Apr 12 1994
ANNUAL RUNOFF (AC-FT)	9970	7740	8600
10 PERCENT EXCEEDS	23	20	21
50 PERCENT EXCEEDS	4.7	6.3	5.3
90 PERCENT EXCEEDS	.93	2.9	1.3

e Estimated

02293240 ARIES CANAL AT CAPE CORAL, FL

LOCATION.--Lat 26°36'01", long 81°59'48", in NE1/4 sec.34, T.44 S., R.23 E., Lee County, Hydrologic Unit 03090205, (Fort Myers SW quadrangle), near right back on downstream side of wingwall of bridge at SW 28th Street, 0.6 mi east of Chiquita Boulevard, and 6 mi upstream from Caloosahatchee River at Cape Coral.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1989 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 7 complete water years of discharge (1990-96).

STATION NUMBER 02293240												
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.33	3.28	3.11	3.14	3.10	3.06	3.12	3.07	3.27	3.35	3.14	3.14
2	3.45	3.28	3.09	3.16	3.10	3.13	3.11	3.07	3.21	3.31	3.13	3.13
3	3.52	3.27	3.09	3.35	3.14	3.13	3.09	3.09	3.19	3.29	3.29	3.12
4	3.46	3.25	3.09	3.27	3.12	3.10	3.09	3.12	3.18	3.28	3.50	3.11
5	3.58	3.23	3.09	3.23	3.10	3.09	3.09	3.13	3.17	3.38	3.42	3.10
6	3.67	3.22	3.09	3.21	3.10	3.09	3.09	3.10	3.17	3.46	3.44	3.10
7	3.93	3.21	3.09	3.26	3.10	3.09	3.10	3.09	3.17	3.41	3.38	3.11
8	3.72	3.23	3.08	3.25	3.10	3.08	3.13	3.07	3.17	3.37	3.42	3.26
9	3.90	3.23	3.08	3.23	3.10	3.07	3.15	3.15	3.21	3.41	3.37	3.57
10	3.61	3.22	3.08	3.23	3.10	3.07	3.13	3.28	3.19	3.48	3.36	3.50
11	3.51	3.21	3.07	3.22	3.10	3.10	3.11	3.23	3.24	3.45	3.34	3.55
12	3.46	3.20	3.07	3.23	3.09	3.10	3.11	3.20	3.32	3.41	3.30	3.54
13	3.44	3.20	3.07	3.24	3.08	3.09	3.11	3.18	3.47	3.36	3.27	3.40
14	3.50	3.20	3.08	3.23	3.08	3.09	3.10	3.16	3.37	3.38	3.23	3.32
15	3.76	3.20	3.07	3.22	3.08	3.09	3.10	3.11	3.34	3.47	3.19	3.28
16	3.57	3.19	3.08	3.21	3.10	3.09	3.10	3.09	3.46	3.43	3.20	3.25
17	3.51	3.17	3.07	3.20	3.09	3.09	3.08	3.08	3.57	3.35	3.25	3.23
18	3.60	3.17	3.08	3.20	3.09	3.08	3.08	3.08	3.53	3.32	3.28	3.22
19	3.54	3.18	3.10	3.20	3.09	3.08	3.08	3.07	3.42	3.28	3.28	3.29
20	3.49	3.18	3.11	3.18	3.09	3.06	3.08	3.09	3.38	3.27	3.35	3.26
21	3.45	3.18	3.09	3.18	3.09	3.05	3.08	3.28	3.55	3.26	3.28	3.23
22	3.42	3.17	3.08	3.17	3.09	3.05	3.07	3.38	3.45	3.26	3.24	3.21
23	3.40	3.17	3.08	3.17	3.08	3.05	3.07	3.31	3.38	3.24	3.21	3.19
24	3.36	3.17	3.07	3.14	3.08	3.05	3.07	3.29	3.57	3.19	3.20	3.17
25	3.32	3.18	3.07	3.12	3.08	3.05	3.07	3.29	3.52	3.16	3.18	3.15
26	3.30	3.17	3.07	3.11	3.08	3.05	3.06	3.26	3.44	3.14	3.17	3.15
27	3.28	3.16	3.07	3.11	3.08	3.05	3.05	3.23	3.46	3.13	3.18	3.14
28	3.26	3.16	3.07	3.10	3.07	3.24	3.05	3.20	3.48	3.12	3.18	3.14
29	3.24	3.14	3.07	3.10	3.06	3.18	3.04	3.19	3.44	3.11	3.17	3.14
30	3.23	3.12	3.08	3.10	---	3.14	3.05	3.20	3.43	3.12	3.17	3.16
31	3.24	---	3.13	3.10	---	3.13	---	3.24	---	3.15	3.15	---
TOTAL	108.05	95.94	95.57	98.86	89.66	95.82	92.66	98.33	100.75	102.34	101.27	97.16
MEAN	3.49	3.20	3.08	3.19	3.09	3.09	3.09	3.17	3.36	3.30	3.27	3.24
MAX	3.93	3.28	3.13	3.35	3.14	3.24	3.15	3.38	3.57	3.48	3.50	3.57
MIN	3.23	3.12	3.07	3.10	3.06	3.05	3.04	3.07	3.17	3.11	3.13	3.10

CHARLOTTE HARBOR AND COASTAL AREA

02293240 ARIES CANAL AT CAPE CORAL, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	11	3.6	6.1	3.7	.87	3.0	.94	15	24	6.1	6.2
2	29	11	2.7	7.5	3.8	5.2	2.2	1.3	10	20	5.4	5.8
3	36	10	2.4	25	5.9	4.7	1.6	2.4	8.5	18	23	4.8
4	28	9.2	2.4	17	5.1	2.9	1.6	4.4	7.5	17	42	3.5
5	41	7.8	2.4	13	3.7	2.2	1.4	4.7	6.9	27	33	3.0
6	53	6.8	2.4	12	3.6	2.0	1.4	3.2	6.7	35	35	3.0
7	91	6.6	2.4	16	3.6	2.1	2.0	2.5	6.7	30	29	3.5
8	59	8.3	2.1	15	3.6	1.6	4.5	1.5	7.2	26	34	20
9	85	8.4	1.9	14	3.6	.85	5.6	7.6	10	31	29	50
10	43	7.3	1.6	13	3.1	.98	4.5	17	8.7	38	27	40
11	31	7.2	1.3	13	3.0	2.5	3.2	13	13	34	25	49
12	25	6.9	1.3	14	2.6	2.4	3.0	10	21	30	21	46
13	23	6.9	1.4	14	1.9	2.1	2.9	8.8	36	25	18	28
14	29	6.9	1.8	13	1.9	1.9	2.4	6.7	25	28	14	20
15	62	7.5	1.6	13	2.1	1.8	2.5	3.7	22	38	11	16
16	36	6.8	1.9	11	3.2	1.9	2.2	2.6	35	34	12	13
17	29	5.5	1.6	11	2.4	1.7	1.6	1.9	48	25	16	12
18	41	5.5	1.8	11	2.4	1.6	1.4	1.7	43	22	19	11
19	34	6.7	3.2	11	2.4	1.0	1.4	1.6	30	18	19	16
20	28	6.9	3.5	9.6	2.4	.19	1.4	2.2	26	17	26	13
21	24	6.9	2.6	9.2	2.4	.01	1.3	19	45	17	19	10
22	21	6.7	2.1	8.8	2.4	.00	1.1	27	34	16	15	8.3
23	20	6.9	1.8	8.2	2.1	.00	.94	20	26	14	13	6.5
24	16	7.1	1.5	6.3	1.9	.00	.94	18	48	9.9	11	5.1
25	12	7.7	1.4	4.7	1.9	.02	.78	18	42	7.7	9.5	3.3
26	11	7.0	1.6	4.2	1.9	.00	.54	15	33	6.2	8.4	2.8
27	9.8	6.9	1.9	4.2	1.7	.27	.35	12	35	5.2	8.9	2.1
28	8.2	6.6	1.9	3.7	1.3	12	.17	10	38	4.5	9.2	1.9
29	7.1	5.3	1.9	3.6	.95	6.7	.06	9.2	34	3.9	8.2	1.2
30	6.3	4.5	2.4	3.6	---	4.3	.41	9.8	33	4.7	8.4	2.5
31	7.7	---	5.8	3.6	---	3.4	---	13	---	7.2	7.2	---
TOTAL	961.1	218.8	68.2	319.3	80.55	67.19	56.39	268.74	754.2	633.3	562.3	407.5
MEAN	31.0	7.29	2.20	10.3	2.78	2.17	1.88	8.67	25.1	20.4	18.1	13.6
MAX	91	11	5.8	25	5.9	12	5.6	27	48	38	42	50
MIN	6.3	4.5	1.3	3.6	.95	.00	.06	.94	6.7	3.9	5.4	1.2
AC-FT	1910	434	135	633	160	133	112	533	1500	1260	1120	808

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1996, BY WATER YEAR (WY)

MEAN	17.8	4.38	2.02	6.54	4.19	4.28	3.34	3.30	19.8	29.0	26.2	32.8
MAX	33.2	7.29	4.57	18.2	8.33	10.4	8.56	8.67	60.0	45.2	41.3	74.9
(WY)	1992	1996	1993	1991	1993	1993	1992	1996	1992	1991	1992	1995
MIN	5.20	.79	.40	1.25	.80	.54	.097	.000	.92	7.92	6.02	13.6
(WY)	1995	1990	1991	1990	1990	1990	1990	1994	1994	1994	1994	1996

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1990 - 1996

ANNUAL TOTAL	7061.49	4397.57	
ANNUAL MEAN	19.3	12.0	12.8
HIGHEST ANNUAL MEAN			19.8
LOWEST ANNUAL MEAN			5.73
HIGHEST DAILY MEAN	421	Sep 2	421
LOWEST DAILY MEAN	.00	Mar 26	.00
ANNUAL SEVEN-DAY MINIMUM	.00	May 17	.00
INSTANTANEOUS PEAK FLOW			654
INSTANTANEOUS PEAK STAGE			6.36
INSTANTANEOUS LOW FLOW			.00
ANNUAL RUNOFF (AC-FT)	14010	8720	9300
10 PERCENT EXCEEDS	40	33	34
50 PERCENT EXCEEDS	5.8	6.9	5.1
90 PERCENT EXCEEDS	.46	1.5	.21

02293241 SAN CARLOS CANAL AT CAPE CORAL, FL

LOCATION.--Lat 26°36'11", long 81°57'54", in NE1/4 sec.36, T.44 S., R.23 E., Lee County, Hydrologic Unit 03090205, near right bank on upstream side of wingwall of bridge on SE 26th Terrace, 300 ft west of Retunda Parkway and 3.35 mi upstream of Caloosahatchee River.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (State Road Department bench mark).

REMARKS.--No estimated daily discharges. Records fair.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 9 complete water years of discharge (1988-96).

STATION NUMBER 02293241												
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.59	5.33	4.22	4.59	4.65	4.51	4.85	4.57	5.25	5.28	4.40	4.46
2	5.59	5.34	4.27	4.65	4.67	4.64	4.87	4.56	5.24	5.27	4.38	4.43
3	5.64	5.32	4.32	4.98	4.75	4.72	4.87	4.59	5.22	5.26	4.65	4.41
4	5.56	5.30	4.37	5.06	4.80	4.72	4.89	4.69	5.22	5.25	5.16	4.40
5	5.50	5.27	4.40	5.11	4.80	4.73	4.90	4.73	5.21	5.37	4.99	4.39
6	5.59	5.22	4.44	5.15	4.82	4.75	4.91	4.75	5.21	5.42	4.90	4.39
7	5.73	5.16	4.48	5.23	4.84	4.76	4.94	4.77	5.21	5.37	4.82	4.46
8	5.74	5.15	4.53	5.23	4.86	4.79	5.00	4.79	5.21	5.30	4.75	4.73
9	5.93	5.17	4.56	5.21	4.88	4.78	5.06	4.90	5.26	5.06	4.69	5.11
10	5.65	5.15	4.60	5.20	4.89	4.80	5.09	5.13	5.24	4.94	4.66	5.31
11	5.51	5.10	4.60	5.19	4.92	4.87	5.07	5.15	5.51	4.84	4.62	5.46
12	5.44	5.07	4.59	5.21	4.93	4.90	5.03	5.18	5.56	4.76	4.57	5.60
13	5.46	5.01	4.57	5.21	4.94	4.90	4.98	5.19	5.67	4.70	4.54	5.55
14	5.65	4.95	4.57	5.20	4.93	4.91	4.91	5.19	5.47	4.65	4.52	5.48
15	5.82	4.89	4.57	5.19	4.88	4.93	4.85	5.16	5.54	4.61	4.50	5.43
16	5.60	4.86	4.55	5.18	4.90	4.94	4.80	5.14	6.01	4.57	4.48	5.39
17	5.50	4.77	4.56	5.14	4.88	4.96	4.72	5.14	5.80	4.56	4.53	5.37
18	5.53	4.68	4.54	5.11	4.84	4.97	4.65	5.15	5.54	4.54	4.64	5.36
19	5.54	4.57	4.53	5.11	4.79	4.97	4.64	5.17	5.46	4.52	4.63	5.40
20	5.56	4.45	4.56	5.10	4.73	4.95	4.64	5.17	5.48	4.55	4.65	5.40
21	5.50	4.38	4.56	5.07	4.70	4.92	4.64	5.29	5.69	4.53	4.60	5.39
22	5.44	4.35	4.55	5.04	4.67	4.87	4.64	5.45	5.50	4.51	4.56	5.36
23	5.40	4.29	4.55	5.00	4.64	4.82	4.62	5.45	5.42	4.49	4.51	5.34
24	5.37	4.22	4.54	4.95	4.60	4.75	4.63	5.37	5.39	4.44	4.48	5.32
25	5.35	4.16	4.54	4.92	4.56	4.67	4.64	5.33	5.36	4.39	4.46	5.29
26	5.34	4.09	4.52	4.91	4.51	4.60	4.61	5.29	5.33	4.36	4.45	5.27
27	5.33	4.01	4.49	4.84	4.47	4.53	4.60	5.29	5.32	4.32	4.44	5.26
28	5.30	4.04	4.48	4.78	4.47	4.69	4.58	5.28	5.33	4.29	4.42	5.25
29	5.28	4.08	4.48	4.72	4.50	4.74	4.53	5.27	5.31	4.27	4.44	5.24
30	5.23	4.16	4.46	4.67	---	4.78	4.54	5.27	5.30	4.29	4.53	5.30
31	5.23	---	4.54	4.63	---	4.83	---	5.27	---	4.40	4.49	---
TOTAL	170.90	142.54	139.54	155.58	137.82	148.70	143.70	157.68	162.26	147.11	142.46	153.55
MEAN	5.51	4.75	4.50	5.02	4.75	4.80	4.79	5.09	5.41	4.75	4.60	5.12
MAX	5.93	5.34	4.60	5.23	4.94	4.97	5.09	5.45	6.01	5.42	5.16	5.60
MIN	5.23	4.01	4.22	4.59	4.47	4.51	4.53	4.56	5.21	4.27	4.38	4.39

CALOOSAHATCHEE RIVER

02293241 SAN CARLOS CANAL AT CAPE CORAL, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	9.8	.00	.00	.00	.00	.00	.00	6.4	11	4.0	4.3
2	22	10	.00	.00	.00	.00	.00	.00	6.0	10	3.5	3.6
3	25	9.5	.00	.23	.00	.00	.00	.00	5.6	9.7	20	3.0
4	20	8.5	.00	1.0	.00	.00	.00	.00	5.7	9.2	50	2.6
5	17	7.2	.00	2.1	.00	.00	.00	.00	5.6	15	36	2.5
6	24	5.3	.00	3.2	.00	.00	.00	.00	5.6	18	29	2.4
7	32	3.4	.00	5.7	.00	.00	.00	.00	5.7	15	24	3.0
8	35	3.3	.00	5.8	.00	.00	.15	.00	5.7	14	19	3.1
9	48	3.9	.00	4.9	.00	.00	.73	.29	8.0	5.5	16	4.4
10	27	3.3	.00	4.9	.00	.00	1.2	1.2	7.1	2.9	14	6.7
11	19	2.0	.00	4.5	.00	.00	.78	1.4	22	1.6	12	14
12	15	1.3	.00	5.0	.00	.00	.25	1.9	26	.97	9.4	21
13	16	.44	.00	5.1	.00	.00	.02	2.1	32	.71	8.1	18
14	28	.01	.00	4.8	.00	.00	.00	2.1	20	.70	7.0	14
15	41	.00	.00	4.3	.00	.00	.00	1.5	27	.71	5.9	12
16	25	.00	.00	4.0	.00	.00	.00	1.2	61	.89	5.5	9.9
17	18	.00	.00	3.0	.00	.01	.00	1.3	43	1.4	7.4	9.0
18	20	.00	.00	2.2	.00	.07	.00	1.6	25	1.9	12	8.5
19	21	.00	.00	2.1	.00	.07	.00	2.1	20	2.7	11	10
20	22	.00	.00	1.8	.00	.00	.00	2.3	22	5.0	12	10
21	18	.00	.00	1.4	.00	.00	.00	7.1	35	5.8	9.8	9.6
22	15	.00	.00	.78	.00	.00	.00	13	23	6.7	7.9	8.5
23	13	.00	.00	.28	.00	.00	.00	14	18	7.4	6.3	7.8
24	12	.00	.00	.03	.00	.00	.00	9.8	16	6.0	5.0	6.8
25	11	.00	.00	.00	.00	.00	.00	8.5	15	4.4	4.3	5.9
26	10	.00	.00	.00	.00	.00	.00	6.9	13	3.1	4.1	5.2
27	9.6	.00	.00	.00	.00	.00	.00	7.0	13	2.2	3.7	4.8
28	8.7	.00	.00	.00	.00	.00	.00	7.0	13	1.5	3.1	4.3
29	7.6	.00	.00	.00	.00	.00	.00	6.5	12	1.0	3.9	4.2
30	5.9	.00	.00	.00	---	.00	.00	6.9	12	1.4	7.0	6.3
31	5.7	---	.00	.00	---	.00	---	6.9	---	4.0	5.5	---
TOTAL	612.5	67.95	0.00	67.12	0.00	0.15	3.13	112.59	529.4	170.38	366.4	225.4
MEAN	19.8	2.26	.000	2.17	.000	.005	.10	3.63	17.6	5.50	11.8	7.51
MAX	48	10	.00	5.8	.00	.07	1.2	14	61	18	50	21
MIN	5.7	.00	.00	.00	.00	.00	.00	.00	5.6	.70	3.1	2.4
AC-FT	1210	135	.00	133	.00	.3	6.2	223	1050	338	727	447

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1996, BY WATER YEAR (WY)

MEAN	7.68	1.98	.94	2.05	1.29	1.45	.64	.73	8.78	10.8	9.95	11.5
MAX	19.8	4.55	1.83	7.10	3.45	4.27	2.03	3.63	34.1	33.8	20.3	39.5
(WY)	1996	1994	1990	1991	1987	1993	1987	1996	1995	1995	1995	1995
MIN	1.57	.34	.000	.041	.000	.000	.000	.000	.066	3.60	5.77	2.39
(WY)	1989	1991	1991	1992	1996	1995	1990	1988	1988	1988	1994	1987

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1987 - 1996

ANNUAL TOTAL	4654.50	2155.02	
ANNUAL MEAN	12.8	5.89	4.91
HIGHEST ANNUAL MEAN			11.5
LOWEST ANNUAL MEAN			2.65
HIGHEST DAILY MEAN	150	61	150
LOWEST DAILY MEAN	.00 Feb 26	.00 Nov 15	.00 Dec 14 1986
ANNUAL SEVEN-DAY MINIMUM	.00 Feb 26	.00 Nov 15	.00 Dec 14 1986
INSTANTANEOUS PEAK FLOW		84	260
INSTANTANEOUS PEAK STAGE		6.31 Oct 8	7.58 Jun 28 1992
INSTANTANEOUS LOW FLOW		.00 Nov 14	.00 Dec 14 1986
ANNUAL RUNOFF (AC-FT)	9230	4270	3560
10 PERCENT EXCEEDS	37	18	11
50 PERCENT EXCEEDS	1.3	2.0	1.6
90 PERCENT EXCEEDS	.00	.00	.00

CALOOSAHATCHEE RIVER

PAGE 347

02293243 COURTNEY CANAL AT CAPE CORAL, FL

LOCATION.--Lat 26°34'39", long 81°59'08", in SW1/4 sec.2, T.45 S., R.23 E., Lee County, Hydrologic Unit 03090205, near left bank on upstream side of wing wall of bridge at Mohawk Parkway, 200 ft west of 5th Avenue, and 5 mi upstream from Caloosahatchee River at Cape Coral.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (State Road Department bench mark).

REMARKS.--Records fair except for estimated daily discharges, which are poor.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 9 complete water years of discharge (1988-96).

STATION NUMBER 02293243												
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.98	---	4.18	4.21	4.17	4.27	4.35	4.27	4.64	4.93	3.91	4.41
2	---	---	4.19	4.26	4.23	4.38	4.27	4.31	4.67	4.92	4.05	4.33
3	---	---	4.06	4.55	4.39	4.39	4.14	4.38	4.64	4.93	4.37	4.24
4	---	---	4.09	4.63	4.45	4.33	4.12	4.40	4.52	4.92	5.09	4.12
5	---	---	4.63	4.68	4.42	4.25	4.25	4.39	4.38	5.05	5.13	3.98
6	---	---	4.41	4.71	4.40	4.17	4.21	4.31	4.19	5.13	5.14	3.82
7	---	---	4.22	4.77	4.34	4.09	4.10	4.29	4.13	5.09	5.05	3.72
8	---	---	4.19	4.78	4.25	4.06	4.11	4.23	4.20	5.11	5.20	3.98
9	---	---	4.18	4.78	4.23	3.97	4.14	4.25	4.49	5.29	4.88	4.73
10	---	---	4.09	4.79	4.22	3.93	4.18	4.41	4.60	5.30	4.99	4.81
11	---	---	4.00	4.81	4.14	3.94	4.18	4.35	4.75	5.29	4.98	4.88
12	---	---	4.11	4.85	4.04	3.94	4.20	4.24	4.87	5.20	4.94	4.84
13	---	---	4.18	4.92	3.94	4.08	4.21	4.09	5.02	5.09	4.86	4.75
14	---	---	4.07	4.93	3.85	4.19	4.19	4.15	4.95	5.04	4.65	4.73
15	---	---	4.04	4.91	3.96	4.28	4.13	4.29	4.93	5.02	4.52	4.67
16	---	---	4.07	4.90	4.27	4.35	4.12	4.17	5.22	4.91	4.49	4.63
17	---	---	4.04	4.89	4.34	4.24	4.10	4.04	5.38	4.69	4.56	4.58
18	5.43	---	3.99	4.89	4.27	4.14	4.08	3.92	5.26	4.64	4.71	4.53
19	5.41	---	3.98	4.88	4.19	4.26	4.34	3.66	5.07	4.58	4.72	4.62
20	5.43	---	4.14	4.87	4.11	4.33	4.29	3.79	5.05	4.56	4.71	4.65
21	5.42	---	4.26	4.85	4.07	4.26	4.13	4.31	5.29	4.56	4.67	4.66
22	5.40	---	4.31	4.83	4.03	4.18	3.99	4.67	5.16	4.54	4.65	4.65
23	5.30	---	4.35	4.78	4.11	4.10	4.11	4.75	5.09	4.49	4.60	4.66
24	---	---	4.31	4.66	4.18	4.03	4.16	4.77	5.17	4.43	4.55	4.63
25	---	---	4.26	4.60	4.12	3.96	4.21	4.78	5.13	4.40	4.50	4.55
26	---	---	4.24	4.50	4.02	4.03	4.26	4.73	5.09	4.31	4.46	4.47
27	---	---	4.20	4.45	3.94	4.04	4.21	4.64	5.09	4.14	4.45	4.43
28	---	---	4.17	4.43	3.97	4.17	4.14	4.58	5.04	3.93	4.42	4.36
29	---	4.19	4.15	4.38	4.16	4.32	4.08	4.46	4.99	3.70	4.39	4.30
30	---	4.15	4.13	4.35	---	4.41	4.12	4.41	4.96	3.52	4.43	4.31
31	---	---	4.18	4.30	---	4.39	---	4.47	---	3.68	4.44	---
TOTAL	---	---	129.42	145.14	120.81	129.48	125.12	134.51	145.97	145.39	144.51	134.04
MEAN	---	---	4.17	4.68	4.17	4.18	4.17	4.34	4.87	4.69	4.66	4.47
MAX	---	---	4.63	4.93	4.45	4.41	4.35	4.78	5.38	5.30	5.20	4.88
MIN	---	---	3.98	4.21	3.85	3.93	3.99	3.66	4.13	3.52	3.91	3.72

CALOOSAHATCHEE RIVER

02293243 COURTNEY CANAL AT CAPE CORAL, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	e7.0	.00	.00	.00	.00	.00	.00	3.0	33	.00	.40
2	e30	e12	.00	.00	.00	.00	.00	.00	4.7	33	.00	.06
3	e35	e10	.00	1.9	.00	.00	.00	.00	3.0	33	15	.00
4	e25	e8.0	.05	5.1	.00	.00	.00	.00	.22	33	64	.00
5	e20	e7.0	13	8.4	.00	.00	.00	.00	.00	50	70	.00
6	e25	e6.5	.97	10	.00	.00	.00	.00	.00	63	71	.00
7	e35	e5.0	.00	14	.00	.00	.00	.00	.00	58	58	.00
8	e45	e4.5	.00	15	.00	.00	.00	.00	.00	61	78	3.5
9	e70	e4.2	.00	15	.00	.00	.00	.00	.34	86	37	23
10	e50	e5.0	.00	16	.00	.00	.00	.00	1.7	88	50	30
11	e25	e4.3	.00	18	.00	.00	.00	.00	13	88	48	39
12	e20	e3.0	.00	21	.00	.00	.00	.00	22	76	45	34
13	e20	e1.5	.00	27	.00	.00	.00	.00	37	61	34	25
14	e35	e.50	.00	29	.00	.00	.00	.00	28	55	13	23
15	e60	e.05	.00	27	.00	.00	.00	.00	28	54	3.8	17
16	e45	e.00	.00	25	.00	.00	.00	.00	62	41	2.6	13
17	e35	e.00	.00	24	.00	.00	.00	.00	83	16	6.4	9.6
18	46	e.00	.00	23	.00	.00	.00	.00	67	12	18	5.9
19	44	e.00	.00	22	.00	.00	.00	.00	43	7.4	19	14
20	48	e.00	.00	21	.00	.00	.00	.00	42	6.7	18	16
21	49	e.00	.00	19	.00	.00	.00	.56	73	6.3	15	17
22	49	e.00	.00	15	.00	.00	.00	4.9	56	5.4	13	16
23	37	e.00	.00	12	.00	.00	.00	11	47	3.1	8.6	17
24	e5.0	e.00	.00	3.4	.00	.00	.00	12	58	1.0	5.1	16
25	e4.0	e.00	.00	1.0	.00	.00	.00	13	54	.37	2.9	8.6
26	e3.6	e.00	.00	.05	.00	.00	.00	9.0	49	.00	1.5	3.6
27	e3.1	e.00	.00	.00	.00	.00	.00	3.3	50	.00	1.4	1.9
28	e2.8	e.00	.00	.00	.00	.00	.00	.92	44	.00	.71	.61
29	e2.5	.00	.00	.00	.00	.00	.00	.04	39	.00	.26	.09
30	e2.2	.00	.00	.00	---	.00	.00	.00	36	.00	.74	.20
31	e2.0	---	.00	.00	---	.00	---	.10	---	.00	.90	---
TOTAL	888.2	78.55	14.02	372.85	0.00	0.00	0.00	54.82	943.96	971.27	700.91	334.46
MEAN	28.7	2.62	.45	12.0	.000	.000	.000	1.77	31.5	31.3	22.6	11.1
MAX	70	12	13	29	.00	.00	.00	13	83	88	78	39
MIN	2.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	1760	156	28	740	.00	.00	.00	109	1870	1930	1390	663

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1996, BY WATER YEAR (WY)

MEAN	10.3	2.37	.12	3.57	1.11	1.63	.52	.85	10.2	17.4	16.1	17.7
MAX	28.7	10.4	.45	12.0	4.54	8.34	3.61	2.64	31.5	32.4	22.6	54.5
(WY)	1996	1994	1996	1996	1993	1987	1987	1991	1996	1995	1996	1995
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	10.0	4.02
(WY)	1989	1987	1988	1989	1988	1989	1988	1988	1988	1994	1993	1987

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1987 - 1996

ANNUAL TOTAL	5001.62	4359.04	
ANNUAL MEAN	13.7	11.9	6.86
HIGHEST ANNUAL MEAN			12.5
LOWEST ANNUAL MEAN			3.51
HIGHEST DAILY MEAN	210	Sep 7	210
LOWEST DAILY MEAN	.00	Jan 3	.00
ANNUAL SEVEN-DAY MINIMUM	.00	Feb 28	.00
INSTANTANEOUS PEAK FLOW		91	358
INSTANTANEOUS PEAK STAGE		5.45	7.44
INSTANTANEOUS LOW FLOW		.00	.00
ANNUAL RUNOFF (AC-FT)	9920	8650	4970
10 PERCENT EXCEEDS	46	45	21
50 PERCENT EXCEEDS	.57	.08	.03
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated

02293280 MATLACHA PASS AT PARROTS PERCH NEAR ST. JAMES CITY, FL

LOCATION.--Lat 26°32'47", long 82°04'55", in NE1/4 sec.23, T.45 S., R.22 E., Lee County, Hydrologic Unit 03100103, (Pine Island Center quadrangle), at private dock on Tropical Point Drive, 0.5 mi east of SR-767 (Stringfellow Road), 1.5 mi west of Reckems Point, and 3.7 mi north of St. James City.

DRAINAGE AREA.--Indeterminate. Tidal zone.

PERIOD OF RECORD.--August 1989 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--The stage record published is the maximum and minimum tidal event for each calendar day.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 3.93 ft Oct. 4, 1995; minimum, -1.70 ft May 23, 1994.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 3.93 ft Oct. 4; minimum, -1.14 ft Dec. 11.

STATION NUMBER 02293280
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY TIDAL HIGH (DAILY) VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.52	2.02	1.35	2.48	1.78	1.91	1.47	1.27	1.68	1.95	1.95	1.61
2	2.56	1.96	1.47	2.26	2.11	1.91	1.08	1.52	1.83	1.94	1.77	1.61
3	2.80	1.95	1.61	2.36	2.18	1.23	1.11	1.57	1.93	1.80	1.61	1.62
4	3.93	1.82	1.53	1.42	1.11	.75	1.75	1.62	1.98	1.92	1.39	1.42
5	---	1.58	1.55	1.80	-.07	1.38	1.75	1.63	1.65	1.79	1.46	1.61
6	---	1.99	1.60	1.39	.52	1.64	1.86	1.62	1.31	1.24	1.59	1.62
7	---	2.20	1.85	2.02	1.03	1.72	1.65	1.44	1.16	1.16	1.50	1.45
8	---	2.40	1.80	.86	1.17	1.28	1.76	1.40	1.42	1.46	1.69	1.65
9	---	1.32	1.98	.63	1.31	.48	1.61	1.35	1.56	1.50	1.57	1.69
10	---	1.58	1.87	.98	1.50	.69	.92	1.02	1.55	1.44	1.74	1.69
11	2.46	1.92	.40	1.14	1.60	.66	1.05	1.14	1.58	1.61	1.70	1.87
12	2.18	2.09	1.06	1.28	.82	1.14	1.39	1.34	1.61	1.61	1.76	1.81
13	2.12	1.33	1.31	.71	.94	1.36	1.54	1.24	1.48	1.63	1.70	1.62
14	2.30	1.33	1.56	1.40	1.54	1.44	1.64	1.31	1.53	1.79	1.70	1.67
15	2.46	1.13	1.38	1.53	1.91	1.60	1.68	1.39	1.53	1.69	1.80	1.59
16	1.28	1.14	1.80	1.66	1.87	1.61	1.66	1.53	1.54	1.86	1.56	1.83
17	1.94	1.51	1.96	1.99	1.20	1.79	.99	1.53	1.54	1.61	1.64	1.92
18	2.10	1.86	2.20	2.45	1.53	1.99	1.47	1.55	1.46	1.38	1.42	1.78
19	2.23	1.86	2.43	2.45	1.83	2.19	1.48	1.44	1.32	1.43	1.34	1.63
20	2.49	2.13	2.56	1.74	1.76	1.14	1.46	1.61	1.21	1.24	1.56	1.67
21	2.48	2.23	1.96	1.96	1.21	.82	1.42	1.92	1.02	1.26	1.52	1.86
22	1.95	1.96	2.23	1.43	1.25	1.03	1.41	1.55	.90	1.24	1.75	1.90
23	2.28	2.03	1.97	1.40	1.04	1.27	.97	1.00	.96	1.50	1.77	1.74
24	2.35	2.33	1.74	1.80	1.03	1.44	.86	.95	.95	1.75	1.70	1.77
25	2.36	2.26	1.60	1.18	1.01	1.73	.82	1.09	1.14	1.53	1.68	1.91
26	2.62	1.59	1.71	1.67	1.00	1.38	.70	1.21	1.31	1.61	1.74	2.12
27	2.76	1.70	1.51	1.36	1.06	1.51	.93	1.26	1.38	1.83	2.02	1.84
28	2.79	1.79	1.45	1.21	1.21	1.32	1.32	1.35	1.53	1.85	1.97	1.79
29	1.88	1.54	1.32	1.66	1.30	1.00	2.01	1.43	1.79	1.98	1.72	1.90
30	1.42	1.35	1.79	1.47	---	1.68	.98	1.57	1.83	2.24	1.80	1.84
31	1.87	---	2.30	1.50	---	1.22	---	1.74	---	2.10	1.62	---
TOTAL	---	53.90	52.85	49.19	37.75	42.31	40.74	43.59	43.68	50.94	51.74	52.03
MEAN	---	1.80	1.70	1.59	1.30	1.36	1.36	1.41	1.46	1.64	1.67	1.73
MAX	---	2.40	2.56	2.48	2.18	2.19	2.01	1.92	1.98	2.24	2.02	2.12
MIN	---	1.13	.40	.63	-.07	.48	.70	.95	.90	1.16	1.34	1.42

CHARLOTTE HARBOR AND COASTAL AREA

02293280 MATLACHA PASS AT PARROTS PERCH NEAR ST. JAMES CITY, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY TIDAL LOW (DAILY) VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.28	.48	-.26	.40	-.50	-.53	-.13	-.77	-.90	-.93	-.33	-.29
2	.48	.29	-.42	.13	-.38	-.14	-.90	-.86	-.87	-.81	-.23	-.28
3	1.34	.21	-.47	-.09	-.15	-.93	-.75	-.89	-.66	-.72	-.20	-.31
4	1.88	-.14	-.64	-.92	-1.10	-1.05	-.39	-.84	-.56	-.51	-.16	-.13
5	---	-.80	-.84	-.77	-1.12	-.47	-.50	-.83	-.70	.07	-.11	-.08
6	---	-.55	-.95	-.88	-1.11	-.10	-.46	-.85	-.67	-.17	-.20	-.18
7	---	-.19	-.63	-.37	-.93	-.05	-.54	-.76	-.44	-.42	-.15	-.19
8	---	.17	-.70	-1.12	-.47	-1.05	-.56	-.74	.00	-.22	-.30	-.17
9	---	-1.10	-.43	-1.12	-.36	-1.06	-.56	-.57	.05	-.38	-.29	-.15
10	---	-.49	-.59	-.78	-.15	-1.06	-.59	-.57	-.08	-.57	-.19	-.23
11	.25	-.14	-1.14	-.49	-.14	-1.06	-1.02	-.31	-.34	-.51	-.38	-.10
12	.02	-.51	-.81	-.08	-.26	-1.07	-.72	-.33	-.42	-.58	-.37	.00
13	.08	-.17	-.26	-.82	-.95	-.87	-.25	-.41	-.71	-.70	-.32	-.10
14	.49	-.10	-.11	-.49	-.85	-.75	-.18	-.67	-.72	-.50	-.35	-.12
15	.47	-.40	-.11	-.59	-.60	-.71	-.11	-.70	-.71	-.66	-.26	-.19
16	-.20	-.39	.10	-.68	-.39	-.54	-1.04	-.87	-.84	-.53	-.31	.11
17	.40	-.11	-.03	-.75	-1.11	-.31	-.98	-.68	-.81	-.68	-.15	.00
18	.80	-.18	-.10	-.59	-.94	-.12	-.72	-.76	-.71	-.60	-.17	-.14
19	.83	-.20	.02	-.49	-.56	-.68	-.74	-.74	-.71	-.46	-.28	-.34
20	.88	-.49	-.15	-.97	-.53	-.53	-.70	-.55	-.75	-.36	-.07	-.29
21	.09	-.35	-.79	-.71	-.84	-.87	-.82	-.24	-.75	-.27	-.34	-.08
22	-.31	-.81	-.63	-1.08	-.67	-.87	-.72	-.34	-.67	-.27	-.16	-.14
23	-.22	-.71	-.86	-.88	-.53	-.90	-.46	-.63	-.53	-.10	-.34	-.37
24	-.20	-.45	-.91	-.08	-.63	-.66	-.63	-.46	-.60	-.09	-.72	-.19
25	-.25	-.51	-.77	-.47	-.80	-.49	-.53	-.35	-.41	-.36	-.62	-.09
26	-.11	-.76	-.48	-.36	-.68	-.35	-.58	-.18	-.66	-.66	-.77	-.12
27	.16	-.38	-.08	.11	-.63	-.47	-.56	-.08	-.73	-.62	-.58	-.37
28	.21	-.18	.07	-.58	-.69	-.01	-.27	-.28	-.82	-.76	-.49	-.36
29	-.69	-.06	-.25	-.56	-.49	-.32	-.10	-.45	-.83	-.67	-.53	-.34
30	-.24	-.36	-.21	-.38	---	-.41	-.76	-.70	-.90	-.52	-.34	-.39
31	.21	---	-.10	-.47	---	-.33	---	-.75	---	-.49	-.36	---
TOTAL	---	-9.38	-13.53	-16.93	-18.56	-18.76	-17.27	-18.16	-18.45	-15.05	-10.07	-5.63
MEAN	---	-.31	-.44	-.55	-.64	-.61	-.58	-.59	-.62	-.49	-.32	-.19
MAX	---	.48	.10	.40	-.14	-.01	-.10	-.08	.05	.07	-.07	.11
MIN	---	-1.10	-1.14	-1.12	-1.12	-1.07	-1.04	-.89	-.90	-.93	-.77	-.39

02293343 MATLACHA PASS AT MATLACHA, FL

LOCATION.--Lat 26°37'55", long 82°04'05", in NW1/4 sec.24 T.44 S., R.22 E., Lee County, Hydrologic Unit 03100103, (Pine Island Center Quadrangle), at Pine Island Bridge, at Matlacha.

DRAINAGE AREA.--Indeterminate. Tidal zone.

PERIOD OF RECORD.--August 1989 to current year.

GAGE.--Water-stage recorder and CR-10 with temperature and conductance probes. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Also sampled for water quality. The stage published is the maximum and minimum tide event for each calendar day.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 3.58 ft Mar. 13, 1993; minimum, -1.87 ft Dec. 24, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 3.35 ft Oct. 4; minimum, -1.60 ft Dec. 11.

STATION NUMBER 02293343
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY TIDAL HIGH (DAILY) VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.31	1.83	1.32	2.17	---	---	1.48	.99	1.68	2.03	2.06	---
2	2.27	1.76	1.43	2.19	---	---	1.17	1.33	1.89	2.05	1.91	---
3	2.55	1.74	1.42	2.14	---	---	1.03	1.68	2.14	1.93	1.63	---
4	3.35	1.62	1.42	1.59	---	---	1.67	1.65	2.19	1.95	1.38	---
5	3.05	1.33	1.45	1.64	---	---	1.69	1.79	1.87	1.70	1.47	---
6	2.54	1.83	1.60	1.55	.42	---	1.80	1.76	1.53	1.30	1.55	---
7	2.15	1.96	1.71	1.88	.83	---	1.65	1.72	1.36	1.10	1.61	---
8	2.10	2.24	1.67	1.00	1.06	---	1.65	1.65	1.59	1.44	1.76	---
9	2.06	1.18	1.81	.42	1.22	---	1.65	1.53	1.64	1.56	1.76	---
10	2.31	1.44	1.88	---	1.43	---	1.01	1.15	1.54	1.58	1.83	---
11	2.21	1.73	.14	---	1.57	---	1.05	1.18	1.72	1.71	1.84	---
12	1.86	2.09	.73	---	.81	---	1.46	1.24	1.77	1.73	1.91	---
13	1.92	1.17	1.17	---	.93	---	1.54	1.44	1.56	1.73	1.86	---
14	2.01	1.23	1.43	---	1.49	---	1.54	1.26	1.63	1.83	1.82	---
15	2.37	1.00	1.24	---	1.81	---	1.60	1.38	1.72	1.80	1.96	---
16	.97	1.02	1.70	---	1.77	---	1.50	1.45	1.72	1.85	1.66	---
17	1.65	1.34	1.82	---	1.19	---	1.03	1.68	1.69	1.68	1.66	---
18	1.90	1.67	2.28	---	1.37	---	1.44	1.71	1.64	1.39	1.42	---
19	2.06	1.63	2.52	---	1.62	---	1.61	1.61	1.52	1.57	1.07	---
20	2.33	2.03	2.50	---	1.54	---	1.59	1.77	1.42	1.29	---	---
21	2.33	2.03	1.89	---	1.01	---	1.53	1.82	1.23	1.21	---	---
22	1.57	1.84	2.03	---	1.14	---	1.53	1.76	1.00	1.27	---	---
23	1.88	1.91	1.69	---	.91	---	1.39	1.14	1.04	1.49	---	---
24	2.04	2.19	1.59	---	.97	---	1.20	1.07	1.04	1.79	---	---
25	2.05	2.18	1.43	---	.95	---	1.07	1.11	1.21	1.51	---	---
26	2.39	1.37	1.57	---	---	---	1.00	1.22	1.50	1.68	---	---
27	2.47	1.55	1.37	---	---	---	.84	1.38	1.47	1.83	---	---
28	2.67	1.60	1.37	---	---	---	.99	1.48	1.59	1.82	---	---
29	1.63	1.36	1.23	---	---	.96	1.32	1.61	1.84	1.96	---	---
30	1.21	1.16	1.72	---	---	1.48	2.19	1.81	1.73	2.30	---	---
31	1.68	---	2.25	---	---	1.16	---	1.78	---	2.17	---	---
TOTAL	65.89	49.03	49.38	---	---	---	42.22	46.15	47.47	52.25	---	---
MEAN	2.13	1.63	1.59	---	---	---	1.41	1.49	1.58	1.69	---	---
MAX	3.35	2.24	2.52	---	---	---	2.19	1.82	2.19	2.30	---	---
MIN	.97	1.00	.14	---	---	---	.84	.99	1.00	1.10	---	---

CHARLOTTE HARBOR AND COASTAL AREA

02293343 MATLACHA PASS AT MATLACHA, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY TIDAL LOW (DAILY) VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.12	.40	-.38	.40	---	---	-.05	-.59	-.79	-.68	-.09	---
2	.28	.25	-.38	.08	---	---	-.92	-.68	-.69	-.55	-.01	---
3	1.17	.13	-.55	-.11	---	---	-.71	-.65	-.51	-.49	-.01	---
4	1.97	-.10	-.60	-1.00	---	---	-.25	-.62	-.47	-.47	-.02	---
5	.91	-.87	-.84	-.83	---	---	-.34	-.69	-.42	-.21	.11	---
6	.78	-.67	1.00	-.93	-1.39	---	-.39	-.66	-.52	.07	-.14	---
7	.35	-.31	-.68	-.22	-.94	---	-.32	-.71	-.53	-.24	.00	---
8	.04	.32	-.75	-.65	-.52	---	-.37	-.57	-.21	-.01	-.10	---
9	.09	-1.21	-.50	-1.15	-.44	---	-.48	-.57	.12	-.21	-.03	---
10	.08	-.68	-.59	---	-.18	---	-.54	-.41	.15	-.36	.04	---
11	.08	-.31	-1.60	---	-.21	---	-1.02	-.37	-.10	-.26	-.08	---
12	-.16	-.66	-1.07	---	-.23	---	-.73	-.06	-.33	-.38	-.09	---
13	-.12	-.26	-.38	---	-.83	---	-.23	-.03	-.47	-.53	-.04	---
14	.21	-.06	-.21	---	-.95	---	-.07	-.56	-.55	-.29	-.08	---
15	.35	-.47	-.25	---	-.65	---	.08	-.59	-.51	-.40	-.06	---
16	-.60	-.47	.01	---	-.34	---	-.68	-.63	-.54	-.35	-.07	---
17	-.02	-.20	-.13	---	-1.55	---	-.75	-.49	-.61	-.58	.00	---
18	.58	-.31	-.18	---	-.95	---	-.48	-.63	-.55	-.50	-.06	---
19	.75	-.28	.08	---	-.54	---	-.53	-.57	-.54	-.40	-.16	---
20	.80	-.56	.27	---	-.48	---	-.62	-.48	-.48	-.23	---	---
21	-.04	-.39	-.78	---	-.74	---	-.67	-.30	-.50	-.12	---	---
22	-.46	-.89	-.66	---	-.67	---	-.74	-.09	-.40	-.05	---	---
23	-.42	-.76	-.75	---	-.56	---	-.42	-.25	-.25	.07	---	---
24	-.34	-.51	-.82	---	-.63	---	-.42	-.49	-.29	.09	---	---
25	-.34	-.47	-.75	---	-.81	---	-.55	-.25	-.11	-.20	---	---
26	-.26	-.81	-.44	---	---	---	-.38	-.17	-.33	-.43	---	---
27	.01	-.49	-.15	---	---	---	-.40	-.01	-.55	-.51	---	---
28	.19	-.34	-.03	---	---	---	-.43	.03	-.56	-.61	---	---
29	-.82	.04	-.31	---	---	-.41	-.15	-.09	-.63	-.44	---	---
30	-.53	-.38	-.24	---	---	-.45	.13	-.37	-.78	-.30	---	---
31	.01	---	-.15	---	---	-.29	---	-.62	---	-.22	---	---
TOTAL	4.66	-11.32	-12.81	---	---	---	-13.43	-13.17	-12.95	-9.79	---	---
MEAN	.15	-.38	-.41	---	---	---	-.45	-.42	-.43	-.32	---	---
MAX	1.97	.40	1.00	---	---	---	.13	.03	.15	.09	---	---
MIN	-.82	-1.21	-1.60	---	---	---	-1.02	-.71	-.79	-.68	---	---

CHARLOTTE HARBOR AND COASTAL AREA
02293343 MATLACHA PASS AT MATLACHA, FL

PAGE 353

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1994 to September 1996.

PROBE 1
WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.4	25.5	21.8	17.7	---	---	---	---	29.0	29.4	30.9	---
2	30.3	26.6	21.4	19.7	---	---	---	---	27.4	30.3	31.3	---
3	29.7	27.2	21.5	20.2	---	---	---	---	26.9	31.0	31.5	---
4	29.1	27.1	21.5	18.3	---	---	---	---	27.7	30.9	31.2	---
5	28.0	25.7	21.4	17.6	---	---	---	---	28.7	30.1	30.6	---
6	27.6	25.7	21.9	17.4	11.8	---	---	---	29.8	29.6	30.0	---
7	28.0	26.2	22.5	17.6	13.6	---	---	---	30.7	30.3	30.1	---
8	28.6	25.6	23.1	13.5	15.5	---	---	---	30.2	31.2	30.3	---
9	29.2	21.8	23.5	11.6	17.1	---	---	---	30.1	31.4	30.1	---
10	29.7	21.2	22.2	---	18.5	---	---	---	29.6	30.4	30.3	---
11	30.1	22.6	17.2	---	19.8	---	---	---	29.7	30.6	30.7	---
12	30.1	22.6	17.3	---	19.2	---	---	---	29.8	31.5	31.0	---
13	29.8	20.7	18.3	---	15.7	---	---	---	29.7	32.1	31.0	---
14	28.9	20.8	19.6	---	15.8	---	---	---	30.1	31.6	31.3	---
15	28.6	19.1	20.8	---	17.2	---	---	---	30.2	31.0	31.7	---
16	26.3	17.8	21.6	---	18.3	---	---	---	29.7	30.8	31.6	---
17	24.6	18.4	22.1	---	14.3	---	---	---	29.0	30.9	31.8	---
18	24.7	19.0	22.1	---	14.3	---	---	---	29.8	30.6	31.2	---
19	25.3	19.7	22.0	---	16.3	---	---	---	30.5	30.6	30.4	---
20	26.2	20.2	20.5	---	18.0	---	---	---	30.3	31.5	---	---
21	26.1	20.7	18.4	---	20.2	---	---	---	29.8	32.1	---	---
22	25.2	19.3	16.7	---	21.9	---	---	---	30.8	32.6	---	---
23	25.2	18.5	15.1	---	23.2	---	---	---	31.6	32.9	---	---
24	26.2	19.3	13.3	---	24.2	---	---	29.0	32.1	32.3	---	---
25	26.6	19.3	12.4	---	24.8	---	---	30.5	31.9	32.2	---	---
26	27.0	18.9	13.2	---	---	---	---	31.4	32.0	32.5	---	---
27	27.8	19.7	13.2	---	---	---	---	31.8	31.9	32.1	---	---
28	28.4	20.8	13.1	---	---	---	---	31.9	30.8	31.1	---	---
29	26.4	22.1	13.0	---	---	---	---	31.4	31.1	30.3	---	---
30	24.8	21.9	14.1	---	---	---	---	30.4	30.1	30.2	---	---
31	24.6	---	15.8	---	---	---	---	30.2	---	30.2	---	---
TOTAL	853.5	654.0	580.6	---	---	---	---	---	901.0	964.3	---	---
MEAN	27.5	21.8	18.7	---	---	---	---	---	30.0	31.1	---	---
MAX	30.4	27.2	23.5	---	---	---	---	---	32.1	32.9	---	---
MIN	24.6	17.8	12.4	---	---	---	---	---	26.9	29.4	---	---

CHARLOTTE HARBOR AND COASTAL AREA
02293343 MATLACHA PASS AT MATLACHA, FL

WATER-QUALITY RECORDS

PROBE 1

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13500	12900	25900	33800	---	---	---	---	38200	32600	16300	---
2	14200	13100	27200	34900	---	---	---	---	38300	32400	15300	---
3	15000	13400	26000	35100	---	---	---	---	38400	32300	14400	---
4	21400	15400	26300	34000	---	---	---	---	38400	32100	14300	---
5	29500	14300	28200	33400	---	---	---	---	37700	31800	14400	---
6	28500	13900	28900	32400	40700	---	---	---	37500	29000	14800	---
7	23900	13900	27800	33400	40100	---	---	---	37000	24300	15700	---
8	21400	14300	26600	38300	39600	---	---	---	38100	22100	15000	---
9	19900	21100	27200	38300	39000	---	---	---	38700	21500	14800	---
10	15000	19200	29200	---	38400	---	---	---	37700	22200	15100	---
11	12400	15600	32900	---	37700	---	---	---	37300	23200	15500	---
12	11300	23800	34600	---	39700	---	---	---	37200	23000	15800	---
13	9880	29900	32400	---	42100	---	---	---	36500	22600	16100	---
14	8660	32300	29900	---	42300	---	---	---	37300	22400	15400	---
15	7020	34600	28200	---	41900	---	---	---	37100	22300	15400	---
16	8170	34700	28100	---	41800	---	---	---	37000	22500	15800	---
17	7270	33600	28100	---	43500	---	---	---	35700	21900	15800	---
18	5880	32200	27100	---	43500	---	---	---	34900	22100	16000	---
19	6490	30800	28400	---	42900	---	---	---	34500	21600	15600	---
20	8680	29300	32200	---	42300	---	---	---	35200	21300	---	---
21	9560	27400	35600	---	41300	---	---	---	35300	20900	---	---
22	9020	30000	36600	---	41100	---	---	---	36200	20900	---	---
23	8400	29100	37600	---	41000	---	---	---	36700	21100	---	---
24	8740	28000	39600	---	40900	---	---	41000	36100	20600	---	---
25	9040	29100	40000	---	40500	---	---	39900	35400	20500	---	---
26	9060	29300	39800	---	---	---	---	39100	35000	20200	---	---
27	9770	27800	40300	---	---	---	---	38700	34100	20300	---	---
28	12500	26600	39200	---	---	---	---	38800	33500	20100	---	---
29	18500	25100	38300	---	---	---	---	38100	33800	19700	---	---
30	16400	26200	38300	---	---	---	---	37800	32800	18500	---	---
31	13700	---	36100	---	---	---	---	37600	---	17200	---	---
TOTAL	412740	726900	996600	---	---	---	---	---	1091600	723200	---	---
MEAN	13300	24200	32100	---	---	---	---	---	36400	23300	---	---
MAX	29500	34700	40300	---	---	---	---	---	38700	32600	---	---
MIN	5880	12900	25900	---	---	---	---	---	32800	17200	---	---

CHARLOTTE HARBOR AND COASTAL AREA

PAGE 355

02293343 MATLACHA PASS AT MATLACHA, FL

WATER-QUALITY RECORDS

PROBE 2

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.1	25.1	21.8	17.6	---	---	---	---	29.1	29.4	30.8	---
2	30.5	25.6	21.4	19.3	---	---	---	---	27.5	30.2	31.2	---
3	29.9	26.1	21.5	20.0	---	---	---	---	26.9	30.9	31.5	---
4	29.4	26.7	21.6	18.6	---	---	---	---	27.5	30.9	31.1	---
5	28.5	25.9	21.6	17.6	---	---	---	---	28.4	30.0	30.5	---
6	27.8	25.5	22.0	17.4	11.8	---	---	---	29.7	29.5	30.0	---
7	28.1	26.1	22.6	17.5	13.5	---	---	---	30.6	30.1	30.0	---
8	28.8	25.8	23.1	13.9	15.4	---	---	---	30.2	31.1	30.3	---
9	29.4	22.0	23.6	11.5	16.9	---	---	---	30.0	31.2	30.0	---
10	29.9	21.3	22.3	---	18.3	---	---	---	29.7	30.4	30.3	---
11	30.0	22.5	17.6	---	19.7	---	---	---	29.6	30.5	30.6	---
12	30.1	22.5	17.3	---	19.2	---	---	---	29.7	31.3	30.9	---
13	29.8	20.4	18.2	---	15.6	---	---	---	29.7	32.0	30.9	---
14	29.1	20.5	19.5	---	15.7	---	---	---	30.0	31.5	31.2	---
15	28.9	18.9	20.2	---	17.1	---	---	---	30.2	30.9	31.6	---
16	27.1	17.6	20.2	---	18.2	---	---	---	29.7	30.8	31.5	---
17	24.7	18.2	20.9	---	14.1	---	---	---	28.9	30.7	31.7	---
18	24.8	18.9	21.9	---	14.2	---	---	---	29.7	30.5	31.1	---
19	25.4	19.7	22.0	---	16.2	---	---	---	30.5	30.5	30.4	---
20	26.0	20.2	20.5	---	18.0	---	---	---	30.2	31.5	---	---
21	26.1	20.7	18.6	---	20.0	---	---	---	29.7	32.0	---	---
22	25.3	19.4	16.9	---	21.7	---	---	---	30.6	32.4	---	---
23	25.3	18.5	15.1	---	23.1	---	---	---	31.6	32.7	---	---
24	26.1	19.2	13.2	---	23.9	---	---	28.8	32.0	32.2	---	---
25	26.5	19.2	12.3	---	24.7	---	---	30.3	31.9	32.2	---	---
26	26.7	18.7	12.9	---	---	---	---	31.3	31.9	32.3	---	---
27	27.7	19.5	13.1	---	---	---	---	31.7	31.8	32.0	---	---
28	27.6	20.7	13.1	---	---	---	---	31.8	30.7	31.0	---	---
29	26.9	21.9	12.9	---	---	---	---	31.5	31.0	30.3	---	---
30	25.0	21.6	14.0	---	---	---	---	30.6	30.0	30.2	---	---
31	24.6	---	15.8	---	---	---	---	30.2	---	30.2	---	---
TOTAL	856.1	648.9	577.7	---	---	---	---	---	899.0	961.4	---	---
MEAN	27.6	21.6	18.6	---	---	---	---	---	30.0	31.0	---	---
MAX	30.5	26.7	23.6	---	---	---	---	---	32.0	32.7	---	---
MIN	24.6	17.6	12.3	---	---	---	---	---	26.9	29.4	---	---

PROBE 2

[illegible]

02293345 SHADROE CANAL AT CAPE CORAL, FL

LOCATION.--Lat 26°39'05", long 82°02'10", in SW1/4 sec.8 T.44 S., R.23 E., Lee County, Hydrologic Unit 03100103, (Matlacha Quadrangle), near right bank on downstream side of wingwall of bridge on Embers Parkway, 75 ft west of N.W. 29th Place, 275 ft east of SR-765 (Burnt Store Road) and 0.3 mi upstream of weir, at Cape Coral.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (State Road Department Bench Mark).

REMARKS.--No estimated daily discharges. Records fair.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT)SUMMARY STATISTICS.--Figures represent 9 complete water years of discharge (1988-96).

STATION NUMBER 02293345												
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.84	2.79	2.54	2.58	2.50	2.46	2.49	2.45	2.49	2.58	2.53	2.49
2	2.79	2.75	2.53	2.59	2.50	2.51	2.47	2.45	2.48	2.57	2.52	2.49
3	2.78	2.73	2.52	2.76	2.51	2.50	2.47	2.45	2.48	2.58	2.57	2.49
4	2.88	2.71	2.52	2.67	2.50	2.48	2.47	2.48	2.48	2.57	2.61	2.49
5	2.87	2.69	2.52	2.62	2.48	2.47	2.47	2.49	2.48	2.61	2.57	2.49
6	3.08	2.68	2.52	2.60	2.48	2.47	2.47	2.47	2.48	2.65	2.57	2.49
7	3.56	2.67	2.52	2.64	2.49	2.47	2.47	2.45	2.48	2.59	2.57	2.49
8	3.13	2.67	2.52	2.62	2.49	2.46	2.49	2.44	2.51	2.57	2.56	2.51
9	3.10	2.66	2.52	2.60	2.49	2.45	2.49	2.48	2.57	2.58	2.57	2.59
10	2.93	2.65	2.52	2.60	2.49	2.46	2.48	2.53	2.51	2.62	2.60	2.60
11	2.86	2.65	2.51	2.59	2.49	2.50	2.47	2.50	2.50	2.59	2.56	2.66
12	2.82	2.64	2.51	2.61	2.49	2.49	2.47	2.49	2.52	2.57	2.54	2.62
13	2.90	2.63	2.51	2.61	2.48	2.48	2.47	2.48	2.55	2.57	2.54	2.57
14	3.05	2.63	2.52	2.60	2.47	2.48	2.47	2.47	2.52	2.58	2.54	2.55
15	3.35	2.62	2.52	2.59	2.48	2.48	2.47	2.46	2.51	2.63	2.54	2.54
16	3.02	2.61	2.52	2.59	2.49	2.48	2.46	2.44	2.55	2.61	2.54	2.54
17	2.94	2.61	2.52	2.59	2.48	2.48	2.45	2.43	2.56	2.60	2.57	2.53
18	3.07	2.61	2.52	2.59	2.48	2.48	2.44	2.44	2.54	2.59	2.59	2.53
19	3.04	2.61	2.54	2.59	2.48	2.48	2.44	2.44	2.56	2.56	2.59	2.55
20	2.99	2.61	2.54	2.58	2.48	2.46	2.44	2.46	2.59	2.58	2.64	2.54
21	2.93	2.61	2.52	2.58	2.48	2.45	2.44	2.60	2.67	2.57	2.57	2.53
22	2.86	2.61	2.51	2.58	2.48	2.45	2.44	2.59	2.59	2.56	2.53	2.53
23	2.82	2.60	2.51	2.57	2.48	2.45	2.44	2.54	2.57	2.55	2.52	2.53
24	2.79	2.60	2.51	2.56	2.48	2.45	2.44	2.52	2.65	2.53	2.51	2.52
25	2.77	2.60	2.51	2.52	2.48	2.45	2.43	2.51	2.75	2.51	2.51	2.51
26	2.76	2.60	2.51	2.50	2.47	2.45	2.43	2.51	2.63	2.50	2.51	2.50
27	2.74	2.60	2.51	2.50	2.47	2.46	2.43	2.50	2.65	2.49	2.51	2.50
28	2.73	2.60	2.51	2.49	2.47	2.58	2.43	2.50	2.65	2.49	2.52	2.50
29	2.70	2.60	2.51	2.49	2.47	2.52	2.43	2.49	2.62	2.49	2.51	2.50
30	2.69	2.56	2.51	2.49	---	2.50	2.44	2.51	2.60	2.50	2.50	2.52
31	2.71	---	2.57	2.50	---	2.49	---	2.51	---	2.53	2.50	---
TOTAL	90.50	79.20	78.12	80.00	72.03	76.79	73.70	77.08	76.74	79.52	79.01	75.90
MEAN	2.92	2.64	2.52	2.58	2.48	2.48	2.46	2.49	2.56	2.57	2.55	2.53
MAX	3.56	2.79	2.57	2.76	2.51	2.58	2.49	2.60	2.75	2.65	2.64	2.66
MIN	2.69	2.56	2.51	2.49	2.47	2.45	2.43	2.43	2.48	2.49	2.50	2.49

CHARLOTTE HARBOR AND COASTAL AREA

02293345 SHADROE CANAL AT CAPE CORAL, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	54	2.2	11	5.5	.74	4.3	1.8	4.7	15	7.1	5.0
2	55	42	2.0	13	5.2	4.0	3.4	1.6	4.4	14	6.6	4.6
3	52	36	1.9	48	7.0	2.7	2.9	1.8	4.6	15	14	4.6
4	88	31	1.9	28	5.1	1.7	2.9	4.1	4.7	14	19	4.4
5	80	27	1.8	18	3.2	1.3	3.0	4.9	4.6	21	13	4.4
6	246	25	1.8	16	3.2	1.5	3.1	2.8	4.5	29	13	4.6
7	487	24	1.8	23	3.5	1.4	3.3	2.0	4.3	16	13	4.6
8	191	23	1.9	19	3.8	1.1	4.9	1.4	8.9	12	11	6.8
9	179	20	2.4	17	3.8	.72	5.0	5.6	16	15	12	18
10	103	19	2.6	17	3.8	1.6	3.9	8.5	7.5	21	18	18
11	78	18	1.9	16	3.5	3.8	3.1	5.6	6.5	16	12	32
12	67	17	1.9	19	2.8	2.8	2.9	4.3	9.9	13	9.2	23
13	91	15	1.8	18	2.1	2.4	3.0	3.5	13	12	9.0	14
14	155	14	2.1	17	2.1	2.3	3.1	3.2	8.6	14	9.6	12
15	326	12	3.0	17	2.4	2.3	2.9	2.4	7.4	22	9.9	10
16	146	12	3.1	17	3.2	2.4	2.5	1.3	13	18	10	9.4
17	108	11	3.1	17	2.4	2.8	1.6	1.1	14	17	14	9.0
18	164	11	3.0	17	2.2	3.2	1.4	1.2	11	14	17	8.6
19	150	11	4.5	17	1.8	2.8	1.4	1.7	14	11	18	11
20	128	10	4.6	15	1.8	2.0	1.4	2.6	20	12	25	9.9
21	103	9.9	3.8	16	1.8	1.3	1.3	23	36	11	15	8.5
22	78	9.3	3.4	17	2.0	1.3	1.3	18	18	9.5	8.7	8.4
23	66	8.7	3.4	16	2.1	1.3	1.2	9.7	15	8.7	7.1	8.2
24	57	8.7	3.0	15	1.8	1.8	1.3	7.5	33	6.8	6.5	7.1
25	52	8.7	2.9	8.6	1.7	1.8	1.2	6.7	55	4.4	6.3	6.3
26	47	8.0	3.0	6.5	1.0	1.9	1.1	6.2	25	3.7	6.1	5.7
27	41	7.5	3.3	6.5	1.0	2.5	1.1	5.9	29	3.2	6.9	5.7
28	38	7.5	3.8	5.3	1.1	17	1.1	5.3	28	2.9	7.1	5.5
29	33	7.8	3.8	4.6	.94	7.5	1.1	4.9	22	2.7	6.4	5.8
30	29	4.1	4.0	4.8	---	5.5	1.4	6.1	19	4.4	5.5	8.2
31	34	---	9.4	5.4	---	4.8	---	6.3	---	7.5	5.3	---
TOTAL	3541	512.2	93.1	485.7	81.84	90.26	72.1	161.0	461.6	385.8	341.3	283.3
MEAN	114	17.1	3.00	15.7	2.82	2.91	2.40	5.19	15.4	12.4	11.0	9.44
MAX	487	54	9.4	48	7.0	17	5.0	23	55	29	25	32
MIN	29	4.1	1.8	4.6	.94	.72	1.1	1.1	4.3	2.7	5.3	4.4
AC-FT	7020	1020	185	963	162	179	143	319	916	765	677	562

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1996, BY WATER YEAR (WY)

MEAN	21.9	6.10	2.41	5.28	3.67	3.89	2.45	3.37	10.3	19.1	20.7	22.0
MAX	114	17.1	5.83	15.7	8.11	9.86	7.98	14.4	22.3	63.6	68.4	75.8
(WY)	1996	1996	1988	1996	1987	1987	1987	1987	1992	1995	1995	1995
MIN	2.56	.50	.000	1.13	1.82	.37	.069	.12	.011	3.31	3.43	3.77
(WY)	1989	1991	1991	1990	1990	1990	1990	1989	1988	1988	1989	1990

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1987 - 1996

ANNUAL TOTAL	11585.66	6509.20	
ANNUAL MEAN	31.7	17.8	9.55
HIGHEST ANNUAL MEAN			21.8
LOWEST ANNUAL MEAN			3.70
HIGHEST DAILY MEAN	674	487	674
LOWEST DAILY MEAN	.00	.72	.00
ANNUAL SEVEN-DAY MINIMUM	.00	1.2	.00
INSTANTANEOUS PEAK FLOW		1080	1560
INSTANTANEOUS PEAK STAGE		4.22	4.61
INSTANTANEOUS LOW FLOW		.52	.00
ANNUAL RUNOFF (AC-FT)	22980	12910	6920
10 PERCENT EXCEEDS	79	33	22
50 PERCENT EXCEEDS	5.5	6.7	3.5
90 PERCENT EXCEEDS	1.3	1.8	.38

02293346 HORSESHOE CANAL AT CAPE CORAL, FL

LOCATION.--Lat 26°40'49", long 82°02'19", in SW1/4 sec.5, T.44 S., R.23 E., Lee County, Hydrologic Unit 03100103, (Matlacha Quadrangle), on left bank, 100 ft north of Diplomat Parkway and 200 ft east of SR-765 (Burnt Store Road) in Cape Coral.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (State Road Department bench mark).

REMARKS.--No estimated daily discharges. Records fair.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 9 complete water years of discharge (1988-96).

STATION NUMBER 02293346												
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.84	2.83	2.59	2.66	2.55	2.55	2.59	2.52	2.63	2.84	2.75	2.70
2	2.86	2.82	2.62	2.67	2.55	2.63	2.59	2.51	2.60	2.82	2.74	2.68
3	2.95	2.80	2.63	2.78	2.58	2.62	2.59	2.50	2.59	2.79	2.77	2.66
4	3.01	2.79	2.62	2.73	2.61	2.60	2.59	2.51	2.62	2.78	2.82	2.65
5	3.05	2.78	2.59	2.72	2.62	2.55	2.56	2.53	2.62	2.83	2.79	2.64
6	3.26	2.77	2.60	2.71	2.62	2.53	2.55	2.50	2.62	2.87	2.78	2.64
7	3.50	2.76	2.62	2.73	2.62	2.52	2.53	2.48	2.59	2.85	2.79	2.64
8	3.26	2.77	2.60	2.71	2.62	2.52	2.55	2.46	2.62	2.84	2.81	2.66
9	3.35	2.76	2.61	2.71	2.61	2.55	2.58	2.46	2.71	2.83	2.81	2.73
10	3.22	2.76	2.62	2.71	2.61	2.58	2.59	2.50	2.65	2.83	2.80	2.75
11	3.15	2.76	2.62	2.71	2.61	2.62	2.56	2.49	2.66	2.83	2.79	2.87
12	3.11	2.75	2.58	2.71	2.60	2.59	2.54	2.50	2.73	2.83	2.77	2.97
13	3.16	2.75	2.60	2.68	2.60	2.57	2.55	2.48	2.85	2.83	2.75	2.95
14	3.21	2.74	2.62	2.70	2.60	2.56	2.57	2.49	2.79	2.82	2.73	2.90
15	3.28	2.74	2.62	2.70	2.59	2.56	2.58	2.51	2.76	2.80	2.71	2.89
16	3.11	2.74	2.58	2.70	2.56	2.58	2.55	2.48	2.85	2.79	2.71	3.00
17	3.07	2.73	2.61	2.70	2.53	2.59	2.52	2.48	2.95	2.79	2.71	2.92
18	3.17	2.73	2.62	2.70	2.53	2.59	2.51	2.47	2.91	2.78	2.70	2.87
19	3.08	2.73	2.60	2.70	2.53	2.55	2.51	2.49	2.91	2.76	2.71	2.86
20	3.09	2.73	2.56	2.70	2.53	2.53	2.52	2.52	2.88	2.76	2.77	2.80
21	3.05	2.73	2.57	2.69	2.53	2.53	2.53	2.62	2.89	2.75	2.74	2.78
22	2.99	2.72	2.60	2.69	2.56	2.52	2.54	2.67	2.86	2.75	2.70	2.78
23	2.95	2.72	2.62	2.69	2.58	2.54	2.51	2.72	2.85	2.75	2.65	2.77
24	2.91	2.73	2.62	2.68	2.55	2.57	2.50	2.71	2.86	2.75	2.65	2.75
25	2.89	2.73	2.62	2.66	2.53	2.57	2.49	2.71	2.91	2.71	2.66	2.73
26	2.87	2.72	2.62	2.64	2.52	2.55	2.49	2.70	2.85	2.65	2.68	2.72
27	2.85	2.72	2.59	2.63	2.55	2.53	2.48	2.69	2.90	2.64	2.74	2.71
28	2.83	2.72	2.56	2.63	2.57	2.61	2.50	2.67	2.93	2.64	2.77	2.70
29	2.82	2.70	2.56	2.62	2.56	2.58	2.51	2.66	2.90	2.63	2.79	2.72
30	2.81	2.66	2.59	2.58	---	2.58	2.50	2.66	2.87	2.65	2.76	2.77
31	2.82	---	2.65	2.56	---	2.59	---	2.66	---	2.82	2.73	---
TOTAL	94.52	82.39	80.71	83.20	74.62	79.56	76.18	79.35	83.36	86.01	85.08	83.21
MEAN	3.05	2.75	2.60	2.68	2.57	2.57	2.54	2.56	2.78	2.77	2.74	2.77
MAX	3.50	2.83	2.65	2.78	2.62	2.63	2.59	2.72	2.95	2.87	2.82	3.00
MIN	2.81	2.66	2.56	2.56	2.52	2.52	2.48	2.46	2.59	2.63	2.65	2.64

CHARLOTTE HARBOR AND COASTAL AREA

02293346 HORSESHOE CANAL AT CAPE CORAL, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	33	5.9	15	2.0	1.1	5.4	.32	7.3	57	34	23
2	41	30	8.8	16	1.7	7.2	5.6	.04	5.1	52	31	19
3	63	27	10	42	4.5	6.0	5.4	.06	4.8	46	40	16
4	81	24	9.3	30	6.8	4.2	4.5	.17	7.4	44	51	14
5	90	24	5.5	26	7.3	1.4	2.7	.49	8.0	54	42	13
6	183	22	7.1	25	7.9	.82	1.7	.00	7.5	67	41	14
7	282	21	9.1	29	7.4	.55	1.3	.00	4.7	62	42	14
8	166	24	6.7	25	7.3	.66	1.9	.00	13	56	47	16
9	203	24	7.8	24	6.6	1.5	4.2	.00	25	52	47	32
10	145	23	9.2	24	6.5	3.5	5.0	.00	13	54	45	37
11	118	22	9.0	24	6.3	6.2	2.4	.00	15	53	43	68
12	102	23	5.0	25	5.1	3.5	1.3	.00	30	53	38	95
13	120	23	6.5	19	4.6	2.4	1.8	.00	57	54	33	90
14	135	22	8.7	22	4.6	2.1	2.9	.00	42	50	29	76
15	164	22	9.5	23	4.1	2.3	3.3	.00	37	45	25	73
16	97	22	4.6	23	2.1	3.6	1.4	.00	60	43	24	105
17	85	22	7.6	22	.92	4.7	.67	.00	90	44	24	81
18	116	22	8.9	22	.85	4.3	.42	.00	78	41	23	66
19	89	23	6.1	22	.87	1.9	.33	.24	78	35	26	63
20	91	23	3.3	23	.85	1.1	.57	.39	70	35	37	49
21	80	23	3.7	21	.89	1.0	.80	8.7	71	34	31	42
22	66	23	6.9	21	2.0	.82	.99	13	65	33	23	43
23	55	23	9.1	21	3.1	1.8	.36	21	62	34	13	39
24	47	24	9.1	19	1.2	3.7	.09	19	65	34	14	34
25	41	25	9.4	15	.57	3.7	.00	19	78	25	16	30
26	39	25	9.1	11	.35	2.4	.00	19	62	14	19	27
27	34	25	5.1	11	1.1	1.7	.00	17	76	12	32	25
28	30	25	2.9	11	2.1	7.4	.10	14	85	12	39	22
29	29	22	3.3	9.4	1.4	4.9	.15	12	74	9.9	42	26
30	27	16	6.0	5.0	---	4.7	.06	12	65	17	37	37
31	29	---	14	2.8	---	5.6	---	12	---	50	29	---
TOTAL	2884	707	227.2	628.2	101.00	96.75	55.34	168.41	1355.8	1271.9	1017	1289
MEAN	93.0	23.6	7.33	20.3	3.48	3.12	1.84	5.43	45.2	41.0	32.8	43.0
MAX	282	33	14	42	7.9	7.4	5.6	21	90	67	51	105
MIN	27	16	2.9	2.8	.35	.55	.00	.00	4.7	9.9	13	13
AC-FT	5720	1400	451	1250	200	192	110	334	2690	2520	2020	2560

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1996, BY WATER YEAR (WY)

MEAN	30.1	10.0	3.41	7.77	5.90	8.97	7.43	11.1	43.2	58.0	54.1	44.7
MAX	93.0	23.6	7.33	22.1	13.4	28.7	27.8	43.4	88.0	115	134	102
(WY)	1996	1996	1996	1991	1987	1987	1987	1991	1995	1991	1995	1995
MIN	4.44	1.86	1.46	.73	1.52	2.81	.86	1.06	.51	31.0	27.9	12.7
(WY)	1990	1990	1991	1992	1988	1990	1989	1988	1988	1990	1990	1990

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1987 - 1996

ANNUAL TOTAL	17413.56	9801.60	
ANNUAL MEAN	47.7	26.8	23.3
HIGHEST ANNUAL MEAN			39.9
LOWEST ANNUAL MEAN			10.9
HIGHEST DAILY MEAN	1060	282	1060
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.40	.00	.00
INSTANTANEOUS PEAK FLOW		487	1420
INSTANTANEOUS PEAK STAGE		3.86	5.10
INSTANTANEOUS LOW FLOW		.00	.00
ANNUAL RUNOFF (AC-FT)	34540	19440	16860
10 PERCENT EXCEEDS	133	66	62
50 PERCENT EXCEEDS	16	19	9.2
90 PERCENT EXCEEDS	1.7	.76	1.1

02293347 HERMOSA CANAL AT CAPE CORAL, FL

LOCATION.--Lat 26°40'08", long 82°02'18", in SW1/4 sec.5, T.44 S., R.23 E., Lee County, Hydrologic Unit 03100103, (Matlacha Quadrangle), on right bank, 150 ft upstream of bridge on SR-765 (Burnt Store Road) and south of NW 9th Terrace in Cape Coral.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (State Road Department bench mark).

REMARKS.--No estimated daily discharges. Records good.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 9 complete water years of discharge (1988-96).

STATION NUMBER 02293347
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.74	2.74	2.50	2.54	2.48	2.49	2.52	2.48	2.64	2.75	2.65	2.58
2	2.79	2.71	2.51	2.55	2.48	2.57	2.52	2.48	2.59	2.73	2.64	2.57
3	2.81	2.70	2.52	2.68	2.50	2.56	2.53	2.48	2.58	2.71	2.70	2.56
4	2.99	2.68	2.52	2.62	2.51	2.54	2.53	2.50	2.61	2.70	2.76	2.55
5	2.95	2.67	2.50	2.58	2.50	2.50	2.50	2.50	2.63	2.76	2.70	2.55
6	3.50	2.66	2.50	2.57	2.52	2.48	2.48	2.48	2.63	2.82	2.69	2.55
7	3.20	2.65	2.51	2.60	2.51	2.48	2.48	2.47	2.59	2.78	2.68	2.55
8	3.23	2.67	2.50	2.58	2.50	2.48	2.50	2.46	2.60	2.76	2.70	2.56
9	3.09	2.65	2.50	2.57	2.50	2.50	2.52	2.48	2.73	2.75	2.71	2.63
10	3.02	2.64	2.52	2.58	2.50	2.53	2.54	2.50	2.65	2.77	2.71	2.64
11	2.97	2.64	2.52	2.58	2.49	2.58	2.51	2.49	2.65	2.76	2.69	2.74
12	2.98	2.64	2.50	2.59	2.49	2.55	2.49	2.48	2.74	2.74	2.68	2.80
13	3.13	2.64	2.50	2.56	2.49	2.53	2.49	2.47	2.86	2.75	2.67	2.80
14	3.16	2.63	2.51	2.56	2.49	2.52	2.52	2.48	2.78	2.73	2.66	2.78
15	3.00	2.63	2.52	2.57	2.49	2.51	2.53	2.49	2.74	2.72	2.65	2.76
16	2.94	2.63	2.51	2.57	2.48	2.52	2.51	2.47	2.84	2.70	2.65	2.83
17	2.95	2.62	2.50	2.57	2.48	2.54	2.49	2.46	2.96	2.71	2.65	2.81
18	3.02	2.62	2.50	2.56	2.47	2.54	2.49	2.46	2.89	2.69	2.65	2.76
19	2.93	2.62	2.50	2.56	2.47	2.51	2.48	2.48	2.89	2.66	2.66	2.76
20	2.93	2.62	2.50	2.56	2.47	2.49	2.48	2.51	2.86	2.66	2.70	2.70
21	2.90	2.62	2.49	2.56	2.48	2.50	2.48	2.64	2.83	2.66	2.66	2.66
22	2.85	2.62	2.50	2.56	2.49	2.49	2.48	2.68	2.78	2.65	2.61	2.68
23	2.80	2.61	2.51	2.57	2.50	2.51	2.47	2.72	2.77	2.65	2.54	2.67
24	2.78	2.62	2.51	2.55	2.49	2.53	2.47	2.71	2.82	2.64	2.53	2.65
25	2.77	2.62	2.51	2.54	2.49	2.53	2.47	2.70	2.87	2.56	2.54	2.64
26	2.76	2.62	2.51	2.51	2.48	2.51	2.47	2.70	2.76	2.54	2.55	2.62
27	2.75	2.62	2.50	2.51	2.49	2.50	2.47	2.69	2.81	2.53	2.60	2.62
28	2.74	2.61	2.49	2.52	2.50	2.57	2.47	2.67	2.86	2.53	2.62	2.61
29	2.73	2.59	2.49	2.51	2.49	2.52	2.48	2.66	2.82	2.53	2.63	2.62
30	2.72	2.52	2.49	2.48	---	2.51	2.47	2.67	2.79	2.56	2.62	2.68
31	2.75	---	2.54	2.48	---	2.52	---	2.68	---	2.71	2.60	---
TOTAL	90.88	79.11	77.68	79.34	72.23	78.11	74.84	79.14	82.57	83.21	82.10	79.93
MEAN	2.93	2.64	2.51	2.56	2.49	2.52	2.49	2.55	2.75	2.68	2.65	2.66
MAX	3.50	2.74	2.54	2.68	2.52	2.58	2.54	2.72	2.96	2.82	2.76	2.83
MIN	2.72	2.52	2.49	2.48	2.47	2.48	2.47	2.46	2.58	2.53	2.53	2.55

CHARLOTTE HARBOR AND COASTAL AREA

02293347 HERMOSA CANAL AT CAPE CORAL, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	35	3.3	5.8	.90	.00	4.1	.13	15	45	23	15
2	38	29	3.8	6.3	.79	5.0	4.3	.01	10	39	21	13
3	43	26	4.7	25	2.3	4.4	4.4	.34	8.8	35	35	12
4	96	24	4.5	14	2.4	3.2	3.7	.92	13	33	47	11
5	84	21	3.3	9.7	2.0	.51	2.2	1.2	16	48	32	11
6	319	19	3.5	8.3	3.0	.00	1.1	.03	16	62	31	10
7	172	19	4.3	12	2.6	.00	1.1	.00	11	53	30	10
8	186	23	3.5	9.7	2.0	.16	2.2	.00	16	48	34	13
9	132	20	3.3	8.1	1.3	.82	3.6	.63	38	46	38	25
10	108	18	4.8	9.3	1.3	2.8	4.7	.69	22	50	37	25
11	92	17	4.7	9.5	.82	6.4	3.1	.21	22	46	34	49
12	94	18	3.7	10	.57	3.9	1.8	.00	42	43	32	62
13	147	17	3.2	7.4	.72	2.9	1.7	.00	73	44	30	64
14	161	16	3.8	7.7	.66	2.9	3.1	.24	52	40	27	58
15	103	16	4.5	8.4	.46	2.5	3.6	.07	43	38	25	51
16	85	15	3.8	8.5	.28	3.1	2.2	.00	69	33	25	70
17	90	15	3.4	8.3	.08	4.1	.98	.00	104	32	25	64
18	112	14	3.3	7.7	.00	3.9	.80	.00	86	30	28	51
19	81	15	3.8	7.4	.00	2.7	.47	.74	86	24	29	52
20	82	14	3.2	7.3	.00	2.1	.43	1.9	77	23	37	37
21	73	15	3.1	7.1	.00	2.2	.51	16	68	23	28	30
22	59	16	3.3	7.6	.00	1.8	.75	20	55	22	20	33
23	48	15	4.1	8.2	.73	2.9	.21	29	53	22	9.1	32
24	44	15	4.0	6.8	.22	3.9	.29	27	67	19	8.5	27
25	43	16	4.0	5.8	.00	4.1	.14	25	79	8.4	9.3	22
26	40	16	3.8	3.6	.00	3.3	.15	24	51	6.5	11	20
27	37	16	3.4	3.3	.00	3.1	.15	23	62	6.0	18	19
28	35	15	2.9	3.8	.01	8.7	.07	22	77	5.8	21	17
29	33	12	2.6	3.1	.00	4.1	.24	20	62	5.3	23	19
30	30	5.1	2.9	1.2	---	3.3	.01	21	53	11	21	30
31	37	---	5.7	1.2	---	4.3	---	22	---	35	18	---
TOTAL	2731	532.1	116.2	242.1	23.14	93.09	52.10	256.11	1446.8	976.0	806.9	952
MEAN	88.1	17.7	3.75	7.81	.80	3.00	1.74	8.26	48.2	31.5	26.0	31.7
MAX	319	35	5.7	25	3.0	8.7	4.7	29	104	62	47	70
MIN	27	5.1	2.6	1.2	.00	.00	.01	.00	8.8	5.3	8.5	10
AC-FT	5420	1060	230	480	46	185	103	508	2870	1940	1600	1890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1996, BY WATER YEAR (WY)

MEAN	35.7	15.1	6.43	8.31	6.18	7.59	5.31	7.66	33.7	48.4	42.3	35.8
MAX	88.1	47.0	13.9	19.3	11.4	16.2	12.0	25.6	79.5	92.9	114	85.4
(WY)	1996	1988	1988	1991	1993	1993	1994	1991	1995	1995	1995	1995
MIN	7.51	2.52	1.47	2.01	.80	2.78	1.05	1.16	1.58	18.1	18.5	7.21
(WY)	1989	1991	1989	1992	1996	1987	1990	1988	1988	1990	1990	1987

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1987 - 1996

ANNUAL TOTAL	15999.07	8227.54	
ANNUAL MEAN	43.8	22.5	21.9
HIGHEST ANNUAL MEAN			39.1
LOWEST ANNUAL MEAN			12.7
HIGHEST DAILY MEAN	1040	319	1040
LOWEST DAILY MEAN	.87	.00	.00
ANNUAL SEVEN-DAY MINIMUM	1.8	.03	.01
INSTANTANEOUS PEAK FLOW		559	1370
INSTANTANEOUS PEAK STAGE		3.97	5.11
INSTANTANEOUS LOW FLOW		.00	.00
ANNUAL RUNOFF (AC-FT)	31730	16320	15870
10 PERCENT EXCEEDS	111	58	53
50 PERCENT EXCEEDS	16	11	9.6
90 PERCENT EXCEEDS	3.2	.27	1.1

264437081550100 GATOR SLOUGH AT U.S. 41 NEAR FT. MYERS, FL

LOCATION.--Lat 26°44'37", long 81°55'01", in SW1/4 sec.9, T.43 S., R.24 E., Lee County, Hydrologic Unit 03100103, 200 ft upstream of bridge on US 41, 6.3 mi north of Ft. Myers and about 11 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--1973 to 1984 (annual maximum gage heights only), June 1984 to current year. Prior to 1984, published as Gator Slough near Ft. Myers, FL.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to April 26, 1988, at site 200 ft downstream on upstream side of bridge on US 41 at datum -1.07 ft lower.

REMARKS.--Records fair, except for periods of estimated daily discharge, which are poor. Gage stops recording stage before slough stops flowing.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 11 complete water years of discharge (1985-88, 1990-96).

STATION NUMBER 264437081550100
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.16	16.70	15.90	15.57	15.48	---	15.34	---	15.69	16.32	16.40	16.06
2	17.08	16.72	15.86	15.58	15.47	---	15.34	---	15.61	16.18	16.31	16.00
3	17.32	16.68	15.83	15.77	15.46	---	15.33	---	15.54	16.04	16.20	15.96
4	17.42	16.63	15.81	15.88	15.46	---	15.33	---	15.52	15.94	16.24	15.91
5	17.66	16.58	15.78	15.84	15.46	---	15.33	---	15.52	16.10	16.42	15.96
6	18.05	16.54	15.76	15.77	15.45	---	15.33	---	15.51	16.59	16.49	15.99
7	18.31	16.50	15.75	15.80	15.44	---	15.34	---	15.51	16.61	16.69	16.31
8	18.18	16.53	15.74	15.83	15.43	---	15.34	---	15.54	16.47	16.60	16.43
9	18.65	16.59	15.73	15.76	15.43	---	15.33	---	15.79	16.30	16.51	16.83
10	18.52	16.56	15.71	15.71	15.42	---	15.33	---	15.77	16.24	16.61	16.77
11	18.41	16.52	15.71	15.68	15.42	---	15.33	---	15.75	16.54	16.52	16.98
12	17.92	16.46	15.71	15.67	15.41	---	---	---	15.77	16.61	16.38	17.13
13	17.57	16.41	15.70	15.69	15.41	---	---	---	15.90	16.45	16.28	16.86
14	17.51	16.37	15.69	15.67	15.40	---	---	15.32	15.83	16.32	16.23	16.59
15	17.67	16.33	15.68	15.65	15.39	---	---	15.34	15.78	16.27	16.12	16.50
16	17.52	16.29	15.68	15.64	15.42	---	---	15.36	16.18	16.22	16.08	16.86
17	17.39	16.26	15.66	15.62	15.41	---	---	15.38	16.87	16.17	16.06	16.77
18	17.26	16.23	15.66	15.61	15.41	---	---	15.40	17.03	16.07	16.03	16.71
19	17.48	16.20	15.65	15.60	15.40	---	---	15.42	16.71	15.98	16.02	16.52
20	18.04	16.17	15.63	15.58	15.40	---	---	15.44	16.43	15.91	16.10	16.46
21	17.69	16.15	15.63	15.57	15.39	---	---	15.46	16.66	15.87	16.07	16.50
22	17.51	16.13	15.62	15.56	15.38	---	---	15.50	16.78	15.82	16.02	16.49
23	17.43	16.09	15.62	15.54	15.37	---	---	15.60	16.58	15.80	15.98	16.48
24	17.35	16.06	15.61	15.53	15.37	---	---	15.66	16.36	15.79	15.97	16.44
25	17.14	16.04	15.61	15.53	15.36	---	---	15.73	16.30	15.76	16.00	16.37
26	16.96	16.01	15.61	15.52	---	---	---	15.71	16.20	15.73	16.04	16.32
27	16.89	15.99	15.59	15.51	---	---	---	15.66	16.16	15.70	16.17	16.28
28	16.82	15.96	15.59	15.50	---	---	---	15.62	16.25	15.67	16.33	16.24
29	16.74	15.95	15.59	15.50	---	---	---	15.60	16.17	15.64	16.24	16.28
30	16.67	15.94	15.58	15.49	---	15.35	---	15.66	16.33	15.77	16.17	16.70
31	16.65	---	15.57	15.49	---	15.34	---	15.74	---	16.11	16.13	---
TOTAL	542.97	489.59	486.26	484.66	---	---	---	---	482.04	498.99	503.41	493.70
MEAN	17.52	16.32	15.69	15.63	---	---	---	---	16.07	16.10	16.24	16.46
MAX	18.65	16.72	15.90	15.88	---	---	---	---	17.03	16.61	16.69	17.13
MIN	16.65	15.94	15.57	15.49	---	---	---	---	15.51	15.64	15.97	15.91

CHARLOTTE HARBOR AND COASTAL AREA

264437081550100 GATOR SLOUGH AT U.S. 41 NEAR FT. MYERS, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	7.5	3.9	1.8	1.7	e.47	.62	e.25	3.0	16	18	4.6
2	16	8.5	3.4	2.0	1.7	e2.0	.61	e.23	2.2	12	15	3.7
3	25	8.1	3.1	4.4	1.6	e1.8	.54	e.21	1.5	8.9	11	3.2
4	30	7.6	2.9	6.0	1.5	e1.5	.52	e.19	1.4	6.8	12	2.8
5	46	6.9	2.7	5.5	1.5	e1.3	.52	e.17	1.4	10	18	3.3
6	75	6.5	2.5	4.5	1.4	e1.0	.48	e.15	1.4	27	21	3.7
7	97	6.2	2.4	4.9	1.3	e.80	.52	e.13	1.4	28	31	9.5
8	86	7.2	2.4	5.5	1.2	e.60	.50	e.12	1.7	22	26	13
9	134	8.9	2.3	4.5	1.2	e.40	.44	e.11	4.7	16	22	26
10	117	8.8	2.2	3.8	1.1	e1.0	.43	e.10	4.4	14	27	24
11	105	8.3	2.2	3.5	1.1	e.78	.43	e.09	4.0	25	22	34
12	57	7.6	2.3	3.4	.99	e.63	e.41	e.08	4.5	29	16	42
13	30	7.1	2.2	3.8	.98	e.50	e.38	e.07	6.7	22	12	28
14	26	6.6	2.2	3.5	.94	e.40	e.40	.10	5.5	16	9.9	17
15	35	6.3	2.1	3.4	.87	e.35	e.70	.16	4.7	15	6.7	15
16	24	5.9	2.2	3.2	1.1	e.50	e.80	.22	15	13	5.7	27
17	18	5.8	2.0	3.1	1.0	e1.5	e.70	.28	41	12	4.9	23
18	14	5.7	2.0	3.0	.89	e2.0	e.55	.35	52	8.9	4.4	21
19	28	5.5	2.0	3.0	.85	e.45	e.50	.46	33	6.8	3.8	14
20	66	5.5	1.9	2.8	.84	e.42	e.45	.55	21	5.5	5.1	12
21	40	5.5	1.9	2.7	.79	e.40	e.38	.65	31	4.5	4.4	13
22	29	5.4	1.9	2.7	.75	e.42	e.32	1.0	36	3.8	3.8	12
23	26	5.1	1.9	2.5	.66	e.45	e.27	1.8	27	3.5	3.3	11
24	24	5.0	1.8	2.4	.62	e.48	e.23	2.4	19	3.2	3.3	9.9
25	16	4.9	1.9	2.3	.58	e.50	e.20	3.2	16	2.8	3.6	8.1
26	11	4.9	1.9	2.2	e.54	e.85	e.18	3.0	13	2.4	4.3	6.6
27	9.5	4.9	1.8	2.1	e.50	e.70	e.15	2.5	12	2.0	6.4	5.6
28	8.3	4.5	1.8	2.0	e.70	e3.0	e.35	2.1	15	1.7	10	4.7
29	7.1	4.5	1.9	2.0	e.60	e2.0	e.30	2.0	12	1.4	7.8	5.1
30	6.3	4.3	1.8	1.9	---	.73	e.27	2.7	17	3.5	6.3	15
31	6.1	---	1.8	1.8	---	.64	---	3.5	---	8.8	5.7	---
TOTAL	1232.3	189.5	69.3	100.2	29.50	28.57	13.15	28.87	408.5	351.5	350.4	417.8
MEAN	39.8	6.32	2.24	3.23	1.02	.92	.44	.93	13.6	11.3	11.3	13.9
MAX	134	8.9	3.9	6.0	1.7	3.0	.80	3.5	52	29	31	42
MIN	6.1	4.3	1.8	1.8	.50	.35	.15	.07	1.4	1.4	3.3	2.8
AC-FT	2440	376	137	199	59	57	26	57	810	697	695	829

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1996, BY WATER YEAR (WY)

MEAN	8.50	2.45	.88	1.42	.82	.98	.85	3.02	14.7	20.4	17.0	14.5
MAX	39.8	8.32	3.00	5.85	5.05	3.92	2.91	28.3	47.3	41.5	49.7	41.9
(WY)	1996	1988	1995	1995	1995	1987	1987	1991	1995	1991	1995	1995
MIN	.96	.012	.000	.000	.000	.000	.000	.000	.013	2.26	1.24	.78
(WY)	1990	1989	1989	1989	1986	1989	1989	1986	1985	1990	1990	1990

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1984 - 1996

ANNUAL TOTAL	7424.81	3219.59	
ANNUAL MEAN	20.3	8.80	7.40
HIGHEST ANNUAL MEAN			17.5
LOWEST ANNUAL MEAN			.64
HIGHEST DAILY MEAN	225 Aug 26	134 Oct 9	277 Jun 28 1992
LOWEST DAILY MEAN	.86 May 2	.07 May 13	.00 Mar 2 1985
ANNUAL SEVEN-DAY MINIMUM	1.0 May 11	.10 May 8	.00 Mar 2 1985
INSTANTANEOUS PEAK FLOW		152 Oct 9	518 Jun 28 1992
INSTANTANEOUS PEAK STAGE		18.80 Oct 9	19.44 Aug 25 1995
INSTANTANEOUS LOW FLOW		.07 May 13	.00 Feb 1 1986
ANNUAL RUNOFF (AC-FT)	14730	6390	5360
10 PERCENT EXCEEDS	59	24	21
50 PERCENT EXCEEDS	6.1	3.2	1.2
90 PERCENT EXCEEDS	1.3	.42	.00

e Estimated

CHARLOTTE HARBOR AND COASTAL AREA

PAGE 365

264139082022100 GATOR SLOUGH AT SR 765 NEAR FT. MYERS, FL

LOCATION.--Lat 26°41'39", long 82°02'01" in NW1/4 sec.32, T.43 S., R.23 E., Lee County, Hydrologic Unit 03100103, 100 ft upstream from bridge on SR-765 (Burnt Store Road) in Cape Coral, 2.7 mi upstream from mouth and 12 mi northwest of Ft. Myers.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--1973-83 (annual maximum gage heights, only), May 1984 to current year. Prior to 1984, published as "near Pine Island."

GAGE.--Water-stage recorder and concrete control. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharge. Records good.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 12 complete water years of discharge (1985-96).

STATION NUMBER 264139082022100
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.95	2.84	2.54	2.56	2.50	2.47	2.55	2.47	2.58	2.84	2.83	2.81
2	2.93	2.82	2.54	2.57	2.50	2.54	2.55	2.46	2.54	2.81	2.82	2.78
3	3.01	2.79	2.54	2.67	2.52	2.53	2.56	2.47	2.53	2.79	2.82	2.75
4	3.14	2.78	2.54	2.66	2.52	2.51	2.56	2.46	2.54	2.76	2.84	2.73
5	3.21	2.77	2.51	2.64	2.52	2.47	2.53	2.46	2.54	2.76	2.82	2.71
6	3.38	2.76	2.51	2.64	2.52	2.47	2.51	2.45	2.55	2.84	2.82	2.71
7	3.60	2.74	2.52	2.64	2.52	2.47	2.50	2.45	2.55	2.86	2.84	2.70
8	3.43	2.74	2.51	2.62	2.52	2.47	2.51	2.45	2.56	2.86	2.87	2.71
9	3.54	2.74	2.50	2.62	2.52	2.46	2.53	2.45	2.69	2.83	2.89	2.79
10	3.42	2.74	2.51	2.62	2.52	2.47	2.53	2.45	2.63	2.82	2.89	2.86
11	3.38	2.73	2.52	2.62	2.52	2.51	2.52	2.45	2.62	2.83	2.89	2.97
12	3.28	2.72	2.50	2.61	2.52	2.48	2.50	2.45	2.68	2.84	2.88	3.07
13	3.21	2.69	2.49	2.59	2.51	2.47	2.50	2.45	2.84	2.85	2.85	3.04
14	3.21	2.68	2.50	2.59	2.51	2.47	2.51	2.46	2.81	2.84	2.83	2.94
15	3.30	2.67	2.51	2.59	2.51	2.47	2.53	2.47	2.76	2.84	2.81	2.90
16	3.21	2.68	2.50	2.60	2.49	2.48	2.50	2.46	2.79	2.82	2.80	3.21
17	3.17	2.68	2.48	2.61	2.47	2.53	2.49	2.45	2.91	2.82	2.79	3.13
18	3.22	2.65	2.50	2.62	2.47	2.54	2.49	2.43	2.93	2.80	2.79	2.96
19	3.19	2.65	2.50	2.61	2.47	2.50	2.49	2.45	2.93	2.79	2.78	2.82
20	3.36	2.65	2.48	2.60	2.47	2.48	2.48	2.50	2.85	2.78	2.80	2.79
21	3.32	2.65	2.48	2.60	2.47	2.48	2.48	2.56	2.84	2.77	2.79	2.75
22	3.22	2.65	2.48	2.59	2.47	2.48	2.48	2.62	2.85	2.76	2.75	2.74
23	3.13	2.65	2.49	2.59	2.48	2.49	2.46	2.69	2.85	2.75	2.65	2.73
24	3.06	2.65	2.49	2.59	2.48	2.50	2.47	2.70	2.83	2.75	2.64	2.72
25	2.99	2.63	2.49	2.58	2.48	2.51	2.47	2.67	2.85	2.73	2.64	2.71
26	2.94	2.62	2.49	2.57	2.47	2.50	2.46	2.65	2.83	2.65	2.65	2.70
27	2.91	2.62	2.49	2.56	2.48	2.49	2.46	2.65	2.83	2.60	2.78	2.68
28	2.89	2.62	2.49	2.56	2.48	2.57	2.48	2.65	2.89	2.60	2.86	2.68
29	2.86	2.62	2.48	2.56	2.48	2.53	2.49	2.64	2.87	2.60	2.87	2.68
30	2.85	2.60	2.48	2.53	---	2.53	2.47	2.62	2.84	2.65	2.85	2.75
31	2.84	---	2.53	2.51	---	2.56	---	2.62	---	2.85	2.83	---
TOTAL	98.15	80.83	77.59	80.52	72.39	77.43	75.06	78.21	82.31	86.09	86.97	84.52
MEAN	3.17	2.69	2.50	2.60	2.50	2.50	2.50	2.52	2.74	2.78	2.81	2.82
MAX	3.60	2.84	2.54	2.67	2.52	2.57	2.56	2.70	2.93	2.86	2.89	3.21
MIN	2.84	2.60	2.48	2.51	2.47	2.46	2.46	2.43	2.53	2.60	2.64	2.68

CHARLOTTE HARBOR AND COASTAL AREA

264139082022100 GATOR SLOUGH AT SR 765 NEAR FT. MYERS, FL
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	81	2.7	7.5	2.1	.38	14	.26	13	112	114	122
2	70	70	2.1	9.6	2.1	11	12	.00	5.5	101	115	102
3	110	60	2.1	46	4.5	9.6	14	.00	3.2	92	114	85
4	187	57	1.7	41	5.5	5.0	15	.00	4.8	77	123	77
5	237	52	.00	37	5.6	.53	9.1	.00	5.5	78	115	67
6	393	48	.00	36	5.6	.01	5.7	.00	5.6	116	117	65
7	594	41	.37	38	5.5	.06	3.8	.00	4.4	125	129	64
8	432	44	.08	31	5.5	.02	4.7	.00	13	124	145	65
9	537	45	.00	28	5.5	.00	7.0	.00	52	107	154	101
10	431	45	.82	30	5.5	1.0	7.7	.00	26	101	156	137
11	392	41	1.2	30	5.7	5.1	5.9	.00	24	105	160	197
12	313	39	.00	27	6.2	1.2	3.7	.00	47	116	157	261
13	253	31	.00	21	5.6	.32	3.6	.00	122	120	140	242
14	262	26	.00	18	5.5	.00	5.5	.00	104	115	130	182
15	334	24	.00	19	5.5	.02	8.6	.00	78	114	119	157
16	267	28	.00	21	2.1	1.5	4.3	.00	91	107	114	346
17	239	28	.00	26	.54	8.3	2.5	.00	152	101	109	291
18	277	18	.01	31	.00	11	2.3	.00	165	89	109	189
19	261	19	.00	28	.18	3.4	1.7	.49	167	84	104	111
20	395	20	.00	26	.01	.78	1.3	1.0	120	79	114	93
21	366	22	.00	26	.00	.87	1.1	14	115	74	114	78
22	292	22	.00	23	.00	.96	.74	28	118	70	94	71
23	224	22	.00	22	1.6	1.7	.20	57	118	67	49	69
24	186	24	.00	22	1.1	4.0	.00	61	110	67	45	61
25	148	20	.00	18	1.1	5.5	.00	48	121	57	45	57
26	119	15	.00	15	.53	3.6	.00	41	110	25	49	53
27	106	15	.00	14	.58	2.1	.00	41	111	9.2	107	46
28	98	17	.00	11	1.1	18	1.6	38	140	12	148	44
29	86	18	.00	12	.54	10	2.4	32	131	12	149	48
30	80	15	.00	6.1	---	8.9	.18	25	115	35	138	75
31	78	---	4.3	3.7	---	16	---	26	---	123	130	---
TOTAL	7843	1007	15.38	723.9	85.28	130.85	138.62	412.75	2392.0	2614.2	3606	3556
MEAN	253	33.6	.50	23.4	2.94	4.22	4.62	13.3	79.7	84.3	116	119
MAX	594	81	4.3	46	6.2	18	15	61	167	125	160	346
MIN	70	15	.00	3.7	.00	.00	.00	.00	3.2	9.2	45	44
AC-FT	15560	2000	31	1440	169	260	275	819	4740	5190	7150	7050

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1996, BY WATER YEAR (WY)

MEAN	62.4	20.2	8.50	14.3	9.25	14.8	11.8	15.5	74.5	118	118	92.9
MAX	253	41.0	18.9	38.0	20.1	41.5	43.2	58.0	215	284	278	175
(WY)	1996	1994	1988	1987	1993	1987	1987	1991	1995	1995	1995	1995
MIN	17.4	4.87	.50	2.45	2.94	2.86	.44	.010	.24	34.4	55.3	23.3
(WY)	1989	1991	1996	1992	1996	1985	1985	1985	1985	1985	1993	1990

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1984 - 1996	
ANNUAL TOTAL	40093.25		22524.98			
ANNUAL MEAN	110		61.5		46.6	
HIGHEST ANNUAL MEAN					92.7	
LOWEST ANNUAL MEAN					21.7	
HIGHEST DAILY MEAN	1240	Aug 25	594	Oct 7	1240	Aug 25 1995
LOWEST DAILY MEAN	.00	Dec 5	.00	Dec 5	.00	Apr 6 1985
ANNUAL SEVEN-DAY MINIMUM	.00	Dec 19	.00	Dec 19	.00	May 2 1985
INSTANTANEOUS PEAK FLOW			656	Oct 7	1750	Aug 25 1995
INSTANTANEOUS PEAK STAGE			3.66	Oct 7	4.51	Aug 21 1986
INSTANTANEOUS LOW FLOW			.00	Dec 4	.00	Apr 6 1985
ANNUAL RUNOFF (AC-FT)	79520		44680		33780	
10 PERCENT EXCEEDS	333		150		125	
50 PERCENT EXCEEDS	31		24		18	
90 PERCENT EXCEEDS	.95		.00		2.0	

**NATIONAL WATER-QUALITY ASSESSMENT
(NAWQA) DATA**

**ORGANIC COMPOUNDS AND TRACE ELEMENTS IN FISH TISSUE
AND
SURFACE WATER-QUALITY DATA**

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nation's ground- and surface-water resources; provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

ORGANIC COMPOUNDS AND TRACE ELEMENTS IN FISH TISSUE

02281200 - HILLSBORO CANAL AT S-6 NEAR SHAWANO

ORGANIC COMPOUNDS (UG/KG IN WHOLE FISH TISSUE), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	ALPHA-	BETA-	DELTA-	CIS-	TRANS-	O,P'-	P,P'-	O,P'-
		BHC,	BHC,	BHC,	CHLOR-	CHLOR-	DCPA,	DDD,	DDE,
		BIOTA,	BIOTA,	BIOTA,	DANE,	DANE,	BIOTA,	BIOTA,	BIOTA,
		WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG
		WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC
		(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)
		(49366)	(49365)	(49364)	(49380)	(49379)	(49378)	(49374)	(49375)
AUG									
16...	1200	<5.00	<5.00	<5.00	12.0	6.60	<5.00	34.0	120
16...	1300	<5.00	<5.00	<5.00	9.10	<5.00	<5.00	27.0	56.0
16...	1310	<5.00	<5.00	<5.00	11.0	5.50	<5.00	29.0	110

ORGANIC COMPOUNDS (UG/KG IN WHOLE FISH TISSUE), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE		P,P'-	O,P'-	P,P'-	DIEL-	HEPTA-	HEPTA-	BENZENE	
		DDE,	DDT,	DDT,	DRIN,	CHLOR,	CHLOR,	HEXA-	LINDANE
		BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,
		WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG
		WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC
		(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)
		(49372)	(49377)	(49376)	(49371)	(49370)	(49369)	(49368)	(49367)
AUG									
16...	1000	<8.20	5.40	14.0	<5.00	<5.00	<5.00	<5.00	<5.00
16...	310	<11.0	<5.00	17.0	<6.30	<5.00	<5.00	<5.00	<5.00
16...	460	<12.0	6.60	18.0	<5.00	<5.00	<5.00	<5.00	<5.00

ORGANIC COMPOUNDS (UG/KG IN WHOLE FISH TISSUE), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE		METHOXY	METHOXY	CIS-	TRANS-	OXY-	PENTA	TOXA-	
		CHLOR,	CHLOR,	NONA-	NONA-	CHLOR	CHLORO	CHLORO	PHENE,
		O,P'-,	P,P'-,	CHLOR,	CHLOR,	DANE,	PCB,	BIOTA,	BIOTA,
		BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,
		WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG
		WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC
		(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)
		(49362)	(49361)	(49360)	(49359)	(49358)	(49357)	(49354)	(49355)
AUG									
16...		<5.00	<5.00	<5.00	7.00	19.0	<5.00	100	<5.00
16...		<5.00	<5.00	<5.00	5.50	12.0	<5.00	<50.0	<5.00
16...		<5.00	<5.00	<5.00	6.80	14.0	<5.00	56.0	<300

WATER RESOURCES DATA - FLORIDA, 1996

PAGE 369

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

ORGANIC COMPOUNDS AND TRACE ELEMENTS IN FISH TISSUE

02281200 - HILLSBORO CANAL AT S-6 NEAR SHAWANO

TRACE ELEMENTS (UG/KG IN FISH LIVER) FLORIDA GAR, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	ALUMI-	ANTI-			BERYL-			CHROM-			
		NUM,	MONY,	ARSENIC	BARIUM,	LIUM-,	BORON,	CADMIUM	IUM-,	COBALT,	COPPER,	IRON,
		BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA	BIOTA,	BIOTA,
		TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,
		DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT
		REC	REC	REC	REC	REC	REC	REC	REC	REC	REC	REC
		(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)
		(49237)	(49246)	(49247)	(49238)	(49248)	(49239)	(49249)	(49240)	(49250)	(49241)	(49242)
AUG												
16...	1315	12	0.2	0.6	1.2	<0.2	0.8	0.4	<0.5	0.2	90	660

TRACE ELEMENTS (UG/KG IN FISH LIVER) FLORIDA GAR, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE		MANGAN-		MOLYB-		SELEN-		STRON-		VANA-	
		LEAD,	ESE,	MERCURY	DENUM,	NICKEL,	IUM,	SILVER,	TIUM,	URANIUM	DIUM
		BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIO TIS
		TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	LIVER
		DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT
		REC	REC	REC	REC	REC	REC	REC	REC	REC	REC
		(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)
		(49251)	(49243)	(49258)	(49252)	(49253)	(49254)	(49255)	(49244)	(49257)	(49465)
AUG											
16...		<0.2	4.3	36	0.7	0.2	15	<0.2	5.0	<0.2	1.1

ORGANIC COMPOUNDS (UG/KG IN WHOLE FISH TISSUE) FLORIDA GAR, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

ORGANIC COMPOUNDS (UG/KG IN WHOLE FISH TISSUE) FLORIDA GAR, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

ORGANIC COMPOUNDS (UG/KG IN WHOLE FISH TISSUE) FLORIDA GAR, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

	METHOXY	METHOXY		CIS-	TRANS-	OXY-		PENTA	
	CHLOR,	CHLOR,		NONA-	NONA-	CHLOR		CHLORO	TOXA-
	O, P' - ,	P, P' - ,	MIREX,	CHLOR,	CHLOR,	DANE,	PCB,	ANISOLE	PHENE,
	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,
	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG
DATE	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC
	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)
	(49362)	(49361)	(49360)	(49359)	(49358)	(49357)	(49354)	(49356)	(49355)
AUG									
15...	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<50.0	<5.00	<200

PAGE 371

TRACE ELEMENTS (UG/KG IN FISH LIVER) FLORIDA GAR, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

		ALUMI- NUM,	ANTI- MONY,	ARSENIC BIOTA,	BARIUM, BIOTA,	BERYL- LIUM-, BIOTA,	BORON, BIOTA,	CADMIUM BIOTA,	CHROM- IUM-, BIOTA,	COBALT, BIOTA	COPPER, BIOTA,	IRON, BIOTA,
		TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,
		DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT
DATE	TIME	REC	REC	REC	REC	REC	REC	REC	REC	REC	REC	REC
		(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)
		(49237)	(49246)	(49247)	(49238)	(49248)	(49239)	(49249)	(49240)	(49250)	(49241)	(49242)
AUG												
15...	1401	10	<0.1	0.2	0.4	<0.1	0.4	0.6	<0.5	<0.1	50	1300

TRACE ELEMENTS (UG/KG IN FISH LIVER) FLORIDA GAR, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	MANGAN-			MOLYB-		SELEN-		STRON-		VANA-	
	LEAD,	ESE,	MERCURY	DENUM,	NICKEL,	IUM,	SILVER,	TIUM,	URANIUM	DUM	ZINC,
	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIO TIS	BIOTA,
	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	LIVER	TISSUE,
	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT
	REC	REC	REC	REC	REC	REC	REC	REC	REC	REC	REC
	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)
	(49251)	(49243)	(49258)	(49252)	(49253)	(49254)	(49255)	(49244)	(49257)	(49465)	(49245)
AUG											
15...	<0.1	2.9	110	0.4	<0.1	15	0.3	0.6	<0.1	1.2	87

WATER RESOURCES DATA - FLORIDA, 1996
VOLUME 2A: SOUTH FLORIDA
NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM
ORGANIC COMPOUNDS AND TRACE ELEMENTS IN FISH TISSUE
02289034 - U.S. SUGAR OUTFLOW CANAL NR CLEWISTON, FL

ORGANIC COMPOUNDS (UG/KG IN WHOLE FISH TISSUE) LARGEMOUTH BASS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	ALPHA-	BETA-	DELTA-	CIS-	TRANS-		O,P'-	P,P'-	O,P'-
		BHC,	BHC,	BHC,	CHLOR-	CHLOR-		DCPA,	DDD,	DDE,
		BIOTA,	BIOTA,	BIOTA,	DANE,	DANE,		BIOTA,	BIOTA,	BIOTA,
		WH ORG	WH ORG	WH ORG	WH ORG	WH ORG		WH ORG	WH ORG	WH ORG
		WW, REC	WW, REC	WW, REC	WW, REC	WW, REC		WW, REC	WW, REC	WW, REC
		(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)		(UG/KG)	(UG/KG)	(UG/KG)
		(49366)	(49365)	(49364)	(49380)	(49379)		(49378)	(49374)	(49375)
MAY										
02...	1300	<5.00	<5.00	<5.00	<5.00	<5.00		<5.00	<5.00	<5.00

ORGANIC COMPOUNDS (UG/KG IN WHOLE FISH TISSUE) LARGEMOUTH BASS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	P,P'-	O,P'-	P,P'-	DIEL-		HEPTA-	CHLOR	BENZENE	
		DDE,	DDT,	DDT,	DRIN,	ENDRIN,	HEPTA-	EPOXIDE	HEXA-	LINDANE
		BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	CHLOR,	BIOTA,	CHLORO-	BIOTA,
		WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG
		WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC
		(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)
		(49372)	(49377)	(49376)	(49371)	(49370)	(49369)	(49368)	(49367)	(49363)
MAY										
02...		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00

ORGANIC COMPOUNDS (UG/KG IN WHOLE FISH TISSUE) LARGEMOUTH BASS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	METHOXY	METHOXY		CIS-	TRANS-	OXY-		PENTA	
		CHLOR,	CHLOR,		NONA-	NONA-	CHLOR		CHLORO	TOXA-
		O,P'-,	P,P'-,	MIREX,	CHLOR,	CHLOR,	DANE,		ANISOLE	PHENE,
		BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,		BIOTA,	BIOTA,
		WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG		WH ORG	WH ORG
		WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC		WW, REC	WW, REC
		(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)		(UG/KG)	(UG/KG)
		(49362)	(49361)	(49360)	(49359)	(49358)	(49357)		(49356)	(49355)
MAY										
02...		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<50.0	<5.00	<200

WATER RESOURCES DATA - FLORIDA, 1996

PAGE 373

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

ORGANIC COMPOUNDS AND TRACE ELEMENTS IN FISH TISSUE

02289034 - U.S. SUGAR OUTFLOW CANAL NR CLEWISTON, FL

TRACE ELEMENTS (UG/KG IN FISH LIVER) LARGEMOUTH BASS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	ALUMI-	ANTI-	BERYL-		CHROM-		IRON,		COBALT,		COPPER,	
		NUM,	MONY,	ARSENIC	BARIUM,	LITHIUM,	BORON,	CADMIUM	BIOTA,	BIOTA	BIOTA	BIOTA	BIOTA
		BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA	BIOTA	BIOTA	BIOTA
		TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,
		DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT
		REC	REC	REC	REC	REC	REC	REC	REC	REC	REC	REC	REC
		(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)
		(49237)	(49246)	(49247)	(49238)	(49248)	(49239)	(49249)	(49240)	(49250)	(49241)	(49242)	(49242)
MAY													
02...	1301	<1.0	<0.2	0.4	<0.1	<0.2	0.2	<0.2	<0.5	<0.2	18	960	

TRACE ELEMENTS (UG/KG IN FISH LIVER) LARGEMOUTH BASS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE		MANGAN-		MOLYB-		SELEN-		STRON-		VANA-		ZINC,	
		LEAD,	ESE,	MERCURY	DENUM,	NICKEL,	IUM,	SILVER,	TIUM,	URANIUM	DIUM	BIOTA,	BIOTA
		BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIO TIS	BIOTA,	BIOTA
		TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	LIVER	TISSUE,	TISSUE,
		DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT
		REC	REC	REC	REC	REC	REC	REC	REC	REC	REC	REC	REC
		(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)
		(49251)	(49243)	(49258)	(49252)	(49253)	(49254)	(49255)	(49244)	(49257)	(49465)	(49245)	(49245)
MAY													
02...		<0.2	4.5	0.2	0.7	<0.2	2.2	<0.2	0.8	<0.2	0.5	67	

WATER RESOURCES DATA - FLORIDA, 1996
VOLUME 2A: SOUTH FLORIDA
NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM
ORGANIC COMPOUNDS AND TRACE ELEMENTS IN FISH TISSUE
02292795 - CALOOSAHATCHEE RIVER AT ALVA, FL

ORGANIC COMPOUNDS (UG/KG IN WHOLE FISH TISSUE) FLORIDA GAR, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME									
		ALPHA-	BETA-	DELTA-	CIS-	TRANS-		O,P'-	P,P'-	
		ALDRIN,	BHC,	BHC,	BHC,	DANE,	DANE,	DCPA,	DDD,	DDD,
		BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,
		WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG
DATE	TIME	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC
		(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)
		(49353)	(49366)	(49365)	(49364)	(49380)	(49379)	(49378)	(49374)	(49375)
SEP										
05...	1717	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00

ORGANIC COMPOUNDS (UG/KG IN WHOLE FISH TISSUE) FLORIDA GAR, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	O,P'-	P,P'-	O,P'-	P,P'-	DIEL-	HEPTA-	BENZENE		
		DDE,	DDE,	DDT,	DDT,	DRIN,	HEPTA-	CHLOR	HEXA-	
		BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	CHLOR,	EPOXIDE	CHLORO-	LINDANE
		WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG
		WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC
		(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)
		(49373)	(49372)	(49377)	(49376)	(49371)	(49370)	(49369)	(49368)	(49367)
SEP										
05...		<5.00	34.0	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00

ORGANIC COMPOUNDS (UG/KG IN WHOLE FISH TISSUE) FLORIDA GAR, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	METHOXY	METHOXY		CIS-	TRANS-	OXY-	PENTA		
		CHLOR,	CHLOR,		NONA-	NONA-	CHLOR	CHLORO	TOXA-	
		O,P'-,	P,P'-,	MIREX,	CHLOR,	CHLOR,	DANE,	PCB,	ANISOLE	PHENE,
		BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,
		WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG
DATE	TIME	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC
		(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)
		(49362)	(49361)	(49360)	(49359)	(49358)	(49357)	(49354)	(49356)	(49355)
SEP										
05...		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<50.0	<5.00	<200

WATER RESOURCES DATA - FLORIDA, 1996

PAGE 375

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

ORGANIC COMPOUNDS AND TRACE ELEMENTS IN FISH TISSUE

02292795 - CALOOSAHATCHEE RIVER AT ALVA, FL

TRACE ELEMENTS (UG/KG IN FISH LIVER) FLORIDA GAR, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	ALUMI-	ANTI-			BERYL-			CHROM-			
		NUM,	MONY,	ARSENIC	BARIUM,	LIUM-,	BORON,	CADMIUM	IUM-,	COBALT,	COPPER,	IRON,
		BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,
		TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,
		DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT
		REC	REC	REC	REC	REC	REC	REC	REC	REC	REC	REC
		(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)
		(49237)	(49246)	(49247)	(49238)	(49248)	(49239)	(49249)	(49240)	(49250)	(49241)	(49242)
SEP												
05...	1718	6.1	<0.1	0.3	0.4	<0.1	0.5	0.7	<0.5	0.1	35	690

TRACE ELEMENTS (UG/KG IN FISH LIVER) FLORIDA GAR, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE		MANGAN-		MOLYB-		SELEN-		STRON-		VANA-		
		LEAD,	ESE,	MERCURY	DENUM,	NICKEL,	IUM,	SILVER,	TIUM,	URANIUM	DIUM	ZINC,
		BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIO TIS	BIOTA,
		TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	LIVER	TISSUE,
		DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT
		REC	REC	REC	REC	REC	REC	REC	REC	REC	REC	REC
		(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)
		(49251)	(49243)	(49258)	(49252)	(49253)	(49254)	(49255)	(49244)	(49257)	(49465)	(49245)
SEP												
05...		<0.1	2.2	2.1	0.5	0.1	7.7	<0.1	0.8	<0.1	0.9	63

		CIS-			TRANS-					
		ALPHA-	BETA-	DELTA-	CHLOR-	CHLOR-		O,P'-	P,P'-	O,P'-
		BHC,	BHC,	BHC,	DANE,	DANE,	DCPA,	DDD,	DDD,	DDE,
		BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,
		WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG
DATE	TIME	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC
		(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)
		(49366)	(49365)	(49364)	(49380)	(49379)	(49378)	(49374)	(49375)	(49373)

						HEPTA- BENZENE			
P, P' -		O, P' -		P, P' -		HEPTA- CHLOR		HEXA- CHLORO-	
DDE,		DDT,		DDT,		ENDRIN,		EPOXIDE	
BIOTA,		BIOTA,		BIOTA,		BIOTA,		BIOTA,	
WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG
DATE	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC
	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)
	(49372)	(49377)	(49376)	(49371)	(49370)	(49369)	(49368)	(49367)	(49363)

	METHOXY	METHOXY		CIS-	TRANS-	OXY-		PENTA	
	CHLOR,	CHLOR,		NONA-	NONA-	CHLOR		CHLORO	TOXA-
	O, P' -,	P, P' -,	MIREX,	CHLOR,	CHLOR,	DANE,	PCB,	ANISOLE	PHENE,
	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,
	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG	WH ORG
DATE	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC	WW, REC
	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)	(UG/KG)
	(49362)	(49361)	(49360)	(49359)	(49358)	(49357)	(49354)	(49356)	(49355)

NOV	29...	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<50.0	<5.00	<200
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WATER RESOURCES DATA - FLORIDA, 1996

PAGE 377

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

ORGANIC COMPOUNDS AND TRACE ELEMENTS IN FISH TISSUE

252414080333200 - C-111 CANAL 100 FT ABV S-177 NR HOMESTEAD

TRACE ELEMENTS (UG/KG IN FISH LIVER) LARGEMOUTH BASS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	ALUMI-	ANTI-			BERYL-			CHROM-			
		NUM,	MONY,	ARSENIC	BARIUM,	LIUM-,	BORON,	CADMIUM	IUM-,	COBALT,	COPPER,	IRON,
		BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,
		TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,
		DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT
		REC	REC	REC	REC	REC	REC	REC	REC	REC	REC	REC
		(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)
		(49237)	(49246)	(49247)	(49238)	(49248)	(49239)	(49249)	(49240)	(49250)	(49241)	(49242)
NOV												
29...	1300	2.1	<0.2	0.4	<0.1	<0.2	0.7	0.6	<0.5	0.3	19	2100

TRACE ELEMENTS (UG/KG IN FISH LIVER) LARGEMOUTH BASS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	MANGAN-		MOLYB-		SELEN-		STRON-		VANA-	
	LEAD,	ESE,	MERCURY	DENUM,	NICKEL,	IUM,	SILVER,	TIUM,	URANIUM	DIUM
	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIOTA,	BIO TIS
	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	TISSUE,	LIVER
	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT	DRY WGT
	REC	REC	REC	REC	REC	REC	REC	REC	REC	REC
	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)	(UG/G)
	(49251)	(49243)	(49258)	(49252)	(49253)	(49254)	(49255)	(49244)	(49257)	(49465)
NOV										
29...	<0.2	3.5	14	1.1	<0.2	5.3	<0.2	1.3	<0.2	0.5

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

02281200 - HILLSBORO CANAL AT S-6 NEAR SHAWANO

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

		BARO-				DIS-				PH		PH	
				METRIC	AGENCY	AGENCY	CHARGE,			SPE-	WATER	WATER	
		TEMPER-	TEMPER-	PRES-	COL-	ANA-	INST.			CIFIC	WHOLE	WHOLE	
		ATURE	ATURE	SURE	LECTING	LYZING	CUBIC			CON-	FIELD	LAB	
DATE	TIME	WATER	AIR	(MM	SAMPLE	SAMPLE	FEET	GAGE	DUCT-	DIS-	(STAND-	(STAND-	
		(DEG C)	(DEG C)	OF	(CODE	(CODE	PER	HEIGHT	ANCE	SOLVED	ARD	ARD	
		(00010)	(00020)	(HG)	(00027)	(00028)	(00061)	(00065)	(00095)	(00300)	(00400)	(00403)	
MAY													
29...	1240	28.0	32.5	764	1028	80020	2610	9.92	1160	2.2	7.7	7.7	
JUL													
02...	1055	28.5	31.0	764	1028	80020	1590	9.30	1150	0.8	7.4	7.7	
30...	1120	29.5	34.0	767	1028	80020	130	10.72	979	1.5	7.5	7.7	
AUG													
13...	1500	32.5	37.0	765	1028	80020	-46	10.46	1120	6.8	7.2	7.5	
SEP													
09...	1230	28.0	29.0	765	1028	80020	1910	9.28	1220	1.4	7.5	7.4	
		BICAR-	NITRO-	NITRO-	NITRO-	NITRO-			PHOS-				
		BONATE	GEN,	GEN,AM-	GEN,AM-	GEN,			PHORUS	CARBON,	CARBON,		
		WATER	AMMONIA	NITRITE	MONIA +	MONIA +	NO2+NO3	PHOS-	PHORUS	CARBON,	SUS-	CALCIUM	
		DIS IT	DIS-	DIS-	ORGANIC	ORGANIC	DIS-	PHORUS	DIS-	DIS-	PENDE	DIS-	
DATE	MG/L AS	HCO3	SOLVED	SOLVED	DIS.	TOTAL	SOLVED	TOTAL	SOLVED	SOLVED	SOLVED	TOTAL	
		AS N)	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L
		(00453)	(00608)	(00613)	(00623)	(00625)	(00631)	(00665)	(00666)	(00671)	(00681)	(00689)	(00915)
MAY													
29...	395	0.078	0.100	2.7	3.0	0.280	0.042	0.029	0.021	48	2.1	97	
JUL													
02...	422	0.225	0.051	2.3	2.7	0.690	0.110	0.087	0.062	3.8	0.50	110	
30...	394	0.098	0.016	1.6	2.0	0.098	0.028	0.019	0.007	28	--	95	
AUG													
13...	366	0.067	0.160	2.3	2.8	0.290	0.050	0.025	0.004	32	0.50	92	
SEP													
09...	437	0.381	0.052	2.4	3.0	0.320	0.057	0.009	<0.001	43	1.6	--	
		MAGNE-	POTAS-	CHLO-			FLUO-	SILICA,			BUTYL-	BRO-	
		SIUM,	SIUM,	RIDE,	SULFATE	RIDE,	DIS-	DIS-	IRON,	NESE,	CHLOR,	ATE,	
		DIS-	DIS-	DIS-	DIS-	DIS-	SOLVED	SOLVED	DIS-	DIS-	WATER,	WATER,	
DATE	(MG/L	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	AS	AS	SOLVED	DISS,	DISS,	DISS,	
		(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(UG/L	(UG/L	(UG/L	REC	REC	REC	
		AS MG)	AS NA)	AS K)	AS CL)	AS SO4)	AS F)	SiO2)	AS FE)	AS MN)	(UG/L)	(UG/L)	(UG/L)
		(00925)	(00930)	(00935)	(00940)	(00945)	(00950)	(00955)	(01046)	(01056)	(04024)	(04028)	(04029)
MAY													
29...	32	94	8.3	140	73	0.80	19	33	7.0	--	--	--	
JUL													
02...	36	80	8.0	110	96	0.70	21	52	11	--	--	--	
30...	27	63	4.9	100	32	0.70	13	36	7.0	--	--	--	
AUG													
13...	30	94	7.6	140	60	0.70	19	34	10	<0.007	<0.002	<0.035	
SEP													
09...	--	--	--	150	52	1.4	--	--	--	<0.007	<0.002	<0.035	

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

02281200 - HILLSBORO CANAL AT S-6 NEAR SHAWANO

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	SI-	PRO-	DEETHYL	CYANA-	FONOFOS	ALPHA		DICAMBA	LINURON	MCPA,	MCPB,	METHIO-
	MAZINE,	METON,	ATRA-	ZINE,		BHC	P,P'	WATER,	WATER,	WATER,	WATER,	CARB,
	WATER,	WATER,	ZINE,	WATER,		DIS-	DDE	FLTRD,	FLTRD,	FLTRD,	FLTRD,	FLTRD,
	DISS,	DISS,	DISS,	DISS,	DISS	SOLVED	DISSOLV	GF 0.7U	GF 0.7U	GF 0.7U	GF 0.7U	GF 0.7U
	REC	REC	REC	REC	REC			REC	REC	REC	REC	REC
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(04035)	(04037)	(04040)	(04041)	(04095)	(34253)	(34653)	(38442)	(38478)	(38482)	(38487)	(38501)
MAY												
29...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
02...	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
13...	0.117	<0.018	E0.013	<0.004	<0.003	<0.002	<0.006	<0.035	<0.018	<0.050	<0.035	<0.026
SEP												
09...	<0.005	<0.018	E0.006	<0.004	<0.003	<0.002	<0.006	<0.035	<0.018	<0.050	<0.035	<0.026
DATE	PRO-	BENTA-	FLUO-	OXAMYL,	CHLOR-	CHLOR-	DISUL-					ALKA-
	FOXUR,	ZON,	2,4-DB	METURON	WATER,	PYRIFOS	PYRIFOS	FOTON				LINITY
	FLTRD,	FLTRD,	FLTRD,	FLTRD,	FLTRD,	TOTAL	DIS-	UNFILT	PHORATE	THANE	DEF	WAT DIS
	GF 0.7U	GF 0.7U	GF 0.7U	GF 0.7U	GF 0.7U	RECOVER	SOLVED	RECOVER	TOTAL	TOTAL	TOTAL	TOT IT
	REC	REC	REC	REC	REC							FIELD
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	MG/L AS
	(38538)	(38711)	(38746)	(38811)	(38866)	(38932)	(38933)	(39011)	(39023)	(39034)	(39040)	CAC03
												(39086)
MAY												
29...	--	--	--	--	--	--	--	--	--	--	--	324
JUL												
02...	--	--	--	--	--	--	--	--	--	--	--	346
30...	--	--	--	--	--	--	--	--	--	--	--	323
AUG												
13...	<0.035	<0.014	<0.035	<0.035	<0.018	<0.010	<0.004	--	<0.010	<0.200	<0.010	300
SEP												
09...	<0.035	<0.014	<0.035	<0.035	<0.018	<0.010	<0.004	<0.010	<0.010	<0.100	<0.010	358
DATE	PCNS	ALDRIN,	LINDANE	LINDANE	CHLOR-	P,P'-	P,P'-	DI-	ENDO-	ENDRIN		
	UNFILT	TOTAL	TOTAL	DIS-	TECH-	DDD	DDD	ELDRIN	SULFAN,	WATER		
	RECOVER	TOTAL	TOTAL	SOLVED	NICAL	UNFILT	DDE,	UNFILT	I	UNFLTRD		
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(39250)	(39330)	(39340)	(39341)	(39350)	(39360)	(39365)	(39370)	(39380)	(39381)	(39388)	(39390)
MAY												
29...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
02...	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
13...	<0.200	<0.020	<0.020	<0.004	<0.200	<0.020	<0.020	<0.020	<0.020	<0.001	<0.020	<0.020
SEP												
09...	<0.100	<0.010	<0.010	<0.004	<0.100	<0.010	<0.010	<0.010	<0.010	<0.001	<0.010	<0.010

WATER RESOURCES DATA - FLORIDA, 1996

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

02281200 - HILLSBORO CANAL AT S-6 NEAR SHAWANO

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	ETHION, TOTAL (UG/L) (39398)	TOX- APHENE, TOTAL (UG/L) (39400)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	HEPTA- CHLOR EPOXIDE (UG/L) (39420)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	PCB, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, TOTAL (UG/L) (39540)	PARA- THION, DIS- SOLVED (UG/L) (39542)
MAY											
29...	--	--	--	--	--	--	--	--	--	--	--
JUL											
02...	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--
AUG											
13...	<0.010	<2.00	<0.020	0.036	<0.020	<0.020	<0.200	<0.010	<0.005	<0.010	<0.004
SEP											
09...	<0.010	<1.00	<0.010	0.304	<0.010	<0.010	<0.100	<0.010	<0.005	<0.010	<0.004
DATE	DI- AZINON, TOTAL (UG/L) (39570)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	METHYL PARA- THION, TOTAL (UG/L) (39600)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	2,4-D, DIS- SOLVED (UG/L) (39732)	2,4,5-T DIS- SOLVED (UG/L) (39742)	MIREX, TOTAL (UG/L) (39755)	SILVEX, DIS- SOLVED (UG/L) (39762)	TOTAL TRI- THION (UG/L) (39786)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)
MAY											
29...	--	--	--	--	--	--	--	--	--	--	--
JUL											
02...	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--
AUG											
13...	<0.010	<0.002	<0.010	0.484	<0.035	<0.035	<0.020	<0.021	<0.010	<0.002	<0.050
SEP											
09...	<0.010	<0.002	<0.010	0.252	<0.035	<0.035	<0.010	<0.021	<0.010	<0.002	<0.050
DATE	PRO- PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	ACETO- CHLOR, WATER, FLTRD, GF 0.7U REC (UG/L) (49260)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	1-NAPH THOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)	METH- OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	ESFEN- VAL- ERATE, WAT,FLT GF 0.7U REC (UG/L) (49298)	DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)
MAY											
29...	--	--	--	--	--	--	--	--	--	--	--
JUL											
02...	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--
AUG											
13...	<0.035	<0.002	<0.050	<0.019	<0.024	<0.015	<0.007	<0.017	<0.013	<0.019	<0.035
SEP											
09...	<0.035	<0.002	<0.050	<0.019	<0.024	<0.015	<0.007	<0.017	<0.013	<0.019	<0.035

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

02281200 - HILLSBORO CANAL AT S-6 NEAR SHAWANO

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DICHLOR- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR- AMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	3HYDRXY CARBO- FURAN, WAT,FLT GF 0.7U REC (UG/L) (49308)	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)
MAY											
29...	--	--	--	--	--	--	--	--	--	--	--
JUL											
02...	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--
AUG											
13...	<0.020	<0.035	<0.032	<0.020	<0.017	<0.050	<0.035	<0.011	<0.014	<0.028	<0.008
SEP											
09...	<0.020	<0.035	<0.032	<0.020	<0.017	<0.050	<0.035	<0.011	<0.014	<0.028	<0.008
DATE	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALDI- SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SAMPLE PURPOSE CODE (71999)	SAMPLE LOC- ATION, DIST UP- STREAM (FEET) (72105)	SEDI- MENT, SUS- PENDEED (MG/L) (80154)	DRAIN- AGE AREA (SQ. MI.) (81024)	SAM- PLING METHOD, CODES (82398)
MAY											
29...	--	--	--	--	--	764	15.00	--	32	146	10
JUL											
02...	--	--	--	--	--	770	15.00	250.0	3	146	10
30...	--	--	--	--	--	630	15.00	250.0	2	146	10
AUG											
13...	<0.035	<0.016	<0.016	<0.021	<0.035	722	15.00	--	4	146	10
SEP											
09...	<0.035	<0.016	<0.016	<0.021	<0.035	778	15.00	250.0	4	146	10
DATE	FONOFOS (DY- PONATE) WATER WHOLE TOT.REC (UG/L) (82614)	METRI- BUZIN SENSOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)
MAY											
29...	--	--	--	--	--	--	--	--	--	--	--
JUL											
02...	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--
AUG											
13...	<0.010	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004
SEP											
09...	<0.010	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004

WATER RESOURCES DATA - FLORIDA, 1996

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

02281200 - HILLSBORO CANAL AT S-6 NEAR SHAWANO

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	FRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)
MAY											
29...	--	--	--	--	--	--	--	--	--	--	--
JUL											
02...	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--
AUG											
13...	0.020	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003
SEP											
09...	E0.007	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003
DATE	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)		SPE- CIFIC CON- DUCT- LAB TYPE (CODE) (84164)	ALKAL- LINITY LAB AS CACO3 (90410)	DIAZ- INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)
MAY											
29...	--	--	--	--	--	--	--	3060	1130	326	--
JUL											
02...	--	--	--	--	--	--	--	3060	1140	340	--
30...	--	--	--	--	--	--	--	3060	955	334	--
AUG											
13...	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	3060	1110	305	95.5
SEP											
09...	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	3060	1150	364	114
DATE	TERBUTH YLAZINE SURROGT WAT FLT 0.7 U GF, REC PERCENT (91064)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	SET NUMBER SCHED- ULE 1319 (NO.) (99804)	SET NUMBER SCHED- ULE 1324 (NO.) (99806)	SET NUMBER SCHED- ULE 2001 (NO.) (99818)	SET NUMBER SCHED- ULE 2050 (NO.) (99820)	BDMC, SURROG, WATER, UNFLTRD REC (99835)	SAMPLE VOLUME, SCHED- ULE 2050 (ML) (99848)	SAMPLE VOLUME SCHED- ULE 2001 (ML) (99856)	SAMPLE VOLUME SCHED- ULE 1324 (ML) (99865)	SAMPLE VOLUME SCHED- ULE 1319 (ML) (99868)
MAY											
29...	--	--	--	--	--	--	--	--	--	--	--
JUL											
02...	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--
AUG											
13...	124	97.3	3465	3466	3447	3452	102	906	909	534	534
SEP											
09...	116	90.6	3572	3573	3575	3568	91.0	950	934	639	639

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

02288798 - TAMIAI CANAL AT BRIDGE 105 NR MONROE, FL

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	TEMPER-		BARO-	AGENCY	AGENCY	GAGE	SPE-	OXYGEN,	PH	PH	BICAR-
		ATURE		METRIC	COL-	ANA-		CIFIC		WATER	WATER	BONATE
		ATURE		PRES-	LECTING	LYZING		CON-		WHOLE	WHOLE	WATER
		WATER	AIR	SURE	SAMPLE	SAMPLE		DUCT-	DIS-	FIELD	LAB	DIS IT
		(DEG C)	(DEG C)	(MM	(CODE	(CODE	HEIGHT	ANCE	SOLVED	ARD	ARD	MG/L AS
		(00010)	(00020)	HG)	NUMBER)	NUMBER)	(FEET)	(US/CM)	(MG/L)	(STAND-	(STAND-	FIELD
										UNITS)	UNITS)	BCO3
										(00400)	(00403)	(00453)
MAY												
23...	1525	29.0	31.0	761	1028	80020	8.32	185	5.1	7.5	7.7	93
JUN												
20...	1425	27.0	22.0	762	1028	80020	8.52	184	5.5	7.4	7.5	94
JUL												
24...	1045	30.5	39.0	767	1028	80020	8.23	211	4.4	7.4	7.5	101
AUG												
20...	1055	27.5	32.0	767	1028	80020	8.05	290	3.9	7.2	7.4	147
SEP												
10...	1025	27.0	28.5	766	1028	80020	8.24	221	2.8	7.1	7.4	112

DATE	NITRO-	NITRO-	NITRO-	NITRO-	NITRO-	PHOS-	PHOS-	PHOS-	CARBON,	MAGNE-
	GEN,	GEN,	GEN,AM-	GEN,AM-	GEN,		PHORUS	PHORUS	ORGANIC	
	AMMONIA	NITRITE	MONIA +	MONIA +	NO2+NO3		ORTH,	ORTH,	SUS-	
	DIS-	DIS-	ORGANIC	ORGANIC	DIS-		DIS-	DIS-	PENDE	
	SOLVED	SOLVED	DIS.	TOTAL	SOLVED	TOTAL	SOLVED	SOLVED	TOTAL	SOLVED
	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L
	AS N)	AS N)	AS N)	AS N)	AS N)	AS P)	AS P)	AS P)	AS C)	AS CA)
	(00608)	(00613)	(00623)	(00625)	(00631)	(00665)	(00666)	(00671)	(00681)	(00915)
MAY										
23...	0.035	0.008	0.60	0.80	0.016	0.018	0.002	0.011	7.3	0.20
JUN										
20...	0.129	0.021	0.50	0.70	0.390	0.016	0.005	0.079	8.6	>2.0
JUL										
24...	0.040	0.003	1.1	1.1	0.008	0.016	0.005	<0.001	12	0.30
AUG										
20...	0.033	0.005	1.0	1.2	0.042	0.023	0.004	<0.001	12	0.20
SEP										
10...	0.023	0.004	0.80	1.2	0.031	0.027	--	<0.001	11	1.1

DATE	SODIUM,	POTAS-	CHLO-	SILICA,	FLUO-	IRON,	MANGA-	PROP-	BUTYL-	BRO-	SI-
	DIS-	SIUM,	RIDE,		RIDE,		NESE,	CHLOR,	ATE,	MACIL,	MAZINE,
	DIS-	DIS-	DIS-		DIS-		DIS-	WATER,	WATER,	WATER,	WATER,
	SOLVED	SOLVED	SOLVED		SOLVED		SOLVED	DISS,	DISS,	DISS,	DISS,
	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(UG/L	(UG/L	REC	REC	REC	REC
	AS NA)	AS K)	AS CL)	AS SO4)	AS F)	AS FE)	AS MN)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(00930)	(00935)	(00940)	(00945)	(00950)	(00955)	(01046)	(01056)	(04024)	(04028)	(04029)
MAY											
23...	5.3	0.20	9.0	2.1	<0.10	2.1	16	3.0	--	--	--
JUN											
20...	5.7	0.20	8.4	0.10	<0.10	3.1	25	2.0	--	--	--
JUL											
24...	7.5	0.10	11	<0.10	0.10	5.2	50	5.0	--	--	--
AUG											
20...	10	0.10	17	<0.10	<0.10	5.2	39	7.0	<0.007	<0.002	<0.035
SEP											
10...	7.6	0.20	13	<0.10	<0.10	3.8	32	3.0	--	--	--

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

02288798 - TAMIAMI CANAL AT BRIDGE 105 NR MONROE, FL

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

[illegible][illegible][illegible]

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

02288798 - TAMIAMI CANAL AT BRIDGE 105 NR MONROE, FL

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

[illegible]

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

02288798 - TAMiami CANAL AT BRIDGE 105 NR MONROE, FL

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

[illegible]

WATER RESOURCES DATA - FLORIDA, 1996

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

02289034 - U.S. SUGAR OUTFLOW CANAL NR CLEWISTON, FL

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME								PH	PH	BICAR-	NITRO-	
				METRIC	AGENCY	AGENCY	SPE-		WATER	WATER	BONATE	GEN,	
		TEMPER-	TEMPER-	PRES-	COL-	ANA-	CIFIC		WHOLE	WHOLE	WATER	AMMONIA	
		ATURE	ATURE	SURE	LECTING	LYZING	CON-	OXYGEN,	FIELD	LAB	DIS IT	DIS-	
		(DEG C)	(DEG C)	(MM	SAMPLE	SAMPLE	DUCT-	DIS-	(STAND-	(STAND-	FIELD	SOLVED	
		(00010)	(00020)	(00025)	(00027)	(00028)	(00095)	(00300)	(00400)	(00403)	(00453)	(00608)	
MAY													
30...	1445	27.0	24.5	762	1028	80020	490	0.9	7.0	7.5	193	0.030	
JUN													
27...	1140	30.0	34.0	762	1028	80020	434	0.8	7.1	7.4	172	0.036	
JUL													
25...	1200	30.5	--	767	1028	80020	525	4.6	7.2	7.6	229	0.312	
AUG													
30...	1220	29.0	32.5	764	1028	80020	468	2.2	7.1	7.4	185	0.210	
SEP													
19...	1250	29.0	33.5	765	1028	80020	455	0.7	7.1	7.6	185	0.045	
		NITRO-	NITRO-	NITRO-	NITRO-		PHOS-		CARBON,				
		GEN,	GEN,AM-	GEN,AM-	GEN,		PHORUS		ORGANIC		MAGNE-		
		NITRITE	MONIA +	MONIA +	NO2+NO3	PHOS-	ORTH,	CARBON,	SUS-	CALCIUM	SIUM,	SODIUM,	
		DIS-	ORGANIC	ORGANIC		DIS-	DIS-	ORGANIC	PENDED	DIS-	DIS-	DIS-	
		SOLVED	DIS.	TOTAL	SOLVED	TOTAL	SOLVED	SOLVED	TOTAL	SOLVED	SOLVED	SOLVED	
DATE		(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	
		AS N)	AS N)	AS N)	AS N)	AS P)	AS P)	AS P)	AS C)	AS CA)	AS MG)	AS NA)	
		(00613)	(00623)	(00625)	(00631)	(00665)	(00666)	(00671)	(00681)	(00689)	(00915)	(00930)	
MAY													
30...	0.013	1.1	1.4	0.037	0.092	0.083	0.062	20	0.90	75	3.7	21	
JUN													
27...	0.008	1.0	1.1	0.016	0.097	0.070	0.060	19	0.10	66	3.5	18	
JUL													
25...	0.006	1.4	2.1	<0.005	0.190	0.120	0.091	22	0.80	77	4.2	22	
AUG													
30...	0.044	1.4	3.1	0.210	0.340	0.120	0.054	20	0.10	68	3.8	19	
SEP													
19...	<0.001	1.1	1.4	0.019	0.120	0.082	0.056	19	0.30	66	3.7	19	
		POTAS-	CHLO-		FLUO-	SILICA,		MANGA-	PROP-	BUTYL-	BRO-	SI-	PRO-
		SIUM,	RIDE,	SULFATE	RIDE,	DIS-	IRON,	NESE,	CHLOR,	ATE,	MACIL,	MAZINE,	METON,
		DIS-	DIS-	DIS-	DIS-	SOLVED	DIS-	DIS-	WATER,	WATER,	WATER,	WATER,	WATER,
		SOLVED	SOLVED	SOLVED	SOLVED	(MG/L	SOLVED	SOLVED	DISS,	DISS,	DISS,	DISS,	DISS,
DATE		(MG/L	(MG/L	(MG/L	(MG/L	AS	(UG/L	(UG/L	REC	REC	REC	REC	REC
		AS K)	AS CL)	AS SO4)	AS F)	SIO2)	AS FE)	AS MN)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
		(00935)	(00940)	(00945)	(00950)	(00955)	(01046)	(01056)	(04024)	(04028)	(04029)	(04035)	(04037)
MAY													
30...	4.8	31	34	0.20	7.5	120	13	--	--	--	--	--	--
JUN													
27...	3.8	28	27	0.20	6.8	130	13	--	--	--	--	--	--
JUL													
25...	3.9	33	18	0.20	9.8	510	48	--	--	--	--	--	--
AUG													
30...	5.4	32	27	0.20	7.8	180	16	<0.007	<0.002	<0.035	0.039	<0.018	<0.018
SEP													
19...	4.2	33	22	0.20	7.2	180	12	<0.007	<0.002	<0.035	0.025	<0.018	<0.018

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

02289034 - U.S. SUGAR OUTFLOW CANAL NR CLEWISTON, FL

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	DEETHYL									METHIO-	PRO-	BENTA-
	ATRA-	CYANA-				DICAMBA	LINURON	MCPA,	MCPB,	CARB,	POXUR,	ZON,
	ZINE,	ZINE,	FONOFOS	ALPHA		WATER,	WATER,	WATER,	WATER,	WATER,	WATER,	WATER,
	WATER,	WATER,	WATER	BHC	P,P'	FLTRD,	FLTRD,	FLTRD,	FLTRD,	FLTRD,	FLTRD,	FLTRD,
	DISS,	DISS,	DISS	DIS-	DDE	GF 0.7U	GF 0.7U	GF 0.7U	GF 0.7U	GF 0.7U	GF 0.7U	GF 0.7U
	REC	REC	REC	SOLVED	DISSOLV	REC	REC	REC	REC	REC	REC	REC
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(04040)	(04041)	(04095)	(34253)	(34653)	(38442)	(38478)	(38482)	(38487)	(38501)	(38538)	(38711)
MAY												
30...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
27...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
25...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
30...	<0.002	<0.004	<0.003	<0.002	<0.006	<0.035	<0.018	<0.050	<0.035	<0.026	<0.035	<0.014
SEP												
19...	<0.002	<0.004	<0.003	<0.002	<0.006	<0.035	<0.018	<0.050	<0.035	<0.026	<0.035	<0.014
DATE	2,4-DB	FLUO-								ALKA-		
	WATER,	METURON	OXAMYL,			DISUL-				LINITY		
	FLTRD,	FLTRD,	FLTRD,	CHLOR-	CHLOR-	FOTON				WAT DIS		
	GF 0.7U	GF 0.7U	GF 0.7U	PYRIFOS	PYRIFOS	UNFILT	PHORATE	PER-	THANE	DEF	TOT IT	PCNS
	REC	REC	REC	TOTAL	DIS-	RECOVER	TOTAL	TOTAL	TOTAL	TOTAL	MG/L AS	UNFILT
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	CACO3	RECOVER
	(38746)	(38811)	(38866)	(38932)	(38933)	(39011)	(39023)	(39034)	(39040)	(39086)	(39250)	(39330)
MAY												
30...	--	--	--	--	--	--	--	--	--	158	--	--
JUN												
27...	--	--	--	--	--	--	--	--	--	141	--	--
JUL												
25...	--	--	--	--	--	--	--	--	--	188	--	--
AUG												
30...	<0.035	<0.035	<0.018	<0.010	<0.004	<0.010	<0.010	<0.100	<0.010	152	<0.100	<0.010
SEP												
19...	<0.035	<0.035	<0.018	<0.010	<0.004	--	<0.010	<0.100	<0.010	152	<0.100	<0.010
DATE	LINDANE		CHLOR-									
	DIS-		DANE,	P,P'-		P,P'-		DI-	ENDO-	ENDRIN		
	SOLVED		TECH-	DDD	P,P'-	DDT	DI-	ELDRIN	SULFAN,	WATER		TOX-
	TOTAL	NICAL	UNFILT	DDE,	UNFILT	ELDRIN	SOLVED	TOTAL	I	UNFLTRD	ETHION,	APHENE,
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(39340)	(39341)	(39350)	(39360)	(39365)	(39370)	(39380)	(39381)	(39388)	(39390)	(39398)	(39400)
MAY												
30...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
27...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
25...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
30...	<0.010	<0.004	<0.100	<0.010	<0.010	<0.010	<0.010	<0.001	<0.010	<0.010	<0.010	<1.00
SEP												
19...	<0.010	<0.004	<0.100	<0.010	<0.010	<0.010	<0.010	<0.001	<0.010	<0.010	<0.010	<1.00

WATER RESOURCES DATA - FLORIDA, 1996

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

02289034 - U.S. SUGAR OUTFLOW CANAL NR CLEWISTON, FL

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	HEPTA- CHLOR, TOTAL (UG/L) (39410)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	PCB, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, TOTAL (UG/L) (39540)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, TOTAL (UG/L) (39570)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	METHYL THION, TOTAL (UG/L) (39600)
MAY												
30...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
27...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
25...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
30...	<0.010	<0.002	<0.010	<0.010	<0.100	<0.010	<0.005	<0.010	<0.004	<0.010	<0.002	<0.010
SEP												
19...	<0.010	<0.002	<0.010	<0.010	<0.100	<0.010	<0.005	<0.010	<0.004	<0.010	<0.002	<0.010
DATE	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	2,4-D, DIS- SOLVED (UG/L) (39732)	2,4,5-T DIS- SOLVED (UG/L) (39742)	MIREX, TOTAL (UG/L) (39755)	SILVEX, DIS- SOLVED (UG/L) (39762)	TOTAL TRI- THION (UG/L) (39786)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	PRO- PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	ACETO- CHLOR, WATER, FLTRD, GF 0.7U REC (UG/L) (49260)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)
MAY												
30...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
27...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
25...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
30...	<0.001	<0.035	<0.035	<0.010	<0.021	<0.010	<0.002	<0.050	<0.035	<0.002	<0.050	<0.019
SEP												
19...	0.006	<0.035	<0.035	<0.010	<0.021	<0.010	<0.002	<0.050	<0.035	<0.002	<0.050	<0.019
DATE	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	1-NAPH THOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)	METH- OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	ESFEN- VAL- ERATE, WAT,FLT GF 0.7U REC (UG/L) (49298)	DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DICHLOR BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)
MAY												
30...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
27...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
25...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
30...	<0.024	<0.015	<0.007	<0.017	<0.013	<0.019	<0.035	0.200	<0.035	<0.032	<0.020	<0.017
SEP												
19...	<0.024	<0.015	<0.007	<0.017	<0.013	<0.019	<0.035	<0.020	<0.035	<0.032	<0.020	<0.017

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

02289034 - U.S. SUGAR OUTFLOW CANAL NR CLEWISTON, FL

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR- AMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	3HYDRXY CARBO- FURAN, WAT,FLT GF 0.7U REC (UG/L) (49308)	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALDI- CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
MAY												
30...	--	--	--	--	--	--	--	--	--	--	--	323
JUN												
27...	--	--	--	--	--	--	--	--	--	--	--	286
JUL												
25...	--	--	--	--	--	--	--	--	--	--	--	350
AUG												
30...	<0.050	<0.035	<0.011	<0.014	<0.028	<0.008	<0.035	<0.016	<0.016	<0.021	<0.035	309
SEP												
19...	<0.050	<0.035	<0.011	<0.014	<0.028	<0.008	<0.035	<0.016	<0.016	<0.021	<0.035	284
		SAMPLE LOC- ATION, DIST UP- STREAM PURPOSE CODE (71999)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SAM- PLING METHOD, CODES (82398)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	TER- PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)
MAY												
30...	15.00	0	3	10	--	--	--	--	--	--	--	--
JUN												
27...	15.00	--	2	10	--	--	--	--	--	--	--	--
JUL												
25...	15.00	0	8	10	--	--	--	--	--	--	--	--
AUG												
30...	15.00	1.0	16	10	<0.010	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002
SEP												
19...	15.00	1.0	--	10	<0.010	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002
		METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
MAY												
30...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
27...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
25...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
30...	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001
SEP												
19...	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001

WATER RESOURCES DATA - FLORIDA, 1996

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

02289034 - U.S. SUGAR OUTFLOW CANAL NR CLEWISTON, FL

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT GF, REC (UG/L) (82687)		SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	ALKA- LINITY LAB (MG/L) (90410)
MAY												
30...	--	--	--	--	--	--	--	--	--	3060	488	164
JUN												
27...	--	--	--	--	--	--	--	--	--	3060	431	146
JUL												
25...	--	--	--	--	--	--	--	--	--	3060	513	190
AUG												
30...	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	3060	460	149
SEP												
19...	0.036	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	3060	446	156
	DIAZ- INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	TERBUTH YLAZINE SURROGT WAT FLT 0.7 U GF, REC PERCENT (91064)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	SET NUMBER SCHED- ULE 1319 (NO.) (99804)	SET NUMBER SCHED- ULE 1324 (NO.) (99806)	SET NUMBER SCHED- ULE 2001 (NO.) (99818)	SET NUMBER SCHED- ULE 2050 (NO.) (99820)	BDMC, SURROG, WATER, REC UNFLTRD PERCENT (99835)	SAMPLE VOLUME, SCHED- ULE 2050 (ML) (99848)	SAMPLE VOLUME SCHED- ULE 2001 (ML) (99856)	SAMPLE VOLUME SCHED- ULE 1324 (ML) (99865)	SAMPLE VOLUME SCHED- ULE 1319 (ML) (99868)
MAY												
30...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
27...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
25...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
30...	99.5	115	86.4	3536	3537	3538	3530	76.0	917	892	930	630
SEP												
19...	88.0	102	67.4	3638	3639	3619	3625	92.0	906	877	781	781

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

02292795 - CALOOSAHATCHEE RIVER AT ALVA, FL

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	TEMPER-		BARO-	AGENCY	AGENCY	DIS-	SPE-	PH	PH
		ATURE		METRIC	COL-	ANA-	CHARGE,	CIFIC	WATER	WATER
		WATER		PRES-	LECTING	LYZING	INST.	CON-	WHOLE	WHOLE
		AIR		SURE	SAMPLE	SAMPLE	CUBIC	DUCT-	OXYGEN,	FIELD
		(DEG C)	(DEG C)	(MM OF HG)	(CODE NUMBER)	(CODE NUMBER)	FEET PER SECOND	ANCE SOLVED	(STAND- ARD	(STAND- ARD
		(00010)	(00020)	(00025)	(00027)	(00028)	(00061)	(00095)	(00300)	(00400)
JUN										
04...	1700	29.5	--	765	1028	80020	0.0	510	9.0	7.7
JUL										
11...	1135	30.0	36.0	761	1028	80020	2160	408	3.6	7.1
AUG										
16...	1120	32.0	37.0	767	1028	80020	632	415	3.3	7.3
SEP										
18...	1350	31.0	33.0	762	1028	80020	293	505	6.7	7.4

DATE	BICAR-	NITRO-	NITRO-	NITRO-	NITRO-	NITRO-	PHOS-	PHOS-	PHOS-	CARBON,
	BONATE	GEN,	GEN,	GEN,AM-	GEN,AM-	GEN,	PHOS-	PHORUS	PHORUS	ORGANIC
	WATER	AMMONIA	NITRITE	MONIA +	MONIA +	NO2+NO3	PHOS-	PHORUS	ORTHO,	ORGANIC
	DIS IT	DIS-	DIS-	ORGANIC	ORGANIC	DIS-	PHORUS	DIS-	DIS-	DIS-
	FIELD	SOLVED	SOLVED	DIS.	TOTAL	SOLVED	TOTAL	SOLVED	SOLVED	SOLVED
	(MG/L AS HCO3)	(MG/L AS N)	(MG/L AS N)	(MG/L AS N)	(MG/L AS N)	(MG/L AS N)	(MG/L AS P)	(MG/L AS P)	(MG/L AS P)	(MG/L AS C)
	(00453)	(00608)	(00613)	(00623)	(00625)	(00631)	(00665)	(00666)	(00671)	(00681)

JUN										
04...	153	0.043	0.030	1.0	1.3	0.340	0.120	0.110	0.091	17
JUL										
11...	139	0.106	0.021	1.1	1.3	0.160	0.140	0.120	0.110	20
AUG										
16...	143	0.109	0.090	1.0	1.0	0.190	0.130	0.110	0.086	16
SEP										
18...	187	0.019	0.007	0.80	1.0	0.330	0.180	0.150	0.130	17

DATE	CARBON,	MAGNE-		POTAS-	CHLO-	SULFATE	FLUO-	SILICA,	IRON,
	ORGANIC	SIUM,		SIUM,	RIDE,	DIS-	RIDE,	DIS-	DIS-
	SUS-	DIS-		DIS-	DIS-	DIS-	DIS-	DIS-	DIS-
	FENDED	SOLVED		SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED
	TOTAL	(MG/L AS CA)		(MG/L AS NA)	(MG/L AS K)	(MG/L AS CL)	(MG/L AS SO4)	(MG/L AS F)	(MG/L AS FE)
	(00689)	(00915)	(00925)	(00930)	(00935)	(00940)	(00945)	(00950)	(00955)

JUN										
04...	1.6	53	11	30	6.6	54	33	0.20	5.4	95
JUL										
11...	0.10	46	7.5	23	4.3	39	21	0.20	7.4	280
AUG										
16...	0.30	45	7.9	24	3.5	41	23	0.20	7.3	210
SEP										
18...	0.50	59	7.7	24	4.7	43	26	0.20	8.0	140

WATER RESOURCES DATA - FLORIDA, 1996

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

02292795 - CALOOSAHATCHEE RIVER AT ALVA, FL

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	ALKA- LINITY WAT DIS TOT IT MG/L AS CACO3	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SAMPLE PURPOSE CODE	SAMPLE LOC- ATION, DIST UP- STREAM (FEET)	SEDI- MENT, SUS- PENDE (MG/L)	SAM- PLING METHOD, CODES	SAMPLER TYPE (CODE)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	ALKA- LINITY LAB (MG/L AS CACO3)
	(01056)	(39086)	(70300)	(71999)	(72105)	(80154)	(82398)	(84164)	(90095)	(90410)
JUN										
04...	1.0	129	316	15.00	--	2	10	3060	500	131
JUL										
11...	14	114	270	15.00	--	0	10	3060	405	113
AUG										
16...	17	118	282	15.00	--	1	10	3060	414	119
SEP										
18...	13	153	314	15.00	1.0	7	10	3060	492	157

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

252414080333200 - C-111 CANAL 100 FT ABV S-177 NR HOMESTEAD

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

										PH	PH	BICAR-
				METRIC	AGENCY	AGENCY				WATER	WATER	BONATE
				PRES-	COL-	ANA-				WHOLE	WHOLE	WATER
		TEMPER-	TEMPER-	SURE	LECTING	LYZING				FIELD	LAB	DIS IT
DATE	TIME	ATURE	ATURE	(MM	SAMPLE	SAMPLE	GAGE	DUCT-	OXYGEN,	(STAND-	(STAND-	FIELD
		WATER	AIR	OF	(CODE	(CODE	HEIGHT	ANCE	DIS-	ARD	ARD	MG/L AS
		(DEG C)	(DEG C)	HG)	(NUMBER)	(NUMBER)	(FEET)	(US/CM)	(MG/L)	(UNITS)	(UNITS)	HCO3
		(00010)	(00020)	(00025)	(00027)	(00028)	(00065)	(00095)	(00300)	(00400)	(00403)	(00453)
MAY												
22...	1445	27.0	32.0	758	1028	80020	--	562	5.1	7.6	7.8	255
JUN												
24...	1217	26.0	29.0	764	1028	80020	--	541	1.6	7.2	7.4	257
JUL												
22...	1040	30.0	34.0	768	1028	80020	3.76	477	4.4	7.3	7.6	246
AUG												
23...	1125	25.5	34.0	771	1028	80020	4.10	514	1.8	7.2	7.6	251
SEP												
11...	1105	26.0	31.0	765	1028	80020	3.99	488	2.4	7.2	7.7	244
		NITRO-	NITRO-	NITRO-	NITRO-			PHOS-	CARBON,			
		GEN,	GEN,	GEN,AM-	GEN,AM-	GEN,	PHOS-	PHORUS	CARBON,	ORGANIC	CALCIUM	MAGNE-
		AMMONIA	NITRITE	MONIA +	MONIA +	NO2+NO3	PHOS-	PHORUS	ORTHO,	SUS-	DIS-	SIUM,
		DIS-	DIS-	ORGANIC	ORGANIC	DIS-	PHORUS	DIS-	DIS-	PENDED	DIS-	DIS-
		SOLVED	SOLVED	TOTAL	TOTAL	SOLVED	TOTAL	SOLVED	SOLVED	TOTAL	SOLVED	SOLVED
DATE		(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L
		AS N)	AS N)	AS N)	AS N)	AS N)	AS P)	AS P)	AS P)	AS C)	AS CA)	AS MG)
		(00608)	(00613)	(00623)	(00625)	(00631)	(00665)	(00666)	(00671)	(00681)	(00689)	(00925)
MAY												
22...	0.190	0.006	0.80	0.90	0.014	0.006	0.001	0.001	12	0.20	75	7.7
JUN												
24...	0.106	0.015	0.40	0.50	0.140	0.011	0.003	<0.001	7.2	0.20	76	5.6
JUL												
22...	0.128	0.001	0.40	0.70	<0.005	0.008	0.003	<0.001	6.2	0.30	79	4.8
AUG												
23...	0.082	0.006	0.40	0.50	0.031	0.004	0.003	<0.001	--	--	77	5.8
SEP												
11...	0.141	0.003	0.40	0.50	0.007	0.008	0.003	<0.001	5.6	0.30	73	4.5
		SODIUM,	POTAS-	CHLO-					MANGA-	PROP-	BUTYL-	SI-
		DIS-	SIUM,	RIDE,	SULFATE	FLUO-	SILICA,	IRON,	NESE,	CHLOR,	ATE,	MAZINE,
		SOLVED	DIS-	DIS-	DIS-	RIDE,	DIS-	DIS-	DIS-	WATER,	WATER,	WATER,
		(MG/L	SOLVED	SOLVED	SOLVED	SOLVED	(MG/L	SOLVED	SOLVED	DISS,	DISS,	DISS,
DATE		AS NA)	(MG/L	(MG/L	(MG/L	(MG/L	AS	(UG/L	(UG/L	REC	REC	REC
		(00930)	AS K)	AS CL)	AS SO4)	AS F)	SiO2)	AS FE)	AS MN)	(UG/L)	(UG/L)	(UG/L)
		(00935)	(00940)	(00945)	(00950)	(00955)	(01046)	(01056)	(04024)	(04028)	(04029)	(04035)
MAY												
22...	31	2.9	49	3.5	0.20	6.2	100	4.0	--	--	--	--
JUN												
24...	22	4.6	36	12	0.20	4.9	45	7.0	--	--	--	--
JUL												
22...	15	3.0	26	4.1	0.20	5.1	15	7.0	--	--	--	--
AUG												
23...	17	5.4	29	13	0.10	4.6	61	5.0	<0.007	<0.002	0.090	<0.005
SEP												
11...	15	3.7	26	8.6	0.10	4.5	44	4.0	<0.007	E0.001	<0.035	<0.005

WATER RESOURCES DATA - FLORIDA, 1996

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

252414080333200 - C-111 CANAL 100 FT ABV S-177 NR HOMESTEAD

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	DEETHYL						METHIO-				PRO-	
	PRO-	ATRA-	CYANA-	FONOFOS	ALPHA	P, P'	DICAMBA	LINURON	MCPA,	MCPB,	CARB,	POXUR,
	METON,	ZINE,	ZINE,				WATER,	WATER,	WATER,	WATER,	WATER,	WATER,
	WATER,	WATER,	WATER,				FLTRD,	FLTRD,	FLTRD,	FLTRD,	FLTRD,	FLTRD,
	DISS,	DISS,	DISS,				GF 0.7U	GF 0.7U	GF 0.7U	GF 0.7U	GF 0.7U	GF 0.7U
	REC	REC	REC	REC	SOLVED	DISSOLV	REC	REC	REC	REC	REC	REC
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(04037)	(04040)	(04041)	(04095)	(34253)	(34653)	(38442)	(38478)	(38482)	(38487)	(38501)	(38538)
MAY												
22...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
24...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
22...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
23...	<0.018	E0.004	<0.004	<0.003	<0.002	<0.006	0.100	0.090	0.080	0.080	<0.050	0.070
SEP												
11...	<0.018	E0.004	<0.004	<0.003	<0.002	<0.006	<0.035	<0.018	<0.050	<0.035	<0.026	<0.035

DATE	BENTA-		FLUO-		OXAMYL,		CHLOR-		DISUL-		ALKA-	
	ZON,	2,4-DB	METURON	WATER,	WATER,	CHLOR-	CHLOR-	DISUL-	PHORATE	THANE	DEF	WAT DIS
	FLTRD,	FLTRD,	FLTRD,	FLTRD,	FLTRD,	PYRIFOS	PYRIFOS	FOTON	UNFILTR	TOTAL	TOTAL	TOTAL
	GF 0.7U	GF 0.7U	GF 0.7U	GF 0.7U	GF 0.7U	TOTAL	DIS-	UNFILTR	PHORATE	THANE	DEF	TOT IT
	REC	REC	REC	REC	RECOVER	SOLVED	RECOVER	TOTAL	TOTAL	TOTAL	TOTAL	FIELD
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	MG/L AS
	(38711)	(38746)	(38811)	(38866)	(38932)	(38933)	(39011)	(39023)	(39034)	(39040)	(39086)	PCNS
MAY												
22...	--	--	--	--	--	--	--	--	--	--	209	--
JUN												
24...	--	--	--	--	--	--	--	--	--	--	211	--
JUL												
22...	--	--	--	--	--	--	--	--	--	--	202	--
AUG												
23...	0.110	0.080	0.090	<0.040	<0.010	<0.004	<0.010	<0.010	<0.100	<0.010	206	<0.100
SEP												
11...	<0.014	<0.035	<0.035	<0.018	<0.010	<0.004	--	<0.010	<0.100	<0.010	200	<0.100

DATE	CHLOR-		P, P'-		P, P'-		DI-		ENDO-		ENDRIN	
	ALDRIN,	LINDANE	LINDANE	TECH-	DANE,	DDD	DDT	DI-	ELDRIN	SULFAN,	WATER	ETHION,
	TOTAL	TOTAL	DIS-	NICAL	UNFILTR	DDE,	UNFILTR	ELDRIN	DIS-	I	UNFILTR	ETHION,
	RECOVER	RECOVER	SOLVED	TOTAL	RECOVER	TOTAL	RECOVER	TOTAL	SOLVED	TOTAL	REC	TOTAL
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(39330)	(39340)	(39341)	(39350)	(39360)	(39365)	(39370)	(39380)	(39381)	(39388)	(39390)	(39398)
MAY												
22...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
24...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
22...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
23...	<0.010	<0.010	<0.004	<0.100	<0.010	<0.010	<0.010	<0.010	<0.001	<0.010	<0.010	<0.010
SEP												
11...	<0.010	<0.010	<0.004	<0.100	<0.010	<0.010	<0.010	<0.010	<0.001	<0.010	<0.010	<0.010

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

252414080333200 - C-111 CANAL 100 FT ABV S-177 NR HOMESTEAD

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TOX- APHENE, TOTAL (UG/L) (39400)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	PCB, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, TOTAL (UG/L) (39540)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, TOTAL (UG/L) (39570)	DI- AZINON, DIS- SOLVED (UG/L) (39572)
MAY												
22...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
24...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
22...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
23...	<1.00	<0.010	0.005	<0.010	<0.010	<0.100	<0.010	<0.005	<0.010	<0.004	<0.010	<0.002
SEP												
11...	<1.00	<0.010	0.006	<0.010	<0.010	<0.100	<0.010	<0.005	<0.010	<0.004	<0.010	<0.002

DATE	METHYL THION, TOTAL (UG/L) (39600)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	2,4-D, DIS- SOLVED (UG/L) (39732)	2,4,5-T DIS- SOLVED (UG/L) (39742)	MIREX, TOTAL (UG/L) (39755)	SILVEX, DIS- SOLVED (UG/L) (39762)	TRI- THION (UG/L) (39786)	ALA- CHLOR, WATER, REC, (UG/L) (46342)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	PRO- PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	ACETO- CHLOR, WATER, FLTRD (UG/L) (49260)
MAY											
22...	--	--	--	--	--	--	--	--	--	--	--
JUN											
24...	--	--	--	--	--	--	--	--	--	--	--
JUL											
22...	--	--	--	--	--	--	--	--	--	--	--
AUG											
23...	<0.010	0.024	0.100	0.100	<0.010	0.120	<0.010	<0.002	0.090	--	<0.002
SEP											
11...	<0.010	0.020	<0.035	<0.035	<0.010	<0.021	<0.010	<0.002	<0.050	<0.035	<0.002

DATE	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	1-NAPH THOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)	METH- OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	ESFEN- VAL- ERATE, WAT,FLT GF 0.7U REC (UG/L) (49298)	DIURON, DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)
MAY										
22...	--	--	--	--	--	--	--	--	--	--
JUN										
24...	--	--	--	--	--	--	--	--	--	--
JUL										
22...	--	--	--	--	--	--	--	--	--	--
AUG										
23...	0.100	<0.050	0.080	0.090	<0.007	0.110	0.080	<0.019	<0.035	0.100
SEP										
11...	<0.050	<0.019	<0.024	<0.015	<0.007	<0.017	<0.013	<0.019	<0.035	<0.020

WATER RESOURCES DATA - FLORIDA, 1996

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

252414080333200 - C-111 CANAL 100 FT ABV S-177 NR HOMESTEAD

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DICHLO- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR- AMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	3HYDRXY CARBO- FURAN, WAT,FLT GF 0.7U REC (UG/L) (49308)	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	BRO- MOXYNIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)
MAY											
22...	--	--	--	--	--	--	--	--	--	--	--
JUN											
24...	--	--	--	--	--	--	--	--	--	--	--
JUL											
22...	--	--	--	--	--	--	--	--	--	--	--
AUG											
23...	0.130	<0.050	0.090	<0.050	<0.035	<0.011	<0.050	0.070	<0.050	0.110	<0.030
SEP											
11...	<0.032	<0.020	<0.017	<0.050	<0.035	<0.011	<0.014	<0.028	<0.008	<0.035	<0.016
DATE	ALDI- CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SAMPLE PURPOSE CODE (71999)	SAMPLE LOC- ATION, DIST UP- STREAM (FEET) (72105)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SAM- PLING METHOD, TOT.REC (UG/L) (82398)	FONOFOS (DY- FONATE) WATER WHOLE (UG/L) (82614)	METRI- BUZIN SENCOR WATER (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)
MAY											
22...	--	--	--	328	15.00	1800	2	10	--	--	--
JUN											
24...	--	--	--	312	15.00	1800	9	10	--	--	--
JUL											
22...	--	--	--	267	15.00	1800	24	10	--	--	--
AUG											
23...	0.080	0.130	0.120	292	15.00	1800	5	10	<0.010	<0.004	0.005
SEP											
11...	<0.016	<0.021	<0.035	273	15.00	1800	--	10	<0.010	<0.004	0.004
DATE	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT FLTRD 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FILTRD FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD FLTRD 0.7 U GF, REC (UG/L) (82672)
MAY											
22...	--	--	--	--	--	--	--	--	--	--	--
JUN											
24...	--	--	--	--	--	--	--	--	--	--	--
JUL											
22...	--	--	--	--	--	--	--	--	--	--	--
AUG											
23...	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	0.005	<0.004	0.017	<0.004	<0.003
SEP											
11...	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	0.004	<0.004	E0.009	<0.004	<0.003

VOLUME 2A: SOUTH FLORIDA

NATIONAL WATER-QUALITY ASSESSMENT (NAWQA) PROGRAM

252414080333200 - C-111 CANAL 100 FT ABV S-177 NR HOMESTEAD

SURFACE WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

	BEN- FLUR- ALIN WAT FLD	CARBO- FURAN WATER FLTRD	TER- BUFOS WATER FLTRD	PRON- AMIDE WATER FLTRD	DISUL- FOTON WATER FLTRD	TRIAL- LATE WATER FLTRD	PRO- PANIL WATER FLTRD	CAR- BARYL WATER FLTRD	THIO- BENCARB WATER FLTRD	DCPA WATER FLTRD	PENDI- METH- ALIN WAT FLT
DATE	GF, REC (UG/L) (82673)	GF, REC (UG/L) (82674)	GF, REC (UG/L) (82675)	GF, REC (UG/L) (82676)	GF, REC (UG/L) (82677)	GF, REC (UG/L) (82678)	GF, REC (UG/L) (82679)	GF, REC (UG/L) (82680)	GF, REC (UG/L) (82681)	GF, REC (UG/L) (82682)	GF, REC (UG/L) (82683)
MAY											
22...	--	--	--	--	--	--	--	--	--	--	--
JUN											
24...	--	--	--	--	--	--	--	--	--	--	--
JUL											
22...	--	--	--	--	--	--	--	--	--	--	--
AUG											
23...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004
SEP											
11...	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004
	NAPROP- AMIDE WATER FLTRD	PRO- PARGITE WATER FLTRD	METHYL AZIN- PHOS WAT FLT	PER- METHRIN CIS WAT FLT		SPE- CIFIC CON- DUCT- ANCE	ALKA- LINITY LAB (MG/L)	DIAZ- INON D10 SRG WAT FLT	TERBUTH YLAZINE SURROGT WAT FLT	HCH ALPHA D6 SRG WAT FLT	BLANK, METH- SOURCE OF SOLU- TION (CODE)
DATE	GF, REC (UG/L) (82684)	GF, REC (UG/L) (82685)	GF, REC (UG/L) (82686)	GF, REC (UG/L) (82687)	SAMPLER TYPE (CODE) (84164)	LAB (US/CM) (90095)	AS CACO3 (90410)	GF, REC PERCENT (91063)	GF, REC PERCENT (91064)	GF, REC PERCENT (91065)	(99101)
MAY											
22...	--	--	--	--	3060	555	214	--	--	--	20.00
JUN											
24...	--	--	--	--	3060	540	214	--	--	--	--
JUL											
22...	--	--	--	--	3060	473	207	--	--	--	--
AUG											
23...	<0.003	<0.013	<0.001	<0.005	3060	514	211	70.6	98.0	72.9	--
SEP											
11...	<0.003	<0.013	<0.001	<0.005	3060	494	206	90.6	117	101	--
	REF- ERENCE BLANK, TYPE OF SAMPLE (CODE) (99102)	MA- TERIAL/ SPIKE SOURCE (CODE) (99104)	SET NUMBER SCHED- ULE 1319 (NO.) (99804)	SET NUMBER SCHED- ULE 1324 (NO.) (99806)	SET NUMBER SCHED- ULE 2001 (NO.) (99818)	SET NUMBER SCHED- ULE 2050 (NO.) (99820)	BDMC, SURROG, WATER, UNFLTRD REC (99835)	SAMPLE VOLUME, SCHED- ULE 2050 (ML) (99848)	SAMPLE VOLUME SCHED- ULE 2001 (ML) (99856)	SAMPLE VOLUME SCHED- ULE 1324 (ML) (99865)	SAMPLE VOLUME SCHED- ULE 1319 (ML) (99868)
MAY											
22...	1.00	120	--	--	--	--	--	--	--	--	--
JUN											
24...	--	--	--	--	--	--	--	--	--	--	--
JUL											
22...	--	--	--	--	--	--	--	--	--	--	--
AUG											
23...	--	--	3511	3512	3492	3487	81.0	914	900	944	944
SEP											
11...	--	--	3592	3593	3584	3581	87.0	910	925	699	699

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Accuracy of the records	23	E-3 Canal at SW 18th St in Boca Raton, FL	158
Acknowledgment	III	E-4 Canal at Clint-Moore Road in Boca Raton, FL	146
Acre-foot, definition of	31	Everglades 1 in C-111 Basin near Homestead, FL	305
Algae, definition of	31	Everglades 2A in C-111 Basin near Homestead, FL	304
Annual 7-day minimum discharge	30	Everglades 2B in C-111 Basin near Homestead, FL	303
Aquifer, definition of	31	Everglades 3 in C-111 Basin near Homestead, FL	307
Aries Canal at Cape Coral, FL	343	Everglades 4 in C-111 Basin near Homestead, FL	306
Arrangement of records	24	Everglades 5A in C-111 Basin near Homestead, FL	301
Artesian, definition of	31	Everglades 5B in C-111 Basin near Homestead, FL	302
Ash mass, definition of	31	Explanation of records	18
Bacteria, definition of	31	Fecal coliform bacteria, definition of	31
Barron River Canal near Everglades, FL	310	Fecal streptococcal bacteria, definition of	31
Bed load, definition of	32	Gage height, definition of	32
Bed load, discharge, definition of	32	Gaging station, definition of	32
Bed material, definition of	31	Gator Slough at SR 765 near Ft Myers, FL	365
Biochemical oxygen demand, definition of	31	Gator Slough at US 41 near Ft Myers, FL	363
Biomass, definition of	31	Ground-water levels, records of	28
Black Creek Canal at S-21, near Goulds, FL	283	Ground-water quality, records of	29
Bottom material, definition of	31	Hardness of water, definition of	33
C-1 Canal near Jupiter, FL	82	Hermosa Canal at Cape Coral, FL	361
C-7 Canal near Jupiter, FL	100	Hillsboro Canal at S-6 near Shawano, FL	125
C-18 Canal at G - 92 near Jupiter, FL	98	Hillsboro Canal at S-10-A near Deerfield Beach, FL	152
Caloosahatchee Canal at Moore Haven, FL	326	Hillsboro Canal at S-10-C near Deerfield Beach, FL	150
Caloosahatchee Canal at Ortona Lock near La Belle, FL	328	Hillsboro Canal at S-10-D near Deerfield Beach, FL	148
Caloosahatchee River at S-79, near Olga, FL	334	Hillsboro Canal below S-351 near South Bay, FL	122
Canal 1 at Indiantown Road and 133 Way near Jupiter, FL	80	Hillsboro Canal near Margate, FL	128
Canal 111 above S-18-C, near Florida City, FL	299	Horseshoe Canal at Cape Coral, FL	359
Cells/volume, definition of	31	Hydrologic Bench-Mark Network, explanation of	16
CFS-day, definition of	32	Hydrologic conditions, summary of	3
CFSM-day, definition of	32	Hydrologic unit, definition of	33
Chemical oxygen demand, definition of	32	Identifying estimated daily discharge	23
Chlorophyll, definition of	32	Imperial River near Bonita Springs, FL	313
Classification of records	24	Industrial Canal at Clewiston, FL	120
Color unit, definition of	32	Instantaneous discharge, definition of	32
Conservation Area No 1 below S-5 Complex, near Loxahatchee, FL	112	Introduction	1
Contents, definition of	32	Kitchings Creek near Hobe Sound, FL	73
Control, definition of	32	L-67 Extended Canal West near Florida City, FL	277
Control structure, definition of	32	L-67A at Conservation Area 3A near Coopertown, FL	176
Cooperation	32	L-67C at Conservation Area near Coopertown, FL	178
Courtney Canal at Cape Coral, FL	347	Laboratory measurements	25
Cubic foot per second, definition of	32	Lake Trafford near Immokalee, FL	312
Data collection and computation		Land-surface datum, definition of	33
Stage and water discharge	19	Latitude-longitude system	18
Ground-water levels	28	Levee 3 Canal below G-155 near Clewiston, FL	255
Ground-water quality	29	Levee 3 Canal near Clewiston, FL	217
Data presentation		Levee 4 Canal below G-88 near Clewiston, FL	257
Ground-water levels	28	Levee 8 Canal at West Palm Beach near Loxahatchee, FL	113
Ground-water quality	29	Levee 8 Canal near Canal Point, FL	104
Stage and water discharge	20	Levee 31 North Extension at 1 mile near West Miami, FL	289
Surface-water discharge	20	Levee 31 North Extension at 3 mile near West Miami, FL	291
Surface-water quality	26	Levee 31 North Extension at 4 mile near West Miami, FL	293
Definition of terms	31	Levee 31 North Extension at 5 mile near West Miami, FL	295
Discharge, definition of	31	Levee 31 North Extension at 7 mile near West Miami, FL	297
Dissolved, definition of	32	Levee 31W Canal above S-332 near Florida City, FL	286
Dissolved solids concentration, definition of	32	Loxahatchee River at Indiantown Road near Jupiter, FL	86
Diversions to Conservation Area No 1 at S-5A and S-5A-S near Loxahatchee, FL	109	Loxahatchee River near Jupiter, FL	84
Downstream order system	18	Mackinac Canal at Cape Coral, FL	339
Drainage area, definition of	32	Matlacha Pass at Parrots Perch near St James City, FL	349
Drainage basin, definition of	32	Matlacha Pass at Matlacha, FL	351
Drainage Canal below G-136 near Clewiston, FL	215	Meade Canal at Cape Coral, FL	337
Dry mass, definition of	31	Mean concentration sediment, definition of	34
E-3 Canal at NW 51st in Boca Raton, FL	147	Mean discharge, definition of	33
		Measuring point, definition of	33
		Miami Canal above S-354 and S-3 at Lake Harbor, FL	188
		Miami Canal at S-354 and S-3, at Lake Harbor, FL	189

Miami Canal at NW 36th St near Miami, FL	200	143	
Miami Canal at S-8 near Lake Harbor, FL	192	Site 8T in Conservation Area No. 1 near Boynton Beach, FL	142
Miami Canal East of Levee 30, near Miami, FL	194	Site 9 in Conservation Area No. 1 near Boynton Beach, FL	144
Micrograms per gram (ug/g), definition of	33	Site 15 near L-39 in Conservation Area No. 2A near Shawano, FL	145
Micrograms per liter (ug/L), definition of	33	Site 17 near L-38, Conservation Area 2A near Coral Springs, FL	162
Middle River Canal at S-36, near Ft Lauderdale, FL	130	Site 19 in Conservation Area 2A near Coral Springs, FL	159
Milligrams per liter (mg/L), definition of	33	Site 34 near L-30 in Conservation Area 3B near Miami, FL	183
National Geodetic Vertical Datum of 1929, definition of	33	Site 62 in Conservation Area 3A near Andytown, FL	168
National Stream Quality Accounting Network, explanation of	16	Site 63 in Conservation Area 3A near Andytown, FL	165
National Trends Network	16	Site 64 in Conservation Area 3A near Coopertown, FL	175
National Water-Quality Assessment (NAWQA) Data	367	Site 65 in Conservation Area 3A near Coopertown, FL	182
National Water-Quality Assessment Program	16	Site 69 in Conservation Area 3B near Coopertown, FL	180
Networks and programs, special	16	Site 71 in Conservation Area 3B near Coopertown, FL	184
Northeast Shark River Slough #1 near Coopertown, FL	275	Site 76 in Conservation Area 3B near Andytown, FL	174
Northeast Shark River Slough #2 near Coopertown, FL	274	Site 99 near L-35A in Conservation Area 2B near Sunrise, FL	169
Northeast Shark River Slough #4, north of Grossman, FL	279	Sixmile Cypress Creek North near Ft Myers, FL	322
Northeast Shark River Slough #5, south of Grossman, FL	282	Snake Creek Canal at NW 67th Ave near Hialeah, FL	185
Northeast Shark River Slough east of L-67 extension near Richmond Heights, FL	278	Snapper Creek Canal Extension at NW 74 St. near Hialeah, FL	187
North Branch Estero River at Estero, FL	318	Sodium-adsorption-ratio, definition of	34
North New River Canal at S-2 and S-351, near South Bay, FL	135	Solute, definition of	34
North New River Canal at S-7 at Terrytown, FL	156	South Branch Estero River at Estero, FL	320
North New River Canal at S-11-A near Andytown, FL	166	South New River Canal at S-13 near Davie, FL	170
North New River Canal at S-11-B near Andytown, FL	163	South New River Canal below S-13 near Davie, FL	172
North New River Canal at S-11-C near Andytown, FL	160	Special Networks and Programs	16
North New River Canal below S-2 and S-351, near South Bay, FL	138	Specific conductance, definition of	35
N.W. Wellfield Canal at Cons. Area No. 3 near Pennsuco, FL	270	Spring Creek Headwater near Bonita Springs, FL	316
N.W. Wellfield Canal near Dade Broward Levee near Pennsuco, FL	196	Stage and water discharge, records of	19
N.W. Wellfield Canal near Pennsuco, FL	198	Stage discharge relation, definition of	35
On-site measurement and sample collection	24	Station identification numbers	18
Organism, definition of	33	Streamflow, definition of	35
count/area, definition of	33	St Lucie Canal at Lake Okeechobee, FL	76
count/volume, definition of	33	St Lucie Canal at Lock near Stuart, FL	45
count/total, definition of	33	St Lucie Canal below S-308 at Port Mayaca, FL	79
Other records available	24	Summary of hydrologic conditions	3
Parameter code, definition of	33	Surface area, definition of	35
Partial-record station, definition of	33	Surface-water quality, records of	24
Particle size, definition of	33	Surficial bed material, definition of	35
Particle size classification, definition of	33	Suspended, definition of	35
Percent composition, definition of	34	recoverable, definition of	35
Pesticides, definition of	34	total, definition of	35
Picocurie, definition of	34	Suspended sediment, definition of	34
Plantation Road Canal at S-33, near Ft Lauderdale, FL	133	concentration, definition of	34
Preface	III	discharge, definition of	34
Publications on techniques of water-resources investigations	37	load definition of	34
Records, explanation of the	18	Tamiami Canal above S-12-A, near Miami, FL	209
stage and water discharge	19	Tamiami Canal below S-12-A, near Miami, FL	210
surface-water quality	24	Tamiami Canal above S-12-B, near Miami, FL	212
ground-water levels	28	Tamiami Canal below S-12-B, near Miami, FL	213
ground-water quality	29	Tamiami Canal below S-12-C, near Miami, FL	261
other available	24	Tamiami Canal above S-12-D, near Miami, FL	263
References, selected	41	Tamiami Canal below S-12-D, near Miami, FL	264
Recoverable from bottom material, definition of	34	Tamiami Canal above S-333, near Miami, FL	266
Remark codes	27	Tamiami Canal near Coral Gables, FL	272
Return period, definition of	34	Tamiami Canal Outlets, Levee 30 to Levee 67A, near Miami, FL	268
Runoff in inches, definition of	34	Tamiami Canal Outlets, Levee 67A to 40-Mile Bend near Miami, FL	259
S-150 at Terrytown, FL	154	Tamiami Canal Outlets, Monroe to Carnestown, FL	204
San Carlos Canal at Cape Coral, FL	345	Tamiami Canal Outlets, 40-Mile Bend to Monroe, FL	206
Sediment (surface-water quality)	25	Taxonomy, definition of	35
Sediment, definition of	34	Temperature, water	25
Shadroe Canal at Cape Coral, FL	357	Tenmile Canal at Control near Estero, FL	322
Shark River Slough #1 in Cons. 3B near Coopertown, FL	208	Terms, definition of	31
Site 7 in Conservation Area No. 1 near Shawano, FL	141	Thermograph, definition of	35
Site 8C near L-40 in Conservation Area No. 1 near Boynton Beach, FL		Time-weighted average, definition of	36
		Tons per acre-foot, definition of	36
		per day, definition of	36

Total, definition of	36
Coliform bacteria, definition of	31
Discharge, definition of	32
Organism count, definition of	33
Recoverable, definition of	34
Sediment discharge, definition of	34
Sediment load, definition of	34
Townsend Canal near Alva, FL	333
Turnpike Borrow Canal above S-46 near Jupiter, FL	92
Water-resources investigations, publications of techniques of	37
Water year, definition of	36
WATSTORE data, access to	29
Weighted average, definition of	36
West Palm Beach Canal above S-5A, near Loxahatchee, FL	106
West Palm Beach Canal at S-352, at Canal Point, FL	101
West Palm Beach Canal at West Palm Beach, FL	118
West Palm Beach Canal below S-352 at Canal Point, FL	103
West Palm Beach Canal Below S-5A-E near Loxahatchee, FL	116
Wet mass, definition of	36
WDR, definition of	36
Whiskey Creek at Whiskey Creek Club near Ft. Myers, FL	341
WSP, definition of	36

CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
<i>Length</i>		
inch (in.)	2.54×10^1	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^0	kilometer
<i>Area</i>		
acre	4.047×10^3	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi ²)	2.590×10^0	square kilometer
<i>Volume</i>		
gallon (gal)	3.785×10^0	liter
	3.785×10^0	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^3	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft ³)	2.832×10^1	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft ³ /s) d]	2.447×10^3	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^3	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
<i>Flow</i>		
cubic foot per second (ft ³ /s)	2.832×10^1	liter per second
	2.832×10^1	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^1	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
<i>Mass</i>		
ton (short)	9.072×10^{-1}	megagram or metric ton

Sea level: In this report “sea level” refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment for the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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