

02290765 LEVEE 31 NORTH EXTENSION AT 3 MILE NEAR WEST MIAMI, FL

LOCATION.--Lat 25°43'02", long 80°29'50", in SE 1/4 sec.35, T.54 S., R.38 E., Miami-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.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1992 to current year.

REVISED RECORDS.--WDR 97-2A, 1992-96.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Until April 13, 2004 when it was removed. Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter installed April 13, 2004. Datum of gage is 0.10 ft below National Geodetic Vertical Datum of 1929 (FCE bench mark).

REMARKS.--Records poor. Flow is the sum of regulation from upstream control structures S-334, S-335, and S-336, downstream from structures G-211 and S-338 and from levee seepage and rainfall. Positive flow is to the south and may reverse for short periods. Datum of gage is based upon an adjustment to the RM elevation. To convert stage values to NGVD, a +0.10 ft correction must be applied to all water years. Negative discharge is considered estimated due to insufficient measurements to verify negative portion of the rating.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 10 complete water years of discharge (1993-2001,2004).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.19 ft Oct. 15, 1999; minimum, 3.48 ft May 23, 2001.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 6.59 ft Sept. 29; minimum, 3.87 ft May 25. See REMARKS.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.51	---	5.89	6.00	6.10	6.09	5.70	5.70	4.35	4.34	5.55	5.90
2	6.45	---	5.93	5.99	6.07	6.08	5.66	5.67	4.28	4.49	5.94	5.80
3	6.40	---	5.93	5.98	6.06	6.06	5.62	5.71	4.21	4.54	6.03	5.80
4	6.42	---	5.90	5.98	6.07	6.05	5.59	5.94	4.19	4.70	6.03	5.83
5	6.43	6.14	5.87	6.05	6.05	6.03	5.56	5.83	4.33	4.82	5.98	5.97
6	6.41	6.13	5.90	6.13	6.04	6.05	5.48	5.82	4.37	4.81	6.09	6.10
7	6.38	6.09	5.91	6.14	6.04	6.06	5.48	5.80	4.38	4.77	6.08	6.13
8	6.35	6.08	5.91	6.14	6.02	6.05	---	5.80	4.38	4.83	6.10	5.94
9	6.32	6.09	5.92	6.13	5.99	6.02	5.40	5.82	4.37	4.79	6.11	5.88
10	6.29	6.08	5.96	6.13	5.98	6.01	5.33	5.91	4.42	4.75	6.11	5.84
11	6.28	6.06	5.96	6.11	5.96	5.83	5.34	5.68	4.59	4.74	6.08	5.92
12	6.25	6.02	5.95	6.08	5.94	5.80	5.39	5.54	4.60	4.78	6.01	6.13
13	6.23	5.99	5.94	6.06	5.91	5.82	---	5.48	4.61	4.85	5.99	6.09
14	6.16	6.00	5.96	6.07	5.91	5.81	---	5.42	4.52	4.82	6.08	6.06
15	6.11	5.97	6.01	6.08	5.96	5.93	---	5.38	---	4.83	6.05	6.06
16	6.11	5.98	6.01	6.07	5.96	6.02	5.71	5.37	4.45	4.95	6.05	6.04
17	6.08	5.95	6.02	6.05	5.94	5.88	5.77	5.28	4.40	5.00	6.05	6.01
18	6.09	5.93	6.00	6.07	5.93	5.77	5.74	5.20	4.34	5.01	6.04	5.99
19	6.12	5.92	6.02	6.07	5.87	5.81	5.70	5.12	4.34	5.01	5.96	5.98
20	6.09	5.92	6.00	6.08	5.91	5.85	---	5.05	4.37	5.05	5.93	6.02
21	6.07	5.93	5.99	6.07	5.98	5.83	5.63	5.00	4.51	4.81	5.88	6.10
22	6.06	5.91	6.00	6.09	6.00	5.77	5.58	5.04	4.77	4.79	5.92	6.19
23	6.03	5.90	6.02	6.07	6.01	5.76	5.55	5.02	4.70	4.73	6.01	6.18
24	6.02	5.90	5.92	6.06	6.00	5.84	---	4.59	4.61	4.69	---	---
25	6.04	5.90	5.78	6.07	5.95	5.83	5.46	4.00	---	4.73	---	6.06
26	6.03	5.89	5.78	6.06	6.07	5.87	5.41	4.56	4.44	4.84	---	6.05
27	6.00	5.75	5.71	6.05	6.11	5.86	5.45	4.35	4.36	4.92	---	6.06
28	5.98	5.83	5.66	6.06	6.09	5.83	5.71	4.44	4.29	5.38	---	6.21
29	6.03	5.91	5.66	6.03	6.09	5.80	5.83	4.52	4.32	5.41	---	6.39
30	6.05	5.87	5.66	6.03	---	5.77	---	4.42	4.31	5.44	---	6.05
31	---	---	5.82	6.12	---	5.73	---	4.44	---	5.46	5.96	---
TOTAL	---	---	182.99	188.12	174.01	182.91	---	161.90	---	151.08	---	---
MEAN	---	---	5.90	6.07	6.00	5.90	---	5.22	---	4.87	---	---
MAX	---	---	6.02	6.14	6.11	6.09	---	5.94	---	5.46	---	---
MIN	---	---	5.66	5.98	5.87	5.73	---	4.00	---	4.34	---	---

02290765 LEVEE 31 NORTH EXTENSION AT 3 MILE NEAR WEST MIAMI, FL-Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	379	e757	810	255	282	e287	189	395	393	462	e67	419
2	372	e743	808	273	345	331	210	345	398	475	167	463
3	337	e758	808	e278	e286	322	200	339	406	441	150	448
4	354	e689	829	e289	288	307	188	316	358	462	361	310
5	343	469	838	e261	264	364	209	222	343	454	355	372
6	366	338	e807	e210	332	462	213	199	331	460	363	412
7	408	349	e794	e167	347	441	219	204	366	458	398	433
8	357	355	e783	e200	308	431	e205	221	367	473	350	281
9	341	365	e785	e235	356	421	255	166	362	451	360	394
10	352	401	731	165	368	433	294	166	359	436	422	367
11	430	438	679	155	362	446	e240	268	336	439	524	405
12	437	556	677	187	344	441	e253	369	340	474	402	651
13	405	703	694	190	391	e452	e308	352	337	487	221	550
14	414	715	686	199	330	e532	e187	360	386	468	317	480
15	431	729	668	197	319	e373	e195	368	e356	454	366	501
16	403	758	673	197	329	184	196	361	364	454	444	530
17	419	830	628	201	329	282	246	375	337	429	425	523
18	431	922	e636	175	291	e326	224	356	309	396	459	539
19	423	906	e626	195	361	e201	214	384	331	397	443	513
20	416	869	e618	189	373	e160	e281	388	333	e186	462	469
21	441	853	e631	e174	357	149	314	419	298	e7.0	466	399
22	476	867	e594	e188	369	184	275	427	283	e-22	465	394
23	466	869	549	181	367	188	305	401	370	e14	427	405
24	472	866	e476	200	323	181	e271	334	418	e14	e392	e408
25	469	874	e356	210	380	190	297	380	e397	e-51	e417	391
26	478	798	e382	191	373	185	249	199	403	e33	e445	386
27	479	544	e414	202	e299	186	276	360	405	32	e518	403
28	471	680	e383	171	e279	193	294	334	377	68	e471	e257
29	488	788	e371	209	256	199	310	442	370	e23	e414	257
30	579	798	e363	223	---	213	e406	382	394	114	e505	482
31	e757	---	e276	205	---	210	---	366	---	e19	355	---
TOTAL	13,394	20,587	19,373	6,372	9,608	9,274	7,523	10,198	10,827	9,007.0	11,931	12,842
MEAN	432	686	625	206	331	299	251	329	361	291	385	428
MAX	757	922	838	289	391	532	406	442	418	487	524	651
MIN	337	338	276	155	256	149	187	166	283	-51	67	257
AC-FT	26,570	40,830	38,430	12,640	19,060	18,390	14,920	20,230	21,480	17,870	23,670	25,470

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	384	409	406	370	374	390	454	366	256	331	380	396
MAX	493	698	759	877	645	564	887	845	542	555	678	592
(WY)	(2003)	(2002)	(2002)	(2000)	(2000)	(1999)	(1998)	(1998)	(1998)	(2003)	(2002)	(2002)
MIN	262	244	233	206	240	219	206	77.5	-30.7	56.9	244	278
(WY)	(1998)	(1998)	(2001)	(2004)	(2002)	(2001)	(2001)	(2001)	(2001)	(2001)	(1992)	(1997)

SUMMARY STATISTICS

ANNUAL TOTAL
ANNUAL MEAN
HIGHEST ANNUAL MEAN
LOWEST ANNUAL MEAN
HIGHEST DAILY MEAN
LOWEST DAILY MEAN
ANNUAL SEVEN-DAY MINIMUM
ANNUAL RUNOFF (AC-FT)
10 PERCENT EXCEEDS
50 PERCENT EXCEEDS
90 PERCENT EXCEEDS

FOR 2004 WATER YEAR

WATER YEARS 1992 - 2004

140,936.0				
385				
			360	
			467	2000
			251	2001
922	Nov 18		1,210	Nov 1, 2001
-51	Jul 25		-218	Oct 4, 2000
3.9	Jul 21		-69	Jul 10, 2001
279,500			261,100	
674			554	
367			341	
189			190	

e Estimated

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.