Hydrologic Conditions in the Nassau River Basin, Northeastern Florida, 1982-89

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CONVERSION FACTORS, VERTICAL DATUM, AND ABBREVIATED WATER-QUALITY UNITS

Multiply	By	To obtain
inch (in.)	25.4	millimeter
inch (in.)	2.54	centimeter
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer
square mile (mi^2)	2.590	square kilometer
acre-foot (acre-ft)	1,233	cubic meter
acre-foot (acre-ft)	0.001233	cubic hectometer
cubic foot per second (ft^3/s)	0.02832	cubic meter per second
million gallons per day (Mgal/d)	0.04381	cubic meter per second

Sea level: In this report "sea level" refers to the National Geodetic Vertical datum of 1929--a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929.

Equations for temperature conversion between degrees Celsius (°C) and degrees Fahrenheit (°F):

$$°C = 5/9\ (°F - 32)$$

$$°F = (9/5\ °C) + 32$$

Specific conductance is given in microsiemens per centimeter at 25 degrees Celsius (µS/cm at 25 °C).

Concentrations of chemical constituents are given either in milligrams per liter (mg/L), micrograms per liter (µg/L), or parts per thousand (ppt).

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ABSTRACT

From October 1982 through September 1989, rainfall, stage, discharge, and water-quality data were collected at selected sites in the Nassau River basin in northeast Florida. The data-collection network consisted of 5 rainfall stations, 5 daily stage stations of which 4 were daily discharge stations, and 12 water-quality stations. Water-quality data collection included hourly recordings of specific conductance and water temperature at 2 of the 12 stations and periodic water-quality sampling at 11 of the 12 stations.

Rainfall was the main factor controlling freshwater runoff in the Nassau River basin. The average annual rainfall in the basin for the study period exceeded the 100-year average of 50.61 inches by slightly more than 2 inches.

Discharge data were collected at two stage-discharge stations and at three tidally affected stations within the Nassau River basin. In general, runoff was greater during the winter months and less during June and July, and was modified by seasonal changes in evapotranspiration, soil moisture, groundwater storage, and tides. Discharge in the lower part of the basin, where tidal influences predominate, was computed using a one-dimensional branch-network flow model.

In the lower parts of the Nassau River at the Hedges and Tisonia stations, tides are the dominant factor controlling discharge. Wide ranges of discharge, including flow reversals, occur at these stations daily. Values of specific conductance approximating values for both freshwater and seawater were also observed at both locations.

The quality of water in the Nassau River basin varies from relatively dilute freshwater in the upper reaches of the basin to seawater at the river mouth at the Atlantic Ocean. Analytical results from periodic water-quality samples indicate that, in general, the concentrations of nutrients decrease in the downstream direction from the headwaters to the river mouth.

INTRODUCTION

The Nassau River in northeastern Florida (fig. 1) contains one of the last relatively pristine estuarine systems on the east coast of the United States. During the next decade, the rate of population growth in the basin is expected to accelerate, resulting in a marked increase in development. Potential adverse effects of unrestricted development include increased surface runoff, alteration of natural salinity distribution, and increased loadings of nutrients and other chemical constituents. These changes could induce changes in natural biological systems and result in undesirable long-term effects on the ecological balance of the estuary.

Prior to 1982, little hydrologic or water-quality data were collected in the Nassau River basin. Information on freshwater inflows, salinity distributions, and most water-quality constituents was not sufficient to develop a basin management strategy or evaluate potential environmental effects of basin changes. Additional information will be required if a reasonable balance between resource use and environmental protection is to be realized. To provide this information, the U.S. Geological Survey (USGS), in cooperation with St. John's River Water Management District (SJRWMD), initiated a study of freshwater discharge and water quality in the Nassau River basin. The study was designed to provide information on existing hydrologic conditions in the basin to assist SJRWMD in the management of the basin.

Purpose and Scope

This report presents hydrologic data collected in a study of the Nassau River basin from October 1982 through September 1989. The study involved the design and implementation of a hydrologic data-collection network by the USGS and the collection and analysis of water-quality samples by the SJRWMD. Data acquired through these activities are used to describe and document hydrologic conditions in the Nassau River basin during the period of study. A one-dimensional flow model (BRANCH) is used to compute discharge of stream-gaging site affected by tides.

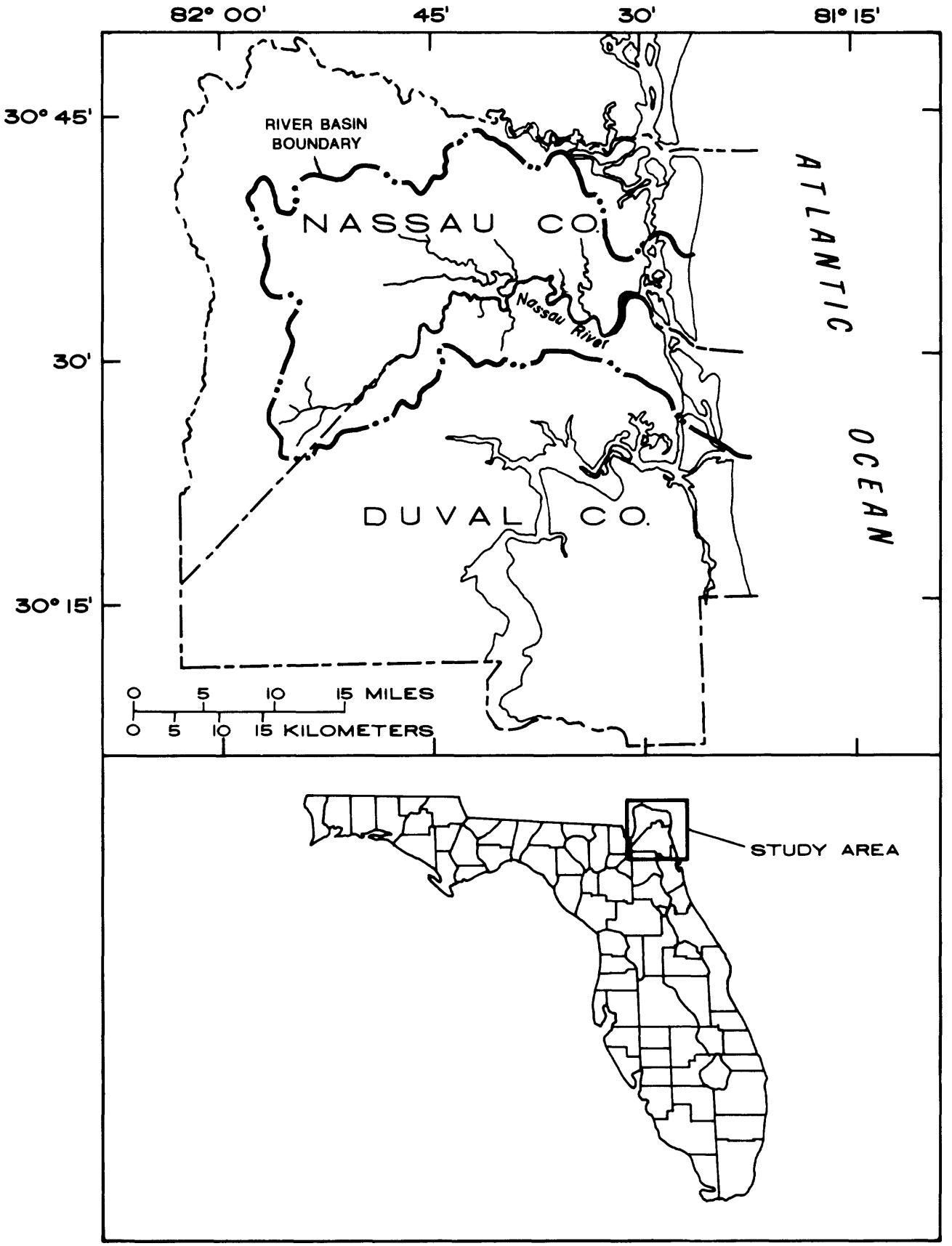

Figure 1. Location of study area.

Description of the Study Area

The Nassau River basin encompasses about 400 mi^2 of relatively flat and low-lying terrain. Land-surface elevations in 75 percent of the basin do not exceed 25 ft above sea level. Predominant land cover types are freshwater wetlands, saltmarshes, and pine and hardwood forests. Land uses include agriculture, forest, light residential, and urban development.

The basin-drainage pattern is dendritic and typical of a southeast coastal-plain river system. The river and tributary system can be roughly subdivided into three sections based on salinity characteristics: an upstream area that is predominantly freshwater, a middle transitional area that ranges from fresh to saline water, and a downstream area that is predominantly saline water.

The river channel consists of a series of relatively well-defined meanders and is bounded on both sides by thick stands of Spartina marsh. The river bottom consists predominantly of fine sand with accumulations of muck associated with the adjacent marshland and the mouths of tributaries. Cross sections of the river channel in the reach used to model discharges alternate between relatively wide sections 800 to 950 ft in width with average depths of 9 to 12 ft and narrower sections 350 to 600 ft in width with average depths of 18 to 23 ft. Maximum depths for cross sections in this reach range from 17 to 35 ft.

The major freshwater tributaries to the Nassau River are Alligator, Mills, and Thomas Creeks (fig. 2), which are located in the western, or upstream, part of the basin. Collectively, these tributaries drain about half of the total basin. The town of Callahan, the largest urbanized area in the basin, is located within the Alligator Creek watershed.

The transitional section of the river is located between the confluence of the Nassau River and Thomas Creek, just upstream from Interstate Highway 95, and a point approximately 2 mi downstream of U.S. Highway 17. The transition from predominantly fresh to predominantly saline water generally occurs within this reach of the river and is reflected in the composition of biological communities. Existing development along this section consists of low-density residential and commercial land use and is largely concentrated in the small communities of Yulee and Tisonia.

The lower, predominantly saline, part of the river contains extensive saltmarshes and is bordered with scattered pine forests at elevations higher than 20 ft above sea level and on the relatively high bluffs at Nassauville. Most of the higher elevations in this part of the river basin contain some low-density residential development.

DATA COLLECTION

To meet the objectives of the study, a hydrologic and water-quality data collection network was established to cover the major subbasins and main stem of the Nassau River. The data network consisted of rainfall, stage, discharge, and water-quality stations. Site locations are shown in figure 2 and listed in table 1 with identification information and data types. Rainfall and discharge stations were principally located in the freshwater and transitional parts of the basin to measure freshwater inflows.

Rainfall

Four rainfall stations were established in the Nassau River basin as a part of this study (fig. 2, sites 14 through 17). The stations consisted of tipping-bucket type rain gages that recorded cumulated rainfall at 1-hour intervals. In addition, data from a fifth station located at the Jacksonville International Airport (fig. 2, site 18), were obtained from the National Oceanic and Atmospheric Administration (NOAA) Weather Service Office. Rainfall data have been collected at Jacksonville since August 1866 and are the longest such record in Florida. The station was originally located in downtown Jacksonville, approximately 16 mi south of the study area, and operated from 1866 through 1930. In October 1930, the station was moved to Imeson Airport about 10 mi south of the study area and, in July 1967, the station was moved again to its present location at Jacksonville International Airport, about 2 mi south of the Nassau River basin.

Stage and Discharge

The surface-water monitoring network consisted of five sites at which stage was measured; at four of these sites discharge was computed (fig. 2). Prior to this study, the site at Thomas Creek near Crawford (site 3) was the only established site in the Nassau River basin with continuous daily discharge record. Four additional stream-gaging sites were established for this study--Alligator Creek at Callahan (site 2), Mills Creek near Italia (site 1), and the Nassau River site near Hedges (site 4) and near Tisonia (site 5). The method used to compute discharge at these sites is discussed below and was dependent on the tidal influences on stage and discharge at each site. The Thomas and Alligator Creek stations were located in the predominantly freshwater section of the basin, upstream of any tidal influence. The other three stations were located in lower-lying areas of the basin and were tidally affected.

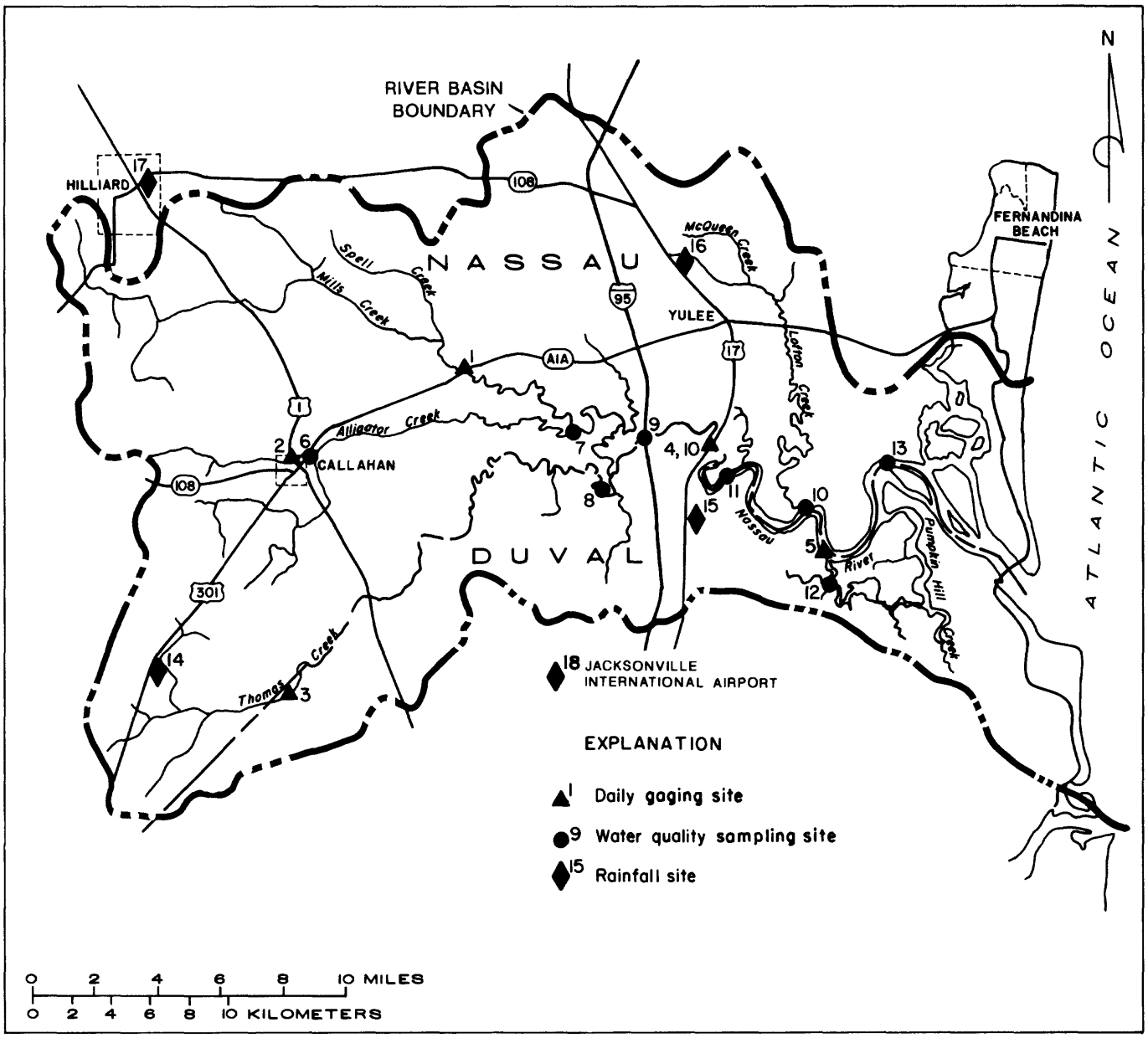

Figure 2. Location of data-collection sites in the Nassau River basin.

Sites at Thomas Creek near Crawford and Alligator Creek at Callahan were located upstream of tidal influences. The Thomas Creek station near Crawford (fig. 2, site 3) measures runoff from 29.9 mi^2 of the total 109 mi^2 in the Thomas Creek basin. The Alligator Creek station at Callahan (fig. 2, site 2) measures runoff from 14.0 mi^2 of the total 63.7 mi^2 in the Alligator Creek basin. The absence of tidal and variable backwater conditions at these stations allowed the development of a simple stage-discharge relation for discharge computation using methods described by Rantz and others (1982).

Tidal influences result in variable backwater conditions and flow reversals at stations located downstream from the Thomas and Alligator Creek sites, which preclude use of a simple stage-discharge relation. These sites include Mills Creek near Italia (fig. 2, site 1), which measures runoff from 56.6 mi^2 of the total 64.9 mi^2 in the Mills Creek basin; the Nassau River near Hedges (fig. 2, site 4), which measures runoff from 274 mi^2 of the Nassau River basin, and the Nassau River near Tisonia (fig. 2, site 5), which measures runoff from 285 mi^2.

Two different methods were used for discharge computation at the tidally affected sites. At the Mills Creek and Nassau River near Hedges sites, electromagnetic velocity meters were installed to record flow velocity and direction in addition to stage. Discharge measurements were made during different tidal cycles and at different stages to establish a stage-area relation and to relate velocity meter response to

Table 1. Data collection sites

[Site numbers refer to figure 2; USGS, U.S. Geological Survey; NOAA, National Oceanic and Atmospheric Administration; SJRWMD, St. Johns River Water Management District]

Site number	Station number	Site name	Data collection agency
		Daily stage and discharge gaging sites	
1	022312672	Mills Creek near Italia (discharge)	USGS
2	02231268	Alligator Creek at Callahan (discharge)	USGS
3	02231280	Thomas Creek near Crawford (discharge)	USGS
4	02231289	Nassau River near Hedges (discharge)	USGS
5	02231291	Nassau River near Tisonia (stage only)	USGS
		Rainfall sites	
14	302756081543500	Dahoma Tower near Dahoma	USGS
15	303209081371800	Tisonia Tower near Tisonia	USGS
16	304003081381800	Yulee Tower near Becker	USGS
17	304032081541300	Hilliard Tower near Hilliard	USGS
18	302000081390001	Jacksonville, NOAA station 4371	NOAA
		Water-quality sampling sites	
6	303429081491300	Alligator Creek at A-1-A South	SJRWMD
1	303629081443200	Mills Creek at A-1-A South	SJRWMD
7	303453081410900	Alligator and Mills Creeks, Police Club Road	SJRWMD
8	303331081394200	Thomas Creek upstream of Nassau River	SJRWMD
9	303347081300400	Nassau River at I-95	SJRWMD
4	303429081363200	Nassau River at U.S. Hwy. 17 (near Hedges) (same station as 02231289 above)	SJRWMD
10	303317081340400	Lofton Creek upstream of Nassau River	SJRWMD
11	303334081354700	Nassau River 1.75 mi east of U.S. Hwy. 17	SJRWMD
12	303045081324000	Edwards Creek upstream of Nassau River	SJRWMD
13	303432081384600	Nassau River near Nassauville	SJRWMD
5	02231291	Nassau River near Tisonia	USGS and SJRWMD

mean cross-sectional velocity. Measured velocities were subsequently used in conjunction with areas determined from the measured stage to compute total discharge. This method was used for the period October 1986 to September 1988 at Mills Creek near Italia and from April 1983 to May 1988 at the Nassau River near Hedges.

Difficulties were encountered in the operation of the electromagnetic velocity meter at the Nassau River near Hedges gaging site. Meter response was erratic. This was probably a result of rapidly changing salinities over each tidal cycle, and of rapid accumulations of algae and barnacles on the meter probe. In the highly productive estuarine environment, frequent cleaning and recalibration of the electromagnetic velocity meter were required. Because of these difficulties, it was decided to construct a one-dimensional flow model of the Nassau River to compute discharge and avoid the difficulties experienced with the electromagnetic velocity meter. Therefore, in December 1985, a stage recorder was installed on the Nassau River near Tisonia (fig. 2, site 5) to serve as an auxiliary gage for the Hedges site and allow development of a digital flow model for computation of discharge in the river reach between these sites.

Water Quality

Water-quality monitoring during the study period consisted of recording specific conductance and water temperature at 2 sites, and periodic collection of water-quality samples at 11 sites. Site locations are shown in figure 2 and are listed in table 1 with site identification numbers.

Continuous water-quality monitors were located at the Nassau River near Hedges (site 4) and at the Nassau River near Tisonia (site 5). These sites were located near the downstream end of the transitional section of the river to monitor conductance fluctuations during tidal cycles and under different freshwater inflow conditions. The Tisonia water-quality monitor contained one set of specific conductance and water temperature probes placed at about middepth. At the Hedges site, two sets of specific conductance and water temperature probes were installed at about 8.0 ft (lower) and 25.0 ft above the channel bottom. Future discussions will refer to the probes located 8.0 ft above the bottom as the lower probes and the probes located 25.0 ft above the bottom as the upper probes. The purpose of the two

sets of probes was to detect and quantify the degree of conductance stratification in the transitional area. Water-quality monitors were checked and recalibrated with known conductance standards at least once each month.

Periodic water-quality samples were collected at 11 sites by the SJRWMD from 1982 through 1988 (table 1 and fig. 2). Sites were located in the three major headwater streams (Mills, Alligator, and Thomas Creeks) as well as in the main stem of the Nassau River, and were sampled at quarterly- to-monthly frequencies. All samples were collected during periods of low to normal discharge.

Water-quality data collection included field measurements of physical characteristics and laboratory analyses of chemical constituents. Field measurements of water temperature, specific conductance, salinity, pH, and dissolved oxygen were made at various depths at each sampling site at the time of sample collection. In the laboratory, water samples were analyzed for turbidity, alkalinity, hardness, color, 5-day biochemical oxygen demand, dissolved solids, major cations and anions, iron, nitrogen species, phosphorus, and chlorophyll-a. All analyses were performed at SJRWMD laboratories using methods approved by the U.S. Environmental Protection Agency (USEPA).

BRANCH FLOW MODEL

A branch-network unsteady-flow model (BRANCH) (Schaffranek and others, 1981) was used to compute discharges in the Nassau River between the Hedges and Tisonia sites for the period December 1985 through September 1989. BRANCH utilizes an implicit, finite-difference formulation of the one-dimensional unsteady-flow equations. Model computations are based on the solution of the continuity and momentum equations, hydraulic characteristics, and time-dependent boundary-value data. The model can accommodate local inflow and diversion, account for water surface drag created by wind, and compensate for nonuniform velocity distribution in a cross section through the use of a momentum coefficient. Model implementation is supported by a data base system that provides computer analysis of cross-sectional geometry data and processes time-dependent boundary-value data.

Schematization

The schematization used for the Nassau River Branch model is shown in figure 3. The model includes the 7.5-mi reach of the main stem of the river between the Hedges and Tisonia sites as well as three tributary systems; Cuno, Gardner, and Inconstanation Creeks. The model schematization includes a total of 14 branches with 15 junctions and involves a total of 37 cross sections including the junctions.

Junctions delimit or connect individual branches and are internal or external depending upon function. The Nassau River model contains a total of eight external junctions which delimit the model boundaries and require input of either stage or discharge boundary-value data. Two external junctions using recorded stage data were used to drive the model: Nassau River near Hedges and Nassau River near Tisonia. The remaining six external junctions were defined as zero-discharge points and were used to delimit the tributaries.

The modeled tributaries range from feeder creeks to large saltmarsh areas. They contribute insignificant net discharge, but were included in the model to account for their considerable storage capacities. Four of the zero-discharge junctions in the model are representations of the actual ends of the feeder creeks. Two zero-discharge junctions in the Gardner-Cuno Creek system, however, are "internal" to the channel system and represent "tidal nodes." Zero or insignificant discharge at these points, due to their connections to two or more tidally affected outlets, allowed some simplification in schematization of the complex feeder creek system. Insignificant discharge at these points was field verified during cross- section measurements. These points were characterized by very shallow depths at high tide and probably become dry at very low tide.

The schematization of the main channel of the Nassau River between the two boundary sites included a total of 6 branches and 16 individual cross sections. This relatively large number of branches was required to account for tributary connections and channel variations. The channel alternates between relatively deep, narrow sections and relatively shallow, wide sections. It was necessary to realistically represent these conditions in the model schematization to reasonably account for channel storage characteristics.

Calibration and Verification

Calibration consists of the determination and refinement of the least- quantifiable model parameters such as the flow-resistance coefficient, the momentum coefficient, and the two finite difference weighting coefficients. Adjustment of these parameters is continued until model results are brought into reasonable agreement with measured conditions. For the Nassau River model, measured stages at the Hedges and Tisonia sites were used as input data, and model parameters were adjusted to reproduce measured discharges at both stations. The model results proved to be relatively insensitive to changes in either the momentum coefficient values, which ranged from 1.06 to 1.08, or the finite difference weighting factors, both of which were set to 0.70. The model results also were insensitive to winds of less than 25 mi/hour, and were not significantly affected by changes of 200 to 300 ft in the distances between cross sections. Cross sections generally were located 2,500 ft apart.

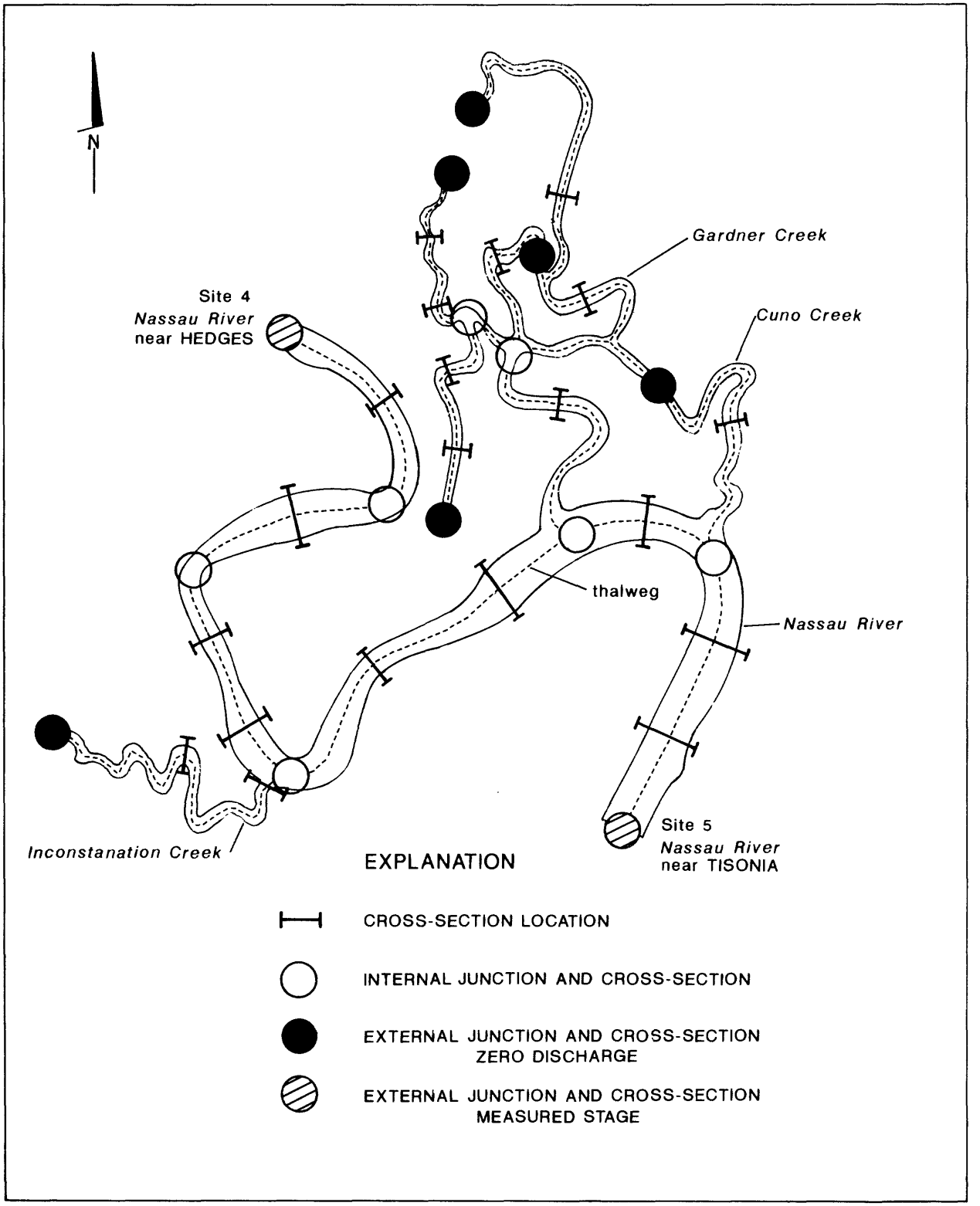

Figure 3. Schematization of Nassau River BRANCH Model.

Results from the model were very sensitive to changes in values of the flow resistance coefficient, so that adjustment of this parameter dominated the calibration process. Resistance coefficient values for segments representing the main stem of the Nassau River ranged from 0.0240 to 0.0305 and varied longitudinally and with stage. In general, resistance coefficients increased in the upstream direction from the Tisonia site to the Hedges site because the channel becomes more constricted and has smaller cross sectional areas. Resistance coefficients also increased with increasing stage to account for the effects of submerged saltmarsh vegetation and overbank storage. At stages less than 2.0 ft below sea level, a uniform value of 0.0240 was used as flow is confined to a defined, fairly uniform channel at these stages. At stages near sea level, coefficients varied from 0.0240 at the Tisonia site to 0.0260 at the upstream Hedges site. At stages greater than 2.0 feet above sea level, coefficients ranged from 0.0250 at Tisonia to 0.0305 at the Hedges site, reflecting the progressive submergence of marsh and increase in channel constriction. A uniform resistance coefficient of 0.0280 was used for segments representing tributaries.

Measured and model-simulated discharges used for calibration and verification purposes for the Nassau River sites at Hedges and Tisonia are given in tables 2 and 3 and shown in figures 4 and 5. Data collected in July 1986 and on March 14, 1989, were used for calibration purposes. Data collected on March 20, 1989, were used for verification of the calibrated model.

During the calibration, the model proved capable of simulating discharges relatively well with a maximum difference between measured and modeled discharges of only 2.8 percent of the maximum measured discharge at the Hedges site and 3.8 percent at Tisonia. The larger errors generally are associated with measurements performed during periods of rapidly changing discharge. Discharge measurements performed during such periods are subject to much greater error than measurements performed during relatively steady flow.

As expected, larger errors were associated with the verification measurements on March 20, 1989, but overall the model discharges were in good agreement with the measured values. Verification errors were as much as 7.7 percent at Hedges, and 13.1 percent at Tisonia (tables 2 and 3). The relation between modeled and measured discharge for both stations is shown in figure 6.

A significant proportion of the error associated with the verification measurements probably resulted from a timing error introduced after the March 14, 1989, measurements. Model simulations require that the stage data at the two stations be synchronous. It was discovered that the recorders were not synchronized after the servicing on March 14, 1989. This introduced an error of a few minutes that probably affected the model results for the verification period.

Table 2. Measured and modeled discharge at the Nassau River near Hedges

[ft^3/s, in cubic feet per second; --, indicate no measurement]

Date	Time (24 hour)	Measured discharge (ft^3/s)	Modeled discharge (ft^3/s)	Difference (ft^3/s)	Change in discharge during measurement (ft^3/s)	Nominal error[1] (percent)
			Data used for calibration			
07-01-86	0900	9,498	9,346	-152	+1,378	--
07-01-86	1645	-12,755	-12,843	-88	-1,004	--
07-15-86	0915	9,420	9,475	+55	-108	--
07-15-86	1400	-9,920	-9,660	+260	-1,349	--
03-14-89	0945	10,800	10,850	+50	-649	+0.5
03-14-89	1015	9,600	9,899	+299	-1,588	+2.8
03-14-89	1125	3,200	3,441	+241	-5,726	+2.2
03-14-89	1300	-7,600	-7,833	-233	-1,321	-2.2
03-14-89	1335	-9,213	-9,269	-56	-1,171	-0.5
03-14-89	1420	-10,200	-10,050	+150	-229	+1.4
03-14-89	1520	-9,445	-9,473	-28	+1,487	-0.3
			Data used for verification			
03-20-89	0900	-11,300	-12,037	-737	+732	-5.9
03-20-89	0945	-10,300	-10,240	+60	+2,133	+0.5
03-20-89	1115	2,700	3,662	+962	+6,264	+7.7
03-20-89	1200	9,400	10,348	+948	+1,771	+7.6
03-20-89	1310	12,500	13,008	+508	+125	+4.1
03-20-89	1340	12,300	13,009	+709	+99	+5.7
03-20-89	1425	12,500	13,065	+565	-43	+4.5
03-20-89	1510	11,900	12,287	+387	-869	+3.1
03-20-89	1615	9,700	9,706	+6	-2,600	+0.0

[1]For the purposes of this report, nominal error is defined as the difference between measured and modeled discharges expressed as a percentage of the absolute value of the highest measured discharge during the observed tidal cycle.

Table 3. Measured and modeled discharges at the Nassau River near Tisonia

[ft^3/s, in cubic feet per second]

Date	Time (24-hour)	Measured discharge (ft3/s)	Modeled discharge (ft^3/s)	Difference (ft^3/s)	Change in discharge during measurement (ft^3/s)	Nominal error[1] (percent)
			Data used for calibration			
3-14-89	1135	-6,300	-6,616	-316	-4,498	-2.1
3-14-89	1215	-10,800	-11,094	-294	-2,230	-2.0
3-14-89	1325	-14,500	-14,285	+215	-1,589	+1.4
3-14-89	1430	-15,000	-15,568	-568	+425	-3.8
3-14-89	1515	-12,500	-12,656	-156	+4,256	-1.0
			Data used for verification			
3-20-89	0845	-16,900	-14,571	+2,329	+1,615	+11.8
3-20-89	0925	-14,300	-11,724	+2,586	+3,287	+13.1
3-20-89	1145	13,900	14,954	+1,054	+2,948	+5.4
3-20-89	1250	18,800	18,359	-441	+635	-2.2
3-20-89	1350	19,700	18,546	-1,154	-308	-5.9
3-20-89	1450	16,900	17,105	+205	-1,006	+1.0
3-20-89	1545	12,200	12,443	+243	-3,946	+1.2
3-20-89	1700	4,880	4,738	-142	-9,184	-0.7

[1]For the purposes of this report, nominal error is defined as the difference between measured and modeled discharges expressed as a percentage of the absolute value of the highest measured discharge during the observed tidal cycle.

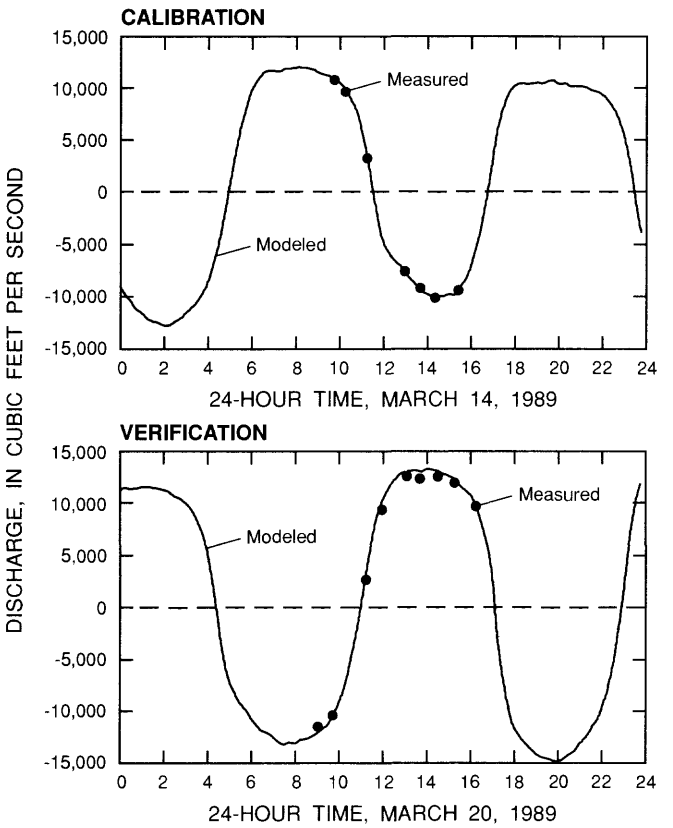

Figure 4. Modeled and measured discharge for the Nassau River near Hedges, March 14 and 20, 1989.

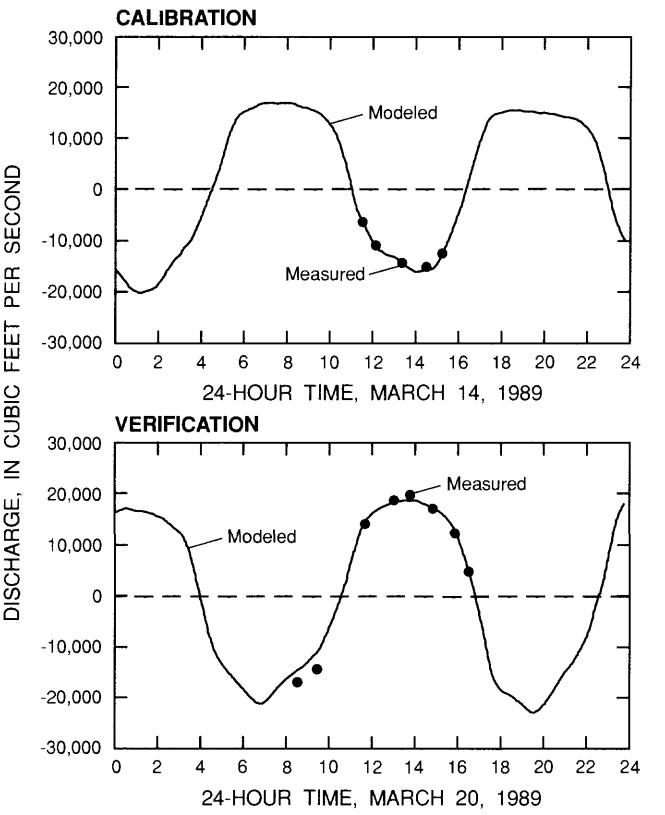

Figure 5. Modeled and measured discharge for the Nassau River near Tisonia, March 14 and 20, 1989.

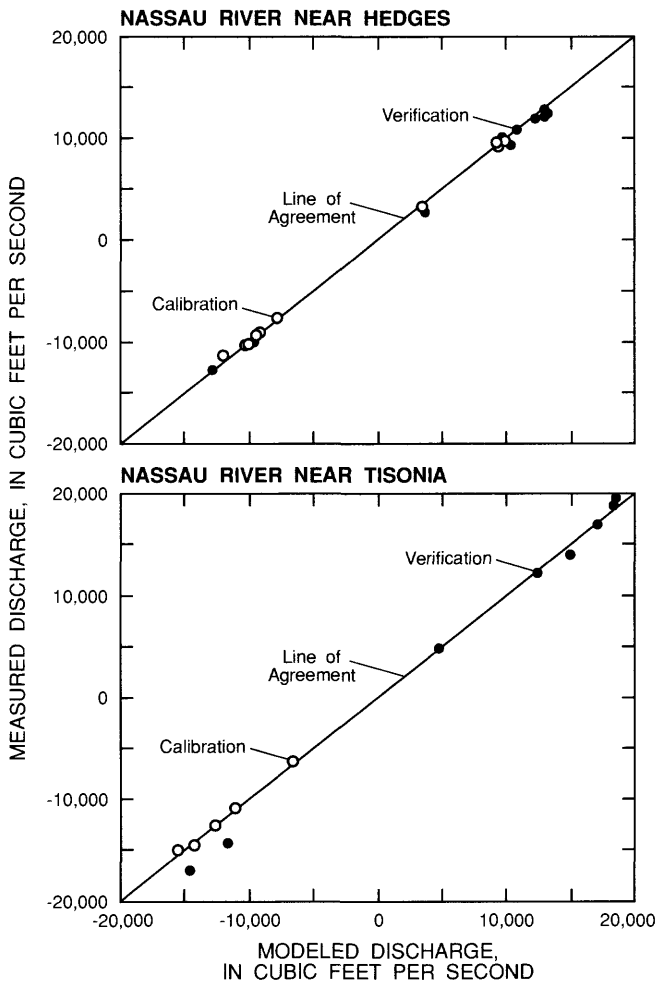

Figure 6. Relation of modeled and measured discharge at the Nassau River near Hedges and the Nassau River near Tisonia.

HYDROLOGIC CONDITIONS IN THE NASSAU RIVER BASIN

This section of the report discusses the hydrologic conditions that influence or control surface-water quantity or quality. In general, these are (1) the seasonal distribution and quantity of rainfall, (2) the seasonal distribution of freshwater discharge and the relation of discharge to rainfall and tides, and (3) concentrations of selected chemical constituents, and physical characteristics of surface water in the Nassau River basin.

Rainfall

Rainfall is the main factor affecting the amount of freshwater available in the Nassau River basin. Rainfall in the area is intermittent and widely variable with respect to areal distribution, duration, and magnitude. On the average, precipitation follows a seasonal cycle with relatively wet conditions prevailing from June through September and dry conditions from October through May. Rainfall totals for individual years and months, however, often differ considerably from the long-term averages.

The amount of water available for runoff is determined by the difference between rainfall and losses due to ground-water infiltration and evapotranspiration, which is defined as evaporation from water and soil surfaces and transpiration by plants. Most of the water entering the basin as rainfall is returned to the atmosphere by evapotranspiration. The average annual runoff in the Nassau River basin is estimated to be about 15 to 20 inches (Hughes, 1978), or 28 to 38 percent of the estimated average annual rainfall for the general area of about 52 inches (U.S. Department of Commerce, 1972).

Rainfall quantities were monitored at four sites within the Nassau River basin during the period December 1984 through September 1988. Daily rainfall totals for these four sites are listed in Appendix I. An additional site was maintained by the NOAA Weather Service Office at Jacksonville International Airport located south of the study area. Long-term records for this site were obtained from NOAA.

The seasonality and areal variability of mean monthly rainfall in the Nassau River basin are illustrated in the graph (fig. 7) of rainfall for the four rainfall sites and the NOAA site. In general, the seasonal cycles at all the sites were similar, with relatively wet conditions prevailing from June through September and dry conditions prevailing from October through May. Therefore, the long-term rainfall statistics at the NOAA site are probably representative of the long-term rainfall statistics in the Nassau River basin.

Annual rainfall totals and 3-year moving averages (based on calendar years) for the 100-year period 1889-1988, from the NOAA site are shown in figure 8. Comparison of the study period with previous years indicates that both dry and wet years (relative to the long-term mean annual rainfall) occurred during the study. Exceedance frequencies of annual rainfall totals for the 100-year period of record are shown in figure 9 along with the frequencies for years during the period of study. The amount of rainfall for the 3-year period 1985 through 1987 was exceeded by 64 percent of the 3-year periods in the long-term record. The average annual rainfall at Jacksonville of 52.75 inches during the study period exceeded the 100-year average of 50.61 inches by slightly more than 2 inches.

Departures from the 100-year average during the study ranged from 7.22 inches below average (1987) to 11.58 inches above average (1983). The cumulative departure of annual rainfall totals from the 100-year average (fig. 10) indicates that annual rainfall was below average in general for the 42 years from 1889 to 1931.

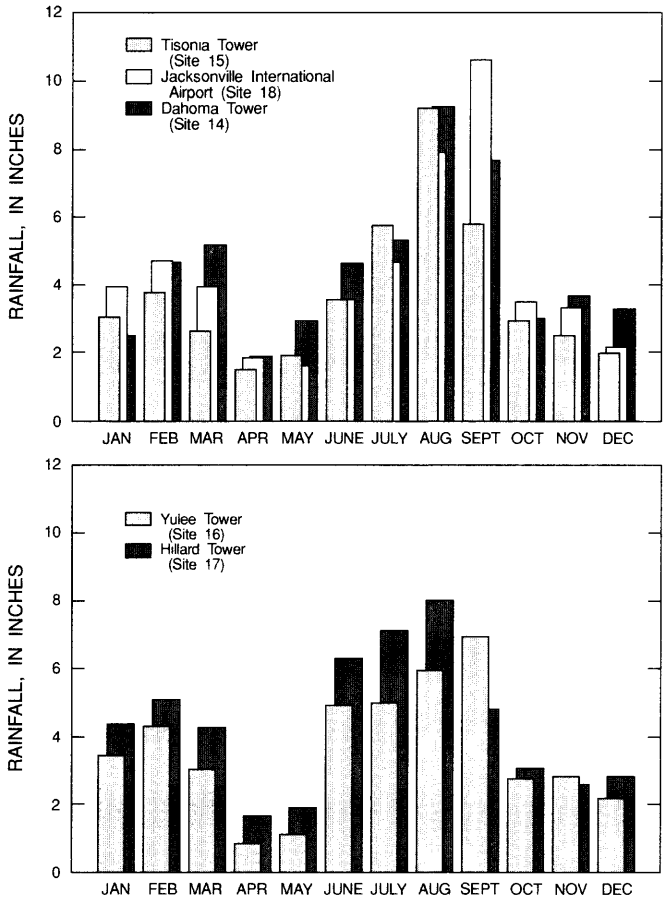

Figure 7. Mean monthly rainfall for study sites, December 1984 through September 1988.

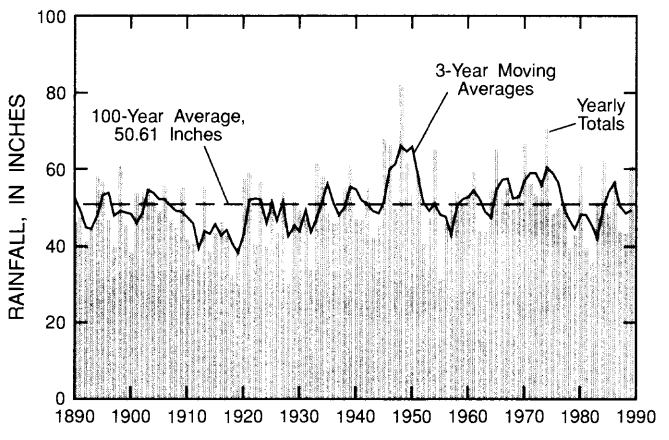

Figure 8. Yearly totals and 3-year moving averages of rainfall at Jacksonville, 1889-1988.

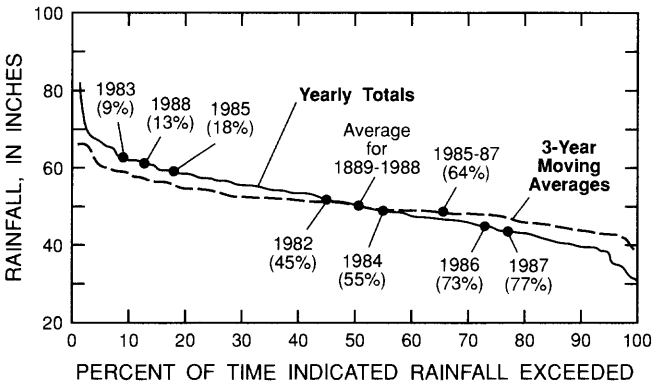

Figure 9. Exceedance frequencies for yearly total and 3-year moving average of rainfall at Jacksonville.

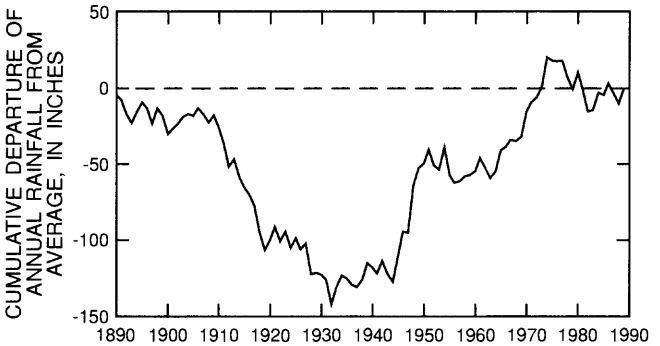

Figure 10. Cumulative departure from average rainfall at Jacksonville, 1889-1988.

From 1932 to 1973, however, the data indicate an increasing trend with the cumulative departure changing from 131 inches below to about 20 inches above a net cumulative departure of zero. Only 14 years of the 40-year period from 1932 through 1972 had annual rainfall totals less than the 100-year average. This period also includes the highest yearly rainfall, 82.27 inches in 1947. From 1972 to the present, no prominent increasing or decreasing trend is indicated.

Stage and Discharge

Mean monthly discharges for the period of record at Thomas Creek at Crawford, Alligator Creek near Callahan, and the Nassau River near Hedges (fig. 11) illustrate the seasonal cycle in net discharge from the Nassau River basin and show a similar pattern to that of the seasonal rainfall data (fig. 7). The runoff-to-rainfall ratio and the total runoff

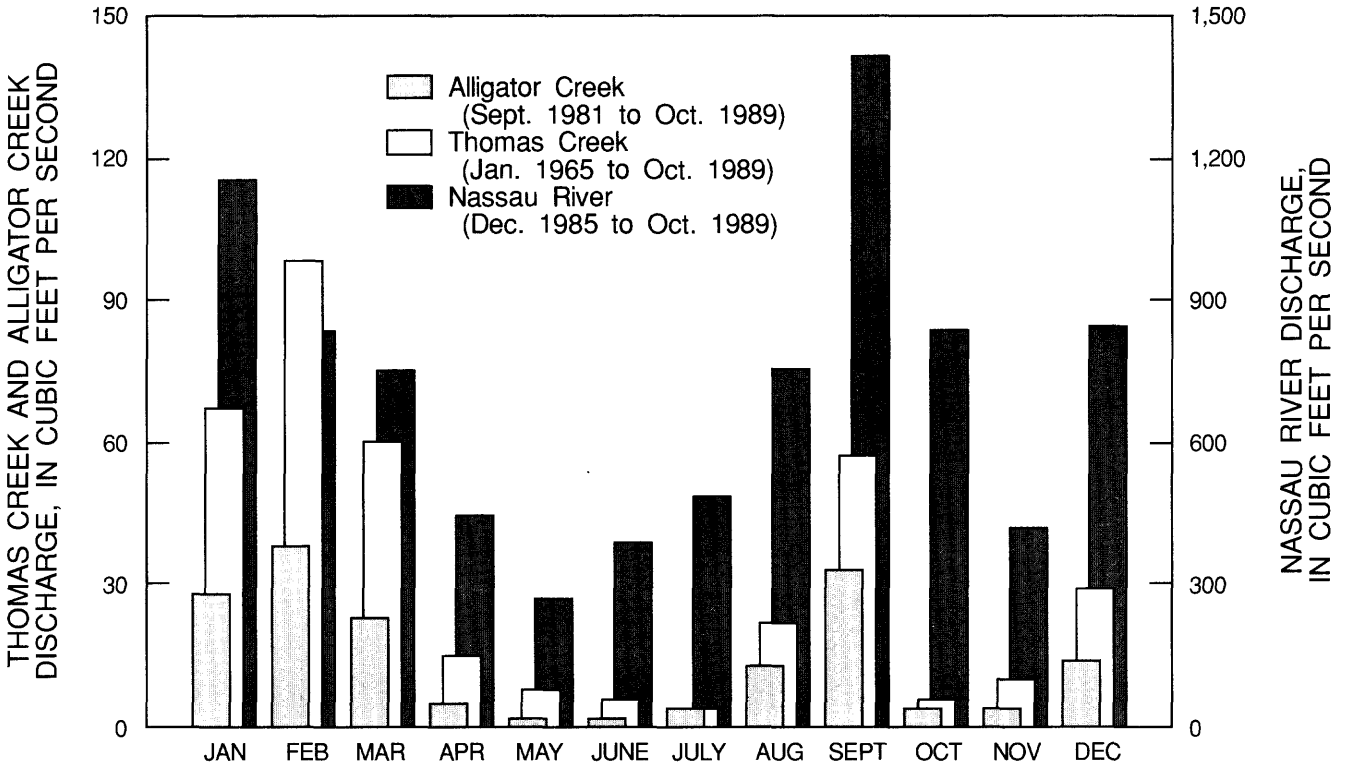

Figure 11. Mean monthly discharge for Alligator Creek at Callahan, Thomas Creek near Crawford, and Nassau River near Hedges.

generally are greater during the winter months than during summer months because evaporation is less and ground-water levels are higher in winter. These conditions tend to increase soil moisture in winter, and decrease in filtration. Consequently, a greater portion of rainfall in winter runs off. Discharge in June and July is relatively low, although rainfall amounts are relatively high, until soil moisture, storage, and evapotranspiration demands are met. Discharge at the tidally affected site at Nassau River near Hedges is, in addition, affected by seasonal changes in tide and estuary levels which change the volume of water stored in the estuary (Haight, 1938). Tables of daily mean discharge for all sites monitored during the study are given in Appendix II.

In the lower reaches of the Nassau River at the Hedges and Tisonia stations, tides are the dominant factor controlling discharge. At times, such as during hurricanes, the effect of strong winds can completely negate or accentuate the tidal influences. Tides are generally categorized as diurnal, semidiurnal, or mixed (Marmer, 1951). Along the east coast of Florida, including the Nassau River, tides are typically a mixed type and have two highs and two lows per day of noticibly different heights. Tidal stages within estuaries inland from the ocean are influenced by interacting meteorological, hydraulic, and hydrologic factors, including wind, bottom friction, inertia, and freshwater inflow. These factors can cause measured stages in estuarine reaches to differ considerably from predicted tides along the coastline. Tables of daily maximum, minimum, and mean gage height for stations monitored during the study are given in Appendix III.

Typical tidal stages and discharges for the Nassau River sites near Hedges and Tisonia are shown in figure 12. Stage at the Hedges sites typically lags stage at Tisonia, located about 7.5 miles nearer the mouth, by about 35 minutes. The resulting slope in water-surface elevation provides the potential for water movement. Discharge at the Hedges site, (fig. 12) lags discharge at Tisonia by a similar, but shorter time period of 25 to 30 minutes. Discharge hydrographs at both sites are roughly 90 degrees out of phase with the respective stage hydrographs and are more closely related to the water-elevation slope between the sites.

Tidal-discharge statistics for the Nassau River stations near Hedges and Tisonia are given in table 4. The wide range of discharge occurring daily at each site complicates the determination of net discharge. Exceedance frequencies for tidal discharges at the two sites (fig. 13) illustrate the relatively large difference in maximum and minimum tidal discharges between the two sites. This large difference reflects the storage capacity of the river channel and tributaries between the sites. Daily mean discharges for the two sites are nearly equal.

The net daily discharge is the algebraic sum of the instantaneous discharges. For the Nassau River as well as many other tidally affected systems, the net daily discharge is

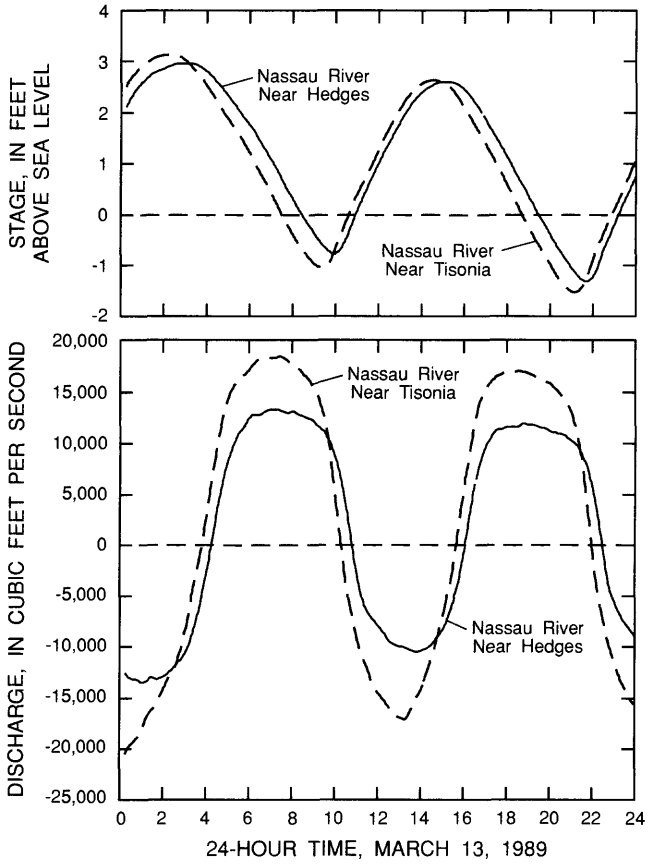

Figure 12. Stage and dischcarge for the Nassau River near Hedges and the Nassau River near Tisonia, March 13, 1989.

of the same order of magnitude as the error associated with measurements of the highest positive and negative discharges. The daily mean net discharge for the Nassau River near Hedges was 732 ft^3/s, slightly more than 5 percent of the average maximum tidal discharge of -13,900 ft^3/s (table 4). Net daily discharge at the Tisonia site represents an even smaller percentage of the maximum tidal discharge and is therefore considered slightly less accurate. Another complication in presenting discharge data for tidal reaches in daily format results from the phase difference between the 24-hour day and the roughly 25-hour tide cycle. This results in some days containing more of the negative discharge part of the tidal cycle and thus net discharges which are weighted negatively. Other days containing more of the positive cycle are similarly weighted positively.

Water Quality

The quality of water in the Nassau River basin varies from dilute freshwater in the upper reaches of the basin to seawater at the mouth of the river at the Atlantic Ocean. The chemical characteristics of water from the transition zone of the river (from the confluence of the Nassau River and Thomas Creek to roughly 2 mi downstream of U.S. Highway 17) vary daily and seasonally, depending on tidal and freshwater discharge.

Daily mean and mean monthly water temperatures for the upper probe at the Nassau River near Hedges are shown in figure 14. Water temperature did not show significant variation between sites or with depth. Temperature data reflect the dominant seasonal cycle and are typical of northeastern Florida. Daily mean temperature data for both the Hedges and Tisonia sites are given in Appendix IV.

Table 4. Tidal discharge statistics for the Nassau River

[ft^3/s, cubic feet per second]

Station name	Mean (ft^3/s)	Lowest discharge (ft^3/s)	Date	Highest discharge (ft^3/s)	Date
Nassau River near Hedges					
Daily maximum flood (upstream) discharge	-13,900	-295	01-13-88	-27,700	01-03-87
Daily maximum ebb (downstream) discharge	13,500	6,090	09-26-86	24,800	01-02-87
Nassau River near Tisonia					
Daily maximum flood (upstream) discharge	-21,000	-767	01-12-88	-37,000	01-03-87
Daily maximum ebb (downstream) discharge	18,700	7,800	01-04-87	30,100	01-04-88

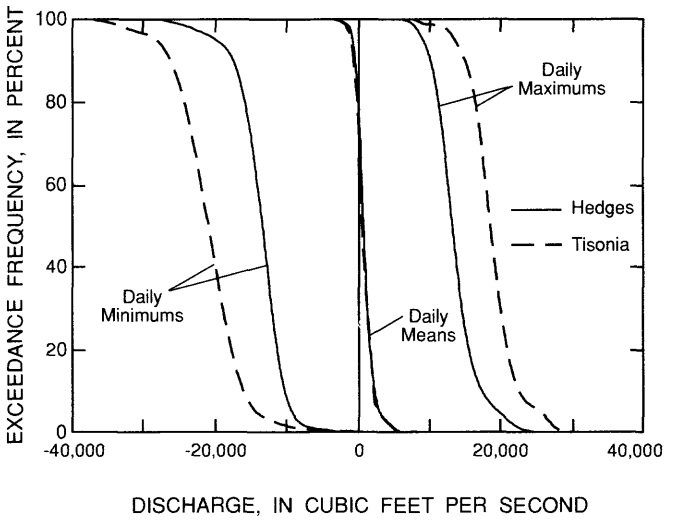

Figure 13. Exceedance frequencies of discharge for the Nassau River near Hedges and the Nassau River near Tisonia.

The relation between instantaneous discharge and specific conductance is illustrated in figure 15 using data from the upper probe at the Hedges site. As shown, conductance increases with the incoming tide (negative discharge), reaching a maximum shortly after the tide reverses (discharge becomes positive). Conductance subsequently decreases as water stored upstream during the negative discharge period moves downstream during the positive discharge phase of the tidal cycle. When the total volume of upstream flow during the flood (rising) period of the tidal cycle equals the volume of downstream flow with the ebb (falling) tide, the approximately sinusoidal variation in specific conductance is stationary and minimum, mean, and maximum specific conductances remain about the same for successive tidal cycles. When total ebb volumes exceed total flood volumes, seawater is flushed from the estuary and specific conductance tends to decrease. When flood volumes exceed ebb volumes, seawater moves into the estuary and specific conductance tends to increase. Daily maximum, minimum, and mean specific conductance values for the Hedges and Tisonia sites are given in Appendix V.

Seasonality and vertical stratification of specific conductance are indicated by the plot of mean monthly specific conductance for the Tisonia site and both probes at the Hedges site (fig. 16). The specific conductance data generally relate inversely to mean monthly discharges (fig. 11). Specific conductance increases during the relatively dry months from March to June, peaks in July, and decreases with increasing flow during the relatively wet months. The effect of increasing freshwater discharge on vertical stratification in the estuary is indicated by the difference between specific conductance from the upper and lower probes at the Hedges site. During most of the year, the Nassau River is well mixed vertically with little or no difference in specific conductance

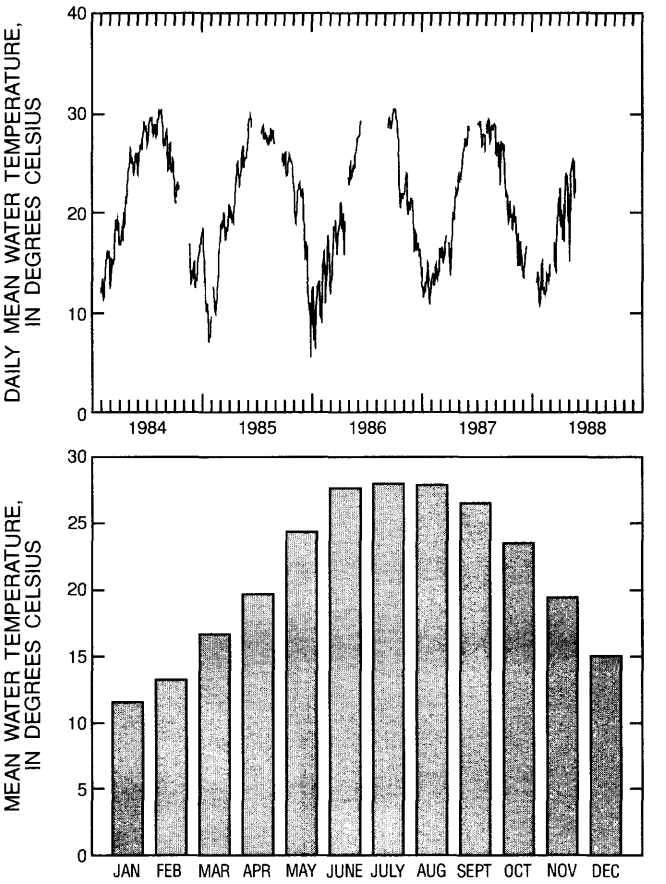

Figure 14. Daily mean and mean monthly water temperatures at Nassau River near Hedges, February 1984 through May 1988.

with depth. As discharge increases in July, freshwater begins to flush the saltwater which moved to the estuary during the dry season. During this period, the freshwater tends to flow on top of the denser saltwater and results in a significant vertical specific-conductance gradient.

Specific conductance values for the Nassau River Estuary can be converted to salinity using the following equation:

$$S = 0.0007(C)$$

where

S is the salinity, in parts per thousand (ppt) of dissolved solids in chloride equivalents, and

C is the specific conductance, in microsiemens per centimeter (µS/cm) at 25 degrees Celsius.

Seawater in the Atlantic Ocean near the mouth of the Nassau River generally has a specific conductance of about 58,000 µS/cm which corresponds to a salinity of 40.6 ppt.

Specific-conductance exceedance frequencies are shown in figure 17 for the Tisonia site and the upper probe at

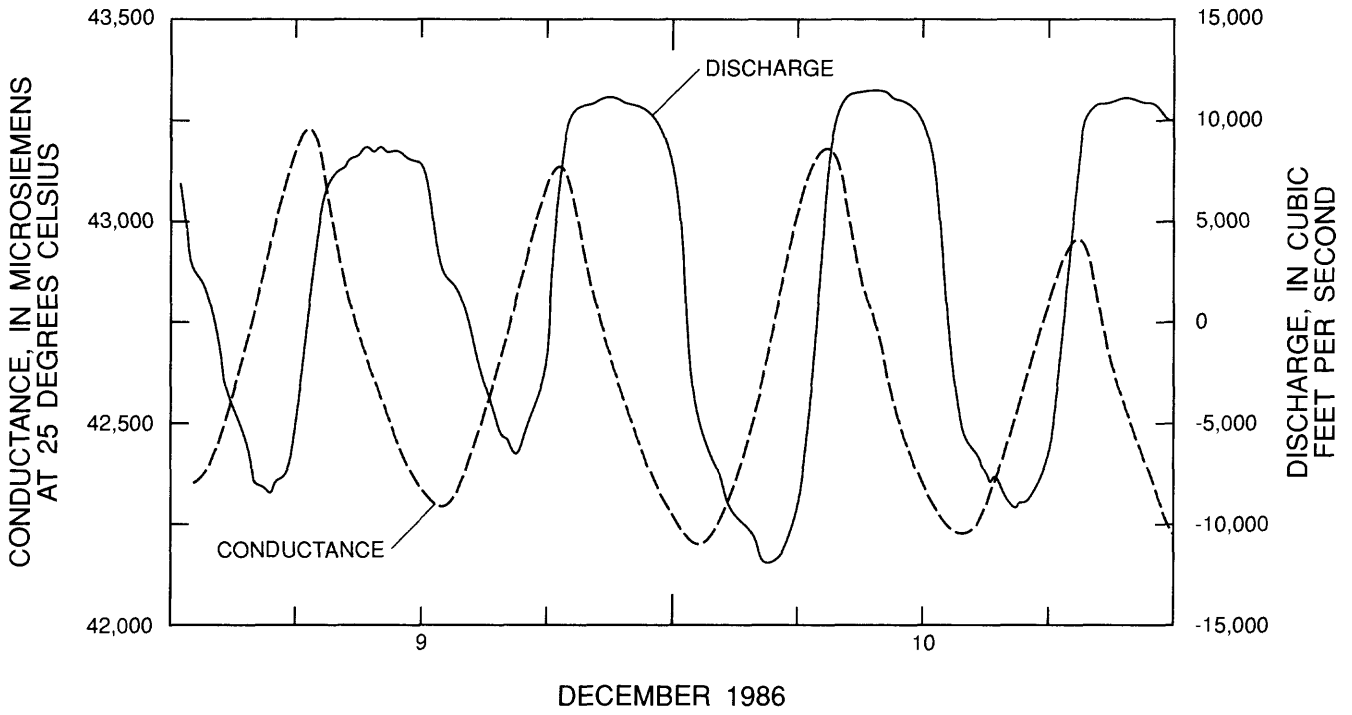

Figure 15. Specific conductance to discharge at the Nassau River near Hedges, December 9-10, 1986.

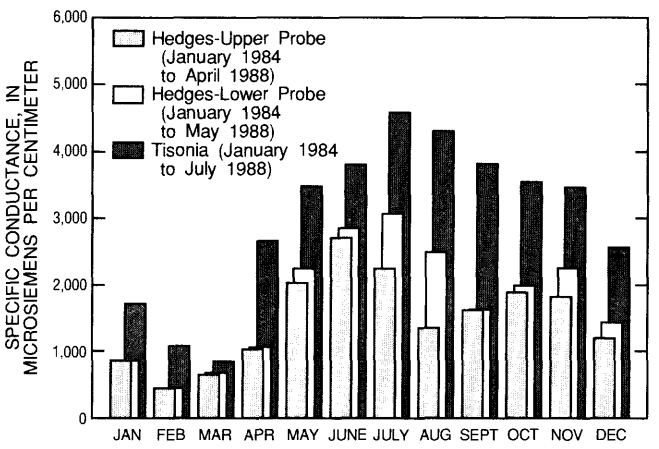

Figure 16. Mean monthly specific conductance in the Nassau River.

the Hedges site. Specific-conductance statistics are given in table 5. The data show wide variations in specific conductance at both stations resulting from tidal influences and freshwater discharge. During the study period, specific conductance values typical of both freshwater and seawater were observed at both sites. On average, however, conductances ranged daily from about 10,000 to 22,000 µS/cm (17-38 percent seawater) at the Hedges site and from about 22,000 to 37,000 µS/cm (representing 38-64 percent seawater) at the Tisonia site.

Periodic water-quality samples were collected from selected sites in the Nassau River basin (fig. 2) by the SJRWMD from 1982 through 1988. Sites in the three major headwater creeks (Mills, Alligator, and Thomas Creeks) and the Nassau River Estuary were sampled every 1-to-3 months. Flow at the time of sampling generally was low to moderate; no high-flow samples were collected. The analytical results from these samples were compiled and stored by the SJRWMD and are given in Appendix VI through Appendix VIII.

Specific conductance of the periodic samples collected in the Nassau River basin ranged from 48 µS/cm in Mills Creek to 51,700 µS/cm near the mouth of the Nassau River Estuary, representing a salinity range of less than 0.1 ppt to greater than 36 ppt. Analysis of the data indicates that the freshwater-saltwater interface is a broad mixing or transition zone rather than a well-defined salinity wedge. This transition zone is generally located in the geographic center of the drainage basin between the area located immediately west of Interstate 95 and a point about 2 mi downstream from U.S. Highway 17 (fig. 2). Salinities of samples collected in this zone ranged from less than 0.1 ppt to 25 ppt. Analysis of data from the samples indicates that during much of the year both the mixing zone and the estuary are vertically well-mixed and are homogeneous with respect to depth in terms of specific conductance, salinity, temperature, and dissolved oxygen.

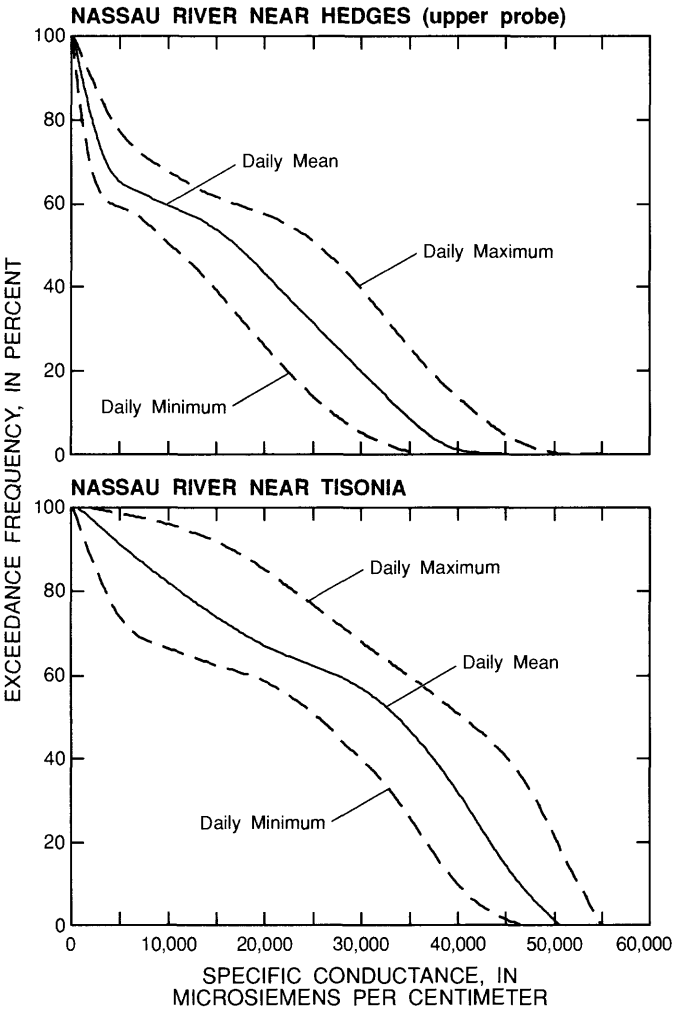

Figure 17. Exceedance frequencies of specific conductance for the Nassau River near Hedges and Tisonia.

Mean values for selected water-quality constituents and properties determined for periodic samples are given in table 6. The sites on the Nassau River and its tributaries are listed in downstream order from left to right in the table to indicate a few general trends of increasing salinity. With the exception of total phosphorus and ammonia nitrogen, the results are similar to a recent study of the Charlotte Harbor estuarine system in southwest Florida (McPherson and Miller, 1990). Nutrient concentrations generally decreased with increasing salinity, probably as a result of simple dilution with seawater, except for ammonia nitrogen and total phosphorus which were variable and at times greater at the downstream sites. Color values decreased in the downstream direction probably reflecting the lower solubility of dissolved organic matter in water of greater ionic strength, as well as dilution with seawater of lesser dissolved organic content. With the exception of Alligator Creek, pH values increased with increasing salinity, reflecting the transition from the dilute, relatively acidic headwaters to seawater of a greater buffering capacity.

The greatest nutrient concentrations and values for color and biochemical oxygen demand were measured at Alligator Creek (table 6), which receives wastewater from the town of Callahan. The greatest concentrations of Kjeldahl nitrogen, 8.24 mg/L, ammonia nitrogen, 5.85 mg/L, and total phosphorus, 5.09 mg/L, were in samples from Alligator Creek.

SUMMARY

From October 1982 through September 1989, rainfall, stage, discharge, and water-quality data were collected at selected sites in the Nassau River basin. The data-collection network consisted of 5 rainfall sites, 5 daily stage sites of which 4 are daily discharge sites, and 12 water- quality sites. Water-quality data collected included hourly recordings of specific conductance and water temperature at 2 of the 12 sites and periodic water-quality sampling at 11 of the 12 sites. The purpose of the data-collection program was to provide background information on the surface-water resources of the basin prior to development.

Rainfall and evaporation are the main factors determining freshwater discharge from the Nassau River basin. Rainfall in the basin follows a seasonal pattern of relatively wet conditions from June to September and relatively dry conditions from October through May. The rainfall for the study period, when compared to more than 100 years of rainfall record for the NOAA site at Jacksonville, seems to be representative of long-term rainfall conditions of the Nassau River basin. The average annual rainfall in the basin for the study period exceeded the 100-year average of 50.61 inches by little more than 2 inches.

Discharge data were collected at two stage-discharge sites and at three tidally affected sites within the Nassau River basin. Stage-discharge relations were developed for Alligator and Thomas Creeks in the upper part of the basin. Discharge for Mills Creek near Italia was determined using an electromagnetic velocity probe in conjunction with stage and area measurements. Discharge for the Nassau River near Hedges and the Nassau River near Tisonia, where tidal influences predominate, were computed with BRANCH, a one-dimensional stream-flow model.

Discharge at all of the sites followed seasonal cycles similar to that of rainfall but modified by seasonal changes in evapotranspiration, soil moisture, ground-water storage, and tides. In general, the proportion of runoff to rainfall was greater during the winter months than during the summer months, probably because of differences in evaporation.

In the lower parts of the Nassau River at the Hedges and Tisonia sites, tides are the dominant factor controlling discharge. Wide ranges of discharge, including flow reversals, occur at these sites daily, complicating the

Table 5. Specific conductance statistics for the Nassau River

[All values are in microsiemens per centimeter at 25 °C]

Site and parameter	Mean	Lowest conductance	Date	Highest conductance	Date
Nassau River near Hedges					
Upper probe, 25.0 feet from bottom					
Daily maximum	20,460	200	03-30-84	44,200	06-04-85
Daily mean	14,709	100	03-30-84	42,000	10-17-87
Daily minimum	10,312	100	03-30-84	40,400	10-17-84
Lower probe, 8.0 feet from bottom					
Daily maximum	22,051	200	03-03-84	54,900	07-20-86
Daily mean	16,379	160	03-30-84	44,600	10-17-87
Daily minimum	12,011	100	03-30-84	41,900	10-14-87
Nassau River near Tisonia					
Mid-depth probe					
Daily maximum	37,100	2,000	03-09-87	55,000	07-12-86
Daily mean	28,900	800	03-09-87	50,700	11-03-87
Daily minimum	21,800	200	02-16-86	47,000	11-15-87

determination of net discharge. For example, the daily maximum upstream discharge at the Hedges site averaged 13,900 ft^3/s during the study period and daily maximum downstream discharge averaged 13,500 ft^3/s. The mean daily net discharge for the Nassau River near Hedges during the study period was 732 ft^3/s, which represents a little more than 5 percent of the tidal extremes.

The quality of water in the Nassau River basin varies from relatively dilute freshwater in the upper reaches of the basin to seawater at the river mouth at the Atlantic Ocean. The transition from fresh to saline water occurs in the central part of the basin located roughly between the confluence of the Nassau River and Thomas Creek, west from Interstate 95, and a point about 2 mi downstream from U.S. Highway 17. Specific conductance values in this reach vary greatly depending on runoff and tidal discharge conditions.

During the study period, values of specific conductance approximating values for both freshwater and seawater were observed at sites on the Nassau River near Hedges and near Tisonia. In general, specific conductance values relate inversely to discharge on both a mean daily and mean monthly basis. Analysis of the data indicate that during most of the year, the Nassau River is well- mixed vertically with a broad mixing zone. However, during periods of relatively high freshwater discharge, the freshwater tends to move on top of the denser saltwater, resulting in significant stratification.

Analytical results from periodic water-quality samples indicate that, in general, the concentrations of nutrients decrease in downstream direction from the headwaters to the mouth of the river. Highest nutrient concentrations were detected in samples from Alligator Creek, which receives wastewater effluent from the city of Callahan. In the estuarine transition zone, nitrogen and phosphorus concentrations were relatively constant.

Table 6. Mean values of water quality constituents and properties for sites on the Nassau River and its tributaries during the study period

[All values are totals, in milligrams per liter, unless otherwise noted. µS/cm, microsiemens per centimeter; Pt-Co units, Platinum-Cobalt units; mg/L, micrograms per liter]

Constituent	Nassau River at I-95 (Site 9)	Nassau River at U.S. 17 (Site 4)	Nassau River 1.75 miles below U.S. 17 (Site 11)	Nassau River at Nassauville (Site 13)
Specific conductance (µS/cm at 25 °C)	9,958	14,193	23,180	39,279
pH, in units	6.6	6.6	6.7	7.6
Dissolved oxygen	6.1	6.2	6.6	6.8
Color (Pt-Co units)	226	207	183	63
Orthophosphate, as P	.13	.12	.15	.06
Total phosphorus, as P	.19	.18	.22	.21
Kjeldahl nitrogen, as N	1.06	1.02	.80	.59
Ammonia, as N	.04	.05	.05	.06
Nitrate plus nitrite, as N	.05	.05	.03	.03
Biochemical oxygen demand	2.1	1.6	2.0	2.1
Chlorophyll-a (mg/L)	6.6	5.8	5.5	8.4

Constituent or property	Alligator Creek (Site 1)	Mills Creek (Site 6)	Alligator and Mills Creeks (Site 7)	Thomas Creek (Site 8)	Lofton Creek (Site 10)	Edwards Creek (Site 12)
Specific Conductance, (µS/cm at 25 °C)	290	295	2,379	7,028	25,082	33,314
pH, in units	6.8	5.9	6.3	6.5	7.0	7.2
Dissolved oxygen	4.8	3.0	4.5	6.1	5.8	6.0
Color (Pt-Co units)	315	292	252	243	137	94
Orthophosphate, as P	2.15	.05	.16	.13	.08	.08
Total phosphorus, as P	2.21	.09	.21	.19	.17	.28
Kjeldahl nitrogen, as N	2.66	.97	1.14	1.15	.89	.74
Ammonia, as N	.78	.02	.04	.04	.05	.06
Nitrate plus nitrite, as N	1.50	.02	.06	.04	.03	.02
Biochemical oxygen demand	3.6	1.5	1.8	2.0	2.0	2.0
Chlorophyll-a (mg/L)	7.2	1.6	4.5	7.1	6.7	6.7

SELECTED REFERENCES

Anderson, Warren, 1972, Surface water in Duval and Nassau Counties, Florida: U.S. Geological Survey Open-File Report FL-72007, 65 p.

Anderson, Warren, and Goolsby, D.A., 1973, Flow and chemical characteristics of the St. Johns River at Jacksonville, Florida: Florida Bureau of Geology Information Circular no. 82, 57 p.

Brown, D.P., 1984, Impact of development on availability and quality of ground water in eastern Nassau County, Florida, and southeastern Camden County, Georgia: U.S. Geological Survey Water-Resources Investigations Report 83-4190, 113 p.

Franklin, M.A., 1982, Methodology for stormwater runoff investigation, urban Leon County, Florida: U.S. Geological Survey Open-File Report 82-355, 15 p.

Giovannelli, R.F., 1981, Relation between freshwater flow and salinity distributions in the Alafia River, Bullfrog Creek, and Hillsborough Bay, Florida: U.S. Geological Survey Water-Resources Investigations Report 80-102, 62 p.

Haight, F.J., 1938, Currents in the St. Johns River, Savannah River and intervening waterways: U.S. Department of Commerce, Coast and Geodetic Survey Special Publication no. 211.

Hammett, K.M., 1992, Physical processes, salinity characteristics, and potential salinity changes due to freshwater withdrawals in the tidal Myakka River, Florida: U.S. Geological Survey Water-Resources Investigations Report 90-4054, 20 p.

Hughes, G.H., 1978, Runoff from hydrologic units in Florida: Florida Bureau of Geology Map Series 81.

Marmer, H.A., 1951, Tidal datum plane: U.S. Department of Commerce, Coast and Geodetic Survey Special Publication no. 135, 142 p.

McPherson, B.F., and Miller, R.L., 1990, Nutrient distribution and variability in the Charlotte Harbor estuarine system Florida, Water Resources Bulletin, v. 26, no. 1, p. 67-80.

Miller, R.L., Bradford, W.L., and Peters, N.F., 1988, Specific conductance: theoretical considerations and application to analytical quality control: U.S. Geological Survey Water-Supply Paper 2311, 16 p.

Poole, Brian, 1984, Shellfish growing and reappraisal for Nassau County, Florida: Florida Department of Natural Resources, 8 p.

Rantz, S.E, and others, 1982, Measurement and computation of streamflow: Volume 1. Measurement of stage and discharge: U.S. Geological Survey Water-Supply Paper 2175, 284 p.

Russell, G.M., and McPherson, B.F., 1984, Freshwater runoff and salinity distribution in the Loxahatchee River Estuary, southeastern Florida, 1980-82: U.S. Geological Survey Water-Resources Investigations Report 83-4244, 36 p.

Schaffranek, R.W., Baltzer, R.A., and Goldberg, D.E., 1981, A model for simulation of flow in singular and interconnected channels: U.S. Geological Survey Techniques of Water-Resources Investigations, book 7, ch. C3, 100 p.

Snell, L.J., and Anderson, Warren, 1970, Water resources of northeast Florida: Florida Bureau of Geology Report of Investigations no. 54, 77 p.

U.S. Department of Agriculture, 1976, Environmental assessment report for Mills Creek watershed, Nassau County, Florida: U.S. Soil Conservation Service and U.S. Forest Service, 53 p.

U.S. Department of Commerce, 1972, Climate of the States, Florida: Climatography of the United States No. 60-8: National Oceanic and Atmospheric Administration Environmental Data Service, 31 p.

APPENDIXES 1 – 8

Appendix I.--Daily total rainfall at sites in the Nassau River basin, Florida
Station number 302756081543500, Dahoma Tower near Dahoma, Florida

[Rainfall in inches, water year October 1984 through September 1985. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.02	2.52
2	---	---	.00	.00	.35	.01	.00	.00	.00	.00	.68	.42
3	---	---	.00	.23	.01	.00	.00	.66	.00	.01	.10	.00
4	---	---	.00	.08	.63	.00	.00	.17	.00	.00	.02	.32
5	---	---	.08	.00	.02	.00	.00	.00	.00	.51	.06	.00
6	---	---	.03	.00	.15	.00	.50	.00	.13	1.04	.17	.00
7	---	---	.00	.00	.00	.00	.00	.00	.08	.26	.95	.00
8	---	---	.00	.00	.00	.00	.00	1.07	.00	.00	.25	.00
9	---	---	.00	.00	.00	.00	.00	.00	.02	.00	.20	.00
10	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	---	---	.00	.00	.18	.00	.00	.00	.00	.06	.00	.00
12	---	---	.00	.00	.00	.00	.00	.00	1.66	.16	.05	1.33
13	---	---	.00	.00	.00	.00	1.54	.00	.01	.03	.22	.04
14	---	---	.00	.00	.00	.00	.00	.00	.11	.00	.17	.00
15	---	---	.00	.00	.02	.00	.00	.00	.15	.00	.00	1.3
16	---	---	.00	.00	.00	.04	.21	.00	1.52	.00	.18	1.00
17	---	---	.00	.05	.00	.66	.00	.00	.00	4.12	.00	1.77
18	---	---	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01
19	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04
20	---	---	.00	.05	.00	.00	.00	.94	.00	.00	.00	.01
21	---	---	.00	.00	.00	.05	.00	.00	.00	.00	.00	.10
22	---	---	.00	.00	.00	.00	.00	.00	.19	.00	.00	.00
23	---	---	.00	.00	.00	.00	.00	1.32	.00	.00	.00	.00
24	---	---	.00	.06	.00	.00	.00	.00	.00	.45	.22	.00
25	---	---	.00	.01	.00	.00	.00	.00	.07	.00	.44	.00
26	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	---	---	.00	.00	.00	.00	.00	.00	.15	.05	.12	.00
28	---	---	.00	.02	.00	.00	.00	.00	.20	1.18	.18	.00
29	---	.00	.00	.00	---	.00	.00	.00	.22	.07	.04	.04
30	---	.00	.00	.72	---	.00	.00	.00	.84	.06	.61	2.44
31	---	---	.00	.02	---	.00	---	.00	---	.50	1.78	---
Total	---	---	0.11	1.24	1.36	1.07	2.25	4.16	5.35	8.51	6.46	11.34

[Rainfall in inches, water year October 1985 through September 1986]

1	.06	.56	.01	.26	.00	.23	.00	.00	.03	.00	.00	.02
2	.00	.00	.05	.00	.00	.00	.00	.00	.68	.32	.17	.01
3	.00	.32	.00	.00	.00	.00	.00	.00	.01	.05	.00	.02
4	.04	.00	.00	1.36	.00	1.44	.00	.00	.24	.00	.10	.53
5	.00	.00	.00	.08	2.41	.00	.00	.00	.00	.27	.04	.30
6	.00	.00	.00	.00	.45	.00	.00	.00	.00	.00	.00	.07
7	.00	.00	.00	.44	.00	.00	.00	2.77	.00	.00	.13	.01
8	.04	.00	.00	.00	1.80	.00	.00	.01	.00	.00	.00	.00
9	.24	.52	.00	.24	.30	.00	.00	.00	.05	.00	3.29	.33
10	.21	.01	.00	2.03	.10	.02	.00	.00	.09	.03	.01	.23
11	.21	.00	.00	.13	.43	.00	.00	.00	.00	.14	.00	.01
12	.01	.00	.00	.00	.00	.00	.34	.00	.30	1.13	.19	.01
13	.02	.00	3.42	.00	.00	1.00	.00	.43	1.08	.00	.47	.00
14	.00	.00	.00	.00	.00	.55	.00	.00	.10	.00	.52	.02
15	.00	.00	.00	.00	.05	1.01	.00	.01	.00	.06	.64	.00
16	.00	.00	.00	.00	.00	.03	.00	.00	.00	.28	.01	.00
17	.07	.00	.00	.00	.00	.00	.00	.00	1.69	.03	.15	.03
18	.14	.00	.00	.07	.09	.00	.00	.00	1.24	.00	.81	.78
19	.19	.29	.00	.13	.00	.00	.00	1.12	.01	.00	1.61	.00
20	.00	.36	.00	.00	.00	.43	.00	.00	1.20	.00	1.77	.00
21	.49	.09	.00	.00	.00	.00	.73	.00	.01	.00	.45	.00
22	.00	.03	.00	.00	.00	.00	.00	.00	.08	.00	.00	.00
23	.00	.00	.00	.00	.05	.00	.00	.00	.00	.01	.01	.00
24	.24	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.01	.00	.01	.00	.00	.00	.00	.00	.00	.10	.00	.02
26	.78	.00	.00	.22	.00	.00	.00	.00	.00	.01	.00	.00
27	.44	.00	.00	.00	.08	.00	.00	.00	.00	.02	.17	.00
28	1.47	.00	.00	.00	.07	.00	.00	.00	.00	.00	.64	.00
29	.40	.00	.02	.00	---	.00	.00	.00	.00	.00	.88	.00
30	.33	1.29	.00	.00	---	.00	.00	.02	.00	.00	1.27	.00
31	.05	---	.33	.00	---	.00	---	.07	---	.00	.01	---
Total	5.44	3.47	3.85	4.96	5.83	4.71	1.07	4.43	6.81	2.45	13.34	2.39

Calendar year 1985 - Total 54.50
Water year 1986 - Total 58.75

Appendix I.--Daily total rainfall at sites in the Nassau River basin, Florida--Continued
Station number 302756081543500, Dahoma Tower near Dahoma, Florida

[Rainfall in inches, water year October 1986 through September 1987. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	0.00	0.00	0.00	1.21	0.00	1.60	0.00	0.00	0.00	0.00	0.02	0.97
2	.00	.00	.23	.00	.43	.00	.00	.00	.00	.35	.44	.03
3	.00	.00	.01	.00	.00	.00	.13	.00	.00	.01	.00	2.72
4	.00	.00	.00	.50	.00	.00	.00	.00	.20	.62	.00	.07
5	.00	.00	.00	.22	1.73	.00	.00	.00	.01	.01	.01	.01
6	.00	.00	.00	.00	.48	.00	.00	.00	.00	.01	.00	.45
7	.09	.00	.00	.00	.86	1.64	.00	.19	.00	.00	.00	.00
8	.07	.00	.00	.00	.01	.00	.00	.01	.00	.00	.00	.00
9	.52	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00	.00
10	.38	.00	1.42	.49	.00	.00	.00	.00	.00	1.43	.42	.00
11	.01	.00	.65	.00	.00	.00	.00	.06	.00	.00	.31	2.33
12	.00	.00	.66	.00	.00	.07	.00	.35	.22	.00	1.29	1.00
13	.13	.01	.00	.00	.00	.00	.00	.00	.81	.00	2.53	.16
14	.61	.00	.00	.00	.00	.00	.13	.75	.53	.22	1.93	.00
15	.01	.00	.03	.13	.00	.00	.08	.00	.01	.17	.00	.00
16	.00	.00	.08	.31	.76	.00	.00	.00	.00	.00	.81	.00
17	.00	.16	.00	.15	.00	.00	.00	.00	.34	.00	.00	.00
18	.00	.54	.00	.01	.00	.42	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.22	.00	.01	.00	.00	.00	.17	.00	.00
20	.00	.47	.00	.00	.05	.00	.00	.00	.00	1.08	.00	.00
21	.00	.00	.00	.55	1.26	.00	.00	.00	.06	.01	.00	.00
22	.00	.00	.00	1.05	1.29	.00	.00	.00	.67	.00	.00	.00
23	.00	.00	1.11	.00	.00	.00	.00	.25	.09	.00	.00	.00
24	.00	.00	.03	.00	.05	.00	.00	.00	.08	.00	.00	.00
25	.03	.00	.00	.51	.00	.17	.00	.00	.57	.00	.00	.00
26	.01	.00	.00	.00	.00	1.99	.00	.00	.01	.07	.00	.00
27	.01	.00	.00	.00	.00	.58	.00	.00	.00	.00	.00	.00
28	.00	.17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.66	.60	.00	.00	---	.17	.00	.00	.00	.97	.00	.00
30	.01	1.00	.00	.00	---	1.36	.00	.00	.01	.18	.16	.44
31	.00	---	1.53	.00	---	.01	---	.00	---	.88	.08	---
Total	2.54	2.95	5.75	5.35	6.92	8.12	0.34	1.61	3.61	6.18	8.00	8.18

Calendar year 1986 - Total 57.23
Water year 1987 - Total 59.55

[Rainfall in inches, water year October 1987 through September 1988]

1	.00	.00	.00	.00	.00	.00	.00	.73	.00	1.00	1.76	.38
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.64
3	.00	.37	.00	.17	.00	.03	.00	.00	.00	.00	.00	.00
4	.00	1.74	.00	.05	.00	1.23	.01	.00	.36	.00	.00	.55
5	.00	.01	.00	.00	.48	.34	.00	.00	.01	.00	.05	1.91
6	.00	.00	.00	.00	.20	.07	.06	.00	.04	.11	.13	1.46
7	1.03	.00	.00	1.89	.00	.00	.00	.00	.30	.01	.18	.18
8	.00	.00	.00	.03	.06	.00	.00	.00	.40	.00	.06	1.96
9	.00	.27	.00	.45	.00	.46	.00	.00	.00	.00	.00	.41
10	.00	.00	.06	.00	.00	.11	.00	.00	.60	.15	.68	.07
11	.00	.00	.00	.00	.00	.00	.17	.25	.32	1.38	.01	.00
12	.00	.00	.00	.00	.00	.00	.29	.00	.00	.01	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.06	.00
14	.00	.00	.00	.00	.00	.00	.00	.05	.00	.09	1.44	.00
15	.00	.00	.12	.00	.48	.00	.00	.02	.00	.00	.31	.68
16	.00	.09	.00	.00	.00	.00	.00	.00	.00	.09	.00	.00
17	.00	1.64	.00	.17	.00	.00	.00	.00	.00	.00	.03	.00
18	.00	.00	.00	.00	.25	.35	.00	.00	.00	.00	.00	.07
19	.00	.33	.00	.00	1.91	.00	.30	.00	.00	.00	.17	.00
20	.00	.00	.00	1.64	2.99	.01	.00	.00	.02	.00	.01	.06
21	.00	.00	.00	1.08	.11	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.01	.00	.00	.00	.00	.00	.00	.60	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.50	.95	.00
24	.00	.00	.00	.13	.00	.00	.00	.00	.00	.05	.17	.00
25	.00	.00	.00	1.45	.00	.40	.01	.14	.00	.00	.42	.00
26	.02	.02	.00	.00	.00	.13	1.07	.36	.00	.00	.02	.00
27	.00	.00	.00	.00	.00	.01	.00	.00	.54	.00	.36	.00
28	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.30	.00
29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17
30	.00	.00	.00	.00	---	.00	1.90	.00	.00	.00	1.91	.05
31	.00	---	.00	.00	---	.00	---	.00	---	.05	.01	---
Total	1.05	4.47	0.20	7.06	6.48	3.14	3.81	1.55	2.59	4.05	9.03	8.59

Calendar year 1987 - Total 54.03
Water year 1988 - Total 52.02

Appendix I.--Daily total rainfall at sites in the Nassau River basin, Florida--Continued
Station number 303209081371800, Tisonia Tower near Tisonia, Florida

[Rainfall in inches, water year October 1984 through September 1985. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	0.00	0.00	0.00	0.28	0.02	0.00	0.00	0.02	0.00	4.56
2	---	---	.00	.00	.14	.00	.00	.00	.00	.00	.80	.00
3	---	---	.00	.04	.00	.00	.00	1.18	.00	.00	.03	.00
4	---	---	.00	.01	.52	.00	.00	.00	.00	.00	.07	.00
5	---	---	.06	.00	.01	.00	.07	.00	.00	.47	.00	.00
6	---	---	.01	.00	.25	.00	.61	.00	.00	.73	.02	.00
7	---	---	.00	.00	.00	.00	.00	.00	.00	.35	.80	.00
8	---	---	.00	.00	.00	.00	.00	.17	.40	.00	.57	.00
9	---	---	.00	.00	.00	.00	.00	.00	.01	.00	.35	.00
10	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00
11	---	---	.00	.00	.22	.00	.00	.00	.01	.16	.00	.00
12	---	---	.00	.00	.00	.00	.00	.00	.64	.01	.00	.02
13	---	---	.00	.00	.00	.00	.40	.00	.01	1.67	.38	.06
14	---	---	.00	.00	.00	.00	.00	.00	.71	.00	.14	.00
15	---	---	.00	.00	.00	.00	.00	.00	.13	.72	.00	2.01
16	---	---	.00	.00	.00	.12	.32	.00	1.81	.00	.00	1.52
17	---	---	.00	.09	.00	.38	.01	.00	.00	.00	.00	.91
18	---	---	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
19	---	---	.00	.00	.00	.00	.00	.00	.00	.07	.00	.29
20	---	---	.00	.05	.00	.00	.00	1.38	.00	.00	.17	.01
21	---	---	.00	.00	.00	.04	.00	.00	.00	.00	.00	.05
22	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.24	.00
23	---	---	.00	.00	.00	.00	.00	.28	.00	.00	.00	.00
24	---	---	.00	.03	.00	.00	.00	.00	.00	.20	.00	.00
25	---	---	.00	.01	.00	.00	.00	.00	.00	.01	.08	.00
26	---	---	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00
27	---	---	.00	.00	.00	.00	.00	.00	.04	.00	.63	.00
28	---	.12	.00	.01	.00	.00	.02	.00	.47	.18	.24	.00
29	---	.00	.00	.00	---	.00	.71	.00	.07	.35	.02	.45
30	---	.00	.00	.40	---	.00	.00	.00	.14	.00	.12	1.32
31	---	---	.00	.00	---	.00	---	.00	---	.79	3.70	---
Total	---	---	0.07	0.64	1.14	0.82	2.16	3.01	4.44	5.85	8.38	11.20

[Rainfall in inches, water year October 1985 through September 1986]

1	.01	.28	.21	.13	.00	.27	.00	.00	.00	.10	.00	.00
2	.02	.00	.01	.00	.00	.00	.00	.00	.47	.01	2.74	.00
3	.00	.20	.00	.00	.00	.00	.00	.00	.00	.16	.00	.01
4	.29	.00	.00	1.00	.00	1.26	.00	.00	.04	.00	1.77	.00
5	.01	.00	.18	.04	1.69	.00	.00	.00	.03	.28	.18	.38
6	.00	.00	.01	.00	.27	.00	.00	.00	.00	.00	.23	.13
7	.00	.00	.00	.36	.00	.00	.00	.04	.81	.00	.00	.00
8	.25	.00	.00	.00	1.31	.00	.00	.00	.00	.00	.00	.00
9	.80	.50	.00	.12	.24	.00	.00	.03	.00	.00	.00	.01
10	.76	.00	.00	1.57	.28	.00	.00	.04	.01	.00	.00	.17
11	.13	.00	.00	.05	.70	.00	.00	.00	.00	.00	.00	.01
12	.00	.00	.00	.00	.00	.00	.12	.00	.80	.00	.02	.00
13	.00	.00	2.99	.00	.00	1.69	.01	.00	.69	.00	.24	.37
14	.00	.00	.02	.00	.01	.43	.00	.00	.01	.00	.30	.03
15	.00	.00	.00	.00	.06	.84	.00	.00	.01	.00	.08	.00
16	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01	.00
17	.00	.00	.00	.00	.00	.00	.02	.00	.16	.19	.00	.02
18	.20	.00	.00	.03	.07	.00	.00	.00	.02	.00	.00	.36
19	.09	.07	.00	.12	.00	.00	.00	1.54	.00	.00	1.68	.00
20	.00	.07	.00	.00	.00	.37	.00	.00	.04	.00	.22	.00
21	.00	.13	.00	.00	.00	.05	.56	.00	.00	.00	.03	.00
22	.00	.02	.00	.00	.00	.00	.00	.00	.06	1.39	.00	.00
23	.00	.00	.00	.12	.03	.00	.00	.00	.00	.00	.00	.00
24	.18	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.58	.00	.00	.23	.00	.00	.00	.01	.07	2.49	.00	.00
27	.80	.00	.00	.00	.00	.00	.00	.00	.00	.66	.41	.00
28	1.86	.00	.00	.00	.03	.00	.00	.00	.00	.31	.34	.00
29	.09	.00	.00	.00	---	.00	.00	.00	.03	.00	1.01	.00
30	.01	.12	.00	.00	---	.01	.00	.09	.43	.00	.71	.00
31	.13	---	.25	.00	---	.00	---	.00	---	.00	.01	---
Total	6.21	1.39	3.70	3.77	4.69	4.93	0.71	1.75	3.68	5.59	9.98	1.49

Calendar year 1985 - Total 48.94
Water year 1986 - Total 47.89

Appendix I.--Daily total rainfall at sites in the Nassau River basin, Florida--Continued
Station number 303209081371800, Tisonia Tower near Tisonia, Florida

[Rainfall in inches, water year October 1986 through September 1987. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	0.00	0.00	0.00	0.25	0.00	0.72	---	---	0.00	0.02	0.05	0.76
2	.00	.01	.19	.00	.27	.00	---	---	.00	.00	.00	.87
3	.00	.00	.01	.02	.00	.00	---	---	.01	.35	.00	.38
4	.00	.00	.00	.59	.00	.00	---	---	.00	.19	.00	1.02
5	.00	.00	.00	.22	1.38	.00	---	---	.00	.01	.00	.73
6	.00	.00	.00	.00	.51	.05	---	.00	.00	.00	.00	.31
7	.48	.00	.00	.00	.55	1.68	---	.08	.00	.00	.00	.00
8	.00	.00	.05	.00	.00	.01	---	.05	.00	.00	.00	.00
9	.22	.00	.00	.00	.00	.03	---	.00	.00	.16	.14	.00
10	.19	.00	.22	.36	.00	.00	---	.00	.00	.08	.03	.01
11	.20	.01	.55	.00	.00	.00	---	.00	.00	.00	.00	.1
12	.01	.00	.56	.00	.00	---	---	.00	.00	.09	.12	.26
13	.45	.00	.00	.00	.00	---	---	.56	.27	.00	.22	.02
14	.13	.00	.00	.00	.00	---	---	.06	.59	.1	.24	.00
15	.00	.01	.04	.00	.00	---	---	.00	.00	.06	.00	.00
16	.00	.00	.05	.24	.50	---	---	.00	.04	.02	.05	.00
17	.00	.02	.00	.11	.00	---	---	.00	.13	.00	.00	.00
18	.00	.54	.00	.01	.00	---	---	.00	.00	.08	.00	.00
19	.00	.00	.00	.16	.00	---	---	.01	.00	.01	.00	.00
20	.00	.41	.00	.00	.08	---	---	.00	.36	.02	.12	.00
21	.00	.00	.00	.54	.83	---	---	.00	.27	.01	.07	.00
22	.00	.00	.00	.63	.71	---	---	.00	.35	.00	.00	.00
23	.00	.00	.78	.00	.00	---	---	.00	.22	.01	.00	.00
24	.00	.00	.01	.00	.03	---	---	.00	.00	.00	.20	.00
25	.00	.00	.00	.45	.00	---	---	.00	.05	.00	.01	.00
26	.01	.00	.00	.00	.00	---	---	.00	.03	.08	.00	.00
27	.02	.00	.00	.00	.00	---	---	.00	.00	.01	.00	.00
28	.00	.00	.00	.00	.01	---	---	.1	.00	.04	.00	.00
29	.62	.57	.00	.00	---	---	---	.01	.00	.27	.00	.04
30	.03	1.09	.00	.00	---	---	---	.00	.21	.01	.02	.05
31	.01	---	1.62	.00	---	---	---	.00	---	.43	.01	---
Total	2.37	2.66	4.08	3.58	4.87	---	---	---	2.53	2.05	1.28	4.55

Calendar year 1986 Total 45.70

[Rainfall in inches, water year October 1987 through September 1988]

1	.00	.00	.00	.00	.00	.00	.00	.57	.00	---	---	---
2	.00	.02	.00	.00	.00	.00	.00	.00	.00	---	---	---
3	.00	.12	.00	.05	.00	.00	.00	.00	.00	---	---	---
4	.00	1.28	.00	.01	.00	.74	.01	.00	.38	---	---	---
5	.00	.01	.00	.00	.43	.30	.03	.00	.00	---	---	---
6	.00	.00	.00	.00	.21	.07	.04	.00	.12	---	---	---
7	.00	.00	.00	.42	.00	.00	.00	.03	.08	---	---	---
8	.00	.00	.00	.03	.09	.00	.00	.00	.07	---	---	---
9	.00	.27	.00	.15	.00	.37	.00	.00	.04	---	---	---
10	.00	.00	.00	.00	.00	.07	.00	.00	.08	---	---	---
11	.00	.00	.00	.01	.00	.00	.00	.06	.01	---	---	---
12	.00	.00	.00	.00	.00	.00	.28	.00	.00	---	---	---
13	.00	.00	.00	.00	.00	.00	.01	.01	.00	---	---	---
14	.00	.00	.00	.00	.00	.00	.00	.07	.00	---	---	---
15	.00	.00	.08	.00	.28	.00	.00	.00	.00	---	---	---
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	---	---	---
17	.00	1.13	.00	.14	.00	.00	.00	.11	.00	---	---	---
18	.00	.01	.00	.01	.19	.27	.00	.01	.00	---	---	---
19	.00	.36	.00	.00	1.22	.01	.19	.00	.00	---	---	---
20	.00	.01	.00	1.45	1.67	.00	.00	.00	.00	---	---	---
21	.00	.00	.00	1.03	.21	.00	.00	.00	.00	---	---	---
22	.00	.00	.00	.01	.00	.00	.00	.00	.00	---	---	---
23	.00	.00	.00	.00	.00	.00	.02	.00	.00	---	---	---
24	.00	.00	.00	.10	.00	.00	.00	.01	.00	---	---	---
25	.16	.01	.00	.69	.00	.20	.00	.11	.00	---	---	---
26	.01	.01	.00	.00	.00	.09	.22	.00	.00	---	---	---
27	.00	.19	.00	.00	.00	.01	.01	.00	.11	---	---	---
28	.00	.00	.00	.00	.00	.00	.00	.00	---	---	---	---
29	.00	.00	.00	.00	.00	.00	.00	.00	---	---	---	---
30	.00	.00	.00	.00	---	.00	.76	.00	---	---	---	---
31	.00	---	.00	.00	---	.00	---	.00	---	---	---	---
Total	0.17	3.42	0.08	4.10	4.30	2.13	1.57	0.98	---	---	---	---

Appendix I.--Daily total rainfall at sites in the Nassau River basin, Florida--Continued
Station number 304003081381800, Yulee Tower near Becker, Florida

[Rainfall in inches, water year October 1984 through September 1985. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	0.00	0.00	0.00	0.44	0.00	0.00	0.00	---	---	---
2	---	---	.00	.00	.10	.00	.00	.00	.00	---	---	---
3	---	---	.00	.08	.01	.00	.00	1.18	.00	---	---	---
4	---	---	.00	.26	.64	.00	.00	.00	.00	---	---	---
5	---	---	.06	.00	.05	.00	.10	.00	.00	---	---	---
6	---	---	.32	.00	.30	.00	.41	.00	.00	---	---	---
7	---	---	.00	.00	.01	.00	.00	.00	.01	---	---	---
8	---	---	.00	.00	.00	.00	.00	.98	.02	---	---	---
9	---	---	.00	.00	.00	.00	.00	.00	.00	---	---	---
10	---	---	.00	.00	.00	.00	.00	.00	.00	---	---	---
11	---	---	.00	.00	.20	.00	.00	.00	.13	---	---	---
12	---	---	.00	.00	.00	.00	.00	.00	.12	---	---	---
13	---	---	.00	.00	.00	.00	1.15	.12	---	---	---	---
14	---	---	.00	.00	.00	.00	.06	.00	---	---	---	---
15	---	---	.00	.00	.00	.00	.00	.00	---	---	---	---
16	---	---	.01	.00	.00	.07	.27	.00	---	---	---	---
17	---	---	.00	.04	.00	.46	.00	.00	---	---	---	---
18	---	---	.00	.00	.00	.00	.00	.00	---	---	---	---
19	---	---	.00	.00	.00	.00	.00	.00	---	---	---	---
20	---	---	.00	.03	.00	.00	.00	.27	---	---	---	---
21	---	---	.00	.00	.00	.01	.00	.02	---	---	---	---
22	---	---	.00	.00	.00	.00	.00	.01	---	---	---	---
23	---	---	.00	.00	.00	.00	.00	.02	---	---	---	.06
24	---	---	.00	.01	.00	.00	.00	.01	---	---	---	.00
25	---	---	.00	.00	.00	.00	.00	.01	---	---	---	.00
26	---	---	.00	.00	.00	.00	.00	.00	---	---	---	.00
27	---	---	.00	.00	.00	.00	.00	.01	---	---	---	.00
28	---	.13	.00	.01	.00	.00	.00	.00	---	---	---	.00
29	---	.00	.00	.00	---	.00	.45	.00	---	---	---	.02
30	---	.00	.00	.78	---	.00	.00	.00	---	---	---	.41
31	---	---	.00	.24	---	.00	---	.00	---	---	---	---
Total	---	---	0.39	1.45	1.31	0.98	2.44	2.63	---	---	---	---

[Rainfall in inches, water year October 1985 through September 1986]

1	.03	.28	.81	.10	.00	.13	.00	.00	.01	.00	.00	.00
2	.03	.00	.01	.00	.00	.01	.00	.00	.05	.02	.09	.00
3	.00	.72	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00
4	.00	.00	.00	1.36	.00	1.14	.00	.00	.00	.01	.00	.05
5	.00	.00	.01	.04	2.11	.00	.00	.00	.00	.07	.00	.31
6	.00	.00	.00	.00	.31	.00	.00	.00	.00	.01	.18	.10
7	.00	.00	.00	.24	.00	.00	.00	.10	.00	.01	.00	.00
8	.28	.00	.00	.00	.93	.00	.00	.01	.00	.00	.00	.00
9	.03	.11	.00	.11	1.37	.00	.00	.00	.00	.00	.00	.06
10	.59	.00	.00	2.06	.40	.00	.00	.00	.00	.00	.00	.33
11	.04	.00	.00	.13	.40	.00	.00	.00	.00	.00	.00	.01
12	.00	.00	.00	.00	.00	.00	.06	.00	.33	.00	.00	.32
13	.00	.00	2.06	.00	.00	.89	.00	.00	.02	.00	.00	.05
14	.00	.00	.01	.00	.00	.48	.00	.00	.01	.00	.01	.00
15	.00	.00	.00	.00	.00	.62	.00	.00	.02	.00	.03	.00
16	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.01	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00	.00
18	.05	.00	.00	.09	.01	.00	.00	.00	.02	.00	.02	.37
19	.07	.02	.00	.18	.00	.00	.00	.28	.02	.00	.01	.00
20	.00	.15	.00	.00	.00	.22	.00	.00	1.06	.00	.01	.00
21	.22	.08	.00	.00	.00	.01	.49	.00	.01	.00	.01	.00
22	.78	.01	.00	.00	.00	.01	.00	.00	.02	.53	.01	.00
23	.00	.00	.00	.00	.04	.00	.00	.00	.01	.11	.01	.00
24	.13	.00	.00	.00	.00	.00	.00	.00	.01	.00	.02	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.18	.02	.00
26	1.70	.00	.00	.25	.00	.00	.00	.00	.00	1.29	.00	.00
27	.95	.00	.00	.00	.03	.00	.00	.00	.00	.06	.01	.74
28	1.73	.00	.00	.00	.02	.00	.00	.00	.00	.03	.49	.00
29	.19	.00	.04	.00	---	.00	.00	.00	.06	.01	.50	.01
30	.00	1.04	.00	.00	---	.00	.00	.04	.01	.01	.32	.00
31	.02	---	.28	.00	---	.00	---	.00	---	.00	.00	---
Total	6.84	2.41	3.22	4.56	5.62	3.57	0.55	0.43	1.72	3.39	1.75	2.35

Water year 1986 Total 36.41

Appendix I.--Daily total rainfall at sites in the Nassau River basin, Florida--Continued
Station number 304003081381800, Yulee Tower near Becker, Florida

[Rainfall in inches, water year October 1986 through September 1987. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	0.00	0.00	0.01	0.22	0.00	0.58	0.00	0.00	0.00	0.14	0.40	0.34
2	.00	.00	.23	.00	.38	.00	.00	.00	.00	.04	.51	.53
3	.00	.00	.00	.00	.00	.00	.09	.00	.00	1.54	.00	.85
4	.00	.00	.00	.60	.00	.00	.00	.00	.00	.24	.00	.98
5	.00	.00	.00	.18	.97	.00	.00	.00	.00	.08	.00	1.65
6	.00	.00	.00	.00	.47	.02	.00	.00	.00	.01	.00	.14
7	.00	.00	.00	.00	.66	.97	.00	.00	.00	.03	.00	.00
8	.01	.00	.00	.00	.00	.01	.00	.00	.00	.01	.00	.00
9	.08	.00	.00	.00	.00	.22	.00	.00	.00	.02	.79	.03
10	.12	.03	.62	.32	.00	.00	.00	.00	.00	.01	.01	.00
11	.10	.06	.42	.00	.00	.00	.00	.00	.00	.00	.00	.42
12	.01	.00	.69	.00	.00	.07	.00	.00	.04	.02	.07	.44
13	.05	.02	.00	.00	.00	.00	.00	.04	.01	.00	.45	.00
14	.40	.00	.00	.00	.00	.00	.05	.00	.28	.02	.21	.00
15	.00	.00	.06	.01	.00	.00	.12	.04	.00	.02	.17	.00
16	.00	.00	.05	.10	.87	.00	.00	.00	.00	.00	.23	.00
17	.00	.16	.00	.12	.00	.00	.00	.00	.26	.00	.00	.00
18	.00	.65	.00	.01	.00	.27	.07	.00	.00	.12	.00	.00
19	.00	.00	.01	.07	.00	.00	.00	.03	.00	.26	.06	.00
20	.00	.31	.00	.00	.08	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.44	.77	.00	.00	.00	.31	.00	.00	.00
22	.00	.00	.00	.54	.63	.00	.02	.00	1.33	.00	.00	.00
23	.00	.00	.77	.00	.00	.00	.00	.00	.06	.00	.00	.00
24	.00	.00	.00	.00	.02	.00	.00	.00	.06	.00	.01	.00
25	.01	.00	.00	.29	.00	1.02	.00	.00	.51	.00	.00	.00
26	.00	.00	.00	.00	.00	1.58	.00	.00	.00	.56	.00	.00
27	.01	.00	.00	.00	.01	.37	.00	.00	.16	.00	.00	.00
28	.00	.01	.00	.00	.01	.03	.00	.01	.00	.00	.00	.00
29	.47	.33	.00	.00	---	.06	.00	.00	.00	.30	.03	.00
30	.01	.68	.00	.06	---	.96	.00	.00	.15	.01	2.88	.36
31	.03	---	1.61	.00	---	.01	---	.00	---	2.10	.24	---
Total	1.30	2.25	4.47	2.96	4.87	6.17	0.35	0.12	3.17	5.53	6.06	5.74

Calendar year 1986 - Total 31.96
Water year 1987 - Total 42.99

[Rainfall in inches, water year October 1987 through September 1988]

1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.01	1.39
2	.00	.02	.00	.00	.00	.00	.00	.01	.00	.00	.00	1.32
3	.00	.06	.00	.11	.00	.11	.00	.13	.00	.00	.00	.01
4	.00	2.02	.00	.01	.00	.52	.00	.00	.63	.00	.58	.12
5	.00	.01	.00	.00	.20	.25	.00	.00	.02	.00	.00	1.20
6	.00	.00	.00	.00	.15	.05	.06	.00	.03	.05	.16	1.97
7	.00	.00	.00	1.29	.00	.00	.00	.00	.04	.00	.05	.07
8	.00	.00	.00	.02	.05	.00	.00	.00	.57	.00	.01	3.19
9	.00	.12	.01	.41	.00	.27	.00	.00	.01	.00	.72	.12
10	.00	.00	.04	.00	.00	.12	.00	.08	.75	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.03	.00	1.42	.10	.00
12	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.15	.01
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.59	.00
14	.00	.00	.00	.00	.00	.00	.00	.07	.00	.00	1.31	.00
15	.00	.00	.67	.00	.19	.00	.00	.00	.00	.00	.00	.00
16	.00	.14	.00	.00	.00	.00	.00	.00	.00	.00	.01	.31
17	.00	1.18	.00	.19	.00	.00	.00	.20	.00	.16	.00	.16
18	.00	.00	.00	.00	.37	.21	.00	.00	.00	.00	.00	.89
19	.00	.22	.00	.01	1.85	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	1.14	2.52	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	1.11	.10	.00	.00	.00	.00	.37	.00	.00
22	.00	.00	.00	.01	.00	.00	.01	.00	.00	.81	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.27	.01	.00
24	.00	.00	.00	.05	.00	.00	.00	.00	.00	.64	.00	.00
25	.15	.04	.00	.60	.00	.01	.01	.14	.00	.00	.00	1.10
26	.03	.06	.00	.00	.00	.02	.02	.00	.67	.00	.23	.08
27	.00	.00	.00	.01	.00	.00	.00	.00	.91	.00	1.72	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.08	.01
29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.77
30	.00	.00	.01	.00	---	.00	.00	.00	.05	.01	.04	.03
31	.00	---	.00	.00	---	.00	---	.00	---	.24	.06	---
Total	0.18	3.87	0.73	4.96	5.43	1.56	0.12	0.66	3.70	4.46	5.83	12.75

Calendar year 1987 - Total 39.75
Water year 1988 - Total 44.25

Appendix I.--Daily total rainfall at sites in the Nassau River basin, Florida--Continued
Station number 304032081541300, Hilliard Tower near Hilliard, Florida

[Rainfall in inches, water year October 1984 through September 1985. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.20	4.70
2	---	---	.00	.03	.21	.00	.00	.01	.00	.00	1.37	.18
3	---	---	.00	.23	.00	.00	.00	1.77	.00	.00	.03	.00
4	---	---	.00	.42	.62	.00	.00	.00	.00	.00	.00	.02
5	---	---	.11	.00	.13	.00	.00	.00	.00	.33	.08	.00
6	---	---	.32	.00	.31	.00	.78	.00	.12	2.10	.00	.00
7	---	---	.00	.00	.00	.00	.00	.00	.00	.45	1.28	.00
8	---	---	.00	.00	.00	.00	.00	.34	.00	.00	.22	.00
9	---	---	.00	.00	.00	.00	.00	.40	.00	.00	.11	.00
10	---	---	.00	.00	.00	.00	.07	.00	.00	.00	.04	.00
11	---	---	.00	.00	.22	.00	.00	.00	.10	.02	.00	.00
12	---	---	.00	.00	.00	.00	.00	.00	.92	.21	.00	.15
13	---	---	.00	.00	.00	.00	1.16	.01	.00	.00	.45	.00
14	---	---	.00	.00	.00	.00	.02	.00	.19	.00	.14	.00
15	---	---	.00	.00	.00	.00	.00	.10	.10	.10	.00	.27
16	---	---	.00	.00	.00	.29	.21	.00	1.82	.00	.09	.46
17	---	---	.00	.02	.00	.80	.01	.00	.00	1.50	.01	.56
18	---	---	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01
19	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.68
20	---	---	.00	.08	.00	.00	.00	.19	.00	.04	3.02	.11
21	---	---	.00	.00	.00	.02	.00	.00	.00	.00	.00	.49
22	---	---	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00
23	---	---	.00	.00	.00	.00	.00	.35	.00	.00	.00	.00
24	---	---	.00	.02	.00	.00	.00	.00	.00	.19	.84	.07
25	---	---	.00	.00	.00	.00	.00	.00	.15	.00	.03	.00
26	---	---	.00	.00	.00	.00	.00	.00	.00	.38	.00	.00
27	---	---	.00	.00	.00	.00	.00	.00	.94	.75	.30	.00
28	---	---	.00	.02	.00	.00	.48	.00	1.94	.38	.18	.00
29	---	.00	.00	.00	---	.00	.01	.00	.77	.05	.00	.00
30	---	.00	.00	1.00	---	.00	.00	.01	.20	.00	.38	.97
31	---	---	.00	.17	---	.00	---	.00	---	.00	1.76	---
Total	---	---	0.43	1.99	1.49	1.53	2.74	3.28	7.25	6.51	10.53	8.67

[Rainfall in inches, water year October 1985 through September 1986]

1	.05	.27	1.21	.12	.00	.06	.00	.00	.03	.00	.00	.00
2	.03	.01	.01	.00	.00	.00	.00	.00	.00	.03	.25	.00
3	.00	.11	.00	.00	.00	.00	.00	.00	.00	.05	.01	.09
4	.16	.00	.00	2.44	.00	1.28	.00	.00	.01	.00	.05	.10
5	.01	.00	.19	.04	1.82	.00	.00	.00	.00	4.09	.13	.09
6	.00	.00	.01	.00	.33	.00	.00	.00	.00	.00	.01	.43
7	.00	.00	.00	.30	.02	.00	.00	.83	.00	.00	.00	.01
8	.60	.00	.00	.00	1.14	.00	.00	.01	.00	.00	.02	.00
9	.06	.27	.00	.23	1.94	.00	.00	.00	.00	.00	2.88	.00
10	.40	.03	.00	1.48	.23	.00	.00	.00	1.18	.00	.02	.08
11	.02	.00	.00	.09	.53	.00	.00	.00	.80	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.16	.00	.14	.03	.09	.00
13	.01	.00	1.69	.00	.00	3.06	.01	.42	.07	.00	.49	.00
14	.00	.00	.01	.00	.00	.83	.00	.00	.21	.00	.01	.00
15	.00	.00	.00	.00	.00	.51	.00	.02	.72	.40	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.02	2.01	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.15	.00	.04	.00
18	.00	.00	.00	.07	.04	.00	.00	.00	.27	.00	2.34	.18
19	.44	.06	.00	.33	.00	.00	.00	.31	.64	.00	.08	.00
20	.01	.13	.00	.00	.00	.31	.00	.01	.63	.00	.26	.00
21	.00	.04	.00	.00	.00	.00	.49	.00	.01	.00	.00	.00
22	.00	.07	.00	.00	.00	.00	.00	.00	.16	.01	.00	.45
23	.01	.00	.00	.00	.05	.00	.00	.00	.00	.07	.00	.00
24	.75	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
25	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.41	.00	.00	.40	.00	.00	.00	.00	.02	.20	.00	.00
27	1.23	.00	.00	.00	.07	.00	.00	.00	.00	.01	.04	.21
28	1.55	.02	.00	.00	.03	.00	.00	.00	.00	.00	.07	.00
29	.13	.00	.03	.00	---	.00	.00	.07	.00	.00	1.74	.00
30	.21	.58	.00	.00	---	.00	.00	.49	.00	.04	3.83	.00
31	.03	---	.54	.00	---	.00	---	.03	---	.00	.01	---
Total	6.12	1.59	3.69	5.50	6.20	6.05	0.66	2.19	5.06	6.95	12.37	1.64

Calendar year 1985 - Total 55.39
Water year 1986 - Total 58.02

Appendix I.--Daily total rainfall at sites in the Nassau River basin, Florida--Continued
Station number 304032081541300, Hilliard Tower near Hilliard, Florida

[Rainfall in inches, water year October 1986 through September 1987. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	0.00	0.00	0.00	0.79	0.00	0.64	0.00	0.00	0.00	0.00	0.11	0.10
2	.00	.00	.22	.00	.56	.00	.00	.00	.00	.35	.14	.36
3	.00	.00	.01	.00	.01	.00	.17	.00	.00	.01	.00	.75
4	.00	.00	.00	1.08	.00	.00	.00	.00	.48	.53	.00	.23
5	.00	.00	.00	.36	1.57	.00	.00	.00	.84	.05	.07	.05
6	.00	.00	.00	.00	.24	.00	.00	.00	.01	.01	.00	1.11
7	1.21	.00	.00	.00	.62	1.29	.00	.10	.00	.92	.00	.00
8	.05	.00	.00	.00	.01	.01	.00	.03	.00	.01	.00	.00
9	.79	.00	.00	.00	.00	.02	.00	.00	.00	.00	.03	.00
10	.02	.00	.90	.21	.00	.00	.00	.00	.00	.00	.01	.00
11	.03	.00	1.41	.01	.00	.00	.00	.00	.00	1.03	.85	.20
12	.00	.00	.96	.00	.00	.07	.00	.00	.50	.00	.06	.62
13	.00	.07	.00	.00	.00	.00	.00	.18	.19	.00	.86	.01
14	.28	.00	.00	.00	.00	.00	.01	.30	.21	.01	.13	.00
15	.01	.00	.08	.10	.00	.00	.02	.00	.06	.30	.00	.00
16	.00	.03	.07	.21	.55	.00	.00	.00	.00	.00	.79	.00
17	.00	.02	.00	.30	.00	.00	.00	.00	.21	.00	.00	.00
18	.00	1.11	.00	.01	.00	.25	.00	.00	.02	.00	.00	.00
19	.00	.00	.01	.21	.00	.01	.00	.00	.01	.34	.04	.00
20	.00	.68	.00	.04	.04	.00	.00	.00	.01	.00	.00	.00
21	.00	.00	.00	.51	.90	.00	.00	.00	.45	.00	.00	.00
22	.00	.02	.00	.82	.66	.00	.00	.00	3.80	.00	.00	.00
23	.00	.00	.76	.00	.01	.00	.00	.07	.13	.00	.00	.00
24	.00	.00	.12	.00	.02	.00	.00	.00	.00	.00	.02	.00
25	.05	.00	.00	.33	.00	.63	.00	.00	.18	.02	.00	.00
26	.02	.01	.00	.00	.00	1.44	.00	.00	.01	.08	.00	.00
27	.03	.00	.00	.00	.00	.51	.00	.00	.11	.21	.00	.00
28	.00	.05	.00	.00	.00	.00	.00	.01	.00	.01	.00	.00
29	.61	.50	.00	.00	---	.07	.00	.00	.00	1.00	.00	.00
30	.02	1.52	.00	.10	---	1.41	.00	.00	.03	.41	.04	.02
31	.00	---	1.32	.00	---	.01	---	.00	---	.18	1.09	---
Total	3.12	4.01	5.86	5.08	5.19	6.36	0.20	0.69	7.25	5.47	4.24	3.45

Calendar year 1986 - Total 59.61
Water year 1987 - Total 50.92

[Rainfall in inches, water year October 1987 through September 1988]

1	.00	.00	.00	.00	.00	.00	.00	.72	.00	.01	.08	.35
2	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11
3	.00	.04	.00	.15	.00	.25	.00	.00	.00	.00	.00	.01
4	.00	.74	.00	.02	.00	1.14	.07	.00	1.20	.00	.19	.08
5	.00	.02	.00	.00	.39	.26	.01	.00	.03	.00	.01	.88
6	.00	.00	.00	.00	.26	.03	.07	.00	.06	.06	.02	1.27
7	.00	.00	.00	2.04	.00	.00	.00	.00	.00	.01	.02	.04
8	.00	.00	.06	.05	.06	.00	.00	.00	.11	.00	.01	1.33
9	.00	.15	.00	.35	.00	.41	.00	.00	.03	.00	.00	.22
10	.00	.00	.12	.00	.00	.21	.00	.07	1.14	1.02	.03	.00
11	.00	.00	.01	.00	.00	.00	.07	.28	.00	3.16	.00	.00
12	.00	.00	.03	.00	.00	.00	.36	.00	.00	.00	.02	.00
13	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.30	.00
14	.00	.00	.00	.00	.00	.00	.00	.10	.00	.00	.74	.00
15	.00	.00	1.13	.00	.35	.00	.00	.01	.00	.97	.04	.00
16	.00	.01	.00	.00	.00	.00	.00	.00	.00	.84	.01	.12
17	.00	1.08	.00	.24	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.01	.81	.27	.00	.00	.00	.00	.00	.00
19	.00	.21	.00	.01	2.82	.00	.34	.00	.00	.00	.03	.00
20	.00	.00	.00	1.30	2.51	.00	.00	.00	.00	.00	.01	.00
21	.00	.00	.00	2.05	.11	.00	.00	.00	.00	.39	.05	.00
22	.00	.00	.01	.00	.00	.00	.00	.00	.00	1.10	1.37	.00
23	.00	.00	.00	.00	.00	.00	.01	.00	.00	.56	.02	.00
24	.00	.00	.00	.07	.00	.00	.00	.00	.00	.18	.03	.00
25	.00	.00	.00	.35	.00	.39	.01	.35	.00	.00	.00	.00
26	.03	.00	.00	.00	.00	.23	.69	.00	.72	.00	.83	.00
27	.00	.02	.00	.00	.00	.01	.00	.00	2.27	.00	.11	.00
28	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.01	.00
29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.09
30	.00	.00	.00	.00	---	.00	1.47	.00	.03	.00	1.00	.06
31	.00	---	.00	.00	---	.00	---	.00	---	1.34	.03	---
Total	0.03	2.29	1.38	6.64	7.31	3.20	3.10	1.55	5.59	9.64	4.96	5.56

Calendar year 1987 - Total 41.63
Water year 1988 - Total 51.25

Appendix II.--Daily mean discharge at sites in the Nassau River basin, Florida--Continued
Station number 022312672, Mills Creek near Italia, Florida

[Discharge in cubic feet per second, water year October 1987 through September 1988. ---, indicates no data. e, indicates estimated.]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	-11	-1.5	2.0	5.7	7.4	e12	e18	e15	22	16	21	79
2	-4.2	-9.9	4.5	1.6	3.3	e11	e16	e60	27	6.0	22	167
3	-6.2	-20	9.8	-2.9	-3.0	e10	e19	e29	20	12	13	193
4	-7.1	-9.3	7.0	23	-11	e8.0	e23	e21	-29	13	19	87
5	-4.9	7.3	.29	21	-12	e15	e25	e16	-21	3.8	35	101
6	-7.9	15	10	12	4.4	e23	e25	e13	20	-8.4	40	136
7	-2.7	-2.4	2.1	-3.0	.67	e33	e22	e9.5	27	4.2	31	266
8	-3.5	30	5.3	34	10	e45	e16	e8.0	17	30	23	116
9	-7.2	19	4.2	24	-2.4	e60	e12	e6.0	17	29	19	168
10	-19	14	5.8	6.9	-4.5	e80	e9.0	e5.5	15	25	21	93
11	-12	6.2	5.4	-1.7	-5.3	e60	e7.5	e3.4	15	34	17	78
12	-4.8	-3.9	3.1	6.7	15	e40	e6.4	10	19	42	12	143
13	-34	4.5	-1.8	7.9	-3.7	e30	e11	19	19	23	13	79
14	-37	.78	.77	-12	-9.5	43	e11	21	16	20	e25	46
15	-21	2.2	10	-12	-1.2	71	e8.5	23	15	21	e80	31
16	-20	2.3	5.2	-.15	1.1	42	e7.0	24	14	20	e55	29
17	-21	13	-3.3	.51	-5.9	29	e5.8	17	10	25	e28	31
18	3.9	20	2.1	-.35	-1.8	23	e4.9	14	18	33	e17	34
19	9.1	12	5.0	-12	18	20	e4.2	23	16	29	e10	33
20	-3.7	12	4.7	-4.7	181	11	e5.8	18	14	27	e7.0	33
21	3.5	16	2.4	13	76	3.8	e5.6	11	9.6	21	e5.4	29
22	-7.4	6.6	-2.5	55	45	-9.1	e5.0	13	12	21	e29	24
23	-14	3.8	13	78	30	-14	e4.1	13	23	24	22	22
24	-14	8.2	3.7	117	25	1.7	e3.5	9.7	40	16	27	21
25	-4.8	3.3	6.5	114	10	e-7.4	e3.1	7.6	26	21	28	21
26	-6.0	3.8	5.7	120	17	e62	e2.7	1.1	13	24	31	23
27	-10	2.9	-.57	69	15	e45	e2.5	-.15	29	29	48	25
28	22	-3.0	-7.0	45	13	e35	e5.0	25	1.4	34	48	26
29	13	4.0	8.3	34	12	e28	e2.5	24	21	35	60	28
30	14	2.9	-4.4	24	---	e24	e1.5	17	29	32	59	32
31	10	---	10	15	---	e21	---	21	---	24	53	---
Total	-207.9	159.78	117.29	778.51	423.57	856.0	292.6	497.65	475.0	685.6	918.4	2,194
Mean	-6.71	5.33	3.78	25.1	14.6	27.6	9.75	16.1	15.8	22.1	29.6	73.1
Maximum	22	30	13	120	181	80	25	60	40	42	80	266
Minimum	-37	-20	-7.0	-12	-12	-14	1.5	-.15	-29	-8.4	5.4	21

Calendar year 1987 Total 16,872.70 Mean 46.2 Maximum 542 Minimum -39
Water year 1988 Total 7,190.50 Mean 19.6 Maximum 266 Minimum -37

[Discharge in cubic feet per second, water year October 1988 through September 1989.]

1	28	-.46	-.27	---	---	---	---	---	---	---	---	---
2	25	3.1	-.25	---	---	---	---	---	---	---	---	---
3	20	-7.8	-.16	---	---	---	---	---	---	---	---	---
4	19	-5.0	-3.0	---	---	---	---	---	---	---	---	---
5	14	-2.4	-2.6	---	---	---	---	---	---	---	---	---
6	6.7	-3.9	1.7	---	---	---	---	---	---	---	---	---
7	-7.6	-1.2	---	---	---	---	---	---	---	---	---	---
8	-11	6.3	---	---	---	---	---	---	---	---	---	---
9	-13	17	---	---	---	---	---	---	---	---	---	---
10	-13	19	---	---	---	---	---	---	---	---	---	---
11	-12	21	---	---	---	---	---	---	---	---	---	---
12	-12	15	---	---	---	---	---	---	---	---	---	---
13	-15	12	---	---	---	---	---	---	---	---	---	---
14	-20	9.8	---	---	---	---	---	---	---	---	---	---
15	-14	8.5	---	---	---	---	---	---	---	---	---	---
16	-15	8.4	---	---	---	---	---	---	---	---	---	---
17	-17	10	---	---	---	---	---	---	---	---	---	---
18	-14	7.7	---	---	---	---	---	---	---	---	---	---
19	-11	9.8	---	---	---	---	---	---	---	---	---	---
20	-8.6	16	---	---	---	---	---	---	---	---	---	---
21	-7.3	18	---	---	---	---	---	---	---	---	---	---
22	-.95	18	---	---	---	---	---	---	---	---	---	---
23	-5.3	20	---	---	---	---	---	---	---	---	---	---
24	-6.2	20	---	---	---	---	---	---	---	---	---	---
25	-.15	14	---	---	---	---	---	---	---	---	---	---
26	-3.8	9.6	---	---	---	---	---	---	---	---	---	---
27	-3.4	6.2	---	---	---	---	---	---	---	---	---	---
28	-5.4	3.6	---	---	---	---	---	---	---	---	---	---
29	-4.6	.73	---	---	---	---	---	---	---	---	---	---
30	-5.3	-4.5	---	---	---	---	---	---	---	---	---	---
31	-4.5	---	---	---	---	---	---	---	---	---	---	---
Total	-117.40	248.47	---	---	---	---	---	---	---	---	---	---
Mean	-3.79	8.28	---	---	---	---	---	---	---	---	---	---
Maximum	28	21	---	---	---	---	---	---	---	---	---	---
Minimum	-20	-7.8	---	---	---	---	---	---	---	---	---	---

Appendix II.--Daily mean discharge at sites in the Nassau River basin, Florida
Station number 022312672, Mills Creek near Italia, Florida

[Discharge in cubic feet per second, water year October 1985 through September 1986. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	---	---	---	---	---	---	-30	-9.7	-19	57
2	---	---	---	---	---	---	---	---	-24	-6.3	-18	62
3	---	---	---	---	---	---	---	---	-30	-9.7	-13	71
4	---	---	---	---	---	---	---	---	-88	-26	-15	71
5	---	---	---	---	---	---	---	---	-83	-36	-21	59
6	---	---	---	---	---	---	---	---	-107	-11	-25	58
7	---	---	---	---	---	---	---	---	-53	-9.9	-27	23
8	---	---	---	---	---	---	---	---	-32	-8.2	-29	29
9	---	---	---	---	---	---	---	---	-26	-8.6	-22	28
10	---	---	---	---	---	---	---	---	-27	-13	-29	63
11	---	---	---	---	---	---	---	---	-26	-13	-33	88
12	---	---	---	---	---	---	---	---	-17	-15	-40	75
13	---	---	---	---	---	---	---	---	-3.2	-14	-41	40
14	---	---	---	---	---	---	---	---	-7.5	-18	-27	24
15	---	---	---	---	---	---	---	---	-11	-26	-34	13
16	---	---	---	---	---	---	---	---	-14	-25	-41	12
17	---	---	---	---	---	---	---	---	-6.7	-17	-44	-6.8
18	---	---	---	---	---	---	---	---	-.54	-19	-28	-62
19	---	---	---	---	---	---	---	---	-7.8	-19	-37	1.9
20	---	---	---	---	---	---	---	---	-10	-26	-46	43
21	---	---	---	---	---	---	---	---	-8.1	-37	-41	55
22	---	---	---	---	---	---	---	---	-74	-40	-39	14
23	---	---	---	---	---	---	---	---	-55	-31	-44	-3.5
24	---	---	---	---	---	---	---	---	-6.9	-38	-53	15
25	---	---	---	---	---	---	---	---	4.7	-44	-53	6.5
26	---	---	---	---	---	---	---	---	-45	-26	-51	-5.7
27	---	---	---	---	---	---	---	---	-42	-18	-17	-13
28	---	---	---	---	---	---	---	-36	-12	-22	-3.7	-17
29	---	---	---	---	---	---	---	-32	-9.5	-23	-23	-14
30	---	---	---	---	---	---	---	-38	-7.0	-23	-67	-8.2
31	---	---	---	---	---	---	---	-38	---	-25	7.7	---
Total	---	---	---	---	---	---	---	---	-858.54	-657.4	-973.0	778.2
Mean	---	---	---	---	---	---	---	---	-28.6	-21.2	-31.4	25.9
Maximum	---	---	---	---	---	---	---	---	4.7	-6.3	7.7	88
Minimum	---	---	---	---	---	---	---	---	-107	-44	-67	-62

[Discharge in cubic feet per second, water year October 1986 through September 1987]

1	-4.1	-19	-1.7	284	58	189	317	3.6	9.6	12	11	-25
2	-6.0	4.0	13	266	58	162	281	-.99	1.6	13	4.6	-34
3	-4.1	-2.2	76	300	50	132	345	1.9	-.36	7.4	19	-14
4	-.65	-38	82	377	27	125	314	-2.5	-.10	4.4	20	-10
5	3.2	-27	56	442	27	126	175	-20	-6.9	3.4	8.7	22
6	-.98	18	50	531	186	91	91	-21	-6.1	1.6	2.0	108
7	-20	33	45	519	439	75	67	-2.1	-1.1	6.2	-.02	131
8	-2.2	14	50	363	542	174	19	-5.6	4.7	6.2	-3.7	139
9	23	11	56	282	441	250	9.0	-17	8.3	4.4	-4.1	141
10	19	4.0	67	239	343	256	-.44	-.94	6.9	1.4	-11	114
11	8.8	.35	118	129	225	177	-1.7	.53	4.4	1.5	-21	69
12	-12	13	155	115	242	160	.98	-.05	-3.3	-2.3	-38	64
13	14	3.9	201	100	112	113	-2.9	5.3	9.0	-10	-39	62
14	35	-40	292	95	35	66	-15	7.1	11	-3.2	-30	45
15	31	-39	250	92	38	46	-6.7	3.2	8.0	8.9	25	27
16	16	18	220	90	26	52	-6.1	3.7	4.2	3.5	46	26
17	2.8	24	200	88	30	27	.64	-3.8	11	-8.7	48	9.8
18	-2.9	18	185	85	82	13	-.73	-4.4	-.31	-13	24	8.3
19	-42	21	170	82	74	27	-7.0	-3.2	1.7	-.77	18	4.3
20	-13	-3.5	155	80	45	7.2	-13	-12	7.9	5.9	-4.0	-6.7
21	26	36	150	74	58	38	-12	-16	10	.72	-8.3	-17
22	27	21	145	117	144	20	-15	-7.5	18	1.7	-39	-10
23	19	16	136	216	287	-5.8	-14	-.30	15	-3.5	-23	-17
24	9.7	28	130	127	304	7.4	-3.0	3.3	9.6	-7.9	-23	-17
25	1.1	21	120	139	259	13	-3.5	2.8	13	-6.0	-29	-7.3
26	-6.0	19	113	131	246	44	-6.6	3.2	14	2.4	-21	-6.7
27	-6.6	23	105	89	192	146	-9.7	-.98	14	6.4	-29	-11
28	7.4	16	100	80	196	319	-.03	-6.3	11	-1.8	-25	-14
29	5.0	4.4	104	58	---	330	-3.9	4.2	11	.95	-17	-5.6
30	.41	4.1	82	61	---	382	9.9	11	17	-6.2	-20	.43
31	-36	---	92	56	---	512	---	14	---	-3.7	-35	---
Total	91.88	202.05	3,716.3	5,707	4,766	4,073.8	1,508.22	-60.83	202.73	24.90	-193.82	775.53
Mean	2.96	6.73	120	184	170	131	50.3	-1.96	6.76	.80	-6.25	25.9
Maximum	35	36	292	531	542	512	345	14	18	13	48	141
Minimum	-42	-40	-1.7	56	26	-5.8	-15	-21	-6.9	-13	-39	-34

Water year 1987 Total 20,813.76 Mean 57.0 Maximum 542 Minimum -42

Appendix II.--Daily mean discharge at sites in the Nassau River basin, Florida--Continued
Station number 022312672, Mills Creek near Italia, Florida

[Discharge in cubic feet per second, water year October 1987 through September 1988. ---, indicates no data. e, indicates estimated.]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	-11	-1.5	2.0	5.7	7.4	e12	e18	e15	22	16	21	79
2	-4.2	-9.9	4.5	1.6	3.3	e11	e16	e60	27	6.0	22	167
3	-6.2	-20	9.8	-2.9	-3.0	e10	e19	e29	20	12	13	193
4	-7.1	-9.3	7.0	23	-11	e8.0	e23	e21	-29	13	19	87
5	-4.9	7.3	.29	21	-12	e15	e25	e16	-21	3.8	35	101
6	-7.9	15	10	12	4.4	e23	e25	e13	20	-8.4	40	136
7	-2.7	-2.4	2.1	-3.0	.67	e33	e22	e9.5	27	4.2	31	266
8	-3.5	30	5.3	34	10	e45	e16	e8.0	17	30	23	116
9	-7.2	19	4.2	24	-2.4	e60	e12	e6.0	17	29	19	168
10	-19	14	5.8	6.9	-4.5	e80	e9.0	e5.5	15	25	21	93
11	-12	6.2	5.4	-1.7	-5.3	e60	e7.5	e3.4	15	34	17	78
12	-4.8	-3.9	3.1	6.7	15	e40	e6.4	10	19	42	12	143
13	-34	4.5	-1.8	7.9	-3.7	e30	e11	19	19	23	13	79
14	-37	.78	.77	-12	-9.5	43	e11	21	16	20	e25	46
15	-21	2.2	10	-12	-1.2	71	e8.5	23	15	21	e80	31
16	-20	2.3	5.2	-.15	1.1	42	e7.0	24	14	20	e55	29
17	-21	13	-3.3	.51	-5.9	29	e5.8	17	10	25	e28	31
18	3.9	20	2.1	-.35	-1.8	23	e4.9	14	18	33	e17	34
19	9.1	12	5.0	-12	18	20	e4.2	23	16	29	e10	33
20	-3.7	12	4.7	-4.7	181	11	e5.8	18	14	27	e7.0	33
21	3.5	16	2.4	13	76	3.8	e5.6	11	9.6	21	e5.4	29
22	-7.4	6.6	-2.5	55	45	-9.1	e5.0	13	12	21	e29	24
23	-14	3.8	13	78	30	-14	e4.1	13	23	24	22	22
24	-14	8.2	3.7	117	25	1.7	e3.5	9.7	40	16	27	21
25	-4.8	3.3	6.5	114	10	e-7.4	e3.1	7.6	26	21	28	21
26	-6.0	3.8	5.7	120	17	e62	e2.7	1.1	13	24	31	23
27	-10	2.9	-.57	69	15	e45	e2.5	-.15	29	29	48	25
28	22	-3.0	-7.0	45	13	e35	e5.0	25	1.4	34	48	26
29	13	4.0	8.3	34	12	e28	e2.5	24	21	35	60	28
30	14	2.9	-4.4	24	---	e24	e1.5	17	29	32	59	32
31	10	---	10	15	---	e21	---	21	---	24	53	---
Total	-207.9	159.78	117.29	778.51	423.57	856.0	292.6	497.65	475.0	685.6	918.4	2,194
Mean	-6.71	5.33	3.78	25.1	14.6	27.6	9.75	16.1	15.8	22.1	29.6	73.1
Maximum	22	30	13	120	181	80	25	60	40	42	80	266
Minimum	-37	-20	-7.0	-12	-12	-14	1.5	-.15	-29	-8.4	5.4	21

Calendar year 1987 Total 16,872.70 Mean 46.2 Maximum 542 Minimum -39
Water year 1988 Total 7,190.50 Mean 19.6 Maximum 266 Minimum -37

[Discharge in cubic feet per second, water year October 1988 through September 1989.]

1	28	-.46	-.27	---	---	---	---	---	---	---	---	---
2	25	3.1	-.25	---	---	---	---	---	---	---	---	---
3	20	-7.8	-.16	---	---	---	---	---	---	---	---	---
4	19	-5.0	-3.0	---	---	---	---	---	---	---	---	---
5	14	-2.4	-2.6	---	---	---	---	---	---	---	---	---
6	6.7	-3.9	1.7	---	---	---	---	---	---	---	---	---
7	-7.6	-1.2	---	---	---	---	---	---	---	---	---	---
8	-11	6.3	---	---	---	---	---	---	---	---	---	---
9	-13	17	---	---	---	---	---	---	---	---	---	---
10	-13	19	---	---	---	---	---	---	---	---	---	---
11	-12	21	---	---	---	---	---	---	---	---	---	---
12	-12	15	---	---	---	---	---	---	---	---	---	---
13	-15	12	---	---	---	---	---	---	---	---	---	---
14	-20	9.8	---	---	---	---	---	---	---	---	---	---
15	-14	8.5	---	---	---	---	---	---	---	---	---	---
16	-15	8.4	---	---	---	---	---	---	---	---	---	---
17	-17	10	---	---	---	---	---	---	---	---	---	---
18	-14	7.7	---	---	---	---	---	---	---	---	---	---
19	-11	9.8	---	---	---	---	---	---	---	---	---	---
20	-8.6	16	---	---	---	---	---	---	---	---	---	---
21	-7.3	18	---	---	---	---	---	---	---	---	---	---
22	-.95	18	---	---	---	---	---	---	---	---	---	---
23	-5.3	20	---	---	---	---	---	---	---	---	---	---
24	-6.2	20	---	---	---	---	---	---	---	---	---	---
25	-.15	14	---	---	---	---	---	---	---	---	---	---
26	-3.8	9.6	---	---	---	---	---	---	---	---	---	---
27	-3.4	6.2	---	---	---	---	---	---	---	---	---	---
28	-5.4	3.6	---	---	---	---	---	---	---	---	---	---
29	-4.6	.73	---	---	---	---	---	---	---	---	---	---
30	-5.3	-4.5	---	---	---	---	---	---	---	---	---	---
31	-4.5	---	---	---	---	---	---	---	---	---	---	---
Total	-117.40	248.47	---	---	---	---	---	---	---	---	---	---
Mean	-3.79	8.28	---	---	---	---	---	---	---	---	---	---
Maximum	28	21	---	---	---	---	---	---	---	---	---	---
Minimum	-20	-7.8	---	---	---	---	---	---	---	---	---	---

Appendix II.--Daily mean discharge at sites in the Nassau River basin, Florida--Continued
Station number 02231268, Alligator Creek at Callahan, Florida

[Discharge in cubic feet per second, water year October 1981 through September 1982. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	0.00	0.14	0.83	21	3.3	2.3	9.7	0.90	0.48	2.8	0.36	0.83
2	.00	.26	3.5	27	6.2	2.1	7.3	.83	.67	1.1	.42	.51
3	.00	.23	4.0	18	9.5	2.1	5.5	.67	1.1	.59	.59	.45
4	.00	.29	6.7	12	12	2.0	4.0	.51	1.3	.36	.51	.90
5	.00	.90	6.2	10	13	2.6	2.9	.45	.98	.29	.45	1.1
6	.00	.67	4.3	7.5	11	13	2.1	.36	.67	.39	.39	1.3
7	.00	.59	3.3	6.2	8.3	34	1.5	.29	.39	.59	.45	1.1
8	.00	.67	2.8	5.6	6.7	32	4.0	.32	.26	.83	.51	.90
9	.00	.59	2.4	5.0	5.6	28	18	.29	.14	.75	4.3	1.1
10	.00	4.6	2.1	4.5	5.3	21	38	.26	.08	.75	10	10
11	.16	6.2	1.9	4.0	4.6	15	90	.18	.02	.59	17	27
12	.00	12	1.7	3.5	4.8	11	99	.14	.00	.83	8.3	51
13	.00	10	1.7	7.9	6.9	8.1	52	.10	.00	10	3.3	33
14	.00	6.9	1.5	31	8.5	6.2	28	.06	.00	28	2.6	17
15	.00	3.8	1.7	40	8.7	5.0	18	.02	.00	24	2.3	8.7
16	.00	2.5	1.5	29	7.5	4.0	11	.00	.20	9.3	1.5	4.2
17	.00	2.0	1.5	20	7.9	3.3	7.7	.00	.48	3.8	1.2	2.4
18	.00	1.5	1.5	14	8.5	2.8	6.4	.00	5.1	2.8	1.7	1.5
19	.00	1.4	1.5	11	8.5	2.3	6.6	.00	2.6	2.9	1.9	5.2
20	.00	1.3	1.4	9.3	7.1	2.0	7.3	.00	4.8	4.5	5.5	20
21	.00	1.2	1.3	7.9	5.8	1.7	5.8	.00	2.9	4.1	10	15
22	.00	1.1	1.3	6.7	4.6	2.1	4.1	.00	3.2	22	12	8.1
23	.00	1.1	1.4	6.2	4.0	5.5	2.8	.42	4.0	55	13	4.6
24	.02	1.1	1.4	7.1	3.4	12	2.0	.02	4.5	22	12	3.0
25	.04	.90	1.7	6.7	3.0	15	1.8	.06	3.2	11	8.3	2.0
26	.20	.83	2.6	6.4	2.6	17	1.9	.29	2.3	12	5.5	3.4
27	.10	.75	3.7	5.5	2.6	15	1.7	.26	4.0	5.1	4.3	3.6
28	.08	.75	4.3	5.0	2.4	11	1.3	.26	8.1	2.6	3.3	4.0
29	.08	.75	4.1	4.6	---	12	1.1	.26	15	1.4	2.5	3.4
30	.10	.75	5.3	4.3	---	13	.90	.23	7.1	.83	1.7	2.8
31	.10	---	9.7	3.8	---	13	---	.29	---	.48	1.1	---
Total	0.88	65.77	88.83	350.7	182.3	316.1	442.40	7.47	73.57	231.68	136.98	238.09
Mean	.028	2.19	2.87	11.3	6.51	10.2	14.7	.24	2.45	7.47	4.42	7.94
Maximum	.20	12	9.7	40	13	34	99	.90	15	55	17	51
Minimum	.00	.14	.83	3.5	2.4	1.7	.90	.00	.00	.29	.36	.45

Water year 1982 Total 2,134.77 Mean 5.85 Maximum 99 Minimum .00

[Discharge in cubic feet per second, water year October 1982 through September 1983]

1	3.4	2.1	2.3	7.5	11	12	13	2.1	2.6	24	4.9	1.3
2	3.6	2.0	2.0	17	11	9.3	12	1.7	1.5	24	5.1	1.9
3	4.1	1.9	1.8	16	9.1	8.9	8.7	1.3	1.1	16	7.7	6.9
4	3.8	1.9	1.7	18	7.3	8.5	6.7	1.8	.82	22	16	8.7
5	17	1.8	1.5	24	6.0	8.1	5.5	1.9	3.6	10	17	6.0
6	73	1.4	1.4	17	6.2	20	4.4	1.5	6.0	5.8	8.5	3.0
7	59	1.3	1.3	12	9.3	35	5.3	1.3	10	4.1	8.1	1.8
8	30	1.2	1.2	8.9	12	51	21	1.8	35	3.2	8.7	1.1
9	17	1.1	1.2	7.1	9.5	37	105	1.8	32	3.0	8.5	.74
10	10	1.1	1.2	5.8	7.3	24	210	.98	13	2.1	8.5	.54
11	6.9	1.1	1.4	5.1	6.0	15	120	.66	7.3	1.4	8.7	.45
12	5.8	.98	3.4	4.8	7.9	10	50	.59	4.6	.91	17	.42
13	4.9	1.1	4.9	4.6	32	8.3	28	.54	4.0	.66	21	.45
14	4.4	1.1	9.3	4.1	46	7.1	18	.45	5.3	.59	20	.59
15	3.8	1.1	6.7	3.4	62	6.3	15	.39	3.2	.49	13	.74
16	3.3	1.1	5.5	3.0	50	17	20	.45	2.1	.42	8.3	.59
17	2.5	.98	6.3	2.6	42	94	21	.66	1.3	.32	4.8	.49
18	1.8	1.1	6.9	2.3	35	213	14	.74	.98	.26	3.0	.45
19	1.4	1.1	5.8	3.8	29	125	12	.98	.82	.20	1.9	.59
20	1.4	1.1	4.3	62	23	55	11	1.1	.74	.74	1.1	.74
21	1.2	1.2	3.4	129	20	35	8.5	1.1	3.2	1.1	.74	.91
22	1.2	1.3	2.9	125	17	27	6.2	.91	5.6	.74	.45	1.1
23	3.6	1.3	2.5	120	14	19	10	.59	6.3	2.1	.39	1.2
24	6.5	1.3	2.3	105	13	20	20	.59	4.6	1.1	.32	1.4
25	9.1	1.1	1.9	63	12	30	18	.49	3.6	.91	.26	1.2
26	8.1	2.1	1.9	30	11	24	10	.45	2.4	1.9	.23	1.1
27	5.6	2.6	1.8	23	10	18	7.1	.36	1.5	1.9	.29	.91
28	4.3	3.0	1.8	26	9.3	16	4.9	.32	4.4	1.8	.42	.59
29	3.3	3.0	1.7	21	---	14	3.7	.98	6.3	2.4	.36	.49
30	2.6	2.5	1.7	18	---	10	2.8	1.8	6.0	3.2	.32	.42
31	2.3	---	3.0	22	---	10	---	3.0	---	4.9	.54	---
Total	304.9	45.96	95.0	911.0	527.9	987.5	791.8	33.33	179.86	142.24	196.12	46.81
Mean	9.84	1.53	3.06	29.4	18.9	31.9	26.4	1.08	6.00	4.59	6.33	1.56
Maximum	73	3.0	9.3	129	62	213	210	3.0	35	24	21	8.7
Minimum	1.2	.98	1.2	2.3	6.0	6.3	2.8	.32	.74	.20	.23	.42

Calendar year 1982 Total 2,425.15 Mean 6.64 Maximum 99 Minimum .00
Water year 1983 Total 4,262.42 Mean 11.7 Maximum 213 Minimum .20

Appendix II.--Daily mean discharge at sites in the Nassau River basin, Florida--Continued
Station number 02231268, Alligator Creek at Callahan, Florida

[Discharge in cubic feet per second, water year October 1983 through September 1984. ---, indicates no data. e, indicates estimated.]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	e0.33	1.2	e5.6	e33	9.8	30	26	1.8	e12	5.1	21	0.38
2	e.30	2.5	e4.9	e23	8.2	20	18	1.7	e9.6	8.7	15	.34
3	e.29	2.9	e4.1	e18	7.6	15	22	1.2	e8.0	19	10	.30
4	e.27	2.2	e3.7	e15	7.7	12	52	1.3	e6.5	17	6.9	.40
5	e.25	1.5	e3.5	e12	8.5	11	56	3.3	e5.5	10	4.4	.55
6	e.24	1.1	e3.7	e11	9.8	18	32	6.9	e4.7	6.3	2.8	.48
7	e.23	1.1	e3.5	e9.0	8.5	43	20	8.4	e4.1	4.0	4.4	.45
8	e.45	2.3	e3.4	e8.0	7.4	45	16	5.3	e3.5	3.1	3.0	.45
9	e.70	3.1	e3.1	e7.2	6.4	27	23	2.7	e3.1	2.2	1.4	.56
10	e1.2	3.5	e2.8	e6.5	5.9	18	37	1.6	e2.8	1.2	.83	.71
11	e1.8	2.8	e4.4	e6.0	5.7	14	27	1.2	e2.5	.87	.55	.65
12	e1.4	1.9	e9.8	e5.6	5.4	11	19	.90	e2.2	.69	.42	.57
13	1.1	1.4	e22	e5.2	5.4	10	15	.67	e2.1	3.5	.34	.48
14	1.1	1.1	e16	e8.0	6.8	9.3	12	.53	e6.0	12	.32	.43
15	1.1	1.0	e14	e11	7.7	8.2	17	.48	e15	10	.31	.35
16	1.1	1.1	e13	e15	7.7	7.3	20	.45	e38	8.5	.28	.35
17	1.3	1.1	e12	e11	6.8	6.2	13	1.3	e25	6.5	.25	.32
18	1.1	1.1	e11	e9.2	6.0	5.6	9.1	42	e15	2.6	.21	.82
19	.91	1.0	e10	8.5	5.5	4.8	6.7	26	e12	4.3	.18	1.5
20	.76	7.5	e10	8.6	5.1	4.4	5.1	e20	e9.3	23	.20	1.2
21	.65	26	e9.9	11	5.0	4.7	4.0	e16	e7.6	24	.33	1.4
22	.71	30	e11	12	6.0	5.5	3.6	e13	e10	23	.53	1.2
23	2.8	16	e11	12	18	5.7	5.2	e11	e12	24	1.1	.89
24	3.9	11	e9.0	11	26	4.7	12	e9.2	e11	14	1.4	.68
25	4.6	12	e7.5	13	17	4.1	9.5	e20	e9.0	15	1.7	.56
26	2.6	16	e6.7	18	11	3.7	6.1	e35	e6.8	8.1	1.5	.48
27	1.5	13	e6.1	24	20	84	4.2	e70	4.1	4.7	1.1	.46
28	1.0	9.8	e15	25	72	380	3.2	e40	3.2	4.0	.80	11
29	.72	7.6	e32	21	73	251	2.5	e29	3.1	8.1	.56	53
30	.69	6.3	e71	15	---	98	2.2	e21	4.0	14	.48	47
31	.63	---	e45	12	---	42	---	e15	---	15	.43	---
Total	35.73	189.1	384.7	404.8	389.9	1,203.2	498.4	406.93	257.7	302.46	82.72	127.96
Mean	1.15	6.30	12.4	13.1	13.4	38.8	16.6	13.1	8.59	9.76	2.67	4.27
Maximum	4.6	30	71	33	73	380	56	70	38	24	21	53
Minimum	.23	1.0	2.8	5.2	5.0	3.7	2.2	.45	2.1	.69	.18	.30

Calendar year 1983 Total 4,426.09 Mean 12.1 Maximum 213 Minimum .20
Water year 1984 Total 4,283.60 Mean 11.7 Maximum 380 Minimum .18

[Discharge in cubic feet per second, water year October 1984 through September 1985]

1	18	4.0	3.8	2.4	19	2.8	.78	.35	.09	2.1	8.6	355
2	9.8	3.6	3.4	2.3	15	3.4	.69	.32	.06	1.7	7.2	434
3	6.3	4.0	3.1	2.4	10	4.0	.57	3.1	.08	2.3	15	294
4	4.3	5.0	2.9	3.7	14	3.8	.51	3.2	.06	2.2	20	175
5	3.2	7.0	2.8	4.5	19	3.2	.49	2.7	.05	1.4	13	91
6	2.6	6.2	3.0	5.4	20	2.7	1.2	2.2	.07	2.2	8.2	47
7	2.2	3.8	3.0	4.4	16	2.4	1.3	1.5	.09	6.9	15	27
8	2.0	2.7	3.4	3.5	13	2.2	1.6	1.0	.12	6.2	34	18
9	1.8	2.1	3.5	3.3	9.8	2.1	1.3	.98	.13	6.8	39	13
10	1.7	1.8	3.4	3.0	7.3	2.0	1.1	.98	.11	4.8	27	9.7
11	1.4	1.7	3.3	2.9	5.9	1.9	.96	.95	.11	2.8	23	7.5
12	1.3	1.7	3.1	2.9	5.9	1.8	.87	.77	.45	2.4	14	5.8
13	1.3	1.7	2.9	2.7	5.9	1.6	3.5	.64	.14	2.3	8.6	4.8
14	1.1	1.6	2.8	2.6	5.8	1.5	7.2	.58	.35	3.9	26	4.5
15	1.1	1.4	2.7	2.5	5.0	1.3	15	.46	.17	6.1	148	5.2
16	.98	1.4	2.6	2.5	4.4	1.2	7.2	.33	2.8	5.0	91	13
17	.98	1.3	2.5	2.5	4.0	4.0	3.9	.27	3.0	7.4	70	63
18	.98	1.3	2.5	2.5	3.8	8.1	2.6	.23	6.1	21	46	99
19	.97	1.3	2.5	2.5	3.7	11	2.0	.23	3.2	25	22	83
20	.91	1.2	2.4	2.6	3.6	5.2	1.5	.54	1.5	13	20	86
21	.91	1.2	2.4	2.6	3.5	3.6	1.2	.39	.92	7.4	67	85
22	.97	3.5	2.4	2.4	3.5	3.2	.91	.73	.55	3.6	62	50
23	.99	8.5	2.4	2.4	3.5	2.9	.74	1.2	.39	2.0	25	30
24	1.1	17	2.4	2.7	3.5	2.4	.61	.86	.25	1.9	13	22
25	1.1	9.4	2.4	2.9	3.4	1.9	.51	.54	.18	3.5	8.0	16
26	1.1	5.3	2.4	3.0	3.5	1.5	.44	.38	.15	2.8	7.3	9.9
27	1.0	3.8	2.4	2.9	3.6	1.3	.40	.24	.43	2.2	6.2	8.6
28	1.1	3.4	2.4	2.7	3.1	1.2	.40	.15	.59	2.9	6.5	5.3
29	1.4	3.4	2.4	2.7	---	1.1	.59	.10	.80	4.6	7.3	5.3
30	2.0	3.6	2.4	3.4	---	.96	.44	.08	3.6	5.0	6.8	5.6
31	3.3	---	2.4	8.5	---	.86	---	.16	---	8.0	59	---
Total	77.89	113.9	86.0	97.3	218.7	87.12	60.51	26.16	26.54	169.4	923.7	2,073.2
Mean	2.51	3.80	2.77	3.14	7.81	2.81	2.02	.84	.88	5.46	29.8	69.1
Maximum	18	17	3.8	8.5	20	11	15	3.2	6.1	25	148	434
Minimum	.91	1.2	2.4	2.3	3.1	.86	.40	.08	.05	1.4	6.2	4.5

Calendar year 1984 Total 3,951.86 Mean 10.8 Maximum 380 Minimum .18

Appendix II.--Daily mean discharge at sites in the Nassau River basin, Florida--Continued
Station number 02231268, Alligator Creek at Callahan, Florida

[Discharge in cubic feet per second, water year October 1985 through September 1986. ---, indicates no data. e, indicates estimated.]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	93	e38	20	8.8	8.4	6.5	3.8	0.66	0.73	0.40	0.22	22
2	124	e34	46	16	7.7	6.5	3.6	.49	1.0	.47	.29	11
3	57	e30	50	14	7.7	6.0	3.2	.42	1.0	.58	.29	8.0
4	32	e28	26	17	7.4	29	2.8	.41	1.4	.65	.40	5.3
5	21	e25	18	86	15	130	2.5	.42	1.2	.68	1.9	3.6
6	16	e25	14	139	147	78	2.1	.44	1.0	.79	.97	5.9
7	12	e22	12	75	200	35	2.0	.86	.85	.63	.51	6.4
8	10	e18	10	51	137	22	1.9	1.4	.65	.50	.41	4.4
9	9.3	e15	9.1	38	184	16	1.6	1.2	1.2	.42	2.5	3.5
10	8.9	e18	7.9	63	196	13	1.3	1.0	3.4	.31	2.3	3.5
11	13	e22	7.4	192	179	12	1.2	.82	14	.25	1.2	4.4
12	18	e20	6.7	161	127	10	1.2	.68	17	.47	1.0	6.8
13	16	e16	36	86	74	12	1.5	1.1	13	.51	1.1	4.3
14	12	e13	151	47	41	107	1.7	1.4	11	.32	2.8	2.6
15	9.9	e11	132	32	30	271	1.7	1.5	5.2	.26	4.3	1.9
16	8.0	e9.5	57	24	24	190	1.4	1.3	3.1	2.1	4.6	1.4
17	7.1	e8.5	31	20	19	107	1.3	1.1	3.6	1.5	2.5	1.1
18	6.1	e7.0	23	18	17	53	1.2	.93	14	.56	2.5	1.7
19	5.1	e6.1	18	18	15	32	.97	1.6	15	.44	39	1.8
20	4.4	7.6	16	23	14	25	.91	2.1	9.5	.38	46	1.4
21	4.9	10	13	21	13	25	3.1	2.1	18	.29	19	1.1
22	4.4	10	11	16	11	21	4.9	1.7	13	.23	14	.88
23	6.5	9.7	9.7	14	10	16	4.6	1.2	4.5	.24	6.6	.74
24	5.3	9.5	8.8	12	9.3	13	2.9	.92	2.0	.26	3.3	.69
25	4.7	9.0	8.2	11	8.4	11	2.0	.73	1.1	.30	1.9	.56
26	4.1	8.1	7.3	11	7.4	9.5	1.5	.52	.69	.32	1.1	.48
27	4.0	7.4	6.5	13	6.9	8.6	1.2	.45	.56	.36	2.7	.45
28	e20	6.5	6.3	14	6.6	8.5	1.1	.44	.49	.33	6.2	.45
29	e60	5.7	6.5	11	---	7.3	.78	.39	.43	.36	25	.43
30	e50	9.3	6.5	10	---	6.4	.66	.30	.39	.33	67	.42
31	e40	---	6.1	9.2	---	4.7	---	.67	---	.27	51	---
Total	686.7	458.9	781.0	1,271.0	1,522.8	1,292.0	60.62	29.25	158.99	15.51	312.59	107.20
Mean	22.2	15.3	25.2	41.0	54.4	41.7	2.02	.94	5.30	.50	10.1	3.57
Maximum	124	38	151	192	200	271	4.9	2.1	18	2.1	67	22
Minimum	4.0	5.7	6.1	8.8	6.6	4.7	.66	.30	.39	.23	.22	.42

Water year 1986 Total 6,696.56 Mean 18.3 Maximum 271 Minimum .22

[Discharge in cubic feet per second, water year October 1986 through September 1987]

1	.39	3.2	31	114	13	29	106	.75	.42	1.2	26	2.6
2	.39	2.8	28	163	13	55	53	.67	.38	1.7	19	4.2
3	.39	2.3	16	74	17	37	34	.61	.35	4.4	17	15
4	.38	1.9	15	44	21	25	27	.56	.35	18	11	48
5	.35	1.6	11	78	35	19	22	.55	.43	14	5.0	58
6	.35	1.4	7.7	89	145	15	17	.59	.55	15	2.8	32
7	.32	1.3	6.0	49	171	19	13	.65	.52	14	1.7	99.3
8	.35	1.2	5.0	32	118	62	10	.71	.42	31	1.2	122
9	.41	1.2	4.5	24	64	73	8.3	.95	.38	44	.94	47
10	.99	1.0	7.8	23	38	39	6.8	.89	.31	30	1.1	23
11	1.6	.98	52	26	27	26	5.6	.74	.26	23	.90	16
12	1.6	.98	75	25	21	20	4.6	1.0	.40	11	.97	18
13	2.1	.98	108	19	17	17	3.9	1.4	.77	6.3	4.2	31
14	2.2	.98	65	15	15	15	4.4	2.3	2.0	3.6	47	31
15	2.6	1.0	32	13	12	12	8.5	9.5	3.1	3.2	87	20
16	4.7	1.1	23	12	21	9.9	8.8	17	3.4	3.7	86	13
17	3.6	1.2	19	16	34	8.5	6.0	5.7	2.3	3.9	51	8.6
18	2.0	3.5	16	24	24	7.9	4.5	2.9	2.5	2.6	28	6.0
19	1.3	6.2	13	26	20	11	3.8	1.9	2.6	1.8	15	4.3
20	1.0	12	12	24	15	14	3.2	1.5	1.9	1.7	9.2	3.1
21	.80	8.6	10	26	30	11	2.6	1.2	1.5	1.7	6.2	2.3
22	.72	7.2	8.8	73	96	8.7	2.2	.89	2.5	1.5	4.1	1.6
23	.65	5.9	12	148	120	7.0	1.8	.92	7.1	1.1	2.8	1.2
24	.64	3.7	28	80	89	6.0	1.6	.81	11	.86	1.9	1.0
25	.70	2.8	35	46	45	6.5	1.3	.59	5.3	.78	1.4	.79
26	.78	2.5	22	49	31	25	1.2	.50	3.7	1.7	1.1	.64
27	.89	2.3	17	42	25	78	1.2	.46	3.3	2.1	.96	.54
28	.83	2.3	14	29	21	82	1.1	.50	3.0	1.1	.86	.45
29	1.0	3.5	11	22	---	71	.99	.58	2.2	1.0	.81	.45
30	1.8	12	9.8	18	---	69	.93	.50	1.5	2.1	1.1	.52
31	2.6	---	11	16	---	134	---	.45	---	15	1.5	---
Total	38.43	97.62	725.6	1,439	1,298	1,012.5	365.32	58.27	64.44	263.04	437.74	611.59
Mean	1.24	3.25	23.4	46.4	46.4	32.7	12.2	1.88	2.15	8.49	14.1	20.4
Maximum	4.7	12	108	163	171	134	106	17	11	44	87	122
Minimum	.32	.98	4.5	12	12	6.0	.93	.45	.26	.78	.81	.45

Calendar year 1986 Total 5,631.61 Mean 15.4 Maximum 271 Minimum .22
Water year 1987 Total 6,411.55 Mean 17.6 Maximum 171 Minimum .26

Appendix II.--Daily mean discharge at sites in the Nassau River basin, Florida--Continued
Station number 02231268, Alligator Creek at Callahan, Florida

[Discharge in cubic feet per second, water year October 1987 through September 1988. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	0.62	0.49	2.0	2.1	8.6	9.3	3.8	40	0.05	0.07	1.0	17
2	.63	.49	1.9	2.2	7.7	8.3	3.5	75	.05	.08	3.1	27
3	.61	.57	1.8	2.4	7.0	7.4	3.3	24	.05	.10	2.7	55
4	.52	1.7	1.7	3.0	6.4	13	3.1	11	.07	.09	1.3	51
5	.45	1.9	1.6	3.3	6.1	42	3.0	5.3	.09	.06	1.2	64
6	.41	1.7	1.5	3.2	8.9	48	2.6	2.9	.20	.03	1.2	182
7	.36	1.4	1.6	4.7	14	41	2.3	1.6	.26	.02	1.5	400
8	.31	1.1	1.7	10	12	27	2.1	1.0	.31	.02	3.0	303
9	.30	1.1	1.9	23	9.2	20	2.0	.71	.23	.02	5.3	308
10	.32	1.2	2.1	15	7.9	24	1.8	.56	.79	.13	22	249
11	.35	1.1	2.3	14	6.8	29	1.7	.88	.55	7.7	20	125
12	.44	1.1	2.3	8.9	6.0	21	2.5	.90	.42	54	18	58
13	.50	1.0	2.2	6.3	5.3	15	3.3	.73	.26	39	5.6	34
14	.48	.99	2.1	5.1	4.8	12	3.8	.79	.15	13	27	23
15	.44	.99	2.5	4.4	5.4	9.4	3.1	.92	.11	7.5	74	16
16	.43	.96	3.8	3.9	8.4	7.6	2.3	.66	.08	3.1	22	11
17	.42	3.2	6.5	3.8	12	6.5	2.0	.38	.07	2.0	11	10
18	.42	6.5	5.2	4.8	8.9	6.2	1.8	.22	.05	3.6	5.7	11
19	.41	15	3.6	6.2	57	7.4	2.1	.15	.03	2.4	3.4	13
20	.42	9.5	3.1	9.9	332	8.7	2.3	.12	.15	1.2	2.4	22
21	.42	6.0	2.9	50	416	7.1	2.1	.10	.07	.71	1.9	13
22	.38	4.5	2.6	105	217	5.8	1.7	.09	.05	1.4	1.7	7.8
23	.38	3.2	2.6	45	91	5.0	1.3	.09	.05	3.8	2.3	5.1
24	.41	2.6	2.5	24	45	4.6	1.3	.09	.04	12	9.8	3.8
25	.43	2.3	2.5	23	29	4.5	1.2	.17	.05	17	22	3.1
26	.47	2.2	2.5	30	21	6.6	1.9	.16	.05	13	9.3	2.6
27	.56	2.2	2.5	22	16	12	2.0	.17	.27	3.8	22	2.3
28	.64	2.3	2.5	16	13	9.3	1.7	.16	.08	1.7	72	2.1
29	.58	2.3	2.3	13	11	7.0	1.1	.12	.08	1.0	27	2.3
30	.53	2.2	2.3	11	---	5.3	2.9	.09	.09	.72	13	2.9
31	.49	---	2.2	9.3	---	4.4	---	.07	---	.63	9.8	---
Total	14.13	81.79	78.8	484.5	1,393.4	434.4	69.6	169.13	4.80	189.88	422.2	2,024.0
Mean	.46	2.73	2.54	15.6	48.0	14.0	2.32	5.46	.16	6.13	13.6	67.5
Maximum	.64	15	6.5	105	416	48	3.8	75	.79	54	74	400
Minimum	.30	.49	1.5	2.1	4.8	4.4	1.1	.07	.03	.02	1.0	2.1

Calendar year 1987 Total 5,724.62 Mean 15.7 Maximum 171 Minimum 0.26
Water year 1988 Total 5,366.63 Mean 14.7 Maximum 416 Minimum 0.02

[Discharge in cubic feet per second, water year October 1988 through September 1989.]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	3.4	1.5	6.6	5.0	4.1	3.6	4.8	.80	.06	.90	.17	.66
2	5.0	1.5	5.2	12	3.9	5.0	3.3	3.0	.06	.68	.53	2.0
3	15	1.2	4.1	26	3.8	13	2.4	3.6	.06	.40	1.3	3.6
4	90	1.7	3.5	16	3.7	20	2.0	2.2	.10	.35	1.2	2.2
5	64	2.8	3.2	11	3.6	11	2.0	1.1	.09	.39	.65	2.5
6	29	3.0	3.0	8.9	3.4	6.8	2.0	.58	.08	.67	.35	2.7
7	17	2.8	2.9	7.5	3.2	5.3	1.6	.35	.07	.55	.20	3.4
8	11	2.2	2.9	6.6	3.1	4.5	1.5	.22	.12	.92	.16	3.8
9	8.1	1.7	2.9	6.1	3.0	4.2	1.5	.18	.29	.50	.16	7.8
10	6.3	1.5	2.9	5.5	2.8	3.9	2.2	2.6	.65	.59	.30	3.9
11	5.0	1.4	6.2	5.2	2.7	3.7	3.4	5.4	.56	.59	.90	1.9
12	4.0	1.4	21	4.9	2.5	3.4	4.2	7.8	.45	.39	.90	1.2
13	3.0	1.4	29	4.9	2.5	3.1	4.2	2.4	.26	.26	1.3	6.3
14	2.4	1.5	16	4.9	2.5	2.9	3.1	1.2	.14	.16	11	14
15	2.1	1.5	12	4.8	2.5	2.7	12	.83	.11	1.9	10	20
16	1.9	1.5	9.5	4.7	2.5	2.4	26	.49	.09	2.3	7.8	11
17	1.6	1.4	7.9	4.4	2.5	2.3	17	.31	.32	3.0	2.4	5.4
18	1.5	1.4	6.7	3.9	2.5	2.3	6.0	.19	.86	3.0	.93	4.0
19	1.4	1.4	5.9	3.8	2.8	2.2	3.1	.15	2.1	1.8	.58	3.0
20	1.1	1.4	5.4	3.6	2.9	2.0	2.7	.15	2.9	.90	.57	1.9
21	1.1	1.2	5.0	3.5	3.2	1.9	6.2	.14	2.5	.56	1.2	1.3
22	1.1	4.0	4.8	7.0	5.0	1.9	7.5	.14	3.9	1.1	1.5	1.1
23	1.1	21	4.5	14	6.5	4.0	4.2	.17	6.6	1.6	1.7	1.1
24	1.1	41	4.4	15	5.4	9.8	2.2	.17	10	1.4	2.2	2.0
25	1.6	17	4.3	9.3	4.0	19	1.3	.15	6.6	.97	11	6.9
26	1.8	9.6	4.1	7.0	3.5	8.4	.77	.13	1.6	.55	12	17
27	2.2	6.7	3.8	6.0	3.3	5.1	.48	.10	.55	.35	4.4	11
28	2.0	7.0	3.7	5.3	3.7	4.0	.39	.08	.27	.22	2.4	254
29	1.6	9.4	3.6	4.8	---	3.2	.30	.07	4.2	.19	1.2	376
30	1.4	9.3	3.7	4.6	---	2.9	.41	.07	2.4	.16	.68	234
31	1.5	---	3.7	4.4	---	4.1	---	.07	---	.14	.43	---
Total	289.3	160.4	202.4	230.6	95.1	168.6	128.75	34.84	47.99	27.49	80.11	1,005.66
Mean	9.33	5.35	6.53	7.44	3.40	5.44	4.29	1.12	1.60	.89	2.58	33.5
Maximum	90	41	29	26	6.5	20	26	7.8	10	3.0	12	376
Minimum	1.1	1.2	2.9	3.5	2.5	1.9	.30	.07	.06	.14	.16	.66

Calendar Year 1988 Total 5,844.01 Mean 16.0 Maximum 416 Minimum .02
Water Year 1989 Total 2,471.24 Mean 6.77 Maximum 376 Minimum .06

Appendix II.--Daily mean discharge at sites in the Nassau River basin, Florida--Continued
Station number 02231280, Thomas Creek near Crawford, Florida

[Discharge in cubic feet per second, water year October 1981 through September 1982. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	1.2	2.1	4.5	47	9.9	9.7	22	7.1	12	7.1	3.1	5.3
2	1.2	2.5	8.6	29	22	9.5	18	6.4	9.2	4.9	4.1	4.4
3	1.2	2.4	13	17	26	9.1	15	5.7	6.0	3.4	6.3	3.6
4	1.2	2.5	8.9	16	33	8.9	13	5.1	6.3	2.4	4.3	3.7
5	1.2	4.8	7.0	21	25	10	11	4.6	8.8	2.4	2.8	9.4
6	1.2	6.5	6.2	16	19	92	9.1	4.2	5.7	17	2.2	10
7	1.2	3.9	5.9	12	16	135	8.1	3.8	3.5	34	5.0	6.6
8	1.2	2.9	5.8	12	14	88	9.4	3.7	2.5	29	5.7	5.3
9	1.4	2.7	5.6	12	13	48	31	3.6	2.0	23	4.4	8.8
10	1.7	24	5.2	10	13	30	45	3.4	1.7	19	14	45
11	1.8	44	5.1	8.9	12	25	126	3.1	1.5	16	16	256
12	2.0	18	5.1	8.4	12	22	146	2.8	1.4	32	8.6	193
13	1.9	9.4	5.4	19	27	19	107	2.6	1.4	54	5.8	107
14	1.7	7.0	5.6	90	26	16	68	2.5	1.4	18	5.1	62
15	1.7	5.8	7.0	74	19	15	45	2.3	1.4	12	5.6	39
16	1.5	5.4	10	33	16	13	31	2.2	1.2	8.0	4.9	26
17	1.4	5.3	8.4	21	19	12	26	2.1	1.4	7.2	4.0	20
18	1.4	4.8	7.2	18	22	11	37	2.0	13	9.1	4.4	16
19	1.3	4.3	6.5	16	17	10	39	2.0	28	19	5.9	13
20	1.2	4.3	6.1	14	15	9.5	29	1.9	13	16	11	13
21	1.3	4.1	6.1	13	13	8.8	23	1.8	6.1	11	15	12
22	1.4	4.0	6.1	12	12	9.1	17	1.8	6.4	7.6	14	11
23	1.4	4.0	6.2	12	10	28	13	2.3	12	7.1	13	9.4
24	1.5	4.0	6.2	18	9.8	32	11	5.1	9.1	7.8	12	8.0
25	2.2	4.1	6.4	17	9.7	31	9.5	3.6	13	6.6	9.2	7.1
26	2.2	4.2	15	14	9.4	35	12	7.7	13	6.5	7.0	12
27	1.9	4.2	22	12	9.4	41	12	8.1	14	5.0	6.4	18
28	1.8	4.3	15	11	9.7	29	9.7	5.5	8.8	4.1	14	14
29	1.7	4.3	11	11	---	31	8.0	4.0	9.5	3.5	15	10
30	1.8	4.2	22	10	---	38	7.4	3.2	8.8	2.8	9.8	10
31	1.9	---	45	10	---	28	---	4.9	---	2.3	6.9	---
Total	47.7	204.0	298.1	634.3	458.9	903.6	958.2	119.1	222.1	397.8	245.5	958.6
Mean	1.54	6.80	9.62	20.5	16.4	29.1	31.9	3.84	7.40	12.8	7.92	32.0
Maximum	2.2	44	45	90	33	135	146	8.1	28	54	16	256
Minimum	1.2	2.1	4.5	8.4	9.4	8.8	7.4	1.8	1.2	2.3	2.2	3.6

Calendar year 1981 Total 4,408.81 Mean 12.1 Maximum 199 Minimum .50
Water year 1982 Total 5,447.9 Mean 14.9 Maximum 256 Minimum 1.2

[Discharge in cubic feet per second, water year October 1982 through September 1983]

1	14	7.0	5.2	13	47	33	80	12	13	159	74	3.8
2	12	6.8	5.0	11	79	37	70	10	8.4	256	59	19
3	9.8	6.5	4.9	24	133	31	53	8.9	6.6	264	47	27
4	8.0	6.6	4.7	24	103	25	41	11	5.8	213	35	16
5	35	6.9	4.5	16	68	22	31	15	21	154	31	12
6	193	6.4	4.5	12	66	20	26	11	85	99	27	8.4
7	151	5.9	4.6	10	93	140	24	8.5	63	59	25	6.5
8	88	5.7	4.6	9.2	95	217	55	7.3	228	40	29	5.2
9	54	5.7	4.7	8.6	71	180	162	6.6	228	30	33	4.6
10	34	5.4	4.7	9.4	55	140	400	6.2	165	23	64	4.1
11	27	5.1	4.9	9.1	63	93	252	5.9	115	16	148	3.7
12	28	5.1	6.6	8.1	79	64	177	5.5	128	12	105	3.4
13	28	5.1	9.4	7.2	138	45	133	5.2	217	8.8	60	3.7
14	23	5.4	7.4	6.8	277	35	90	4.9	162	7.7	44	4.9
15	20	5.4	6.4	6.5	272	29	63	4.6	101	6.8	44	5.1
16	16	5.1	7.6	6.3	193	73	57	4.6	54	5.8	39	4.7
17	13	5.0	9.7	6.0	156	236	55	6.0	29	5.0	25	4.3
18	11	5.0	7.7	5.8	140	480	42	6.2	19	4.4	17	4.0
19	9.8	5.1	6.5	5.7	115	341	37	5.8	15	3.8	12	7.2
20	9.1	5.3	6.3	9.8	82	213	34	7.7	11	3.6	8.6	9.2
21	8.2	5.5	5.9	88	63	193	27	6.6	15	4.4	7.0	15
22	7.7	5.6	5.4	131	53	177	21	5.4	44	7.0	5.8	14
23	9.4	5.5	5.1	196	59	138	27	4.7	34	6.9	5.0	8.6
24	16	5.1	5.1	224	63	133	64	4.5	83	8.8	4.4	6.0
25	17	4.9	5.1	171	50	154	68	4.1	111	7.1	3.9	4.9
26	13	4.9	4.9	133	38	138	47	3.7	71	6.0	3.7	4.6
27	10	6.3	4.8	99	30	111	31	3.6	44	12	3.5	4.7
28	8.8	6.5	4.8	99	28	103	23	4.2	33	13	3.5	4.2
29	7.7	6.1	4.7	95	---	88	17	23	50	13	3.2	4.0
30	7.2	5.5	5.6	73	---	62	14	44	101	23	3.2	4.2
31	6.9	---	13	56	---	64	---	28	---	38	3.4	---
Total	895.6	170.4	184.3	1,573.5	2,709	3,815	2,221	284.7	2,260.8	1,510.1	973.2	227.0
Mean	28.9	5.68	5.95	50.8	96.7	123	74.0	9.18	75.4	48.7	31.4	7.57
Maximum	193	7.0	13	224	277	480	400	44	228	264	148	27
Minimum	6.9	4.9	4.5	5.7	28	20	14	3.6	5.8	3.6	3.2	3.4

Calendar year 1982 Total 6,148.4 Mean 16.8 Maximum 256 Minimum 1.2
Water year 1983 Total 16,824.6 Mean 46.1 Maximum 480 Minimum 3.2

Appendix II.--Daily mean discharge at sites in the Nassau River basin, Florida--Continued
Station number 02231280, Thomas Creek near Crawford, Florida

[Discharge in cubic feet per second, water year October 1983 through September 1984. ---, indicates no data. e, indicates estimated.]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	3.9	15	14	163	26	165	102	e5.0	---	---	---	---
2	3.7	13	12	124	22	120	69	e4.6	---	---	---	---
3	3.5	9.3	11	91	20	91	57	e3.7	---	---	---	---
4	3.3	7.2	12	67	20	66	183	e3.3	---	---	---	---
5	3.1	6.3	15	51	22	50	233	e3.8	---	---	---	---
6	3.0	5.9	13	42	19	72	166	e6.6	---	---	---	---
7	2.9	5.7	13	35	17	199	120	---	---	---	---	---
8	3.1	9.3	11	29	15	197	85	---	---	---	---	---
9	3.2	11	9.9	26	14	142	87	---	---	---	---	---
10	3.4	9.1	9.4	24	14	107	133	---	---	---	---	---
11	4.8	7.6	10	24	13	76	123	---	---	---	---	---
12	13	6.3	45	23	13	55	97	---	---	---	---	---
13	12	5.7	52	22	15	45	70	---	---	---	---	---
14	15	5.3	33	25	26	40	51	---	---	---	---	---
15	10	5.0	29	23	21	32	40	---	---	---	---	---
16	10	5.1	29	22	16	26	47	---	---	---	---	---
17	9.4	4.9	27	20	14	22	54	---	---	---	---	---
18	8.1	4.8	27	22	13	19	41	---	---	---	---	---
19	6.5	4.8	24	29	11	16	30	---	---	---	---	---
20	5.5	21	22	32	11	15	23	---	---	---	---	---
21	5.1	117	24	37	11	16	18	---	---	---	---	---
22	5.3	68	28	45	15	15	15	---	---	---	---	---
23	26	26	26	36	58	12	13	---	---	---	---	---
24	41	20	24	31	69	11	16	---	---	---	---	---
25	18	33	20	45	50	10	14	---	---	---	---	---
26	11	42	17	70	34	9.5	11	---	---	---	---	---
27	8.1	29	16	85	103	60	e9.5	---	---	---	---	---
28	6.6	23	49	73	351	430	e7.8	---	---	---	---	---
29	5.9	20	277	57	258	367	e6.7	---	---	---	---	---
30	5.4	17	368	42	---	204	e6.0	---	---	---	---	---
31	5.7	---	235	32	---	139	---	---	---	---	---	---
Total	265.5	557.3	1,502.3	1,447	1,291	2,828.5	1,928.0	---	---	---	---	---
Mean	8.56	18.6	48.5	46.7	44.5	91.2	64.3	---	---	---	---	---
Maximum	41	117	368	163	351	430	233	---	---	---	---	---
Minimum	2.9	4.8	9.4	20	11	9.5	6.0	---	---	---	---	---

Calendar year 1983 Total 17,899.4 Mean 49.0 Maximum 480 Minimum 2.9

[Discharge in cubic feet per second, water year October 1984 through September 1985]

1	e129	43	17	5.8	26	6.9	3.1	2.1	1.7	8.8	16	416
2	e91	28	15	5.6	15	10	3.0	2.0	1.6	5.2	16	578
3	e69	35	14	6.1	16	8.7	2.9	2.1	1.6	3.1	33	412
4	e53	79	13	8.4	31	7.4	2.7	4.9	1.5	2.6	31	245
5	e43	76	12	8.1	47	6.6	2.8	4.3	1.4	2.2	27	157
6	e31	52	13	7.2	32	5.7	3.6	3.1	1.3	2.6	21	102
7	e24	35	13	6.7	25	5.3	5.3	2.6	1.3	5.6	17	69
8	e19	23	12	6.5	19	5.2	4.4	2.4	1.3	6.9	34	51
9	e15	18	11	6.2	15	5.0	3.5	6.7	1.2	3.6	44	34
10	e13	15	10	6.1	13	4.8	3.2	5.8	1.2	2.5	44	22
11	e11	14	9.7	6.1	12	4.6	3.0	3.5	1.2	2.7	40	17
12	e9.9	13	9.4	5.9	16	4.4	3.0	2.7	2.3	6.6	26	14
13	e8.9	12	9.2	5.6	14	4.4	7.9	2.5	6.4	4.2	27	52
14	e7.7	10	8.8	5.5	12	4.2	37	2.5	3.7	3.9	17	54
15	e6.9	9.3	8.5	5.5	10	4.0	22	2.2	3.4	2.8	28	42
16	e6.0	8.7	8.3	5.3	9.5	4.0	10	1.9	10	2.7	18	158
17	e5.4	8.1	8.0	5.5	9.1	13	8.0	1.8	18	21	12	402
18	4.8	7.5	7.7	6.0	8.7	14	6.2	1.8	7.8	74	9.4	479
19	4.6	7.2	7.5	5.9	8.3	8.5	5.2	1.7	4.2	93	7.4	314
20	4.4	7.4	7.2	5.4	8.1	6.7	4.4	2.3	2.9	57	6.1	233
21	4.4	7.5	6.9	5.3	7.7	6.3	3.7	6.7	2.6	25	6.3	176
22	4.6	18	6.7	5.2	7.4	6.5	3.4	4.3	2.3	12	4.9	131
23	4.5	70	6.5	5.5	7.3	5.7	3.1	3.2	2.2	7.8	4.1	96
24	4.3	57	6.5	5.8	7.0	5.1	2.9	7.4	2.1	5.9	3.9	69
25	4.1	33	6.5	6.6	6.7	4.4	2.6	4.8	1.8	6.9	12	50
26	4.2	23	6.4	6.5	6.4	4.0	2.5	3.0	1.8	8.2	20	37
27	5.9	20	6.5	5.9	6.1	3.8	2.4	2.3	1.9	6.5	17	27
28	6.4	19	6.5	5.9	5.9	3.6	2.2	2.1	2.4	5.4	15	19
29	15	22	6.4	5.9	---	3.5	2.1	1.9	2.7	15	13	16
30	90	20	6.2	6.0	---	3.4	2.1	1.8	4.0	19	15	130
31	85	---	6.0	22	---	3.2	---	1.8	---	16	157	---
Total	785.0	790.7	285.4	204.0	401.2	182.9	168.2	98.2	97.8	438.7	742.1	4,602
Mean	25.3	26.4	9.21	6.58	14.3	5.90	5.61	3.17	3.26	14.2	23.9	153
Maximum	129	79	17	22	47	14	37	7.4	18	93	157	578
Minimum	4.1	7.2	6.0	5.2	5.9	3.2	2.1	1.7	1.2	2.2	3.9	14

Appendix II.--Daily mean discharge at sites in the Nassau River basin, Florida--Continued
Station number 02231280, Thomas Creek near Crawford, Florida

[Discharge in cubic feet per second, water year October 1985 through September 1986. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	320	188	34	39	19	23	6.6	3.4	4.8	3.3	1.8	144
2	265	174	56	54	18	26	6.5	3.3	4.5	3.1	1.8	101
3	172	130	44	42	18	21	6.4	3.2	9.0	4.1	2.0	63
4	115	102	31	43	17	42	5.9	3.2	9.8	3.9	1.9	38
5	109	103	24	148	18	112	5.8	3.3	8.5	3.2	2.1	34
6	78	76	20	184	148	107	5.8	3.3	7.2	5.6	3.3	51
7	49	54	17	149	285	78	5.8	3.4	5.4	4.7	2.8	56
8	32	38	15	143	283	57	5.6	31	4.4	3.3	4.2	38
9	32	30	14	130	492	43	5.5	45	3.6	2.7	3.5	24
10	37	43	13	181	362	35	5.5	13	3.5	2.4	12	19
11	48	46	13	507	327	30	5.8	8.9	3.7	2.2	12	23
12	55	38	13	392	299	25	5.9	7.1	3.6	2.3	6.2	23
13	46	31	37	237	202	80	6.2	7.0	3.8	4.6	5.3	17
14	36	26	419	160	142	171	7.6	8.6	5.6	5.3	11	13
15	27	23	380	117	109	91	7.6	7.2	7.3	3.5	16	11
16	20	20	211	90	88	33	5.7	6.0	6.3	2.8	12	9.1
17	17	18	139	72	71	19	5.1	5.2	11	2.8	8.5	7.5
18	15	15	102	61	60	14	4.9	4.8	33	3.5	6.3	10
19	18	15	79	60	55	13	4.8	5.4	47	3.5	10	17
20	25	22	62	60	49	12	4.8	20	50	2.5	17	13
21	18	39	50	52	41	12	9.6	19	32	2.1	34	10
22	21	40	42	42	35	11	17	10	33	2.0	49	8.1
23	18	33	37	36	31	11	9.7	7.3	20	2.2	32	6.9
24	14	26	33	32	29	10	7.2	5.7	13	2.2	16	6.1
25	16	22	32	28	25	9.6	6.2	4.8	8.8	2.2	9.7	5.3
26	22	19	27	29	21	9.3	5.4	4.2	6.4	2.2	6.7	4.8
27	70	17	23	35	19	9.1	4.9	3.8	5.0	2.3	6.3	4.3
28	173	15	22	30	19	8.9	4.3	3.8	4.0	2.5	21	4.1
29	323	14	21	25	---	8.6	3.8	3.6	3.4	2.3	26	3.8
30	264	13	20	23	---	8.5	3.6	3.5	3.1	2.1	73	3.6
31	194	---	18	21	---	7.2	---	4.0	---	1.9	148	---
Total	2,649	1,430	2,048	3,222	3,282	1,137.2	189.5	262.0	360.7	93.3	561.4	768.6
Mean	85.5	47.7	66.1	104	117	36.7	6.32	8.45	12.0	3.01	18.1	25.6
Maximum	323	188	419	507	492	171	17	45	50	5.6	148	144
Minimum	14	13	13	21	17	7.2	3.6	3.2	3.1	1.9	1.8	3.6

Water year 1986 Total 16,003.7 Mean 43.8 Maximum 507 Minimum 1.8

[Discharge in cubic feet per second, water year October 1986 through September 1987]

1	3.5	6.9	36	136	32	127	319	4.4	1.9	2.3	35	5.0
2	3.4	6.3	33	303	27	220	192	4.2	1.9	2.2	24	16
3	3.2	5.8	24	193	36	155	126	4.0	1.8	2.3	15	35
4	3.1	5.4	19	123	37	105	93	3.9	1.7	2.4	11	131
5	2.9	4.8	15	124	64	74	71	3.7	1.7	2.8	11	192
6	2.8	4.5	12	135	259	53	53	4.1	1.1	3.8	7.3	124
7	2.8	4.3	10	106	442	58	37	3.9	.93	3.6	5.1	90
8	3.8	4.1	9.8	76	437	214	28	4.3	.80	2.8	3.9	116
9	5.1	3.9	9.4	56	279	287	21	4.5	.80	2.4	3.2	88
10	4.8	3.7	11	49	165	190	18	4.0	.80	2.7	2.7	49
11	9.3	3.7	54	67	107	126	16	3.8	.77	10	3.0	27
12	8.7	3.7	93	68	76	89	14	3.7	.86	6.2	3.9	93
13	6.5	3.7	99	51	57	68	12	4.0	1.1	3.4	13	296
14	6.2	3.8	76	38	43	57	11	4.6	1.4	2.6	89	201
15	11	3.9	48	31	34	41	14	8.7	1.6	2.8	273	122
16	9.1	3.9	34	30	39	33	12	6.2	1.9	3.2	254	74
17	6.8	3.9	27	42	67	26	10	4.7	2.2	2.6	175	42
18	5.3	5.2	21	57	67	23	9.7	3.8	2.5	2.3	137	24
19	4.5	11	18	57	52	33	9.0	3.3	2.9	2.2	77	17
20	4.1	8.5	16	53	40	39	8.1	3.1	3.1	3.6	39	14
21	3.7	10	15	53	103	30	7.6	2.9	2.9	11	20	11
22	3.5	9.8	13	121	241	23	7.0	2.7	2.9	6.4	14	8.9
23	3.4	7.2	15	275	433	19	6.4	2.7	3.0	3.6	10	7.7
24	3.3	6.1	52	204	335	17	6.0	2.8	3.5	2.8	7.7	7.0
25	3.2	5.6	58	140	209	16	5.6	2.6	3.4	2.4	6.1	6.1
26	3.4	5.2	36	131	143	32	5.5	2.4	5.7	2.5	4.9	5.4
27	3.7	5.0	24	123	104	188	5.7	2.2	4.2	2.4	4.3	4.9
28	3.6	4.8	20	91	80	250	5.3	2.2	3.2	2.2	3.7	4.5
29	3.6	6.1	17	67	---	220	4.9	2.3	2.6	2.1	3.4	4.5
30	7.1	15	16	52	---	279	4.6	2.1	2.4	8.1	3.8	4.4
31	8.3	---	16	41	---	456	---	2.0	---	21	4.5	---
Total	153.7	175.8	947.2	3,093	4,008	3,548	1,132.4	113.8	65.56	130.7	1,264.5	1,820.4
Mean	4.96	5.86	30.6	99.8	143	114	37.7	3.67	2.19	4.22	40.8	60.7
Maximum	11	15	99	303	442	456	319	8.7	5.7	21	273	296
Minimum	2.8	3.7	9.4	30	27	16	4.6	2.0	.77	2.1	2.7	4.4

Calendar year 1986 Total 11,153.4 Mean 30.6 Maximum 507 Minimum 1.8
Water year 1987 Total 16,453.06 Mean 45.1 Maximum 456 Minimum 0.77

Appendix II.--Daily mean discharge at sites in the Nassau River basin, Florida--Continued
Station number 02231280, Thomas Creek near Crawford, Florida

[Discharge in cubic feet per second, water year October 1987 through September 1988. ---, indicates no data. e, indicates estimated.]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	5.3	3.2	7.5	5.5	25	28	11	83	2.3	2.6	4.5	31
2	4.9	3.2	7.2	5.6	22	23	10	139	2.3	8.0	5.0	44
3	4.2	3.5	6.9	5.7	20	20	9.5	67	2.2	4.4	2.9	61
4	3.8	7.6	6.8	6.7	18	30	9.1	30	2.7	3.1	2.3	41
5	3.5	18	6.5	7.0	18	94	8.9	19	3.3	2.7	2.5	78
6	3.5	16	6.3	6.5	30	135	7.9	13	3.1	2.5	2.4	217
7	3.5	8.6	6.5	8.4	35	135	7.3	9.6	3.4	2.6	2.5	330
8	3.3	6.8	6.6	100	28	100	7.0	7.8	4.9	2.3	2.5	335
9	3.2	6.2	6.7	102	24	74	6.7	6.6	4.9	2.1	2.3	492
10	3.2	7.4	6.7	50	21	78	6.4	5.8	14	2.0	2.3	333
11	3.5	7.8	7.1	34	19	90	6.3	5.8	11	2.6	4.2	174
12	3.7	6.3	6.9	22	17	68	7.2	5.8	6.5	7.5	3.6	96
13	3.9	5.7	6.5	18	16	47	11	5.1	4.4	5.6	2.8	56
14	3.5	5.4	6.6	16	14	35	9.9	5.4	3.6	3.7	9.8	32
15	3.3	5.2	6.7	15	15	27	8.0	5.4	3.1	3.2	17	20
16	3.2	5.1	7.5	14	24	21	6.9	4.6	2.9	3.0	11	23
17	3.2	7.4	7.2	13	23	18	6.3	3.9	2.6	3.6	6.7	52
18	3.1	32	6.7	15	19	17	5.9	3.4	2.4	3.6	4.8	38
19	3.0	37	6.5	15	82	24	6.3	3.1	2.3	2.9	3.6	24
20	3.2	22	6.4	17	583	24	7.4	3.0	2.3	2.3	3.0	18
21	3.1	18	6.6	191	1,190	19	6.4	2.8	2.3	2.1	2.8	15
22	3.0	12	6.4	287	559	17	5.5	2.7	2.3	2.1	2.5	12
23	2.9	11	6.5	180	300	15	5.0	2.6	2.1	3.1	2.7	9.4
24	3.0	9.7	6.4	108	178	14	4.8	2.5	2.0	5.1	3.5	7.8
25	3.1	8.9	6.3	102	116	13	4.6	2.7	2.0	3.9	4.7	7.0
26	3.3	8.6	6.2	109	80	18	4.9	4.2	1.9	2.9	8.0	6.3
27	3.5	8.6	6.2	89	57	25	8.8	3.9	2.0	2.3	5.9	6.2
28	3.6	8.8	6.2	60	42	20	8.5	3.3	2.5	2.1	9.4	5.6
29	3.4	8.2	6.0	42	34	16	5.8	2.9	2.6	2.0	8.7	5.5
30	3.2	8.1	5.7	34	---	13	5.7	2.5	2.3	1.9	7.6	6.4
31	3.1	---	5.6	29	---	12	---	2.4	---	2.4	26	---
Total	107.2	316.3	203.9	1,707.4	3,609	1,270	219.0	458.8	106.2	100.2	177.5	2,576.2
Mean	3.46	10.5	6.58	55.1	124	41.0	7.30	14.8	3.54	3.23	5.73	85.9
Maximum	5.3	37	7.5	287	1,190	135	11	139	14	8.0	26	492
Minimum	2.9	3.2	5.6	5.5	14	12	4.6	2.4	1.9	1.9	2.3	5.5

Calendar year 1987 Total 15,803.76 Mean 43.3 Maximum 456 Minimum 0.77
Water year 1988 Total 10,851.7 Mean 29.6 Maximum 1,190 Minimum 1.9

[Discharge in cubic feet per second, water year October 1988 through September 1989]

1	6.9	4.3	13	10	6.9	7.5	e6.2	5.0	1.7	8.0	e2.7	e15
2	11	4.2	12	19	6.7	10	e5.2	12	1.6	8.1	e4.0	e25
3	13	4.0	11	18	6.6	25	e4.6	13	1.6	4.7	e6.0	e40
4	46	4.9	10	14	6.4	22	e3.9	7.0	1.5	3.5	e8.8	e70
5	42	12	9.7	12	6.3	15	4.7	4.9	1.6	3.8	e7.0	e140
6	24	25	9.2	10	6.0	12	4.7	3.9	1.8	3.0	e4.5	e100
7	17	12	8.8	10	5.8	e10	4.1	3.2	2.1	5.0	e3.0	e70
8	13	8.0	8.7	9.6	6.0	e9.0	4.7	2.8	2.1	5.0	e2.2	e50
9	10	6.8	8.6	9.1	5.7	e8.0	4.4	2.5	2.8	3.0	e3.5	e35
10	9.1	6.3	8.5	8.7	5.3	e7.5	4.3	2.6	4.3	2.3	e6.0	e25
11	8.2	5.9	11	8.6	5.2	e7.0	4.6	4.2	5.9	2.0	e13	e17
12	7.4	5.9	39	8.7	5.2	e6.5	6.0	3.8	5.3	1.7	e18	e13
13	6.5	6.0	43	8.9	5.1	e6.2	5.3	3.0	3.2	1.5	e25	e16
14	6.1	6.1	28	8.6	5.1	e6.0	4.5	2.7	2.3	1.6	e37	e24
15	5.7	5.9	20	8.3	5.0	e5.8	9.6	2.5	1.9	1.6	e26	e35
16	5.5	5.7	17	8.1	4.9	e5.6	31	2.3	1.8	1.7	e15	e27
17	5.2	5.8	16	7.5	4.8	e5.4	16	2.1	1.9	2.5	e10	e22
18	4.8	5.8	14	7.1	4.9	e5.2	8.9	2.0	5.8	2.8	e6.5	e18
19	4.7	5.8	13	6.9	5.2	e5.1	6.6	2.0	18	3.1	e4.8	e15
20	4.5	5.7	13	6.8	5.4	e5.0	5.7	2.0	22	2.9	e4.5	e14
21	4.5	5.6	12	7.0	5.7	e4.9	8.2	2.0	14	3.6	e5.0	e12
22	4.6	9.6	12	13	27	e4.8	8.1	2.0	19	5.6	e7.0	e11
23	4.2	83	11	19	30	e7.0	6.0	2.0	18	4.7	e10	e20
24	4.0	88	11	14	14	e9.6	4.6	2.0	12	8.7	e12	e30
25	4.2	36	11	11	10	e17	3.8	1.9	8.9	8.5	e18	e60
26	4.1	20	10	9.7	9.0	e12	3.3	1.9	5.8	5.4	e33	e150
27	3.8	16	9.9	8.8	8.4	e9.0	3.0	1.8	4.0	3.5	e17	e300
28	3.7	15	9.7	8.3	7.8	e7.2	2.7	1.7	2.9	2.6	e11	e640
29	3.7	15	9.8	7.8	---	e6.6	2.5	1.7	3.1	2.0	e8.0	e1,000
30	3.8	14	9.7	7.5	---	e7.0	2.6	1.7	9.9	1.8	e6.8	e660
31	4.1	---	9.6	7.3	---	e7.4	---	1.7	---	1.7	e9.0	---
Total	295.3	448.3	429.2	313.3	224.4	276.3	189.8	103.9	186.8	115.9	344.3	3,654
Mean	9.53	14.9	13.8	10.1	8.01	8.91	6.33	3.35	6.23	3.74	11.1	122
Maximum	46	88	43	19	30	25	31	13	22	8.7	37	1,000
Minimum	3.7	4.0	8.5	6.8	4.8	4.8	2.5	1.7	1.5	1.5	2.2	11

Calendar Year 1988 Total 11,397.1 Mean 31.1 Maximum 1,190 Minimum 1.9
Water Year 1989 Total 6,581.5 Mean 18.0 Maximum 1,000 Minimum 1.5

Appendix II.--Daily mean discharge at sites in the Nassau River basin, Florida--Continued
Station number 02231289, Nassau River near Hedges, Florida

[Discharge in cubic feet per second, water year October 1985 through September 1986. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	1,790	911	311	269	1,030	---	294	-346	393	512
2	---	---	2,000	551	461	384	630	---	900	-383	1,490	246
3	---	---	805	1,350	77	710	-330	---	-591	-1,040	964	943
4	---	---	937	979	-652	394	-494	---	-618	-1,560	925	982
5	---	---	1,320	1,480	-303	59	-623	---	-428	683	809	1,300
6	---	---	1,180	1,010	235	660	-254	---	330	699	1,080	1,010
7	---	---	32	1,030	766	-256	-146	---	1,300	519	614	964
8	---	---	69	-2,010	571	-1,460	-356	---	1,040	442	554	1,440
9	---	---	161	2,250	1,260	353	-451	---	467	448	1,380	2,270
10	---	---	88	1,090	2,290	501	157	---	-83	309	1,020	2,580
11	---	---	380	2,540	5,070	265	762	---	519	134	1,020	2,900
12	---	---	727	4,860	3,780	50	20	---	1,330	419	694	2,530
13	---	---	1,840	4,850	3,390	834	347	---	491	376	796	1,030
14	---	---	3,430	2,930	2,380	2,870	841	---	239	143	1,840	475
15	---	---	1,980	1,290	2,170	2,620	981	---	42	-573	-218	4,280
16	---	---	2,590	1,200	840	2,880	1,130	---	-609	-614	-1,120	4,050
17	---	---	2,550	1,080	1,180	2,290	421	---	-602	-734	-174	3,010
18	---	---	2,080	515	477	2,640	237	---	-989	-684	198	1,760
19	---	---	1,390	428	-371	2,420	-951	---	-1,580	-755	252	2,220
20	---	---	1,010	206	-1,100	467	168	---	-201	-590	727	1,820
21	---	---	674	-614	-619	-1,030	466	---	-35	487	1,000	1,480
22	---	---	359	-595	-252	-1,470	-524	---	220	930	2,370	867
23	---	---	678	-1,330	-228	-116	-1,150	---	1,370	604	1,000	669
24	---	---	514	-2,420	979	-248	132	---	1,360	396	807	1,580
25	---	---	325	-187	401	60	927	757	751	.00	400	1,990
26	---	---	51	1,010	2,110	882	793	635	80	80	914	1,340
27	---	---	227	940	2,020	1,570	837	538	644	336	1,300	1,490
28	---	---	173	-876	-1,230	1,590	964	797	432	-568	1,610	625
29	---	---	317	351	---	258	1,130	595	-103	252	-723	147
30	---	---	423	-394	---	688	832	-260	-226	92	2,110	4,120
31	---	---	1,020	130	---	809	---	-306	---	-387	1,620	---
Total	---	---	31,120	24,555	26,013	22,573	7,526	---	5,744	-885	25,652	50,630
Mean	---	---	1,000	792	929	728	251	---	191	-29	827	1,690
Maximum	---	---	3,430	4,860	5,070	2,920	1,130	---	1,370	930	2,370	4,280
Minimum	---	---	32	-2,420	-1,230	-1,470	-1,150	---	-1,580	-1,560	-1,120	147

[Discharge in cubic feet per second, water year October 1986 through September 1987]

1	4,280	721	270	1,440	485	2,280	3,680	678	806	1,010	1,550	332
2	4,180	393	1,550	2,000	1,420	1,420	4,180	574	772	882	1,050	341
3	4,000	-157	2,020	1,750	308	1,620	4,350	891	552	963	800	-171
4	3.980	525	903	62	376	998	2,790	742	311	351	829	-385
5	2,690	1360	323	-276	-178	775	1,780	491	-377	1.0	602	503
6	2,380	1,600	665	2,970	1,110	188	1,290	909	-1,170	-388	362	1,540
7	2,050	1,010	1,560	3,420	589	1,130	1,380	503	137	-683	-372	1,440
8	2,630	759	1,920	1,160	3,170	3,270	874	103	-17	-434	-184	1,960
9	2,880	512	2,870	-51	1,510	1,800	521	-1,300	-36	-100	681	1,820
10	1,460	-379	666	741	-300	-1,510	497	443	5.0	330	1,240	1,420
11	1,990	-786	520	252	576	-827	-255	-161	-391	701	853	1,420
12	4,740	509	1,140	-194	122	-303	47	14	828	838	499	1,340
13	3,270	1,440	-1,060	-1,210	-881	-367	-396	849	1,330	821	887	1,220
14	901	1,480	164	-475	-129	-371	-448	942	1,210	1,170	1,480	737
15	-423	1,270	919	-551	-93	1,020	419	1,040	926	1,070	1,690	82
16	463	1,040	1,050	-1,030	-355	1,010	479	1,160	594	470	1,370	-148
17	553	482	652	-1,050	1,010	-843	762	903	439	-156	623	71
18	101	326	492	502	1,100	855	543	1,180	-84	-321	364	45
19	392	-132	365	2,060	1,730	1,290	707	919	-429	488	122	-340
20	1,170	1,050	975	-165	625	1,230	902	109	-87	1,490	104	-912
21	1,170	926	153	61	867	2,570	609	-924	93	1,280	-36	-609
22	864	563	393	2,710	2,980	978	-168	-784	-106	761	733	187
23	945	793	2,600	1,850	3,550	758	-496	331	-288	264	1,140	306
24	903	1,120	3,100	469	272	680	-171	131	8.0	1,140	586	923
25	625	924	1,650	140	-699	1.520	-609	89	-137	1,390	856	1,080
26	811	225	192	-565	-847	1,990	-577	188	540	1,860	1,310	942
27	43	39	-1,400	-1,390	-211	2,260	-251	13	745	1,860	1,300	884
28	78	1,450	-838	-216	678	2,970	854	536	118	1,380	1,340	828
29	-409	-728	-451	-717	---	2,770	667	1,010	601	1,070	1,140	1,120
30	-1,140	604	1,380	1,260	---	4,650	1,640	926	942	972	797	726
31	-581	---	-2,430	34	---	6,380	---	1,110	---	1,690	956	---
Total	46,996	10,199	22,313	14,991	18,785	42,191	25,600	13,615	7,835	22,170	24,672	18,702
Mean	1,520	340	720	484	671	1,360	853	439	261	715	796	623
Maximum	4,470	1,600	3,100	3,420	3,550	6,380	4,350	1,180	1,330	1,860	1,690	1,960
Minimum	-1,140	-1,480	-2,430	-1,390	-881	-1,510	-609	-1,300	-1,170	-683	-372	-912

Water year 1987 Total 268,069.00 Mean 734 Maximum 6,380 Minimum -2,430

Appendix II.--Daily mean discharge at sites in the Nassau River basin, Florida--Continued
Station number 02231289, Nassau River near Hedges, Florida

[Discharge in cubic feet per second, water year October 1987 through September 1988. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	-731	-900	115	1,950	71	-371	185	499	483	350	962	1,110
2	494	-1,180	-160	315	186	178	430	418	828	748	881	1,510
3	137	294	-106	876	243	579	442	917	417	937	333	1,680
4	-724	1,160	391	3,240	336	1,220	754	645	-803	660	233	1,510
5	121	1,330	-1,360	3,940	-138	745	657	442	667	-43	48	1,960
6	810	-11	74	4,490	742	315	1,040	63	1,000	-477	338	861
7	1,350	1,440	114	3,890	498	1,520	345	101	373	170	3.0	-671
8	665	1,500	804	5,960	984	1,440	175	317	-276	588	-267	4,450
9	515	1,060	2,020	5,340	875	1,660	1,070	242	393	201	-122	5,150
10	672	1,560	1,330	4,720	520	1,700	652	-361	-635	-22	389	3,670
11	812	468	1,000	4,590	1,120	11	516	-401	-1,110	616	601	2,690
12	555	88	1,060	5,190	1,770	1,420	1,010	-422	48	888	560	2,760
13	-381	332	375	5,060	-170	865	-767	-394	542	827	702	2,960
14	247	-142	1,010	3,720	-389	-125	-642	-229	815	719	1,710	2,240
15	-6.0	-138	1,350	3,960	98	-590	370	10	636	731	1,620	1,630
16	369	-311	547	4,350	52	-874	185	717	562	775	1,250	996
17	736	870	-266	4,860	-406	-591	1,290	657	698	804	883	2,260
18	1,300	48	-172	5,330	-147	224	1,590	622	851	906	990	1,760
19	642	-363	436	332	1,900	1,160	2,010	932	506	925	1,170	657
20	701	787	551	1,800	4,080	1,080	666	813	366	863	623	190
21	1,140	-632	293	1,980	5,370	864	1,690	681	298	888	108	305
22	-262	-10	407	2,160	5,480	29	1,520	598	146	733	-718	-815
23	1,190	916	2,580	1,820	5,170	919	1,390	842	-122	483	-1,080	-92
24	1,090	1,100	2,540	1,650	4,400	1,090	1,470	298	-182	182	-62	781
25	1,270	1,290	2,810	1,860	2,640	979	355	-162	-1,300	-561	-76	945
26	614	1,130	2,170	2,170	1,290	765	-60	-3,370	-476	-524	341	559
27	1,730	936	1,690	625	1,130	174	759	-553	121	-115	1,110	247
28	1,440	-358	1,390	443	-1,040	-284	855	227	-199	341	1,540	872
29	752	503	1,100	206	445	53	95	-170	1,260	646	1,490	543
30	370	165	805	240	---	26	-281	-586	1,350	798	1,250	1,490
31	-501	---	1,890	165	---	32	---	202	---	892	790	---
Total	17,117	12,932	26,788	87,232	37,110	16,213	19,771	3,595	7,257	14,292	17,600	44,208
Mean	552	431	864	2,810	1,280	523	659	116	242	482	568	1,470
Maximum	1,730	1,560	2,810	5,690	5,480	1,700	2,010	932	1,350	937	1,710	5,150
Minimum	-731	-1,180	-1,360	165	-1,040	-874	-767	-3,370	-1,300	-561	-1,080	-815

Calendar year 1987 Total 245,398.00 Mean 672 Maximum 6,380 Minimum -1,510
Water year 1987 Total 304,752.0 Mean 833 Maximum 5,960 Minimum -3,370

[Discharge in cubic feet per second, water year October 1988 through September 1989]

1	1,460	331	779	1,880	428	68	-465	-266	-227	699	1,290	2,170
2	887	1,100	472	931	337	134	-215	-289	122	1,930	1,140	1,930
3	1,110	-410	527	1,770	-58	234	-1,130	-1,140	236	2,220	584	1,790
4	898	-231	-50	767	-505	511	-87	-614	628	1,720	1,150	997
5	-582	1,300	-761	641	-1,020	52	-5.0	672	1,150	1,990	1,480	2,130
6	-468	718	658	1,680	-164	-107	737	973	727	2,430	836	1,420
7	-419	31	626	917	575	-687	734	776	1470	1,480	1,070	1,400
8	85	3	1,330	-247	-203	-955	673	540	1,330	860	440	1,090
9	638	128	1,020	264	529	-209	633	1,360	1,760	559	-93	2,260
10	980	128	257	-80	1,150	-457	486	1,460	1,380	488	80	1,440
11	1,710	572	90	625	1,180	911	439	293	750	283	595	1,420
12	1,470	-343	-1,260	1,170	964	1,920	290	291	506	-54	340	434
13	18	1,210	1,480	1,670	996	1,410	552	39	1,080	250	271	463
14	973	1,040	1,410	6.0	1,010	1,250	-128	-609	935	-10	169	1,580
15	876	552	1,070	1310	406	1,030	286	-409	1,070	-601	787	1,860
16	932	445	-249	406	117	325	-490	-386	868	56	1,060	2,260
17	882	670	250	-255	-2,260	-499	-199	-580	809	351	1,150	2,180
18	390	-820	-70	246	-1,070	261	-386	-60	957	471	1,160	1,320
19	258	-747	632	393	-47	-863	-66	180	1,060	730	1,040	1,130
20	-2,580	1,050	928	50	226	-531	-1,100	319	1,490	891	1,150	1,860
21	442	-16	1,200	-2,850	1.520	659	-167	877	1,630	1,050	1,450	392
22	198	-1,000	843	-1,830	1,550	-1,330	703	572	1,500	1,540	1,540	2,510
23	-271	822	978	140	1,660	-300	1,300	1,140	1,390	1,480	1,180	899
24	603	466	1,830	1,050	145	2,140	463	572	1,130	1,260	618	-2,240
25	393	1,550	1,660	816	540	905	960	567	860	644	12	684
26	827	1,480	915	526	1,350	676	899	687	287	-218	-600	3,350
27	740	1,700	1,610	725	1,280	1,780	538	634	505	347	395	-676
28	956	1,550	2,370	328	1,270	1,170	491	-1,440	310	420	904	3,350
29	793	309	1,450	976	---	1,110	246	-1,460	477	-96	813	8,500
30	-387	958	1,140	1,270	---	1,240	-260	24	-512	-417	1,170	7,520
31	-337	---	1,330	695	---	481	---	-33	---	908	2,400	---
Total	13,475	14,546	24,485	15,990	11,546	12,329	5,732	4,690	25,678	23,661	25,581	55,423
Mean	435	485	790	516	412	398	191	151	856	763	825	1,850
Maximum	1,710	1,700	2,370	1,880	1,660	2,140	1,300	1,460	1,760	2,430	2,400	8,500
Minimum	-2,580	-1,000	-1,260	-2,850	-2,620	-1,330	-1,130	-1,460	-512	-601	-600	-2,240

Calendar Year 1988 Total 300,421.0 Mean 821 Maximum 5,960 Minimum -3,370
Water Year 1989 Total 233,136.0 Mean 639 Maximum 8,500 Minimum -2,850

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida
Station number 02231289, Nassau River near Hedges, Florida

[Gage height in feet, water year October 1982 through September 1983. ---, indicates no data]
Maximum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	---	---	---	---	---	12.46	12.25	11.58	---	12.92
2	---	---	---	---	---	---	---	12.38	12.55	11.58	---	13.31
3	---	---	---	---	---	---	---	12.27	12.63	11.43	---	13.28
4	---	---	---	---	---	---	---	11.98	12.30	11.46	---	13.76
5	---	---	---	---	---	---	---	12.01	12.34	11.60	---	13.57
6	---	---	---	---	---	---	---	12.04	12.47	11.81	---	13.46
7	---	---	---	---	---	---	---	12.19	12.71	12.21	---	13.40
8	---	---	---	---	---	---	---	12.26	12.89	12.60	---	13.21
9	---	---	---	---	---	---	---	12.56	12.77	12.41	---	13.36
10	---	---	---	---	---	---	---	12.86	12.65	12.25	---	13.04
11	---	---	---	---	---	---	---	12.80	12.64	12.23	---	12.84
12	---	---	---	---	---	---	---	12.76	12.74	12.24	---	12.79
13	---	---	---	---	---	---	---	12.81	12.67	12.12	---	12.56
14	---	---	---	---	---	---	---	12.72	12.43	13.11	---	12.11
15	---	---	---	---	---	---	---	12.71	12.19	---	---	13.05
16	---	---	---	---	---	---	---	12.62	12.06	---	---	13.31
17	---	---	---	---	---	---	---	12.65	12.03	---	---	12.97
18	---	---	---	---	---	---	---	13.23	11.87	---	---	12.77
19	---	---	---	---	---	---	12.58	13.03	11.90	---	---	12.79
20	---	---	---	---	---	---	12.80	12.75	11.91	---	---	12.76
21	---	---	---	---	---	---	12.63	12.53	11.99	---	---	12.73
22	---	---	---	---	---	---	12.64	12.57	12.06	---	---	12.83
23	---	---	---	---	---	---	12.74	12.59	12.18	---	---	13.22
24	---	---	---	---	---	---	12.46	12.63	12.01	---	---	13.22
25	---	---	---	---	---	---	12.64	12.82	11.91	---	---	13.48
26	---	---	---	---	---	---	12.80	12.61	11.77	---	---	13.42
27	---	---	---	---	---	---	12.71	12.61	11.75	---	---	13.31
28	---	---	---	---	---	---	12.65	12.66	11.64	---	---	12.91
29	---	---	---	---	---	---	12.64	12.67	11.51	---	---	13.25
30	---	---	---	---	---	---	12.56	12.47	11.50	---	---	13.05
31	---	---	---	---	---	---	---	12.32	---	---	---	---
Maximum	---	---	---	---	---	---	---	13.23	12.89	---	---	13.76

[Gage height in feet, water year October 1983 through September 1984]
Maximum values

1	12.89	13.17	12.53	12.87	12.91	11.76	12.96	12.79	13.16	12.71	13.03	12.69
2	12.71	12.84	12.66	12.93	12.86	12.39	12.81	12.79	13.11	12.79	12.78	12.69
3	12.66	12.67	12.70	11.99	12.99	12.74	12.81	12.74	12.80	12.86	12.58	12.70
4	12.75	12.56	12.59	11.93	12.55	12.89	12.78	12.64	12.89	12.73	12.47	12.56
5	12.76	12.72	12.57	11.29	12.50	12.36	12.83	12.59	12.90	12.70	12.56	12.74
6	12.76	12.88	12.38	11.32	11.37	12.30	11.99	12.68	12.88	12.72	12.64	13.30
7	12.92	12.63	11.58	11.43	11.79	12.05	12.01	12.49	12.78	12.74	12.70	13.49
8	13.29	13.39	11.74	11.02	12.05	12.06	12.67	12.46	12.73	12.69	12.69	13.56
9	13.01	13.36	11.65	11.06	12.30	11.86	13.08	12.59	12.77	13.06	12.62	13.60
10	13.09	12.97	11.50	11.02	12.15	12.45	12.84	12.61	12.85	12.89	12.67	13.64
11	13.19	12.41	11.61	10.94	12.36	12.83	13.69	12.78	12.91	12.72	12.70	13.09
12	12.70	12.59	11.57	11.09	12.81	12.98	13.53	12.88	12.95	12.65	12.69	12.90
13	12.40	12.59	11.40	11.39	13.29	13.08	13.53	12.82	13.01	12.53	12.57	12.49
14	12.44	12.65	11.37	11.00	12.98	13.02	13.52	12.80	12.98	12.53	12.51	12.38
15	12.42	12.50	11.32	11.90	12.99	12.92	13.46	13.20	12.85	12.54	12.40	12.39
16	12.53	12.43	11.46	12.07	13.28	13.22	13.40	13.25	12.78	12.49	12.40	12.79
17	12.46	12.52	11.82	11.71	13.29	13.45	13.32	13.12	12.69	12.33	12.44	13.46
18	12.62	12.75	12.24	13.08	13.34	13.50	12.99	13.08	12.61	11.95	12.58	13.42
19	12.61	12.86	12.12	13.81	13.21	13.50	12.87	12.86	12.40	11.67	12.49	13.36
20	12.75	13.06	12.37	14.16	13.24	13.44	12.80	12.43	12.34	12.11	12.52	13.20
21	13.13	12.90	12.76	14.50	13.17	13.22	12.68	12.33	12.70	12.34	12.69	13.19
22	13.22	12.96	12.28	13.99	13.23	12.93	12.80	12.41	12.83	12.50	12.77	13.19
23	13.21	13.07	12.07	13.55	12.69	12.70	12.80	12.39	12.89	12.55	12.72	13.23
24	12.79	13.01	11.67	13.23	11.99	12.80	11.59	12.51	12.85	12.63	12.74	13.18
25	12.63	12.55	11.61	13.10	11.98	12.91	12.40	12.66	12.81	12.70	13.11	13.11
26	12.92	12.88	11.66	12.87	12.61	12.59	11.97	12.46	12.94	12.75	13.13	13.13
27	12.71	12.92	11.82	12.79	13.00	12.68	12.03	12.55	12.93	12.77	13.22	13.34
28	12.59	12.73	11.90	12.39	11.59	12.50	12.88	12.68	12.87	12.91	13.29	14.01
29	12.36	12.46	11.77	12.70	10.64	11.51	13.00	12.73	12.77	13.00	13.19	13.29
30	12.54	12.52	11.79	12.79	---	12.62	12.98	13.02	12.76	13.15	12.94	13.29
31	12.71	---	12.05	11.97	---	13.09	---	13.11	---	13.19	12.63	---
Maximum	13.29	13.39	12.76	14.50	13.34	13.50	13.69	13.25	13.16	13.19	13.29	14.01

Water year 1984 Maximum 14.50

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued
Station number 02231289, Nassau River near Hedges, Florida

[Gage height in feet, water year October 1984 through September 1985. ---, indicates no data]
Maximum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	13.00	13.01	---	12.52	12.26	12.65	12.20	12.80	12.95	12.89	12.93	---
2	13.02	12.89	---	12.57	12.41	12.61	12.43	12.85	13.01	12.81	12.86	---
3	12.94	13.28	---	12.65	12.51	12.53	12.71	13.02	13.04	12.79	13.20	---
4	12.78	13.33	12.57	12.75	13.20	12.83	12.76	13.55	13.07	12.73	13.49	---
5	12.79	13.11	13.02	12.33	13.31	12.77	12.89	13.62	13.01	12.78	13.25	---
6	12.93	12.83	12.94	12.84	13.07	13.09	12.90	13.31	12.87	12.59	13.01	---
7	13.07	13.15	12.73	12.84	12.85	13.30	12.88	13.10	12.84	12.46	12.84	---
8	13.14	13.18	12.68	12.72	12.88	13.04	12.87	12.86	12.78	12.27	12.74	---
9	13.24	13.19	12.72	13.10	12.75	12.93	12.83	13.10	12.56	12.41	12.65	---
10	13.40	13.09	12.72	13.15	12.69	12.80	12.69	12.88	12.43	12.44	12.77	---
11	13.51	12.80	12.71	12.89	12.76	12.99	12.69	12.72	12.28	12.37	12.81	12.76
12	13.34	12.90	12.89	12.85	12.18	12.77	12.55	12.67	11.95	12.59	12.94	13.25
13	13.10	12.98	12.88	12.80	11.42	12.38	12.44	12.59	12.46	12.61	12.94	13.91
14	13.11	12.88	12.72	12.69	12.19	12.45	12.70	12.56	12.63	12.64	12.85	13.90
15	13.14	12.92	12.85	12.14	12.36	12.39	12.60	12.69	12.56	12.73	12.85	13.88
16	13.15	12.68	12.77	12.68	12.51	12.75	12.30	12.76	12.37	12.86	12.91	14.01
17	12.94	12.86	12.79	12.80	12.53	12.79	12.56	12.73	12.46	13.07	12.94	13.87
18	12.86	12.93	12.97	12.62	12.47	12.49	12.57	12.87	12.40	13.20	12.90	13.66
19	12.87	12.77	13.02	12.59	12.60	12.55	12.50	12.85	12.35	13.28	12.94	13.65
20	12.97	13.07	13.09	12.63	12.67	12.50	12.45	12.85	12.41	13.28	13.04	13.46
21	13.03	13.78	13.17	12.61	12.75	12.72	12.53	12.88	12.57	13.07	12.89	13.32
22	13.06	14.04	13.11	12.25	12.57	12.85	12.57	12.75	12.68	12.91	12.96	13.30
23	13.18	14.29	13.03	12.44	12.34	12.82	12.56	12.79	12.72	12.70	13.11	13.26
24	13.29	13.96	13.15	12.20	12.31	12.67	12.51	12.59	12.67	13.02	13.10	12.82
25	13.41	13.42	12.92	11.92	12.13	12.47	12.46	12.65	12.66	12.51	12.80	---
26	13.71	13.12	12.97	12.04	11.96	12.67	12.40	12.85	12.59	12.74	12.83	---
27	13.44	12.94	12.88	11.95	11.89	12.62	12.38	12.80	12.82	12.83	13.06	---
28	13.16	12.67	12.60	11.91	11.91	12.33	12.27	12.64	13.08	12.89	13.21	---
29	12.94	---	12.33	12.03	---	11.86	12.54	12.53	13.10	12.91	---	---
30	12.87	---	12.23	12.41	---	11.81	13.00	12.88	13.01	12.93	---	---
31	12.98	---	12.26	12.51	---	12.08	---	13.06	---	12.91	---	---
Maximum	13.71	---	---	13.15	13.31	13.30	13.00	13.62	13.10	13.28	---	---

[Gage height in feet, water year October 1985 through September 1986]
Maximum values

1	---	---	12.92	12.41	12.45	12.80	12.71	12.88	12.82	12.55	12.51	13.15
2	---	---	12.65	12.66	12.38	12.65	12.63	12.52	12.82	12.49	12.48	13.29
3	---	---	12.79	12.52	12.36	12.39	12.62	12.99	13.11	12.74	12.37	13.19
4	---	---	12.86	12.38	12.50	12.09	12.69	12.93	13.22	13.08	12.50	13.14
5	---	---	12.82	12.68	12.59	12.48	12.71	12.61	13.35	12.87	12.63	13.16
6	---	---	12.50	12.73	12.73	12.62	12.62	12.76	13.26	12.82	12.66	13.08
7	---	---	12.69	12.78	12.71	12.55	12.54	13.42	13.19	12.75	12.66	13.24
8	---	---	12.84	13.52	12.90	12.79	12.66	13.28	12.94	12.74	12.61	13.18
9	---	---	12.98	13.31	13.00	12.81	12.83	12.98	12.75	12.65	12.50	13.16
10	---	---	13.10	13.33	13.10	12.69	12.85	12.75	12.76	12.52	12.41	13.05
11	---	---	13.12	13.72	12.95	12.47	12.83	12.52	12.88	12.44	12.44	12.85
12	---	---	13.00	13.30	12.69	12.55	12.70	12.77	12.71	12.48	12.57	12.63
13	---	---	12.92	12.83	12.68	12.59	12.75	12.68	12.51	12.22	12.66	12.80
14	---	---	12.45	12.75	12.67	12.69	12.84	12.62	12.43	12.19	12.47	13.19
15	---	---	13.00	12.59	12.43	12.45	12.77	12.72	12.54	12.45	12.80	13.05
16	---	---	12.89	12.64	12.50	12.40	12.48	12.54	12.59	12.60	13.00	13.10
17	---	---	12.74	12.51	12.50	12.48	12.51	---	12.68	12.68	12.94	13.52
18	---	---	12.47	12.28	12.40	12.37	12.53	---	12.86	12.77	12.87	13.53
19	---	---	12.35	12.53	12.41	12.30	12.78	---	13.21	12.86	12.96	13.20
20	---	---	12.41	12.16	12.60	11.78	12.94	12.78	13.24	13.07	12.93	12.98
21	---	12.65	12.20	12.14	12.86	12.41	12.87	13.03	13.52	13.01	12.92	12.75
22	---	12.51	12.43	12.45	12.78	12.91	12.91	13.19	13.50	12.99	12.69	12.71
23	---	12.61	12.29	12.50	12.92	12.84	13.21	13.25	13.55	12.87	12.68	12.79
24	---	12.93	12.23	13.17	13.08	12.71	13.29	13.26	13.27	12.91	12.74	12.62
25	---	12.93	12.17	13.21	13.08	12.92	13.23	13.14	13.01	12.86	12.84	12.30
26	---	12.84	12.14	13.09	13.05	13.00	13.17	13.14	12.99	12.69	12.71	12.18
27	---	12.69	12.11	12.18	12.68	13.02	13.27	13.19	13.04	12.49	12.46	12.18
28	---	12.65	12.25	12.25	12.62	13.04	13.20	13.11	12.77	12.45	12.18	12.45
29	---	12.67	12.43	12.37	---	13.20	13.07	12.95	12.65	12.42	12.88	12.79
30	---	12.69	12.55	12.33	---	13.08	12.93	12.90	12.63	12.41	13.02	12.74
31	---	---	12.59	12.45	---	12.90	---	12.83	---	12.61	13.02	---
Maximum	---	---	13.12	13.72	13.10	13.20	13.29	---	13.55	13.08	13.02	13.53

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida

[Gage height in feet, water year October 1986 through September 1987. ---, indicates no data]

Maximum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	12.73	13.20	13.68	13.48	12.83	13.16	12.74	12.64	12.64	12.41	12.43	12.79
2	12.69	13.15	13.51	13.09	12.77	12.81	12.79	12.61	12.49	12.31	12.39	12.79
3	12.68	13.34	13.07	13.00	12.49	12.80	12.67	12.58	12.31	12.02	12.51	12.90
4	12.70	13.54	12.96	13.24	12.56	12.82	11.94	12.47	12.28	12.20	12.48	13.20
5	12.75	13.37	13.10	13.70	12.92	12.79	11.62	---	12.45	12.29	12.57	13.29
6	12.88	13.06	13.18	13.57	13.28	12.82	11.81	12.93	12.82	12.44	12.70	13.23
7	13.16	12.92	12.92	13.01	13.10	12.97	11.96	12.64	12.78	12.75	12.86	13.21
8	13.08	12.87	12.64	12.55	13.08	12.80	12.06	12.47	12.76	12.85	13.05	13.23
9	12.88	12.68	12.52	12.78	11.94	12.28	11.96	12.90	12.75	12.92	13.07	12.99
10	12.86	12.69	12.47	12.75	12.60	12.48	12.34	12.80	12.76	13.00	13.06	12.85
11	13.21	12.83	12.64	11.96	12.51	12.96	12.43	12.91	13.13	13.07	12.92	12.83
12	13.13	12.77	12.62	12.06	12.35	12.94	12.34	13.06	13.12	13.09	13.04	12.80
13	13.04	12.86	12.77	12.42	12.52	12.87	12.50	13.06	13.03	13.14	13.17	12.57
14	12.87	13.47	13.23	12.73	12.72	12.98	12.81	13.06	12.83	13.07	13.13	12.55
15	12.88	13.12	13.10	12.64	12.71	12.98	12.80	13.08	12.76	12.85	12.85	12.59
16	12.95	12.92	13.01	12.71	13.13	12.84	12.82	13.07	12.67	12.76	12.62	12.59
17	13.06	12.77	12.94	12.91	13.11	13.25	12.93	12.96	12.56	12.90	12.52	12.50
18	13.08	12.83	12.96	13.09	12.89	13.29	12.85	12.94	12.52	13.02	12.47	12.41
19	13.26	12.84	12.88	12.72	12.78	13.21	12.92	12.70	12.67	12.87	12.54	12.46
20	13.11	13.03	12.96	12.32	12.82	13.18	12.88	12.53	12.59	12.74	12.69	12.69
21	12.96	12.81	13.10	12.54	13.00	13.16	12.75	12.77	12.51	12.66	12.81	12.84
22	12.89	12.76	13.26	12.92	13.18	12.91	12.75	12.94	12.54	12.69	12.78	12.82
23	12.71	12.76	13.19	12.22	12.65	13.17	12.84	12.88	12.59	12.93	12.59	12.85
24	12.55	12.53	12.92	12.37	12.78	13.22	12.80	12.84	12.58	12.93	12.77	12.98
25	12.48	12.45	12.55	12.67	13.02	13.20	12.94	12.84	12.74	12.89	12.76	12.89
26	12.54	12.45	12.57	12.57	13.30	13.11	13.09	12.88	12.66	12.86	12.76	12.87
27	12.61	12.45	12.86	12.84	13.36	13.12	13.24	13.06	12.64	12.69	12.64	12.87
28	12.54	12.80	13.31	12.86	13.33	13.04	13.17	13.08	12.58	12.48	12.48	12.90
29	12.71	13.24	13.37	13.09	---	13.13	13.14	13.09	12.74	12.39	12.33	12.82
30	12.98	13.42	13.26	12.83	---	13.00	13.11	12.96	12.64	12.47	12.50	12.66
31	13.27	---	13.41	12.58	---	12.98	---	12.81	---	12.44	12.62	---
Maximum	13.27	13.54	13.68	13.70	13.36	13.29	13.24	---	13.13	13.14	13.17	13.29

[Gage height in feet, water year October 1987 through September 1988]

Maximum values

1	12.94	12.95	12.76	12.71	12.48	12.67	12.57	13.31	13.03	12.97	12.87	13.01
2	12.78	13.17	12.64	12.67	12.46	12.83	12.59	13.16	13.00	13.24	12.78	12.94
3	12.68	13.32	12.65	13.22	12.46	12.67	12.69	13.10	12.92	13.12	12.89	12.83
4	12.90	13.29	12.20	12.86	12.49	12.52	12.67	12.98	13.09	13.01	12.89	12.62
5	12.94	13.27	12.70	12.70	12.71	12.51	12.67	12.87	13.34	13.02	12.83	12.29
6	12.96	13.56	12.70	12.69	12.58	12.77	12.70	12.82	12.98	13.08	12.69	12.70
7	12.78	13.21	12.84	12.98	12.78	12.83	12.48	12.89	12.70	12.98	12.65	13.54
8	12.79	12.93	12.86	12.70	12.70	12.67	12.64	12.89	12.73	12.75	12.69	13.30
9	12.89	12.85	12.66	12.47	12.63	12.61	12.76	12.94	12.53	12.64	12.77	13.05
10	13.05	12.54	12.48	12.46	12.61	12.51	12.90	12.83	12.83	12.59	12.69	12.95
11	13.04	12.11	12.26	12.62	12.82	12.43	13.07	12.91	13.08	12.69	12.70	13.01
12	12.92	12.61	11.77	12.59	12.65	12.75	12.98	---	13.06	12.55	12.72	13.02
13	13.33	12.66	12.15	12.47	11.61	12.50	13.06	---	12.99	12.50	12.81	13.02
14	13.17	12.71	12.20	12.44	12.53	12.53	13.31	12.92	12.88	12.48	12.97	12.84
15	13.22	12.68	12.28	12.92	12.84	12.49	13.29	12.99	12.86	12.49	12.57	12.85
16	13.21	12.75	11.82	13.00	12.40	12.70	13.40	12.94	12.85	12.39	12.33	13.09
17	13.17	12.81	12.26	12.99	12.76	12.85	13.27	12.88	12.82	12.35	12.36	12.92
18	12.99	12.76	12.65	12.86	12.99	13.02	13.25	12.89	12.70	12.31	12.33	12.78
19	12.97	12.93	12.83	13.01	13.09	12.87	13.05	12.82	12.56	12.16	12.26	12.88
20	13.00	13.03	12.81	12.95	13.03	12.73	12.73	12.64	12.54	12.12	12.31	12.95
21	12.93	12.97	12.78	12.97	13.06	12.49	12.93	12.55	12.51	12.09	12.47	12.96
22	13.35	13.08	12.97	12.70	12.89	12.43	12.58	12.51	12.50	12.10	12.71	13.23
23	13.20	13.13	13.00	12.60	12.86	12.83	12.49	12.30	12.52	12.04	13.00	13.26
24	13.27	13.02	12.97	12.54	12.69	12.52	12.44	12.03	12.56	12.34	12.98	13.13
25	13.19	12.96	12.75	12.69	12.48	12.27	12.35	12.07	12.90	12.63	12.99	13.17
26	13.36	12.91	12.44	12.15	12.41	12.06	12.87	13.07	12.93	12.82	12.97	13.22
27	13.18	12.83	12.29	11.92	12.50	11.74	12.80	12.96	13.12	12.91	13.08	13.61
28	12.98	12.98	12.53	12.30	12.63	12.08	12.55	12.84	13.26	12.96	13.11	13.39
29	12.93	12.88	12.17	12.22	12.79	12.38	12.70	12.81	13.09	12.97	12.89	13.47
30	12.78	12.84	12.79	12.32	---	12.34	13.06	13.00	13.09	13.01	12.86	13.28
31	12.84	---	12.77	12.40	---	12.46	---	13.02	---	12.99	12.98	---
Maximum	13.36	13.56	13.00	13.22	13.09	13.02	13.40	---	13.34	13.24	13.11	13.61

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida

[Gage height in feet, water year October 1988 through September 1989. ---, indicates no data]

Maximum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	13.19	12.96	12.20	12.40	12.16	12.19	12.20	12.69	12.87	13.34	12.63	12.88
2	12.95	12.55	12.09	12.40	12.21	12.80	12.48	12.70	12.83	13.17	12.67	12.81
3	12.93	12.65	12.09	12.58	12.37	12.94	12.62	12.95	12.86	13.12	12.72	12.68
4	12.84	12.74	12.04	12.48	12.48	12.76	12.70	13.15	12.84	12.97	12.88	12.93
5	13.12	12.71	12.85	12.76	12.88	12.80	12.80	13.08	12.88	12.89	12.73	12.79
6	13.28	12.47	12.80	12.86	12.97	12.84	12.76	13.08	12.68	12.77	12.38	12.83
7	13.33	12.30	12.75	12.70	12.93	12.97	12.77	12.96	12.67	12.44	12.41	13.03
8	13.43	12.50	12.76	12.84	12.78	13.35	12.54	12.89	12.57	12.12	12.60	13.18
9	13.27	12.62	12.81	12.89	12.85	13.43	12.61	12.91	12.44	12.05	12.80	13.02
10	13.28	12.78	13.03	13.23	12.84	13.68	12.77	12.56	11.86	12.27	12.86	13.03
11	13.12	12.71	13.03	13.12	12.73	13.61	12.83	12.30	12.07	12.19	12.76	12.99
12	12.92	13.11	13.53	12.96	12.48	13.32	12.91	12.51	12.39	12.30	12.77	13.11
13	13.21	12.98	13.05	12.74	12.51	12.93	12.82	12.32	12.24	12.22	12.83	13.26
14	13.09	12.82	12.81	12.77	12.38	12.74	12.58	12.42	12.26	12.25	12.95	13.16
15	13.03	12.78	12.57	12.77	12.18	12.50	12.56	12.47	12.28	12.59	12.94	13.07
16	12.92	12.86	12.61	12.44	12.26	12.27	12.53	12.52	12.42	12.65	12.93	13.05
17	12.87	12.60	12.75	12.63	12.75	12.49	12.48	12.62	12.53	12.66	12.95	13.06
18	12.88	12.80	12.66	12.71	13.14	12.53	12.56	12.74	12.61	12.80	12.95	13.20
19	12.79	13.02	12.67	12.57	13.05	12.64	12.54	12.78	12.73	12.80	12.90	13.33
20	13.43	12.99	12.74	12.59	12.99	12.88	12.98	12.84	12.74	12.83	12.98	13.10
21	13.17	12.78	12.79	13.05	12.81	12.56	13.05	12.81	12.73	12.85	12.98	13.21
22	13.07	13.17	12.79	13.57	12.64	13.04	13.08	12.68	12.68	12.88	12.83	12.74
23	13.18	13.45	12.99	13.35	12.24	13.10	12.93	12.71	12.64	12.82	12.68	12.70
24	13.24	13.37	12.87	13.09	11.91	13.08	12.60	12.46	12.67	12.74	12.58	13.51
25	13.29	13.13	12.70	12.73	12.29	12.78	12.64	12.54	12.54	12.73	12.73	13.32
26	13.22	13.06	12.84	12.52	12.49	12.65	12.43	12.59	12.74	12.85	12.98	12.92
27	13.22	12.76	12.83	12.32	12.01	12.61	12.39	12.48	12.75	12.76	12.99	13.62
28	13.11	12.21	12.48	12.46	12.08	12.44	12.49	12.76	12.85	12.59	12.92	13.89
29	12.95	12.60	12.23	12.48	---	12.38	12.59	13.10	12.91	12.66	12.93	13.75
30	13.15	12.48	12.34	12.37	---	12.31	12.61	12.94	13.28	12.82	12.85	13.36
31	13.17	---	12.36	11.90	---	12.10	---	12.88	---	12.72	12.89	---
Maximum	13.43	13.45	13.53	13.57	13.14	13.68	13.08	13.15	13.28	13.34	12.99	13.89

Water Year 1989 Maximum 13.89

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued

Station number 022312893, Nassau River near Tisonia

[Gage height in feet, water year October 1985 through September 1986. ---, indicates no data]

Maximum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	13.61	13.51	13.50	12.90	12.99	13.46	13.35	13.83	13.46	13.15	13.09	13.83
2	13.29	13.50	13.13	13.20	12.90	13.26	13.24	13.07	13.45	13.06	13.03	14.00
3	12.89	13.65	13.37	12.99	12.90	12.93	13.20	13.66	13.84	13.40	12.90	13.81
4	9.35	13.14	13.44	12.80	13.07	12.58	13.31	13.59	13.92	13.80	13.09	13.85
5	9.15	13.01	13.37	13.23	13.19	12.98	13.31	13.27	14.09	13.51	13.27	13.73
6	9.25	13.29	12.94	13.30	13.30	13.16	13.19	13.21	13.93	13.49	13.31	13.80
7	9.38	13.31	13.24	13.34	13.27	13.11	13.12	13.24	13.61	13.41	13.24	13.92
8	13.61	13.61	13.43	14.33	13.53	13.44	13.29	13.40	13.38	13.31	13.23	13.88
9	13.79	13.78	13.64	14.00	13.62	13.42	13.48	14.16	13.35	13.29	13.10	13.81
10	---	13.95	13.79	14.04	13.71	13.29	13.50	14.17	13.42	13.13	12.99	13.71
11	---	14.04	13.80	14.44	13.48	13.02	13.32	13.98	13.54	13.03	13.01	13.49
12	---	14.05	13.67	13.90	13.19	13.13	13.37	13.64	13.34	13.07	13.17	13.23
13	---	14.01	13.58	13.29	13.18	13.25	13.41	13.38	13.09	12.79	13.28	13.44
14	---	13.91	12.84	13.29	13.19	13.02	13.47	13.53	12.99	12.71	13.06	13.92
15	---	13.85	13.60	13.15	12.87	12.89	13.37	13.48	13.15	13.05	13.49	13.76
16	---	13.74	13.47	13.18	13.01	12.84	12.99	13.38	13.19	13.21	13.74	13.83
17	---	13.58	13.24	13.02	13.00	12.91	13.06	13.27	13.33	13.36	13.65	14.36
18	---	13.44	12.94	12.73	12.87	12.80	13.05	13.19	13.55	13.49	13.61	14.35
19	---	13.44	12.78	13.06	12.89	12.72	13.34	13.27	13.98	13.62	13.66	13.81
20	---	13.21	12.84	12.62	13.14	12.16	13.55	13.44	14.06	13.86	13.60	13.62
21	---	13.19	12.63	12.59	13.47	12.87	13.45	13.77	14.37	13.81	13.59	13.35
22	---	12.99	12.90	12.99	13.38	13.52	13.57	13.98	14.39	13.68	13.34	13.31
23	---	13.16	12.74	13.06	13.62	13.44	13.95	14.07	14.38	13.70	13.31	13.40
24	---	13.58	12.69	13.87	13.77	13.28	14.07	13.93	14.05	13.62	13.39	13.17
25	---	13.58	12.64	13.89	13.76	13.59	13.95	13.91	13.74	13.55	13.49	12.78
26	14.30	13.48	12.60	13.76	13.71	13.71	13.99	13.93	13.74	13.32	13.33	12.66
27	14.31	13.31	12.59	12.71	13.11	13.78	14.04	13.97	13.76	13.05	13.00	12.67
28	14.35	13.20	12.73	12.81	13.22	13.94	13.96	13.84	13.40	---	12.67	12.96
29	14.75	13.20	12.94	12.90	---	13.93	13.77	13.64	13.25	12.97	13.50	13.40
30	14.61	13.23	13.10	12.92	---	13.77	13.62	13.58	13.23	12.94	13.63	13.35
31	14.11	---	13.13	12.99	---	13.56	---	13.47	---	13.20	13.65	---
Maximum	---	14.05	13.80	14.44	13.77	13.94	14.07	14.17	14.39	---	13.74	14.36

[Gage height in feet, water year October 1986 through September 1987]

Maximum values

1	13.35	13.91	14.52	14.19	13.51	13.60	13.39	13.17	13.22	12.95	12.98	13.36
2	13.31	13.88	14.29	13.79	13.43	13.43	13.41	13.21	13.03	12.82	12.92	13.37
3	13.29	14.10	13.79	13.69	13.06	13.44	13.23	13.16	12.82	12.50	13.07	13.54
4	13.32	14.34	13.68	13.96	13.15	13.43	12.39	13.00	12.78	12.71	13.05	13.88
5	13.41	14.14	13.87	14.43	13.57	13.41	12.06	13.27	12.99	12.80	13.18	13.99
6	13.57	13.76	13.91	14.21	13.94	13.45	12.26	13.52	13.46	13.01	13.35	13.94
7	13.88	13.62	13.56	13.57	13.69	13.59	12.39	13.17	13.39	13.40	13.57	13.93
8	13.79	13.54	13.20	13.05	13.68	13.33	12.53	12.96	13.40	13.54	13.82	13.66
9	13.53	13.30	13.05	13.39	12.31	12.71	12.43	13.55	13.41	13.64	13.80	13.60
10	13.52	13.31	13.02	13.36	13.14	13.02	12.87	13.42	13.46	13.77	13.61	13.51
11	13.88	13.47	13.22	12.45	13.04	13.58	13.00	13.57	13.93	13.88	13.58	13.48
12	13.72	13.40	13.19	12.56	12.86	13.57	12.92	13.79	13.78	13.86	13.76	13.41
13	13.70	13.50	13.34	13.00	13.11	13.51	13.11	13.81	13.72	13.93	13.84	13.14
14	13.50	14.23	13.93	13.38	13.33	13.62	13.49	13.81	13.55	13.83	13.79	13.12
15	13.54	13.81	13.75	13.24	13.38	13.62	13.50	13.80	13.45	13.51	13.45	13.16
16	13.61	13.57	13.62	13.33	13.82	13.47	13.64	13.82	13.32	13.39	13.17	13.14
17	13.76	13.40	13.54	13.57	13.78	14.02	13.65	13.69	13.18	13.60	13.08	13.02
18	13.78	13.45	13.59	13.73	13.52	14.00	13.53	13.65	13.11	13.68	13.01	12.93
19	13.98	13.77	13.49	13.26	13.41	13.93	13.61	13.34	13.29	13.50	13.09	13.01
20	13.80	13.69	13.59	12.84	13.46	13.90	13.56	13.11	13.20	13.35	13.28	13.31
21	13.61	13.43	13.76	13.09	13.65	13.87	13.37	13.42	13.09	13.26	13.42	13.45
22	13.52	13.35	13.91	13.54	13.84	13.57	13.37	13.60	13.13	13.31	13.39	13.44
23	13.30	13.36	13.75	12.68	13.17	13.88	13.47	13.52	13.19	13.59	13.16	13.49
24	13.08	13.07	13.46	12.87	13.38	13.92	13.45	13.50	13.18	13.59	13.41	13.62
25	13.01	12.97	13.03	13.27	13.71	13.90	13.63	13.51	13.38	13.54	13.37	13.53
26	13.07	12.99	13.12	13.13	14.04	13.81	13.79	13.56	13.27	13.37	13.31	13.51
27	13.17	12.99	13.49	13.51	14.12	13.81	13.99	13.80	13.19	13.25	13.21	13.51
28	13.07	13.43	14.03	13.54	14.07	13.70	13.93	13.78	13.27	13.05	13.02	13.55
29	13.31	13.98	14.13	13.86	---	13.83	13.81	13.77	13.38	12.96	12.87	13.43
30	13.64	14.18	13.93	13.49	---	13.62	13.65	13.61	13.24	13.01	13.05	13.24
31	13.99	---	14.15	13.29	---	13.38	---	13.44	---	12.98	13.17	---
Maximum	13.99	14.34	14.52	14.43	14.12	14.02	13.99	13.82	13.93	13.93	13.84	13.99

Water year 1987 Maximum 14.52

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued

Station number 022312893, Nassau River near Tisonia

[Daily gage height in feet, water year October 1987 through September 1988. ---, indicates no data]

Maximum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	13.59	13.61	13.37	13.31	13.04	13.25	13.13	13.87	13.68	13.88	13.54	13.65
2	13.40	13.85	13.23	13.26	13.01	13.45	13.16	13.69	13.66	13.97	13.38	13.51
3	13.30	14.01	13.28	13.90	13.01	13.27	13.29	13.49	13.60	13.83	13.53	13.36
4	13.57	14.00	12.73	13.47	13.05	13.06	13.29	13.35	13.80	13.67	13.53	13.11
5	13.62	13.97	13.34	13.29	13.36	13.07	13.30	13.31	14.05	13.66	13.45	12.70
6	13.62	14.34	13.31	13.27	13.13	13.46	13.32	13.30	13.61	13.74	13.25	13.16
7	13.41	13.91	13.46	13.61	13.39	13.45	13.03	13.40	13.25	13.62	13.22	14.19
8	13.45	13.56	13.48	13.22	13.27	13.24	13.25	13.38	13.34	13.34	13.26	13.79
9	13.57	13.44	13.23	12.96	13.17	13.19	13.35	13.43	13.08	13.21	13.36	13.53
10	13.73	13.06	13.00	12.97	13.16	13.05	13.47	13.28	13.46	13.15	13.25	13.45
11	13.70	12.57	12.75	13.15	13.40	12.95	13.57	13.41	13.77	13.23	13.29	13.55
12	13.55	13.16	12.23	13.09	13.19	13.34	13.47	13.55	13.76	13.10	13.30	13.57
13	14.00	13.22	12.63	12.95	12.08	13.02	13.62	13.54	13.67	13.04	13.50	13.56
14	13.79	13.27	12.66	12.95	13.13	13.11	13.91	13.61	13.52	13.04	13.54	13.37
15	13.83	13.22	12.72	13.55	13.51	13.06	13.92	13.69	13.48	12.92	13.05	13.41
16	13.81	13.31	12.28	13.68	12.99	13.37	14.04	13.54	13.49	12.90	12.75	13.69
17	13.78	13.38	12.79	13.67	13.42	13.55	13.86	13.53	13.43	12.86	12.82	13.47
18	13.58	13.33	13.27	13.51	13.70	13.76	13.62	13.53	13.28	12.77	12.78	13.30
19	13.57	13.57	13.49	13.72	13.78	13.41	13.43	13.45	13.09	12.61	12.72	13.45
20	13.61	13.71	13.46	13.63	13.65	13.14	13.25	13.20	13.06	12.57	12.77	13.53
21	13.55	13.69	13.43	13.64	13.66	13.11	13.43	13.06	13.02	12.52	12.98	13.55
22	14.10	13.79	13.70	13.30	13.43	13.02	12.97	13.02	13.00	12.53	13.28	13.93
23	13.90	13.85	13.72	13.18	13.37	13.49	12.89	12.76	13.02	12.48	13.63	13.96
24	13.98	13.72	13.64	13.09	13.21	13.08	12.81	12.43	13.06	12.87	13.64	13.81
25	13.91	13.62	13.36	13.27	12.94	12.77	12.69	12.49	13.52	13.20	13.66	13.82
26	14.07	13.57	12.96	12.57	12.90	12.51	13.31	13.71	13.57	13.45	13.66	14.00
27	13.84	13.47	12.80	12.40	13.03	12.17	13.22	13.57	13.81	13.59	13.79	14.39
28	13.64	13.61	13.08	12.83	13.19	12.55	12.93	13.44	13.96	13.65	13.64	14.12
29	13.56	13.47	12.67	12.73	13.39	12.89	13.15	13.44	13.79	13.71	13.48	14.18
30	13.39	13.45	13.44	12.84	---	12.84	13.57	13.68	13.61	13.65	13.48	13.93
31	13.45	---	13.39	12.94	---	12.99	---	13.72	---	13.68	13.63	---
Maximum	14.10	14.34	13.72	13.90	13.78	13.76	14.04	13.87	14.05	13.97	13.79	14.39

Calendar year 1987 Maximum 14.43
Water year 1988 Maximum 14.39

[Gage height in feet, water year October 1988 through September 1989.]

Maximum values

1	13.80	13.54	12.61	12.86	12.62	12.64	12.67	13.28	13.57	14.11	13.18	13.37
2	13.54	13.02	12.50	12.88	12.68	13.39	13.01	13.33	13.54	13.92	13.33	13.35
3	13.45	13.17	12.51	13.11	12.89	13.58	13.19	13.67	13.60	13.65	13.47	13.19
4	13.39	13.27	12.45	12.99	13.03	13.35	13.34	13.92	13.60	13.58	13.52	13.52
5	13.71	13.20	13.46	13.38	13.57	13.43	13.49	13.85	13.52	13.57	13.30	13.32
6	13.91	12.95	13.40	13.50	13.69	13.48	13.45	13.70	13.33	13.36	12.86	13.38
7	13.96	12.79	13.34	13.32	13.61	13.68	13.27	13.61	13.28	12.95	12.88	13.58
8	14.08	13.02	13.35	13.50	---	14.14	13.15	13.60	13.16	12.59	13.12	13.78
9	13.89	13.17	13.42	13.54	---	14.45	13.24	13.59	12.99	12.50	13.36	13.56
10	13.89	13.39	13.72	13.96	13.48	14.52	13.43	13.14	12.33	12.71	13.45	13.61
11	13.73	13.28	13.78	13.83	13.35	14.42	13.50	12.80	12.52	12.66	13.33	13.57
12	13.49	13.79	14.36	13.60	13.02	14.05	13.55	13.06	12.89	12.79	13.34	13.77
13	13.90	13.59	13.75	13.32	13.04	13.56	13.41	12.81	12.75	12.71	13.43	13.96
14	13.71	13.43	13.45	13.43	12.89	13.32	13.11	12.92	12.76	12.75	13.61	13.83
15	13.64	13.38	13.13	13.36	12.64	13.02	13.07	12.97	12.78	13.17	13.61	13.71
16	13.51	13.45	13.21	12.94	12.77	12.74	13.05	13.05	12.95	13.24	13.59	13.71
17	13.44	13.15	13.38	13.22	13.40	13.02	12.97	13.20	13.11	13.27	13.64	13.72
18	13.47	13.40	13.28	13.32	13.82	13.07	13.11	13.35	13.22	13.47	13.54	13.91
19	13.34	13.68	13.31	13.14	13.72	13.23	13.10	13.43	13.38	13.51	13.56	14.05
20	14.13	13.65	13.38	13.19	13.65	13.49	13.66	13.47	13.37	13.47	13.66	13.76
21	13.80	13.40	13.43	13.81	13.39	13.07	13.77	13.28	13.37	13.54	13.64	13.91
22	13.73	13.90	13.45	14.40	13.17	13.72	13.58	13.30	13.29	13.51	13.46	13.28
23	13.88	14.20	13.69	14.06	12.43	13.76	13.48	13.34	13.26	13.42	13.26	13.25
24	13.97	14.09	13.49	13.74	12.61	13.53	13.17	13.00	13.27	13.33	13.16	14.25
25	14.02	13.81	13.27	13.32	12.78	13.32	13.21	13.13	13.09	13.33	13.33	13.94
26	13.94	13.67	13.48	13.06	13.00	13.20	12.95	13.18	13.37	13.50	13.64	13.45
27	13.94	13.34	13.44	12.81	12.44	13.15	12.92	13.03	13.38	13.37	13.65	14.37
28	13.79	12.63	12.96	12.95	12.51	12.94	13.01	13.39	13.49	13.17	13.57	14.50
29	13.58	13.15	12.68	12.95	---	12.86	13.15	13.78	13.58	13.28	13.60	14.08
30	13.83	12.96	12.80	12.84	---	12.78	13.16	13.62	14.07	13.49	13.47	13.73
31	13.81	---	12.80	12.31	---	12.54	---	13.55	---	13.34	13.45	---
Maximum	14.13	14.20	14.36	14.40	---	14.52	13.77	13.92	14.07	14.11	13.66	14.50

Calendar Year 1988 Maximum 14.39

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida

[Gage height in feet, water year October 1982 through September 1983. ---, indicates no data]

Minimum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	---	---	---	---	---	7.69	8.10	7.69	---	8.47
2	---	---	---	---	---	---	---	7.86	9.07	7.67	---	9.61
3	---	---	---	---	---	---	---	7.70	8.83	7.31	---	9.53
4	---	---	---	---	---	---	---	7.57	8.13	6.89	---	9.00
5	---	---	---	---	---	---	---	7.90	7.98	6.90	---	9.04
6	---	---	---	---	---	---	---	7.76	7.82	6.95	---	9.10
7	---	---	---	---	---	---	---	8.11	7.87	7.28	---	9.33
8	---	---	---	---	---	---	---	7.80	7.93	8.76	---	9.54
9	---	---	---	---	---	---	---	7.68	9.15	8.27	---	9.74
10	---	---	---	---	---	---	---	8.52	8.89	7.35	---	9.74
11	---	---	---	---	---	---	---	8.21	9.24	7.42	---	9.52
12	---	---	---	---	---	---	---	7.76	8.98	7.40	---	9.02
13	---	---	---	---	---	---	---	7.70	8.52	7.43	---	8.88
14	---	---	---	---	---	---	---	7.40	8.06	8.81	---	8.25
15	---	---	---	---	---	---	---	7.22	7.72	---	---	9.05
16	---	---	---	---	---	---	---	7.06	8.29	---	---	11.13
17	---	---	---	---	---	---	---	8.08	8.21	---	---	10.44
18	---	---	---	---	---	---	---	9.20	7.92	---	---	9.81
19	---	---	---	---	---	---	8.60	8.70	7.86	---	---	9.48
20	---	---	---	---	---	---	8.41	8.36	7.65	---	---	9.66
21	---	---	---	---	---	---	8.21	7.99	7.80	---	---	9.37
22	---	---	---	---	---	---	8.06	7.84	7.67	---	---	9.18
23	---	---	---	---	---	---	8.43	7.57	8.24	---	---	10.19
24	---	---	---	---	---	---	7.19	7.48	7.93	---	---	10.79
25	---	---	---	---	---	---	7.28	7.92	7.33	---	---	11.58
26	---	---	---	---	---	---	7.74	7.96	7.15	---	---	11.10
27	---	---	---	---	---	---	7.64	7.89	7.45	---	---	11.06
28	---	---	---	---	---	---	7.52	8.26	7.12	---	---	10.79
29	---	---	---	---	---	---	7.47	8.34	7.27	---	---	11.27
30	---	---	---	---	---	---	7.64	7.93	7.27	---	---	10.57
31	---	---	---	---	---	---	---	8.01	---	---	---	---
Minimum	---	---	---	---	---	---	---	7.06	7.12	---	---	8.25

[Gage height in feet, water year October 1983 through September 1984]

Minimum values

1	10.34	10.22	8.09	8.85	7.64	6.84	9.00	7.71	8.60	7.33	8.51	7.59
2	9.68	10.51	7.86	8.83	8.11	7.64	9.17	7.78	7.86	7.93	8.12	7.99
3	9.19	9.99	7.89	8.44	8.56	7.96	9.00	7.52	7.85	7.96	7.57	7.96
4	9.33	9.46	7.57	8.35	8.64	8.33	8.01	7.20	8.26	8.15	7.28	7.75
5	9.39	9.02	7.41	7.45	8.09	8.76	7.65	7.83	8.58	8.01	7.31	8.17
6	9.30	9.97	7.83	7.48	7.36	8.49	7.70	7.67	8.59	7.88	7.46	9.17
7	9.59	9.54	6.86	6.93	7.93	8.27	8.14	7.64	8.48	7.78	7.51	10.49
8	10.95	10.30	7.27	7.80	8.91	8.53	8.70	7.38	8.02	7.27	7.52	10.74
9	10.46	10.59	7.39	7.61	8.58	7.90	9.00	7.69	7.74	8.20	7.46	11.45
10	10.45	9.72	7.38	7.72	8.21	8.72	9.09	7.94	7.65	8.01	7.70	9.93
11	11.37	8.41	7.60	7.33	8.24	8.50	10.07	7.98	7.59	7.61	7.92	9.47
12	10.37	8.73	7.59	8.61	8.51	8.64	9.90	7.93	7.63	7.43	7.93	8.67
13	9.78	9.08	7.89	8.82	8.58	8.47	9.69	7.32	8.04	7.43	7.97	8.12
14	9.59	9.22	6.99	8.55	8.58	8.39	9.29	6.94	8.02	7.47	7.84	7.80
15	10.12	8.81	6.93	7.97	8.34	8.09	9.00	7.63	7.89	7.80	7.85	7.95
16	10.29	8.25	6.74	8.39	8.36	8.24	8.38	8.25	7.98	7.87	7.98	8.20
17	10.34	8.05	6.87	7.79	8.30	8.00	7.66	8.39	8.18	7.58	8.31	10.91
18	9.80	8.38	7.65	7.52	8.23	9.27	7.50	8.44	8.21	6.84	8.53	11.40
19	9.99	8.35	7.84	9.19	8.70	9.00	7.90	7.78	7.89	6.95	8.22	10.58
20	10.32	8.69	8.05	9.11	8.73	9.28	8.10	7.73	8.13	7.66	7.94	9.94
21	10.75	8.13	9.20	10.60	8.85	7.98	8.40	7.87	8.67	7.99	8.34	9.65
22	11.37	8.23	8.80	10.78	9.69	7.82	8.74	8.28	9.16	7.94	8.81	9.22
23	10.06	8.41	8.04	9.70	7.90	8.02	8.38	8.33	9.12	8.22	7.69	9.05
24	9.91	8.55	6.48	8.80	7.67	8.73	7.50	8.07	8.90	7.84	7.33	9.17
25	9.22	7.49	7.40	8.27	7.68	8.29	8.26	8.91	8.45	7.66	7.98	9.17
26	9.69	8.19	8.05	8.59	7.69	8.29	8.20	8.04	8.37	7.37	8.38	9.10
27	9.62	8.77	7.91	8.61	8.81	8.56	8.40	7.81	8.16	7.35	8.87	9.05
28	9.45	8.37	7.55	8.34	6.55	8.50	8.15	7.95	7.74	7.25	9.23	11.23
29	8.59	7.96	7.34	7.89	6.00	6.29	8.57	7.67	7.33	7.90	8.91	9.28
30	8.63	7.83	7.31	7.46	---	7.87	8.49	7.82	7.02	8.81	8.51	9.75
31	10.08	---	8.98	7.27	---	8.60	---	8.87	---	8.69	7.70	---
Minimum	8.59	7.49	6.48	6.93	6.00	6.29	7.50	6.94	7.02	6.84	7.28	7.59

Water year 1984 Minimum 6.00

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida

[Gage height in feet, water year October 1984 through September 1985. ---, indicates no data]

Minimum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	9.29	10.01	---	8.69	7.67	8.60	7.51	8.55	7.46	7.43	8.08	---
2	9.48	9.77	---	8.59	7.59	8.26	7.31	8.06	7.52	7.52	8.39	---
3	9.31	9.94	---	8.35	7.29	7.93	7.47	7.84	7.73	7.54	10.13	---
4	8.98	11.02	9.11	8.25	8.47	8.46	7.64	9.69	8.12	7.85	10.35	---
5	8.70	10.14	9.15	7.48	9.42	7.97	7.77	9.08	8.08	8.08	10.01	---
6	9.12	9.31	8.55	7.96	8.63	7.35	7.53	8.31	8.04	8.01	9.84	---
7	9.64	9.35	7.66	8.09	8.02	9.45	7.66	7.83	8.29	7.89	9.40	---
8	10.04	9.91	7.98	7.59	7.90	8.46	8.02	8.38	8.56	7.67	9.06	---
9	10.27	9.71	7.67	8.31	8.26	7.77	7.65	8.86	8.35	8.00	8.65	---
10	10.70	9.34	7.67	9.19	8.34	8.18	8.14	8.75	8.16	8.16	8.87	---
11	11.09	8.68	7.70	8.84	8.42	8.07	7.98	8.90	7.91	7.90	8.92	7.94
12	10.60	8.45	8.25	8.38	6.17	7.28	8.08	8.97	7.37	8.26	8.92	8.58
13	9.79	8.88	8.50	8.60	6.68	7.73	8.77	8.78	7.46	8.42	8.63	10.14
14	9.59	8.84	8.41	7.31	6.92	7.52	9.19	8.67	8.36	8.06	8.45	11.22
15	9.69	8.94	8.59	7.70	7.47	8.01	8.57	8.55	7.79	7.94	8.15	11.55
16	9.81	8.76	8.68	7.67	7.51	8.76	7.92	8.74	7.12	8.08	8.11	11.56
17	9.34	8.65	8.83	8.25	7.54	8.54	7.80	8.30	7.31	8.51	8.17	11.29
18	8.81	9.23	8.58	7.27	7.34	8.13	8.16	8.56	7.15	9.08	8.33	10.92
19	8.63	8.49	8.45	7.37	7.69	8.21	7.86	8.46	6.99	9.39	8.69	10.76
20	8.75	7.98	8.43	7.45	7.62	8.06	7.69	8.96	7.48	8.88	9.08	10.58
21	8.88	9.93	8.40	7.20	8.65	8.13	7.60	8.21	7.89	8.74	8.80	10.11
22	9.03	10.85	8.48	6.88	7.87	8.58	7.89	8.33	8.24	8.62	8.34	9.95
23	9.14	11.49	8.03	7.15	7.75	8.61	7.88	8.18	8.28	8.23	8.86	9.88
24	9.23	11.34	8.80	7.31	7.84	7.69	7.98	8.00	8.39	8.92	8.94	9.75
25	9.44	10.22	8.77	7.15	7.66	8.14	8.09	8.78	8.41	7.48	8.41	---
26	10.09	9.25	8.52	6.73	7.63	8.57	8.08	8.96	7.96	7.77	8.07	---
27	9.95	8.95	9.15	7.96	7.59	8.33	8.06	8.68	7.86	7.78	8.61	---
28	9.27	8.85	8.70	8.17	8.26	7.79	7.89	8.24	8.74	7.82	9.05	---
29	8.79	---	8.35	8.66	---	7.57	8.08	7.61	8.45	7.96	---	---
30	8.91	---	8.19	8.69	---	7.71	9.28	7.93	7.80	8.00	---	---
31	9.27	---	8.54	7.81	---	7.56	---	8.34	---	8.09	---	---
Minimum	8.63	---	---	6.73	6.17	7.28	7.31	7.61	6.99	7.43	---	---

[Gage height in feet, water year October 1985 through September 1986]

Minimum values

1	---	---	8.55	7.78	7.63	7.98	7.97	8.71	8.97	8.08	8.10	9.55
2	---	---	8.78	8.45	7.31	7.73	8.08	8.05	8.56	7.83	7.99	9.81
3	---	---	8.43	7.83	7.32	6.86	8.35	8.16	8.98	7.90	7.58	9.46
4	---	---	9.02	8.08	7.55	7.62	8.23	9.42	9.85	9.08	7.66	9.51
5	---	---	9.00	7.72	7.42	8.04	8.25	7.73	9.85	9.04	7.86	9.47
6	---	---	8.43	7.71	7.49	7.93	8.09	7.79	9.89	8.53	7.94	9.56
7	---	---	8.82	7.62	7.39	7.32	7.52	9.39	8.87	8.22	7.84	9.97
8	---	---	8.40	7.89	7.47	7.28	7.69	10.19	8.40	7.98	7.74	9.77
9	---	---	8.27	9.45	8.23	8.26	7.81	9.31	8.29	7.72	7.62	9.51
10	---	---	8.12	8.42	8.87	7.94	8.52	8.53	8.75	7.67	7.68	9.07
11	---	---	7.98	9.95	8.69	7.47	8.23	9.10	8.77	7.84	7.57	8.51
12	---	---	7.88	9.85	8.35	7.53	8.36	9.02	8.26	7.92	7.69	7.89
13	---	---	7.53	8.47	8.39	7.81	8.89	8.96	8.16	7.53	7.88	7.70
14	---	---	7.56	8.27	8.63	7.41	8.79	8.70	8.19	7.30	7.34	8.83
15	---	---	8.09	7.61	7.93	7.74	8.91	8.36	8.47	7.24	7.45	8.77
16	---	---	8.61	8.54	8.68	8.22	8.33	8.64	8.27	7.46	8.06	8.76
17	---	---	8.46	8.14	8.66	8.24	8.60	---	7.92	7.37	8.00	9.34
18	---	---	7.99	8.21	8.34	8.66	9.02	---	7.78	7.11	7.64	10.09
19	---	---	8.09	7.67	8.41	7.58	9.45	---	8.64	7.21	8.13	9.51
20	---	---	7.76	7.38	8.34	8.01	9.51	8.12	8.34	7.68	8.30	9.09
21	---	9.07	7.76	7.26	8.85	8.50	8.70	8.10	8.50	7.67	8.10	8.57
22	---	7.78	7.71	7.87	8.46	9.16	8.50	8.34	9.48	8.74	8.11	8.39
23	---	7.40	7.81	7.77	8.14	8.94	8.86	8.26	8.83	8.14	8.29	8.67
24	---	8.84	7.26	8.83	9.02	8.20	8.62	7.98	8.32	8.54	8.62	8.72
25	---	9.05	7.18	9.64	8.66	8.09	8.35	8.00	8.35	8.72	8.71	8.16
26	---	8.68	6.69	8.75	9.02	8.48	8.16	8.54	9.06	8.29	8.99	8.03
27	---	8.19	6.79	6.45	7.18	8.29	8.57	8.88	9.18	7.91	8.41	8.03
28	---	7.96	6.87	6.55	8.00	8.53	8.71	8.95	8.65	7.85	7.90	8.16
29	---	7.93	7.26	7.22	---	8.70	8.54	8.84	8.21	7.81	8.39	8.82
30	---	8.16	7.33	6.84	---	8.31	8.63	9.03	7.97	7.83	9.89	8.63
31	---	---	7.76	7.82	---	8.03	---	9.01	---	8.19	9.49	---
Minimum	---	---	6.69	6.45	7.18	6.86	7.52	---	7.78	7.11	7.34	7.70

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida

[Gage height in feet, water year October 1986 through September 1987. ---, indicates no data]

Minimum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	8.40	9.60	9.67	9.85	8.00	8.58	7.85	8.02	8.39	8.13	8.04	8.24
2	8.18	9.01	9.59	8.64	7.79	8.25	8.25	8.43	8.23	7.95	7.71	8.15
3	8.22	8.88	8.56	8.21	8.04	8.49	7.56	8.33	7.99	7.60	7.79	8.38
4	8.09	9.71	7.91	9.09	8.55	8.55	6.87	8.29	8.17	7.51	7.34	8.65
5	7.91	9.56	8.34	11.66	10.16	9.08	7.39	---	8.60	7.37	7.09	9.17
6	7.77	8.80	9.84	10.29	10.06	9.53	8.24	9.32	9.07	7.36	7.14	8.96
7	8.93	8.43	9.20	8.64	10.03	10.20	7.97	9.04	8.94	7.53	7.19	9.13
8	8.91	8.68	8.52	8.66	9.19	8.34	7.77	8.54	8.20	7.58	7.51	8.85
9	8.65	8.59	8.16	8.61	8.09	7.78	7.62	8.79	7.53	7.49	8.06	8.58
10	8.35	8.43	8.13	8.58	8.19	7.78	7.74	8.64	7.09	7.58	7.97	8.23
11	9.09	9.14	8.10	7.58	8.09	9.65	7.88	8.22	7.62	7.73	8.52	8.27
12	9.91	8.90	8.03	7.11	7.70	9.38	7.18	8.30	7.92	7.93	8.87	8.17
13	9.32	8.47	7.55	7.00	7.34	9.06	7.01	8.25	7.36	8.44	9.52	7.91
14	8.75	10.13	9.74	8.03	8.23	9.13	7.43	8.14	7.39	8.32	9.75	7.99
15	8.85	9.76	9.38	7.90	8.17	9.22	7.70	8.20	7.45	8.32	9.06	8.25
16	9.04	9.12	9.13	8.10	9.19	8.51	7.91	8.07	7.71	8.18	8.30	8.54
17	9.43	8.42	8.90	8.50	9.30	8.98	7.87	8.28	7.61	8.61	7.99	8.33
18	9.29	8.36	8.95	9.62	8.87	9.53	8.38	8.08	7.67	9.37	8.06	7.92
19	10.20	8.57	8.61	7.84	8.80	9.12	8.55	7.87	7.91	8.96	8.10	7.75
20	9.75	9.74	9.12	7.95	9.25	9.48	8.55	7.77	7.78	8.55	8.18	8.18
21	9.31	8.97	9.44	8.50	9.60	8.61	8.46	8.15	7.47	8.24	8.52	8.78
22	9.31	9.13	10.68	7.79	9.20	9.22	8.68	9.10	7.46	8.15	8.53	8.87
23	9.10	9.40	10.48	7.17	8.21	9.44	8.60	8.74	7.65	8.43	7.99	8.81
24	8.85	8.78	8.80	7.65	7.84	9.85	8.35	8.18	7.50	8.78	7.98	9.03
25	8.94	8.64	8.23	7.58	8.28	9.58	8.54	8.00	8.09	8.77	8.72	8.92
26	9.03	8.51	8.35	7.47	9.14	9.19	8.92	8.14	8.14	8.42	8.54	8.71
27	9.18	8.32	8.29	7.61	9.57	9.19	9.16	8.85	7.63	7.92	8.28	8.54
28	8.78	8.13	9.30	7.85	9.72	9.10	8.47	9.13	8.31	7.70	8.01	8.70
29	8.71	9.35	9.10	7.87	---	8.96	9.05	8.94	8.45	7.82	7.59	8.62
30	8.96	9.47	8.94	7.89	---	8.92	8.03	8.76	8.23	8.36	7.61	8.10
31	9.76	---	8.14	6.69	---	7.04	---	8.46	---	8.16	8.09	---
Minimum	7.77	8.13	7.55	6.69	7.34	7.04	6.87	---	7.09	7.36	7.09	7.75

[Gage height in feet, water year October 1987 through September 1988]

Minimum values

1	8.58	8.98	8.25	7.92	7.53	8.45	7.94	9.39	8.19	8.49	8.15	8.68
2	8.29	9.37	7.75	7.73	7.60	8.80	7.90	9.05	7.87	8.63	7.96	8.70
3	7.80	9.99	7.54	9.40	7.53	8.35	7.84	8.29	8.18	8.68	8.07	8.43
4	8.58	9.63	6.92	8.79	7.64	7.87	7.65	7.95	10.09	8.99	8.36	8.23
5	8.56	9.48	7.42	7.93	7.76	7.46	7.78	7.51	9.12	9.28	8.22	7.91
6	8.72	8.89	7.80	8.10	8.56	8.29	7.72	7.87	8.51	9.81	8.00	7.89
7	8.09	9.69	8.11	9.18	9.04	8.29	7.50	8.46	8.25	9.24	7.78	9.29
8	7.66	8.82	8.63	8.75	8.63	8.06	8.68	8.60	7.97	8.23	7.94	10.27
9	8.17	8.63	8.52	8.52	8.84	7.87	9.03	8.69	7.49	7.65	8.31	9.54
10	8.79	8.50	8.31	8.66	9.19	7.02	9.03	8.43	7.13	7.40	8.07	9.16
11	9.10	7.94	7.93	9.10	8.94	8.64	9.41	8.21	8.69	7.55	7.89	9.32
12	8.96	8.97	7.81	8.54	6.61	7.99	8.69	---	8.36	7.24	8.37	9.50
13	10.56	9.02	8.17	7.74	6.66	7.49	8.25	---	8.31	7.40	8.57	9.25
14	10.85	9.33	8.34	8.06	7.10	7.18	8.96	7.70	8.05	7.47	8.39	8.90
15	10.91	9.43	7.48	8.98	7.48	7.00	8.83	7.93	8.08	7.60	8.14	8.84
16	10.56	9.41	7.41	8.79	6.72	7.19	8.93	7.78	8.34	7.70	7.90	9.35
17	10.61	9.28	6.84	8.24	6.99	7.61	8.57	7.91	8.36	7.66	7.99	9.48
18	9.91	8.95	7.53	7.54	7.49	8.09	8.03	8.11	8.27	7.72	8.01	8.59
19	9.80	8.40	7.91	7.66	8.79	7.23	7.22	8.13	8.45	7.84	7.71	8.77
20	9.64	8.76	7.56	7.85	9.07	6.95	8.44	8.06	8.63	7.86	7.69	8.76
21	9.25	7.89	7.27	7.70	8.64	6.86	8.17	8.22	8.65	7.71	7.63	8.41
22	9.02	8.28	7.53	7.83	8.66	7.42	8.18	8.28	8.60	7.43	7.92	8.73
23	9.52	8.63	7.93	7.70	8.47	8.01	8.34	8.07	8.34	7.41	8.70	9.19
24	9.56	8.31	8.27	7.76	8.03	7.73	7.99	7.72	8.22	7.20	8.23	8.85
25	9.27	8.41	8.11	7.88	8.15	7.81	8.20	7.33	8.64	7.53	8.05	8.54
26	9.43	8.46	7.62	6.70	8.53	7.53	9.12	8.11	8.73	7.70	7.82	8.99
27	9.61	8.52	7.65	7.32	8.31	7.65	9.02	9.57	8.37	7.63	7.97	9.97
28	8.70	9.12	7.85	7.54	7.62	7.64	8.18	8.50	9.30	7.60	8.59	9.60
29	8.84	9.33	7.34	7.29	9.08	8.15	8.02	7.84	8.41	7.69	8.15	9.78
30	8.53	8.96	7.56	7.42	---	8.02	7.91	8.17	7.68	7.98	7.96	9.79
31	8.55	---	8.25	7.48	---	7.84	---	8.22	---	8.11	8.30	---
Minimum	7.66	7.89	6.84	6.70	6.61	6.86	7.22	---	7.13	7.20	7.63	7.89

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued
Station number 02231289, Nassau River near Hedges, Florida

[Gage height in feet, water year October 1988 through September 1989. ---, indicates no data]
Minimum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	9.61	9.91	8.15	8.12	7.84	8.77	7.29	8.07	7.62	9.44	7.41	9.04
2	9.15	9.19	8.12	8.52	7.66	9.34	7.80	7.37	7.23	8.80	7.95	8.76
3	9.32	8.83	8.10	8.19	7.32	9.11	7.89	7.72	7.25	8.31	8.51	8.51
4	9.10	9.24	7.71	7.61	7.12	8.53	7.67	8.27	7.48	8.10	8.81	9.08
5	9.85	8.60	8.64	7.88	7.63	8.05	7.42	8.06	7.36	8.75	8.37	9.30
6	10.27	8.05	8.70	8.13	8.08	7.89	6.94	7.63	7.30	7.93	7.98	9.20
7	10.91	7.41	8.12	7.45	8.08	7.83	6.40	7.65	7.71	7.69	8.27	9.52
8	10.99	7.52	7.88	7.63	7.91	9.16	7.02	8.23	7.87	7.33	8.46	10.22
9	10.60	7.73	7.79	7.76	8.02	10.09	7.51	7.93	7.34	7.59	9.21	9.80
10	10.31	7.94	8.06	8.73	7.93	10.60	8.24	7.47	7.27	7.95	9.49	9.52
11	9.72	7.96	8.41	9.25	7.64	9.90	9.00	8.11	7.62	7.80	9.08	9.10
12	9.01	8.78	9.71	8.83	7.56	8.73	9.38	8.43	8.00	7.78	8.77	9.03
13	8.94	9.03	9.25	7.57	7.61	8.66	9.00	8.25	7.81	7.63	8.83	9.47
14	9.64	8.42	8.39	8.69	7.34	8.24	8.91	8.26	7.40	7.33	8.48	9.34
15	9.26	8.35	7.97	7.58	7.47	7.79	8.72	8.29	7.45	7.81	8.33	8.85
16	9.07	8.80	8.29	7.61	7.35	7.99	8.40	8.14	7.60	7.82	8.15	8.87
17	8.89	8.37	7.83	7.48	7.48	7.81	8.24	8.15	7.47	7.40	8.17	8.44
18	8.83	8.25	7.82	7.99	9.80	8.31	8.13	8.19	7.63	7.53	8.45	8.58
19	8.64	9.05	7.88	7.47	9.43	8.07	7.88	8.26	7.85	7.79	8.53	9.45
20	9.06	8.96	7.55	7.22	9.22	9.13	8.05	8.40	8.09	7.92	8.69	9.10
21	9.82	7.66	7.56	7.48	8.96	8.10	9.14	8.14	7.81	8.48	8.81	9.16
22	9.39	8.11	7.50	10.00	8.20	7.95	8.92	8.11	7.87	8.45	8.19	8.53
23	9.15	9.68	7.99	10.62	7.07	10.09	7.95	7.73	7.96	8.45	7.67	8.14
24	9.28	8.90	8.16	9.61	6.92	8.72	8.23	7.76	8.08	8.15	7.32	8.81
25	8.65	9.05	7.89	8.73	8.13	8.27	7.98	8.03	7.86	7.88	7.89	10.76
26	8.84	8.54	8.11	8.30	7.87	8.29	7.80	8.07	8.25	8.22	8.63	9.28
27	8.80	8.24	8.85	8.01	7.94	8.14	8.06	7.86	7.94	8.01	8.82	9.29
28	8.95	7.66	8.00	8.62	7.73	8.06	8.23	8.08	7.77	7.28	8.57	11.80
29	8.54	8.11	8.01	8.39	---	8.23	8.52	9.74	7.78	7.33	8.61	11.11
30	9.24	8.56	8.64	7.85	---	7.81	8.25	8.70	8.57	7.67	8.67	10.34
31	10.23	---	8.58	7.86	---	7.36	---	8.06	---	7.90	8.85	---
Minimum	8.54	7.41	7.50	7.22	6.92	7.36	6.40	7.37	7.23	7.28	7.32	8.14

Water Year 1989 Minimum 6.40

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued

Station number 022312893, Nassau River near Tisonia

[Gage height in feet, water year October 1985 through September 1986. ---, indicates no data]

Minimum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	9.90	9.75	8.83	8.09	7.93	8.23	8.28	8.77	9.27	8.46	8.51	9.83
2	9.60	9.38	9.04	8.73	7.64	8.02	8.43	8.34	8.87	8.22	8.26	10.05
3	9.25	9.71	8.73	8.08	7.65	7.21	8.53	8.52	9.28	8.34	7.97	9.65
4	8.74	8.91	9.30	8.23	7.84	7.92	8.68	9.63	10.09	9.39	8.06	9.68
5	8.60	8.70	9.20	7.93	7.73	8.38	8.54	8.73	10.15	9.36	8.23	9.62
6	9.14	9.04	8.69	8.03	7.70	8.10	8.32	8.16	10.11	8.84	8.29	9.68
7	9.25	9.15	8.63	7.78	7.51	7.58	7.78	8.07	9.17	8.57	8.17	10.09
8	9.38	9.10	8.58	8.03	7.58	7.50	7.94	8.14	8.75	8.34	8.06	9.92
9	10.64	9.91	8.43	9.39	8.21	8.42	8.02	8.96	8.66	8.10	7.94	9.67
10	---	9.71	8.24	8.39	8.79	8.10	8.75	10.39	9.11	8.08	8.00	9.27
11	---	9.34	8.08	9.84	8.54	7.66	8.50	9.58	9.15	8.16	7.87	8.75
12	---	8.95	7.94	9.63	8.35	7.75	8.61	8.88	8.64	8.24	8.04	8.17
13	---	8.64	7.64	8.39	8.50	7.81	9.20	9.42	8.52	7.89	8.21	8.01
14	---	8.61	7.53	8.31	8.81	7.62	9.15	9.45	8.54	7.66	7.68	9.10
15	---	8.69	8.19	7.84	8.18	7.97	9.31	9.47	8.79	7.63	7.83	8.94
16	---	8.78	8.70	8.78	9.00	8.45	8.75	9.41	8.58	7.80	8.36	8.93
17	---	9.04	8.59	8.43	9.03	8.53	9.05	9.30	8.24	7.70	8.25	9.45
18	---	8.94	8.19	8.53	8.71	8.61	9.41	9.02	8.08	7.42	7.90	10.14
19	---	9.61	8.33	8.04	8.72	7.94	9.88	8.64	8.88	7.51	8.36	9.60
20	---	9.20	7.99	7.64	8.78	8.38	9.74	8.40	8.54	7.95	8.50	9.23
21	---	9.11	8.14	7.69	9.16	8.84	8.86	8.34	8.68	7.89	8.30	8.77
22	---	8.09	7.99	8.24	8.73	9.74	8.70	8.54	9.56	8.53	8.33	8.68
23	---	7.79	8.10	8.13	8.37	9.15	9.01	8.42	8.96	8.38	8.55	9.00
24	---	9.19	7.54	9.15	9.18	8.37	8.72	8.17	8.50	8.75	8.91	9.08
25	---	9.33	7.47	9.81	8.77	8.25	8.49	8.21	8.59	8.93	9.05	8.58
26	10.68	8.95	7.00	8.83	9.09	8.60	8.32	8.74	9.25	8.56	9.33	8.49
27	11.20	8.50	7.07	6.74	7.42	8.40	8.74	9.08	9.43	8.22	8.81	8.50
28	11.09	8.20	7.14	6.88	8.26	8.70	8.91	9.23	8.88	---	8.32	8.60
29	11.00	8.19	7.53	7.48	---	8.83	8.82	9.05	8.51	8.19	8.78	9.21
30	11.80	8.44	7.63	7.12	---	8.52	8.91	9.27	8.32	8.23	10.19	8.92
31	10.84	---	8.00	8.10	---	8.30	---	9.26	---	8.63	9.83	---
Minimum	---	7.79	7.00	6.74	7.42	7.21	7.78	8.07	8.08	---	7.68	8.01

[Gage height in feet, water year October 1986 through September 1987]

Minimum values

1	8.69	9.39	9.78	9.77	8.18	8.60	7.99	8.31	8.78	8.44	8.36	8.60
2	8.41	9.13	9.68	8.66	7.98	8.34	8.47	8.76	8.64	8.29	8.10	8.48
3	8.43	9.02	8.61	8.34	8.30	8.68	7.86	8.77	8.35	7.98	8.17	8.65
4	8.28	9.84	8.10	9.28	8.90	8.77	7.25	8.73	8.57	7.87	7.72	8.86
5	8.11	9.70	8.37	11.72	10.48	9.39	7.75	9.77	8.94	7.75	7.46	9.27
6	8.01	9.02	10.09	10.28	10.23	9.84	8.65	9.72	9.43	7.75	7.48	9.01
7	9.18	8.71	9.41	8.81	10.54	10.45	8.39	9.38	9.20	7.89	7.52	9.18
8	9.14	9.01	8.76	8.91	8.36	8.69	8.12	8.89	8.50	7.88	7.76	8.87
9	8.91	8.89	8.46	8.88	8.28	8.17	8.02	9.14	7.83	7.75	8.26	8.68
10	8.70	8.75	8.42	8.29	8.50	8.61	8.12	8.89	7.39	7.80	8.13	8.33
11	9.34	9.46	8.38	7.96	8.38	10.07	8.17	8.47	7.92	7.97	8.70	8.45
12	10.16	9.15	8.31	7.47	8.00	9.67	7.49	8.53	8.13	8.20	9.03	8.42
13	9.53	8.72	7.82	7.36	7.65	9.32	7.32	8.45	7.64	8.62	9.68	8.21
14	8.94	10.44	10.00	8.34	8.51	9.34	7.72	8.34	7.61	8.50	9.93	8.34
15	9.06	9.92	9.59	8.19	8.41	9.41	7.93	8.41	7.72	8.46	9.28	8.65
16	9.23	9.33	9.33	8.42	9.47	8.70	8.18	8.31	7.95	8.40	8.58	8.95
17	9.63	8.70	9.11	8.80	9.45	9.21	8.14	8.55	7.85	8.88	8.32	8.72
18	9.47	8.69	9.20	9.80	9.10	9.68	8.67	8.38	7.96	9.64	8.44	8.32
19	10.42	8.90	8.88	8.03	9.08	9.34	8.85	8.19	8.17	9.22	8.48	8.14
20	9.95	10.10	9.41	8.29	9.23	9.70	8.87	8.08	8.10	8.85	8.54	8.55
21	9.60	9.28	9.76	8.87	9.83	8.90	8.78	8.61	7.81	8.61	8.83	9.08
22	9.66	9.53	10.97	8.09	9.35	9.48	8.88	9.34	7.81	8.54	8.81	9.12
23	9.47	9.82	10.63	7.51	8.04	9.72	8.90	8.97	8.02	8.82	8.28	9.04
24	9.27	9.16	9.03	7.89	8.10	9.89	8.57	8.42	7.88	9.12	8.29	9.25
25	9.38	9.01	8.53	7.84	8.49	9.78	8.76	8.25	8.37	9.10	8.96	9.13
26	9.47	8.64	8.58	8.01	9.29	9.34	9.13	8.41	8.50	8.71	8.80	8.96
27	9.43	8.70	9.23	7.86	9.65	9.27	9.32	9.13	8.00	8.28	8.56	8.81
28	9.14	8.45	9.56	8.02	9.76	9.13	8.71	9.42	8.67	8.09	8.32	9.02
29	9.05	9.63	9.22	8.02	---	8.99	9.28	9.24	8.81	8.15	7.91	8.94
30	9.23	9.27	9.03	7.97	---	8.94	8.34	9.08	8.61	8.72	7.95	8.44
31	10.01	---	8.24	6.90	---	7.15	---	8.81	---	8.51	8.43	---
Minimum	8.01	8.45	7.82	6.90	7.65	7.15	7.25	8.08	7.39	7.75	7.46	8.14

Water year 1987 Minimum 6.90

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued

Station number 022312893, Nassau River near Tisonia

[Gage height in feet, water year October 1987 through September 1988. ---, indicates no data]

Minimum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	9.06	9.22	8.48	8.22	7.90	8.75	8.24	9.49	8.44	8.69	8.26	8.83
2	8.61	9.59	8.02	8.05	7.94	9.08	8.19	9.12	8.14	8.80	8.10	8.88
3	8.10	10.14	7.82	9.76	7.86	8.62	8.14	8.37	8.46	8.83	8.29	8.63
4	8.76	9.73	7.22	9.02	7.98	8.07	7.97	8.11	10.32	9.13	8.57	8.48
5	8.73	9.58	7.83	8.23	8.09	7.20	8.13	7.70	9.31	9.47	8.51	8.13
6	8.87	9.04	8.11	8.42	8.82	8.57	8.08	8.10	8.72	10.03	8.29	8.09
7	8.24	9.84	8.43	9.53	9.39	8.52	7.95	8.66	8.46	9.42	8.11	9.44
8	7.87	9.07	8.96	9.01	8.92	8.36	9.04	8.80	8.18	8.48	8.30	10.17
9	8.41	8.93	8.83	8.85	9.17	8.18	9.40	8.84	7.73	7.96	8.64	9.47
10	9.04	8.83	8.67	9.03	9.57	7.44	9.24	8.44	7.39	7.75	8.39	9.13
11	9.43	8.36	8.34	9.44	9.33	9.01	8.95	8.34	8.94	7.85	8.16	9.32
12	9.30	9.43	8.23	8.90	7.05	8.32	8.80	8.29	8.58	7.56	8.63	9.58
13	10.94	9.44	8.63	8.12	7.45	7.55	8.39	7.93	8.56	7.68	8.80	9.37
14	11.17	9.73	8.74	8.43	7.49	7.51	9.04	7.92	8.30	7.80	8.65	9.08
15	11.30	9.82	7.85	9.38	7.80	7.30	8.84	8.14	8.38	7.93	8.40	9.06
16	10.87	9.76	7.49	9.10	6.92	7.44	8.94	8.01	8.66	8.05	8.18	9.61
17	10.86	9.60	7.24	8.50	7.24	7.79	8.58	8.17	8.69	7.99	8.29	9.00
18	10.19	9.20	7.88	7.75	7.66	8.25	8.08	8.39	8.61	8.03	8.32	8.89
19	10.06	8.68	8.23	7.86	8.81	7.44	7.45	8.46	8.75	8.17	8.07	9.08
20	9.86	8.96	7.83	8.01	8.88	7.23	8.65	8.42	8.96	8.20	8.08	9.06
21	9.47	8.13	7.52	7.79	8.52	7.17	8.41	8.55	8.98	8.07	7.99	8.69
22	9.27	8.51	7.79	7.94	8.59	7.72	8.48	8.63	8.93	7.81	8.26	8.97
23	9.69	8.85	8.15	7.85	8.55	8.37	8.65	8.43	8.69	7.76	9.00	9.32
24	9.76	8.53	8.48	8.00	8.27	8.16	8.32	8.10	8.57	7.58	8.46	8.91
25	9.46	8.66	8.33	8.10	8.47	8.22	8.47	7.70	9.02	7.89	8.22	8.63
26	9.67	8.75	7.92	7.04	8.79	7.97	9.51	8.48	9.02	8.01	7.99	9.03
27	9.83	8.81	7.98	7.69	8.29	8.09	9.20	9.86	8.63	7.87	8.04	10.01
28	8.96	9.66	8.16	7.71	7.98	8.07	8.43	8.77	9.50	7.81	8.65	9.63
29	9.15	9.18	7.67	7.67	9.36	8.54	8.22	8.13	8.60	7.88	8.19	9.86
30	8.85	9.01	7.92	7.81	---	8.37	8.11	8.45	7.91	8.16	8.10	9.88
31	8.85	---	8.57	7.85	---	8.19	---	8.46	---	8.28	8.45	---
Minimum	7.87	8.13	7.22	7.04	6.92	7.17	7.45	7.70	7.39	7.56	7.99	8.09

Calendar year 1987 Minimum 6.90
Water year 1988 Minimum 6.92

[Gage height in feet, water year October 1988 through September 1989.]

Minimum values

1	9.78	10.08	8.50	8.47	8.02	9.16	7.87	8.24	7.86	9.54	7.65	9.18
2	9.41	9.21	8.51	8.78	8.04	9.70	8.10	7.61	7.45	8.90	8.16	8.94
3	9.61	9.15	8.47	8.28	7.65	9.00	8.12	7.88	7.48	8.47	8.68	8.68
4	9.39	9.58	8.04	7.97	7.41	8.79	7.82	8.38	7.71	8.30	9.00	9.28
5	10.13	8.79	9.00	8.18	7.87	8.27	7.53	8.15	7.62	8.95	8.63	9.51
6	10.50	8.37	8.98	8.37	8.20	8.08	7.11	7.79	7.55	8.18	8.23	9.48
7	11.11	7.74	8.40	7.70	8.18	7.95	6.57	7.87	8.02	7.95	8.59	9.82
8	11.12	7.82	8.14	7.83	---	9.30	7.21	8.46	8.17	7.63	8.79	10.48
9	10.71	8.01	8.03	7.95	---	10.14	7.70	8.19	7.67	7.92	9.53	10.04
10	10.40	8.22	8.27	8.89	8.11	10.57	8.53	7.80	7.60	8.29	9.81	9.80
11	9.85	8.21	8.67	9.39	7.86	9.91	9.32	8.45	7.96	8.13	9.40	9.33
12	9.17	9.08	9.96	8.92	7.84	8.87	9.70	8.77	8.33	8.15	9.11	9.21
13	9.17	9.29	9.37	7.83	7.91	8.91	9.24	8.56	8.14	7.99	9.13	9.56
14	9.87	8.69	8.62	8.92	7.68	8.56	9.13	8.58	7.74	7.71	8.70	9.36
15	9.55	8.67	8.24	7.84	7.88	8.14	9.00	8.59	7.80	8.17	8.51	8.98
16	9.35	9.09	8.59	7.81	7.70	8.18	8.72	8.47	7.96	8.15	8.30	8.86
17	9.21	8.49	8.07	7.98	7.80	8.15	8.50	8.46	7.80	7.68	8.30	8.42
18	9.17	8.59	8.29	8.30	10.11	8.62	8.41	8.52	7.95	7.76	8.55	8.62
19	8.93	9.28	8.16	7.73	9.64	8.38	8.16	8.53	8.11	8.02	8.61	9.50
20	9.32	9.07	7.78	7.50	9.39	9.43	8.30	8.66	8.31	8.12	8.81	9.21
21	9.92	7.84	7.78	7.75	9.01	8.31	9.37	8.43	8.08	8.63	8.91	9.38
22	9.46	8.33	7.72	10.22	8.39	8.19	9.16	8.39	8.12	8.56	8.33	8.75
23	9.22	9.76	8.20	10.73	7.37	10.23	8.21	8.08	8.18	8.56	7.88	8.42
24	9.32	9.03	8.34	9.78	7.27	8.90	8.52	8.10	8.30	8.31	7.60	9.07
25	8.70	9.14	8.10	8.95	8.42	8.52	8.32	8.36	8.10	8.09	8.18	10.83
26	8.92	8.78	8.40	8.58	8.21	8.58	8.16	8.38	8.47	8.48	8.89	9.35
27	8.90	8.46	9.08	8.35	8.31	8.47	8.37	8.10	8.15	8.24	9.00	9.43
28	9.10	8.04	8.27	8.99	8.12	8.42	8.55	8.34	8.00	7.53	8.74	11.48
29	8.79	8.51	8.39	8.76	---	8.57	8.74	9.89	8.01	7.60	8.78	10.77
30	9.57	8.91	9.00	8.25	---	8.18	8.49	8.85	8.78	7.95	8.86	10.10
31	10.52	---	8.94	8.25	---	7.64	---	8.22	---	7.93	8.99	---
Minimum	8.70	7.74	7.72	7.50	---	7.64	6.57	7.61	7.45	7.53	7.60	8.42

Calendar Year 1988 Minimum 6.92

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued

Station number 022312672, Mills Creek near Italia

[Gage height in feet, water year October 1981 through September 1982. ---, indicates no data]

Mean values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	---	---	---	---	---	---	---	---	---	8.33
2	---	---	---	---	---	---	---	---	---	---	---	8.26
3	---	---	---	---	---	---	---	---	---	---	---	8.11
4	---	---	---	---	---	---	---	---	---	---	---	8.01
5	---	---	---	---	---	---	---	---	---	---	---	8.53
6	---	---	---	---	---	---	---	---	---	---	---	8.91
7	---	---	---	---	---	---	---	---	---	---	---	8.97
8	---	---	---	---	---	---	---	---	---	---	---	9.03
9	---	---	---	---	---	---	---	---	---	---	---	9.26
10	---	---	---	---	---	---	---	---	---	---	---	9.41
11	---	---	---	---	---	---	---	---	---	---	---	9.54
12	---	---	---	---	---	---	---	---	---	---	---	9.48
13	---	---	---	---	---	---	---	---	---	---	---	9.61
14	---	---	---	---	---	---	---	---	---	---	---	9.69
15	---	---	---	---	---	---	---	---	---	---	---	9.58
16	---	---	---	---	---	---	---	---	---	---	---	9.42
17	---	---	---	---	---	---	---	---	---	---	---	9.26
18	---	---	---	---	---	---	---	---	---	---	8.71	9.18
19	---	---	---	---	---	---	---	---	---	---	8.96	9.10
20	---	---	---	---	---	---	---	---	---	---	9.00	8.89
21	---	---	---	---	---	---	---	---	---	---	8.64	8.61
22	---	---	---	---	---	---	---	---	---	---	8.37	8.50
23	---	---	---	---	---	---	---	---	---	---	8.53	8.35
24	---	---	---	---	---	---	---	---	---	---	8.22	8.51
25	---	---	---	---	---	---	---	---	---	---	7.82	8.69
26	---	---	---	---	---	---	---	---	---	---	7.58	8.79
27	---	---	---	---	---	---	---	---	---	---	8.06	8.66
28	---	---	---	---	---	---	---	---	---	---	8.10	8.18
29	---	---	---	---	---	---	---	---	---	---	8.06	8.69
30	---	---	---	---	---	---	---	---	---	---	8.71	9.11
31	---	---	---	---	---	---	---	---	---	---	8.54	---
Mean	---	---	---	---	---	---	---	---	---	---	---	8.89
Maximum	---	---	---	---	---	---	---	---	---	---	---	9.69
Minimum	---	---	---	---	---	---	---	---	---	---	---	8.01

[Gage height in feet, water year October 1982 through September 1983]

Mean values

1	9.33	9.04	8.36	9.11	9.49	9.64	9.27	7.84	7.88	8.90	8.86	8.38
2	9.21	9.00	8.39	9.19	9.53	9.40	9.25	7.69	8.07	9.35	8.56	8.60
3	9.15	8.99	8.46	9.26	9.26	9.06	8.53	7.50	8.32	9.54	8.42	8.64
4	9.21	8.97	8.50	9.29	8.44	8.85	8.07	7.26	7.92	9.66	8.65	8.57
5	9.21	8.51	8.49	9.49	8.34	8.68	8.15	7.36	7.66	9.63	9.01	8.55
6	9.15	8.47	8.37	9.39	8.71	8.42	8.12	7.49	7.66	9.42	8.88	8.67
7	9.11	8.76	8.31	9.07	8.60	8.51	8.09	7.67	7.94	9.21	8.76	8.68
8	9.11	9.06	8.82	8.69	8.36	9.00	8.34	7.71	8.39	9.29	8.91	---
9	9.08	9.14	9.06	8.75	8.38	9.17	9.00	7.64	8.71	9.43	8.99	---
10	8.99	9.07	9.12	9.01	8.61	9.23	10.00	8.21	9.10	9.34	8.95	---
11	9.18	9.00	9.12	8.89	8.79	9.15	10.35	8.48	9.32	9.12	8.81	---
12	9.37	8.90	8.91	7.99	8.80	8.97	10.30	8.28	9.49	8.99	8.39	---
13	9.38	8.56	8.87	8.46	9.22	8.89	10.13	8.14	9.54	8.85	7.83	---
14	9.23	8.73	9.12	8.61	10.06	8.83	9.90	8.08	9.45	8.75	8.29	---
15	9.14	8.92	9.07	8.20	10.19	8.77	9.66	7.84	9.24	8.63	8.93	---
16	9.11	9.09	8.86	8.04	10.33	9.10	9.40	7.73	9.02	8.60	8.91	---
17	9.12	9.25	8.36	8.24	10.27	9.68	9.22	7.95	8.94	8.65	8.86	---
18	9.24	9.29	8.63	8.15	10.08	10.50	9.00	8.77	8.82	8.59	8.63	---
19	9.38	9.21	8.69	8.58	9.84	11.06	8.80	8.91	8.74	8.43	8.32	---
20	9.25	9.21	8.21	8.93	9.62	10.89	8.87	8.71	8.67	8.13	7.89	---
21	8.98	9.17	7.98	9.77	9.46	10.51	8.71	8.27	8.67	7.67	7.99	---
22	8.63	9.05	8.25	10.29	9.33	9.99	8.49	8.04	8.71	7.26	8.06	---
23	9.06	8.93	8.43	10.62	9.02	9.52	8.70	7.94	8.85	7.44	7.96	---
24	9.57	8.70	8.36	10.80	8.60	9.37	8.50	7.86	8.90	7.72	7.91	---
25	9.70	8.40	8.09	10.66	8.66	9.41	8.15	8.01	8.66	7.94	8.36	---
26	9.41	9.00	7.97	10.37	8.83	9.47	8.47	8.27	8.23	8.37	8.64	---
27	9.18	8.78	8.15	10.09	9.24	9.54	8.60	8.24	8.18	8.76	8.71	---
28	9.27	8.60	8.28	9.90	9.53	9.42	8.47	8.31	8.14	8.99	8.70	---
29	9.37	8.60	8.25	9.77	---	9.19	8.26	8.47	8.26	9.13	8.36	---
30	9.34	8.24	8.40	9.69	---	9.18	8.04	8.18	8.43	9.17	8.05	---
31	9.20	---	8.92	9.60	---	9.24	---	7.92	---	9.02	8.20	---
Mean	9.21	8.89	8.54	9.25	9.20	9.38	8.89	8.02	8.60	8.77	8.51	---
Maximum	9.70	9.29	9.12	10.80	10.33	11.06	10.35	8.91	9.54	9.66	9.01	---
Minimum	8.63	8.24	7.97	7.99	8.34	8.42	8.04	7.26	7.66	7.26	7.83	---

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued

Station number 022312672, Mills Creek near Italia

[Gage height in feet, water year October 1983 through September 1984. ---, indicates no data]

Mean values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	8.24	9.78	7.93	8.50	10.43	---	8.50	---	8.95	8.13
2	---	---	8.35	9.68	8.07	8.68	9.95	---	8.53	---	8.78	8.28
3	---	---	8.36	9.42	8.19	8.59	9.61	---	8.21	---	8.36	8.26
4	---	---	8.16	9.03	8.13	8.55	9.49	---	8.25	---	7.84	8.10
5	---	---	8.02	8.70	7.86	8.61	9.32	---	8.32	---	7.56	8.16
6	---	---	8.13	8.13	6.96	8.61	9.10	---	8.21	---	7.68	8.79
7	---	---	7.46	8.29	7.17	8.80	8.90	---	8.19	---	7.71	9.30
8	---	9.29	7.78	8.05	7.79	9.04	8.87	---	8.08	---	7.66	9.54
9	---	9.41	7.70	8.17	7.91	8.86	9.01	---	7.72	---	7.62	9.78
10	---	9.34	7.56	7.49	7.63	8.76	9.20	---	7.94	---	7.68	9.92
11	---	8.75	7.71	---	7.44	8.75	9.37	---	---	---	7.83	9.67
12	---	7.95	8.22	---	7.69	8.61	9.50	---	---	---	7.91	9.37
13	9.15	8.19	8.21	---	8.09	8.69	9.51	---	---	---	7.76	8.61
14	8.82	8.33	8.04	---	8.32	8.60	9.42	---	---	---	7.70	8.01
15	8.77	8.35	7.84	---	8.34	8.44	9.30	---	---	---	7.70	7.97
16	8.94	7.88	7.86	9.09	8.45	8.44	9.17	---	---	---	7.83	8.05
17	8.94	7.79	8.20	9.05	8.55	8.49	8.80	---	---	---	8.01	9.08
18	8.83	8.20	8.70	9.01	8.62	8.83	8.28	---	---	---	8.09	9.59
19	9.20	8.33	8.92	8.85	8.67	8.95	8.04	---	---	---	8.10	9.80
20	---	8.73	9.10	8.73	8.64	8.89	7.91	---	---	---	7.85	9.69
21	---	8.90	9.43	9.15	8.52	8.45	7.92	---	---	---	8.03	9.53
22	---	8.81	9.45	9.34	8.68	7.81	7.95	---	---	---	8.57	9.40
23	---	8.81	9.08	9.29	8.94	7.49	7.89	---	---	---	8.42	9.31
24	---	8.86	8.43	9.07	8.28	7.73	7.29	---	---	---	8.08	9.30
25	---	8.56	7.85	8.62	7.72	7.87	7.48	---	---	---	8.33	9.28
26	---	8.43	8.08	8.35	7.81	7.49	7.60	---	---	---	8.88	9.21
27	---	8.69	8.24	8.53	8.58	8.32	7.80	---	---	---	9.06	9.17
28	---	8.78	8.34	8.52	8.71	10.05	7.82	---	---	---	9.21	9.71
29	---	8.35	8.51	8.30	8.14	11.15	8.14	---	---	---	9.21	10.08
30	---	8.08	9.10	8.16	---	11.30	7.96	---	---	---	9.05	10.04
31	---	---	9.58	7.86	---	10.94	---	---	---	---	8.58	---
Mean	---	---	8.34	---	8.13	8.78	8.70	---	---	---	8.19	9.10
Maximum	---	---	9.58	---	8.94	11.30	10.43	---	---	---	9.21	10.08
Minimum	---	---	7.46	---	6.96	7.49	7.29	---	---	---	7.56	7.97

[Gage height in feet, water year October 1984 through September 1985]

Mean values

1	11.39	8.84	8.09	8.12	7.44	8.23	7.28	---	---	---	---	---
2	9.82	8.91	8.09	8.16	7.47	8.10	7.43	---	---	---	---	---
3	9.66	8.94	8.32	8.08	7.54	7.84	7.93	---	---	---	---	---
4	9.44	9.24	8.24	8.03	8.56	8.28	8.10	---	---	---	---	---
5	9.13	9.32	8.63	7.56	9.11	8.26	8.18	---	---	---	---	---
6	8.96	9.11	8.77	8.11	9.13	8.13	8.33	---	---	---	---	---
7	9.03	8.93	8.10	8.27	8.91	8.93	8.31	---	---	---	---	---
8	9.14	9.02	8.13	8.02	8.69	9.00	8.31	---	---	---	---	---
9	9.27	9.02	7.98	8.44	8.69	8.66	8.19	---	---	---	---	---
10	9.40	8.93	7.96	8.89	8.58	8.46	8.04	---	---	---	---	---
11	9.55	8.73	7.94	8.84	8.61	8.59	8.02	---	---	---	---	8.55
12	9.59	8.21	8.24	8.52	7.51	8.04	---	---	---	---	---	8.63
13	9.46	8.37	8.42	8.64	6.53	7.61	---	---	---	---	9.20	9.09
14	9.26	8.37	8.34	8.42	7.19	7.60	---	---	---	---	9.21	9.51
15	9.15	8.39	8.31	7.52	7.60	7.61	---	---	---	---	9.19	9.81
16	9.11	8.35	8.57	7.99	7.73	8.30	---	---	---	---	9.09	10.14
17	9.01	8.20	8.52	8.21	7.74	8.48	---	---	---	---	9.14	10.61
18	8.70	8.53	8.56	7.70	7.72	8.23	---	---	---	---	9.11	10.64
19	8.51	8.51	8.60	7.65	7.92	8.12	---	---	---	---	9.08	10.51
20	8.53	8.27	8.70	7.67	7.98	8.07	---	---	---	---	9.14	10.45
21	8.67	8.90	8.74	7.45	8.44	8.20	---	---	---	---	9.16	10.26
22	8.76	9.38	8.76	7.17	8.21	8.47	---	---	---	---	8.97	10.05
23	8.85	9.69	8.57	7.25	7.80	8.61	---	---	---	---	9.08	9.88
24	8.96	9.87	8.76	7.32	7.63	8.13	---	---	---	---	9.31	9.67
25	9.05	9.80	8.79	6.99	7.35	7.85	---	---	---	---	9.35	9.51
26	9.20	9.50	8.56	6.70	7.18	8.26	---	---	---	---	9.09	9.55
27	9.35	9.18	8.80	7.30	7.05	8.13	---	---	---	---	8.94	9.65
28	9.24	8.84	8.43	7.31	7.40	7.54	---	---	---	---	9.08	9.54
29	8.98	8.28	8.06	7.53	---	7.11	---	---	---	---	---	9.45
30	8.75	8.12	7.85	7.91	---	7.11	---	---	---	---	---	9.52
31	8.60	---	7.86	7.99	---	7.22	---	---	---	---	---	---
Mean	9.18	8.86	8.38	7.86	7.92	8.10	---	---	---	---	---	---
Maximum	11.39	9.87	8.80	8.89	9.13	9.00	---	---	---	---	---	---
Minimum	8.51	8.12	7.85	6.70	6.53	7.11	---	---	---	---	---	---

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued

Station number 022312672, Mills Creek near Italia

[Gage height in feet, water year October 1985 through September 1986. ---, indicates no data]

Mean values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	9.55	10.68	8.71	7.85	8.01	8.34	8.20	8.50	8.65	7.98	7.84	9.24
2	9.46	10.30	9.03	8.11	7.81	8.14	8.04	8.17	8.59	7.77	7.74	9.31
3	9.34	9.98	8.75	8.23	7.59	7.56	8.03	8.07	8.60	7.64	7.56	9.40
4	9.06	9.84	8.88	8.02	7.66	7.53	8.16	8.81	9.00	8.38	7.40	9.38
5	8.68	9.42	9.00	8.73	7.84	8.32	8.21	8.79	9.11	8.82	7.78	9.36
6	8.61	9.12	8.90	9.26	9.04	8.60	8.17	8.32	9.21	8.60	8.01	9.32
7	8.91	9.07	8.72	9.93	9.55	8.43	7.91	7.92	9.09	8.31	8.02	9.35
8	9.22	8.96	8.77	10.05	9.99	8.62	7.76	7.85	8.63	8.07	7.93	9.36
9	9.47	9.15	8.76	10.02	10.47	8.91	7.93	8.02	8.19	7.86	7.81	9.34
10	9.65	9.30	8.76	9.98	10.95	8.72	8.39	8.83	8.46	7.61	7.81	9.26
11	9.69	9.32	8.75	10.35	11.35	8.24	8.35	9.16	8.59	7.67	7.78	9.01
12	9.48	9.26	8.64	10.69	11.25	8.06	8.14	8.97	8.39	7.79	7.78	8.55
13	9.49	9.16	8.61	10.65	10.87	8.14	8.33	8.48	8.11	7.54	7.94	8.11
14	9.61	9.05	9.18	10.27	10.36	8.61	8.41	8.59	7.91	7.37	7.74	8.55
15	9.66	8.97	9.24	9.78	9.85	9.17	8.34	8.60	8.09	7.35	7.60	8.89
16	9.60	8.89	9.50	9.46	9.32	10.32	7.80	8.52	8.15	7.60	8.18	8.86
17	9.50	8.84	9.52	9.09	8.94	10.50	7.92	8.43	8.09	7.70	8.42	8.95
18	9.52	8.63	9.29	8.58	8.55	10.18	8.03	8.36	8.09	7.71	8.31	9.29
19	9.56	8.74	8.85	8.42	8.24	9.73	8.40	8.23	8.56	7.81	8.39	9.36
20	9.42	8.72	8.57	7.78	8.26	9.04	8.78	8.29	8.84	8.11	8.58	9.20
21	9.20	8.59	8.13	7.64	8.65	8.65	8.79	8.35	8.91	8.43	8.58	8.85
22	9.06	8.30	7.99	8.04	8.61	8.99	8.55	8.59	9.13	8.57	8.37	8.44
23	9.08	7.75	7.78	8.13	8.59	9.04	8.66	8.70	9.25	8.59	8.34	8.41
24	9.14	8.60	7.43	8.76	8.91	8.78	8.86	8.69	9.11	8.59	8.44	8.41
25	9.21	8.79	7.19	9.17	8.92	8.68	8.89	8.57	8.78	8.61	8.46	7.88
26	9.37	8.66	7.06	9.13	9.00	8.80	8.76	8.64	8.70	8.45	8.61	7.46
27	9.68	8.32	7.10	8.19	8.33	8.80	8.71	---	8.89	8.13	8.26	7.36
28	10.05	8.10	7.22	7.15	8.10	8.80	8.78	8.81	8.72	7.80	7.85	7.54
29	10.43	8.05	7.48	7.71	---	8.90	8.72	8.71	8.34	7.68	8.00	8.13
30	10.85	8.23	7.61	7.55	---	8.82	8.54	8.65	8.07	7.55	9.07	8.46
31	10.88	---	7.90	8.05	---	8.54	---	8.71	---	7.69	9.20	---
Mean	9.50	8.96	8.43	8.86	9.11	8.77	8.35	---	8.61	7.99	8.12	8.77
Maximum	10.88	10.68	9.52	10.69	11.35	10.50	8.89	---	9.25	8.82	9.20	9.40
Minimum	8.61	7.75	7.06	7.15	7.59	7.53	7.76	---	7.91	7.35	7.40	7.36

[Gage height in feet, water year October 1986 through September 1987]

Mean values

1	8.35	9.17	9.37	9.65	8.64	9.67	9.88	7.88	8.03	7.81	8.11	8.21
2	8.30	9.10	9.49	9.72	8.66	9.42	9.83	7.91	7.81	7.73	7.81	8.35
3	8.29	9.05	9.37	9.75	8.33	9.27	9.64	7.88	7.62	7.48	7.73	8.58
4	8.29	9.21	8.97	9.83	8.44	9.21	8.87	7.78	7.68	7.39	7.68	8.92
5	8.26	9.28	8.81	10.12	8.96	9.13	7.89	8.08	7.95	7.32	7.53	9.32
6	8.28	9.17	9.11	10.34	9.63	9.10	7.92	8.78	8.35	7.41	7.55	9.66
7	8.69	8.81	9.16	10.21	10.06	9.22	7.86	8.51	8.65	7.61	7.74	9.75
8	8.84	8.63	8.87	9.83	10.28	9.44	7.71	8.18	8.37	7.99	8.08	9.79
9	8.75	8.54	8.47	9.51	10.08	9.02	7.49	8.49	8.03	8.09	8.54	9.67
10	8.40	8.31	8.20	9.24	9.76	8.80	7.60	8.68	7.74	8.21	8.65	9.43
11	8.67	8.65	8.39	8.38	9.47	9.35	7.88	8.43	7.90	8.38	8.61	9.21
12	9.09	8.74	8.60	7.77	8.92	9.44	7.66	8.49	8.45	8.50	8.76	9.18
13	9.07	8.58	8.88	7.85	8.52	9.33	7.39	8.61	8.24	8.68	9.05	8.97
14	8.98	9.02	9.56	8.42	8.69	9.27	7.76	8.57	8.12	8.74	9.23	8.64
15	8.80	9.24	9.74	8.37	8.65	9.24	8.20	8.58	7.98	8.59	9.20	8.44
16	8.83	9.05	9.65	8.39	9.02	9.07	8.21	8.57	7.89	8.43	8.97	8.42
17	8.95	8.65	9.46	8.65	9.33	8.99	8.33	8.49	7.88	8.53	8.59	8.32
18	8.99	8.47	9.26	9.09	9.23	9.24	8.34	8.44	7.86	8.80	8.30	7.99
19	9.17	8.58	9.02	8.95	9.00	9.26	8.50	8.12	7.97	8.81	8.21	7.73
20	9.22	8.89	8.96	7.72	8.93	9.20	8.49	7.86	8.00	8.53	8.26	7.96
21	9.07	8.80	9.02	8.37	9.15	9.15	8.38	8.02	7.75	8.20	8.40	8.42
22	8.86	8.55	9.28	9.01	9.48	8.87	8.36	8.62	7.70	8.03	8.54	8.64
23	8.64	8.57	9.50	8.86	9.62	8.97	8.48	8.73	7.67	8.18	8.33	8.67
24	8.26	8.46	9.49	9.01	9.60	9.10	8.53	8.46	7.65	8.53	8.00	8.77
25	8.12	8.10	9.06	9.33	9.68	9.19	8.50	8.28	7.82	8.62	8.46	8.77
26	8.09	8.11	8.66	9.33	9.73	9.34	8.71	8.24	8.10	8.50	8.49	8.64
27	8.27	8.08	8.76	9.20	9.74	9.58	8.83	8.46	7.76	8.12	8.28	8.54
28	8.27	8.23	9.16	9.16	9.71	9.80	8.85	8.77	7.91	7.64	7.99	8.55
29	8.27	8.90	9.30	9.11	---	9.95	8.84	8.78	8.23	7.67	7.68	8.54
30	8.67	9.20	9.29	9.05	---	10.08	8.60	8.64	8.08	8.03	7.82	8.22
31	9.01	---	9.17	8.43	---	10.09	---	8.37	---	8.17	8.21	---
Mean	8.64	8.74	9.10	9.05	9.26	9.32	8.38	8.38	7.97	8.15	8.28	8.74
Maximum	9.22	9.28	9.74	10.34	10.28	10.09	9.88	8.78	8.65	8.81	9.23	9.79
Minimum	8.09	8.08	8.20	7.72	8.33	8.80	7.39	7.78	7.62	7.32	7.53	7.73

Water year 1987 Mean 8.67 Maximum 10.34 Minimum 7.32

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued

Station number 022312672, Mills Creek near Italia

[Gage height in feet, water year October 1987 through September 1988. ---, indicates no data]

Mean values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	8.14	8.62	8.42	8.05	7.79	8.72	8.00	8.91	8.47	8.40	8.48	8.95
2	8.43	8.92	8.01	7.97	7.81	8.79	8.05	9.03	8.34	8.79	8.39	9.18
3	8.20	9.17	7.86	8.73	7.80	8.63	8.00	8.86	8.26	8.81	8.33	9.24
4	8.38	9.32	7.29	8.82	7.82	8.43	7.97	8.43	8.76	8.74	8.49	9.09
5	8.59	9.39	7.49	8.19	8.07	8.16	7.93	8.02	9.10	8.80	8.43	8.82
6	8.70	9.25	8.01	8.13	8.50	8.73	7.94	7.93	8.91	8.98	8.23	8.88
7	8.51	9.32	8.18	8.60	8.62	9.07	7.31	8.18	8.49	9.01	7.88	9.91
8	8.22	9.08	8.43	8.86	8.64	9.04	8.00	8.30	8.18	8.65	7.85	10.76
9	8.38	8.68	8.31	8.29	8.53	8.89	8.40	8.38	7.99	8.01	8.04	11.11
10	8.66	8.40	7.97	8.15	8.52	8.48	8.54	8.34	7.55	7.63	8.11	11.02
11	8.79	7.54	7.55	8.55	8.69	8.40	8.64	8.12	8.46	7.85	8.03	10.71
12	8.76	7.88	7.27	8.51	8.08	8.80	8.62	8.27	8.63	7.95	8.21	10.35
13	9.00	8.20	7.35	8.13	6.78	8.44	8.35	8.28	8.59	7.64	---	10.03
14	9.23	8.45	7.79	7.94	7.54	8.09	8.71	8.22	8.40	7.56	---	9.70
15	9.30	8.61	7.76	8.54	8.06	7.99	8.88	8.28	8.23	7.52	---	9.39
16	9.35	8.70	7.02	8.70	7.70	8.19	8.85	8.23	8.23	7.51	---	9.21
17	9.38	8.83	7.10	8.61	7.92	8.44	8.90	8.11	8.25	7.53	---	9.23
18	9.31	8.75	7.75	8.34	8.30	8.62	8.69	8.13	8.07	7.64	---	8.91
19	9.17	8.62	8.12	8.37	9.15	8.45	8.07	8.10	7.96	7.59	---	8.61
20	9.11	8.76	8.07	8.59	10.12	8.00	8.04	7.89	8.05	7.60	---	8.64
21	9.02	8.48	7.93	8.88	11.44	7.54	8.20	7.83	8.12	7.44	---	8.60
22	8.95	8.60	8.15	8.94	11.69	7.65	7.71	7.82	8.18	7.28	---	8.65
23	9.15	8.77	8.44	8.80	11.36	8.30	7.67	7.63	8.02	7.31	8.44	8.94
24	9.16	8.69	8.57	8.81	10.79	7.89	7.48	7.32	7.95	7.14	8.54	9.00
25	9.14	8.61	8.41	8.94	10.15	7.54	7.38	7.15	8.06	7.36	8.49	8.91
26	9.12	8.52	7.98	8.47	9.61	7.41	8.36	7.92	8.52	7.81	8.46	8.94
27	9.21	8.50	7.68	7.81	9.10	7.19	8.56	8.89	8.65	8.04	8.68	9.18
28	8.99	8.66	7.87	7.89	8.60	7.42	8.02	8.71	8.93	8.19	8.97	9.30
29	8.73	8.88	7.50	7.74	8.91	7.81	7.80	8.19	8.90	8.35	8.89	9.33
30	8.53	8.74	7.93	7.68	---	7.82	7.91	8.21	8.53	8.49	8.74	9.42
31	8.40	---	8.24	7.70	---	7.83	---	8.41	---	8.55	8.76	---
Mean	8.84	8.70	7.89	8.38	8.83	8.22	8.17	8.20	8.36	8.01	---	9.40
Maximum	9.38	9.39	8.57	8.94	11.69	9.07	8.90	9.03	9.10	9.01	---	11.11
Minimum	8.14	7.54	7.02	7.68	6.78	7.19	7.31	7.15	7.55	7.14	---	8.60

Calendar year 1987 Mean 8.58 Maximum 10.34 Minimum 7.02

[Gage height in feet, water year October 1988 through September 1989.]

Mean values

1	9.31	9.15	7.98	---	---	---	---	---	---	---	---	---
2	9.10	8.87	7.66	---	---	---	---	---	---	---	---	---
3	8.91	8.37	7.56	---	---	---	---	---	---	---	---	---
4	8.86	8.58	7.33	---	---	---	---	---	---	---	---	---
5	9.02	8.58	8.23	---	---	---	---	---	---	---	---	---
6	9.32	7.85	8.45	---	---	---	---	---	---	---	---	---
7	9.55	7.40	---	---	---	---	---	---	---	---	---	---
8	9.68	7.61	---	---	---	---	---	---	---	---	---	---
9	9.70	7.81	---	---	---	---	---	---	---	---	---	---
10	9.62	8.05	---	---	---	---	---	---	---	---	---	---
11	9.48	8.08	---	---	---	---	---	---	---	---	---	---
12	9.20	8.43	---	---	---	---	---	---	---	---	---	---
13	8.94	8.82	---	---	---	---	---	---	---	---	---	---
14	9.08	8.46	---	---	---	---	---	---	---	---	---	---
15	8.95	8.23	---	---	---	---	---	---	---	---	---	---
16	8.79	8.37	---	---	---	---	---	---	---	---	---	---
17	8.58	8.36	---	---	---	---	---	---	---	---	---	---
18	8.49	8.22	---	---	---	---	---	---	---	---	---	---
19	8.45	8.72	---	---	---	---	---	---	---	---	---	---
20	8.70	8.84	---	---	---	---	---	---	---	---	---	---
21	9.18	8.32	---	---	---	---	---	---	---	---	---	---
22	9.15	8.56	---	---	---	---	---	---	---	---	---	---
23	9.08	9.19	---	---	---	---	---	---	---	---	---	---
24	9.10	9.16	---	---	---	---	---	---	---	---	---	---
25	9.03	9.16	---	---	---	---	---	---	---	---	---	---
26	9.02	8.93	---	---	---	---	---	---	---	---	---	---
27	8.95	8.56	---	---	---	---	---	---	---	---	---	---
28	8.94	7.79	---	---	---	---	---	---	---	---	---	---
29	8.71	7.59	---	---	---	---	---	---	---	---	---	---
30	8.71	8.09	---	---	---	---	---	---	---	---	---	---
31	9.09	---	---	---	---	---	---	---	---	---	---	---
Mean	9.05	8.40	---	---	---	---	---	---	---	---	---	---
Maximum	9.70	9.19	---	---	---	---	---	---	---	---	---	---
Minimum	8.45	7.40	---	---	---	---	---	---	---	---	---	---

Station number 02231268, Alligator Creek at Callahan

[Gage height in feet, water year October 1981 through September 1982. ---, indicates no data]

Mean values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	6.32	6.47	6.64	7.64	6.85	6.76	7.20	6.65	6.59	6.82	6.54	6.61
2	6.32	6.52	6.87	7.84	7.03	6.75	7.08	6.64	6.62	6.68	6.55	6.57
3	6.31	6.51	6.91	7.52	7.19	6.75	6.98	6.62	6.66	6.60	6.60	6.54
4	6.31	6.53	7.06	7.33	7.31	6.74	6.89	6.60	6.68	6.55	6.59	6.59
5	6.31	6.64	7.04	7.19	7.37	6.78	6.81	6.58	6.66	6.52	6.57	6.63
6	6.31	6.62	6.93	7.11	7.25	7.34	6.75	6.55	6.62	6.56	6.55	6.66
7	6.31	6.60	6.86	7.04	7.14	8.04	6.70	6.53	6.56	6.58	6.57	6.64
8	6.32	6.62	6.82	7.01	7.06	7.97	6.85	6.53	6.52	6.64	6.59	6.61
9	6.35	6.61	6.79	6.97	7.00	7.84	7.45	6.53	6.47	6.63	6.82	6.63
10	6.33	6.87	6.77	6.94	6.98	7.60	8.14	6.52	6.44	6.63	7.22	7.11
11	6.40	7.04	6.75	6.91	6.94	7.39	9.40	6.49	6.40	6.61	7.47	7.76
12	6.36	7.31	6.73	6.88	6.95	7.24	9.59	6.47	6.38	6.63	7.12	8.48
13	6.33	7.25	6.73	7.12	7.07	7.12	8.51	6.45	6.38	6.95	6.84	7.98
14	6.32	7.07	6.72	7.94	7.15	7.02	7.87	6.43	6.38	7.86	6.79	7.46
15	6.32	6.89	6.73	8.26	7.15	6.95	7.51	6.40	6.37	7.71	6.76	7.12
16	6.32	6.80	6.72	7.88	7.09	6.88	7.28	6.37	6.45	7.18	6.70	6.92
17	6.34	6.76	6.72	7.60	7.11	6.84	7.12	6.36	6.51	6.90	6.67	6.79
18	6.35	6.72	6.72	7.41	7.14	6.80	7.05	6.35	6.97	6.82	6.71	6.71
19	6.34	6.71	6.72	7.29	7.14	6.76	7.06	6.35	6.81	6.83	6.73	6.90
20	6.31	6.70	6.71	7.20	7.07	6.74	7.10	6.35	6.95	6.94	6.97	7.62
21	6.31	6.69	6.70	7.13	7.00	6.70	7.02	6.35	6.83	6.91	7.22	7.41
22	6.31	6.68	6.70	7.07	6.93	6.74	6.92	6.35	6.85	7.30	7.28	7.14
23	6.31	6.67	6.71	7.04	6.89	6.98	6.82	6.47	6.91	8.59	7.35	6.95
24	6.33	6.67	6.71	7.08	6.85	7.28	6.76	6.41	6.94	7.64	7.31	6.84
25	6.39	6.65	6.73	7.06	6.82	7.43	6.74	6.41	6.85	7.25	7.11	6.76
26	6.49	6.64	6.81	7.04	6.79	7.49	6.75	6.53	6.78	7.31	6.97	6.87
27	6.45	6.63	6.89	6.99	6.79	7.39	6.73	6.52	6.89	6.98	6.90	6.70
28	6.44	6.63	6.93	6.96	6.77	7.27	6.70	6.52	7.14	6.81	6.83	6.64
29	6.44	6.63	6.92	6.94	---	7.29	6.67	6.52	7.43	6.71	6.77	6.85
30	6.45	6.63	6.99	6.92	---	7.33	6.65	6.51	7.08	6.64	6.70	6.82
31	6.45	---	7.22	6.89	---	7.33	---	6.53	---	6.59	6.65	---
Mean	6.35	6.73	6.81	7.23	7.03	7.15	7.24	6.48	6.70	6.95	6.85	6.98
Maximum	6.49	7.31	7.22	8.26	7.37	8.04	9.59	6.65	7.43	8.59	7.47	8.48
Minimum	6.31	6.47	6.64	6.88	6.77	6.70	6.65	6.35	6.37	6.52	6.54	6.54

Water year 1982 Mean 6.87 Maximum 9.59 Minimum 6.31

[Gage height in feet, water year October 1982 through September 1983]

Mean values

1	6.81	6.72	6.74	7.08	7.26	7.30	7.36	6.75	6.76	7.63	6.84	6.55
2	6.77	6.71	6.72	7.48	7.26	7.20	7.32	6.71	6.67	7.65	6.85	6.61
3	6.82	6.70	6.70	7.45	7.19	7.18	7.16	6.68	6.62	7.37	6.97	6.94
4	6.84	6.70	6.69	7.53	7.10	7.16	7.06	6.72	6.59	7.57	7.30	7.04
5	7.31	6.68	6.68	7.70	7.03	7.14	6.99	6.73	6.80	7.14	7.38	6.89
6	8.95	6.66	6.66	7.49	7.04	7.60	6.93	6.70	6.98	6.93	7.03	6.70
7	8.66	6.65	6.66	7.30	7.20	8.10	6.97	6.68	7.16	6.82	7.00	6.60
8	7.86	6.64	6.65	7.17	7.33	8.53	7.60	6.72	8.02	6.75	7.04	6.54
9	7.44	6.63	6.65	7.08	7.21	8.15	9.66	6.72	7.94	6.74	7.02	6.50
10	7.17	6.62	6.65	7.01	7.10	7.72	11.80	6.64	7.30	6.67	7.03	6.47
11	7.02	6.62	6.67	6.97	7.03	7.41	9.99	6.60	7.04	6.60	7.03	6.45
12	6.96	6.61	6.82	6.95	7.11	7.23	8.50	6.59	6.89	6.55	7.38	6.44
13	6.91	6.62	6.94	6.94	8.00	7.15	7.86	6.58	6.85	6.52	7.49	6.45
14	6.88	6.63	7.17	6.90	8.40	7.09	7.54	6.56	6.93	6.50	7.47	6.48
15	6.83	6.63	7.04	6.86	8.80	7.05	7.42	6.54	6.78	6.48	7.24	6.50
16	6.80	6.62	6.97	6.83	8.50	7.49	7.58	6.56	6.69	6.46	7.01	6.48
17	6.74	6.61	7.02	6.80	8.30	9.43	7.62	6.59	6.63	6.43	6.83	6.46
18	6.69	6.62	7.05	6.78	8.10	11.86	7.37	6.60	6.59	6.41	6.70	6.45
19	6.66	6.63	6.99	6.88	7.90	10.10	7.29	6.63	6.57	6.39	6.61	6.48
20	6.65	6.63	6.90	8.73	7.70	8.63	7.26	6.65	6.56	6.44	6.55	6.50
21	6.64	6.65	6.84	10.17	7.60	8.09	7.15	6.65	6.74	6.55	6.50	6.52
22	6.64	6.66	6.80	10.10	7.50	7.83	7.03	6.62	6.93	6.51	6.45	6.54
23	6.83	6.66	6.77	10.00	7.40	7.58	7.20	6.58	6.97	6.64	6.43	6.56
24	7.01	6.66	6.75	9.71	7.36	7.61	7.59	6.57	6.87	6.56	6.41	6.58
25	7.14	6.64	6.73	8.80	7.30	7.92	7.53	6.55	6.80	6.53	6.39	6.56
26	7.09	6.73	6.73	7.93	7.26	7.74	7.24	6.54	6.71	6.59	6.38	6.54
27	6.96	6.77	6.72	7.70	7.24	7.53	7.08	6.51	6.64	6.63	6.39	6.52
28	6.88	6.80	6.72	7.81	7.20	7.48	6.96	6.50	6.77	6.62	6.44	6.48
29	6.81	6.80	6.71	7.64	---	7.40	6.87	6.58	6.97	6.66	6.42	6.46
30	6.76	6.76	6.71	7.52	---	7.24	6.79	6.70	6.94	6.72	6.41	6.44
31	6.73	---	6.82	7.66	---	7.25	---	6.80	---	6.83	6.47	---
Mean	7.04	6.67	6.80	7.71	7.51	7.84	7.62	6.63	6.89	6.74	6.82	6.56
Maximum	8.95	6.80	7.17	10.17	8.80	11.86	11.80	6.80	8.02	7.65	7.49	7.04
Minimum	6.64	6.61	6.65	6.78	7.03	7.05	6.79	6.50	6.56	6.39	6.38	6.44

Calendar year 1982 Mean 6.93 Maximum 9.59 Minimum 6.35

Water year 1983 Mean 7.07 Maximum 11.86 Minimum 6.38

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued

Station number 02231268, Alligator Creek at Callahan

[Gage height in feet, water year October 1983 through September 1984. ---, indicates no data]

Mean values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	6.55	6.83	---	7.00	7.77	7.66	6.56	---	6.80	7.49	6.38
2	---	6.67	6.79	---	6.93	7.42	7.39	6.55	---	6.98	7.26	6.37
3	---	6.70	6.74	---	6.89	7.23	7.52	6.51	---	7.40	7.06	6.35
4	---	6.64	6.71	---	6.90	7.12	8.38	6.51	---	7.33	6.90	6.37
5	---	6.59	6.70	---	6.94	7.03	8.50	6.68	---	7.07	6.76	6.42
6	---	6.55	6.71	---	7.01	7.31	7.85	6.89	---	6.87	6.64	6.41
7	---	6.54	6.70	---	6.94	8.11	7.48	6.98	---	6.73	6.76	6.40
8	---	6.65	6.69	---	6.88	8.18	7.29	6.81	---	6.67	6.66	6.40
9	---	6.72	6.67	---	6.84	7.66	7.56	6.64	---	6.60	6.53	6.42
10	---	6.75	6.65	---	6.81	7.36	8.01	6.54	---	6.51	6.46	6.45
11	---	6.69	6.74	---	6.79	7.17	7.69	6.50	---	6.47	6.42	6.44
12	---	6.62	7.04	---	6.78	7.06	7.44	6.47	---	6.44	6.39	6.43
13	6.55	6.58	7.55	---	6.78	7.02	7.25	6.44	---	6.60	6.37	6.41
14	6.55	6.55	7.32	---	6.85	6.98	7.13	6.42	---	7.12	6.36	6.39
15	6.54	6.53	7.23	---	6.90	6.93	7.33	6.41	---	7.07	6.36	6.37
16	6.55	6.55	7.20	---	6.90	6.88	7.44	6.40	---	6.99	6.35	6.37
17	6.57	6.55	7.16	---	6.86	6.82	7.20	6.51	---	6.87	6.34	6.36
18	6.55	6.54	7.08	---	6.81	6.79	7.01	7.87	---	6.63	6.32	6.45
19	6.52	6.53	7.06	6.95	6.78	6.75	6.89	---	---	6.73	6.31	6.53
20	6.50	6.88	7.06	6.95	6.76	6.72	6.80	---	---	7.56	6.32	6.51
21	6.49	7.63	7.06	7.06	6.76	6.74	6.73	---	---	7.61	6.36	6.53
22	6.49	7.79	7.07	7.08	6.80	6.78	6.71	---	---	7.53	6.41	6.50
23	6.69	7.29	7.10	7.11	7.34	6.79	6.81	---	---	7.60	6.50	6.47
24	6.77	7.11	7.01	7.06	7.62	6.74	7.13	---	---	7.22	6.53	6.44
25	6.82	7.13	6.86	7.14	7.32	6.70	7.03	---	---	7.26	6.55	6.42
26	6.68	7.32	7.39	7.35	7.07	6.67	6.86	---	---	6.96	6.54	6.41
27	6.59	7.20	8.82	7.56	7.33	8.79	6.75	---	6.74	6.78	6.49	6.40
28	6.54	7.04	7.70	7.60	8.80	12.93	6.68	---	6.68	6.73	6.46	7.06
29	6.50	6.94	7.12	7.45	8.82	11.68	6.62	---	6.66	6.94	6.42	8.33
30	6.49	6.87	6.95	7.24	---	9.39	6.59	---	6.73	7.21	6.41	8.21
31	6.49	---	---	7.10	---	8.13	---	---	---	7.26	6.39	---
Mean	---	6.82	---	---	7.08	7.60	7.26	---	---	6.99	6.55	6.57
Maximum	---	7.79	---	---	8.82	12.93	8.50	---	---	7.61	7.49	8.33
Minimum	---	6.53	---	---	6.76	6.67	6.59	---	---	6.44	6.31	6.35

[Gage height in feet, water year October 1984 through September 1985]

Mean values

1	7.36	6.72	6.72	6.61	7.39	6.64	6.46	6.37	6.27	6.59	6.99	---
2	7.00	6.70	6.69	6.60	7.27	6.69	6.45	6.36	6.25	6.56	6.92	---
3	6.83	6.72	6.66	6.61	7.07	6.73	6.43	6.62	6.26	6.61	7.26	---
4	6.71	6.79	6.65	6.71	7.21	6.72	6.41	6.67	6.25	6.59	7.47	---
5	6.63	6.90	6.64	6.76	7.38	6.67	6.41	6.63	6.25	6.53	7.17	---
6	6.59	6.86	6.66	6.82	7.43	6.64	6.50	6.60	6.26	6.59	6.97	---
7	6.55	6.72	6.66	6.76	7.29	6.61	6.52	6.54	6.27	6.89	7.20	---
8	6.54	6.63	6.69	6.70	7.19	6.59	6.54	6.49	6.28	6.86	7.92	---
9	6.52	6.58	6.70	6.68	7.05	6.59	6.52	6.48	6.29	6.90	8.06	---
10	6.51	6.56	6.70	6.66	6.92	6.58	6.49	6.48	6.28	6.78	7.71	---
11	6.49	6.55	6.68	6.65	6.85	6.57	6.48	6.48	6.28	6.64	7.58	6.93
12	6.48	6.55	6.66	6.65	6.85	6.56	6.47	6.45	6.37	6.61	7.24	6.84
13	6.48	6.55	6.65	6.64	6.85	6.55	6.68	6.44	6.29	6.60	6.99	6.79
14	6.46	6.54	6.64	6.63	6.84	6.54	6.91	6.43	6.34	6.72	7.53	6.77
15	6.45	6.53	6.64	6.62	6.80	6.52	7.26	6.40	6.30	6.86	10.31	6.80
16	6.44	6.53	6.63	6.62	6.76	6.51	6.91	6.36	6.62	6.79	9.24	7.19
17	6.44	6.52	6.62	6.62	6.73	6.73	6.72	6.34	6.66	6.88	8.82	8.63
18	6.44	6.52	6.62	6.62	6.72	6.95	6.63	6.33	6.86	7.49	8.25	9.44
19	6.44	6.52	6.62	6.62	6.71	7.08	6.58	6.33	6.67	7.64	7.54	9.12
20	6.43	6.51	6.61	6.63	6.71	6.81	6.54	6.39	6.54	7.19	---	9.18
21	6.43	6.51	6.61	6.63	6.70	6.70	6.50	6.38	6.47	6.92	---	9.16
22	6.44	6.69	6.61	6.61	6.70	6.67	6.47	6.45	6.42	6.70	---	8.34
23	6.45	6.97	6.61	6.61	6.70	6.65	6.45	6.49	6.38	6.58	---	7.80
24	6.46	7.33	6.61	6.64	6.70	6.61	6.43	6.46	6.34	6.57	---	7.49
25	6.46	7.02	6.61	6.65	6.69	6.57	6.41	6.42	6.31	6.70	---	7.31
26	6.46	6.81	6.61	6.66	6.70	6.54	6.40	6.38	6.29	6.65	---	7.05
27	6.46	6.72	6.61	6.65	6.71	6.52	6.38	6.33	6.34	6.60	---	6.99
28	6.47	6.69	6.61	6.64	6.66	6.51	6.37	6.29	6.40	6.65	---	6.81
29	6.51	6.69	6.61	6.64	---	6.49	6.43	6.27	6.46	6.75	---	6.81
30	6.56	6.71	6.61	6.68	---	6.48	6.40	6.26	6.65	6.80	---	6.83
31	6.67	---	6.61	6.98	---	6.46	---	6.29	---	6.95	---	---
Mean	6.55	6.69	6.64	6.66	6.91	6.63	6.54	6.43	6.39	6.78	---	---
Maximum	7.36	7.33	6.72	6.98	7.43	7.08	7.26	6.67	6.86	7.64	---	---
Minimum	6.43	6.51	6.61	6.60	6.66	6.46	6.37	6.26	6.25	6.53	---	---

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued

Station number 02231268, Alligator Creek at Callahan

[Gage height in feet, water year October 1985 through September 1986. ---, indicates no data]

Mean values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	9.33	---	7.31	6.95	6.93	6.85	6.72	6.48	6.49	6.42	6.36	7.46
2	9.91	---	7.99	7.19	6.90	6.85	6.70	6.46	6.52	6.44	6.37	7.05
3	8.53	---	8.08	7.14	6.90	6.83	6.68	6.44	6.52	6.46	6.38	6.93
4	7.85	---	7.51	7.21	6.89	7.52	6.65	6.44	6.55	6.47	6.41	6.80
5	7.51	---	7.27	8.75	7.09	9.57	6.63	6.44	6.54	6.48	6.54	6.71
6	7.32	---	7.15	9.72	9.74	8.62	6.61	6.45	6.52	6.49	6.49	6.83
7	7.15	---	7.06	8.58	10.64	7.74	6.60	6.49	6.50	6.47	6.44	6.86
8	7.07	---	7.00	8.11	9.69	7.41	6.59	6.55	6.48	6.44	6.42	6.75
9	---	---	6.96	7.82	10.42	7.22	6.57	6.54	6.52	6.42	6.56	6.69
10	7.00	---	6.91	8.31	10.62	7.12	6.55	6.52	6.67	6.40	6.61	6.70
11	7.17	---	6.89	10.52	10.36	7.05	6.54	6.50	7.14	6.38	6.53	6.76
12	7.39	---	6.86	10.07	9.51	7.01	6.54	6.48	7.25	6.41	6.51	6.88
13	7.29	---	7.61	8.78	8.56	7.05	6.57	6.53	7.12	6.44	6.51	6.74
14	7.15	---	9.90	8.02	7.90	9.03	6.58	6.56	7.02	6.40	6.65	6.63
15	7.05	---	9.58	7.67	7.62	11.52	6.58	6.57	6.79	6.38	6.73	6.58
16	6.96	---	8.23	7.47	7.45	10.52	6.56	6.55	6.67	6.49	6.76	6.54
17	6.91	---	7.66	7.35	7.31	9.15	6.55	6.53	6.69	6.54	6.62	6.51
18	6.86	---	7.44	7.26	7.23	8.15	6.54	6.51	7.12	6.45	6.61	6.56
19	6.80	6.83	7.29	7.29	7.19	7.67	6.52	6.55	7.17	6.43	7.79	6.57
20	6.76	6.89	7.20	7.44	7.14	7.48	6.51	6.61	6.98	6.41	8.11	6.55
21	6.79	7.00	7.11	7.36	7.10	7.49	6.66	6.61	7.29	6.38	7.35	6.52
22	6.76	7.00	7.03	7.22	7.05	7.37	6.77	6.58	7.12	6.36	7.17	6.49
23	6.80	6.99	6.98	7.14	7.00	7.21	6.76	6.54	6.75	6.36	6.87	6.47
24	6.81	6.98	6.95	7.07	6.97	7.10	6.66	6.51	6.60	6.37	6.68	6.46
25	6.78	6.96	6.92	7.04	6.93	7.03	6.60	6.49	6.52	6.38	6.58	6.45
26	6.74	6.92	6.88	7.04	6.89	6.98	6.57	6.47	6.48	6.39	6.52	6.44
27	6.73	6.89	6.85	7.12	6.87	6.94	6.54	6.45	6.46	6.40	6.60	6.43
28	6.73	6.85	6.84	7.14	6.86	6.94	6.53	6.45	6.45	6.39	6.83	6.43
29	---	6.81	6.85	7.03	---	6.88	6.50	6.43	6.43	6.40	7.53	6.42
30	---	6.94	6.85	7.00	---	6.85	6.48	6.41	6.42	6.40	8.59	6.42
31	---	---	6.83	6.97	---	6.76	---	6.46	---	6.37	8.25	---
Mean	---	---	7.35	7.73	7.92	7.67	6.60	6.50	6.73	6.42	6.85	6.65
Maximum	---	---	9.90	10.52	10.64	11.52	6.77	6.61	7.29	6.54	8.59	7.46
Minimum	---	---	6.83	6.95	6.86	6.76	6.48	6.41	6.42	6.36	6.36	6.42

[Gage height in feet, water year October 1986 through September 1987]

Mean values

1	6.41	6.67	7.82	9.03	7.08	7.50	8.87	6.51	6.42	6.51	7.68	6.63
2	6.41	6.64	7.75	9.82	7.06	8.03	8.00	6.50	6.41	6.55	7.42	6.74
3	6.41	6.61	7.31	8.36	7.18	7.68	7.62	6.49	6.40	6.74	7.33	7.26
4	6.41	6.58	7.27	7.84	7.30	7.41	7.45	6.48	6.39	7.38	7.11	8.27
5	6.40	6.55	7.09	8.44	7.61	7.23	7.32	6.48	6.41	7.21	6.79	8.54
6	6.40	6.54	6.94	8.62	9.53	7.11	7.17	6.49	6.44	7.26	6.64	7.85
7	6.39	6.53	6.85	7.92	9.95	7.23	7.06	6.50	6.44	7.20	6.56	9.25
8	6.40	6.51	6.80	7.58	9.05	8.15	6.98	6.51	6.41	7.78	6.50	9.85
9	6.41	6.51	6.77	7.39	8.21	8.36	6.90	6.53	6.40	8.18	6.47	8.28
10	6.47	6.50	6.93	7.34	7.70	7.74	6.84	6.52	6.38	7.79	6.48	7.58
11	6.55	6.49	8.34	7.43	7.45	7.43	6.79	6.51	6.36	7.55	6.47	7.28
12	6.56	6.49	8.92	7.40	7.30	7.27	6.75	6.53	6.38	7.11	6.47	7.39
13	6.60	6.49	9.60	7.24	7.19	7.19	6.72	6.56	6.46	6.86	6.72	7.83
14	6.61	6.49	8.66	7.13	7.11	7.12	6.74	6.62	6.58	6.70	8.12	7.83
15	6.63	6.50	7.83	7.06	7.04	7.03	6.91	6.92	6.67	6.68	9.18	7.47
16	6.77	6.50	7.51	7.04	7.29	6.96	6.92	7.19	6.69	6.71	9.18	7.17
17	6.71	6.51	7.37	7.15	7.62	6.91	6.81	6.81	6.61	6.72	8.37	6.98
18	6.59	6.68	7.26	7.37	7.38	6.89	6.75	6.66	6.63	6.63	7.74	6.85
19	6.53	6.86	7.15	7.44	7.26	6.99	6.71	6.60	6.64	6.56	7.27	6.76
20	6.50	7.15	7.08	7.39	7.12	7.10	6.68	6.56	6.58	6.55	7.01	6.69
21	6.48	6.98	7.02	7.42	7.53	7.00	6.65	6.53	6.54	6.56	6.86	6.63
22	6.47	6.92	6.96	8.33	8.72	6.92	6.62	6.51	6.61	6.53	6.74	6.59
23	6.46	6.85	7.05	9.51	9.09	6.85	6.60	6.51	6.91	6.49	6.64	6.56
24	6.45	6.71	7.57	8.46	8.61	6.81	6.58	6.50	7.08	6.46	6.57	6.54
25	6.46	6.65	7.74	7.88	7.86	6.83	6.56	6.47	6.81	6.46	6.53	6.52
26	6.46	6.62	7.39	7.92	7.57	7.37	6.55	6.45	6.71	6.52	6.50	6.50
27	6.48	6.61	7.21	7.80	7.41	8.44	6.55	6.44	6.68	6.59	6.48	6.48
28	6.47	6.61	7.10	7.51	7.30	8.51	6.54	6.44	6.66	6.50	6.46	6.47
29	6.49	6.70	7.03	7.34	---	8.32	6.53	6.46	6.59	6.48	6.46	6.47
30	6.57	7.14	6.97	7.23	---	8.28	6.52	6.44	6.54	6.58	6.49	6.48
31	6.63	---	6.99	7.14	---	9.28	---	6.43	---	7.13	6.53	---
Mean	6.50	6.65	7.43	7.79	7.77	7.48	6.92	6.55	6.56	6.87	7.02	7.26
Maximum	6.77	7.15	9.60	9.82	9.95	9.28	8.87	7.19	7.08	8.18	9.18	9.85
Minimum	6.39	6.49	6.77	7.04	7.04	6.81	6.52	6.43	6.36	6.46	6.46	6.47

Calendar year 1986 Mean 6.97 Maximum 11.52 Minimum 6.36
Water year 1987 Mean 7.06 Maximum 9.95 Minimum 6.36

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued

Station number 02231268, Alligator Creek at Callahan

[Gage height in feet, water year October 1987 through September 1988. ---, indicates no data]

Mean values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	6.50	6.45	6.60	6.61	6.96	7.00	6.73	7.81	6.34	6.37	6.47	7.19
2	6.49	6.45	6.59	6.62	6.93	6.95	6.71	8.59	6.33	6.39	6.66	7.50
3	6.48	6.46	6.58	6.63	6.89	6.92	6.69	7.43	6.34	6.41	6.62	8.19
4	6.46	6.57	6.58	6.67	6.86	7.13	6.68	7.02	6.36	6.39	6.51	8.11
5	6.45	6.59	6.57	6.69	6.85	7.98	6.67	6.83	6.39	6.35	6.50	8.36
6	6.45	6.57	6.56	6.68	6.98	8.15	6.64	6.71	6.47	6.31	6.49	10.26
7	6.45	6.55	6.56	6.76	7.17	7.99	6.62	6.64	6.49	6.29	6.52	12.64
8	6.44	6.53	6.58	7.03	7.10	7.61	6.61	6.60	6.50	6.27	6.65	11.82
9	6.43	6.52	6.59	7.50	7.00	7.39	6.60	6.57	6.48	6.27	6.78	11.85
10	6.43	6.54	6.61	7.22	6.94	7.51	6.58	6.55	6.54	6.33	7.35	11.20
11	6.44	6.53	6.62	7.17	6.88	7.68	6.57	6.58	6.55	6.65	7.29	9.50
12	6.47	6.53	6.62	6.98	6.85	7.42	6.64	6.58	6.53	8.01	7.22	8.26
13	6.48	6.52	6.62	6.86	6.81	7.23	6.69	6.57	6.49	7.78	6.81	7.69
14	6.47	6.51	6.61	6.80	6.78	7.10	6.73	6.58	6.45	7.08	7.43	7.38
15	6.46	6.51	6.63	6.76	6.81	7.00	6.68	6.59	6.41	6.89	8.57	7.17
16	6.45	6.51	6.72	6.74	6.96	6.92	6.63	6.56	6.39	6.65	7.36	7.03
17	6.45	6.65	6.87	6.73	7.11	6.87	6.60	6.52	6.37	6.57	7.00	6.99
18	6.45	6.87	6.80	6.78	6.98	6.86	6.58	6.48	6.34	6.69	6.81	7.03
19	6.45	7.23	6.71	6.85	8.27	6.91	6.61	6.45	6.31	6.60	6.68	7.08
20	6.45	7.00	6.68	7.00	12.08	6.97	6.62	6.43	6.39	6.50	6.60	7.35
21	6.45	6.85	6.66	8.12	12.85	6.90	6.61	6.41	6.37	6.44	6.56	7.07
22	6.44	6.77	6.65	9.27	10.90	6.84	6.57	6.40	6.34	6.50	6.54	6.90
23	6.43	6.69	6.65	8.06	9.02	6.79	6.55	6.40	6.33	6.70	6.58	6.79
24	6.44	6.64	6.64	7.51	8.08	6.77	6.54	6.39	6.33	7.03	6.95	6.71
25	6.44	6.63	6.64	7.50	7.66	6.76	6.54	6.43	6.34	7.19	7.35	6.65
26	6.45	6.62	6.64	7.69	7.41	6.87	6.59	6.46	6.33	7.08	6.96	6.61
27	6.47	6.61	6.64	7.46	7.25	7.09	6.60	6.46	6.42	6.70	7.33	6.59
28	6.48	6.62	6.64	7.25	7.15	7.00	6.58	6.45	6.38	6.55	8.54	6.57
29	6.47	6.62	6.63	7.13	7.06	6.89	6.53	6.42	6.39	6.48	7.51	6.59
30	6.46	6.62	6.62	7.05	---	6.81	6.61	6.39	6.40	6.44	7.07	6.64
31	6.45	---	6.62	7.00	---	6.76	---	6.37	---	6.43	6.97	---
Mean	6.46	6.63	6.64	7.13	7.68	7.13	6.62	6.67	6.40	6.66	6.99	7.99
Maximum	6.50	7.23	6.87	9.27	12.85	8.15	6.73	8.59	6.55	8.01	8.57	12.64
Minimum	6.43	6.45	6.56	6.61	6.78	6.76	6.53	6.37	6.31	6.27	6.47	6.57

Calendar year 1987 Mean 6.99 Maximum 9.95 Minimum 6.36

Water year 1988 Mean 6.91 Maximum 12.85 Minimum 6.27

[Gage height in feet, water year October 1988 through September 1989.]

Mean values

1	6.68	6.56	6.84	6.76	6.72	6.69	6.76	6.50	6.28	6.50	6.31	6.44
2	6.77	6.56	6.78	7.03	6.71	6.76	6.67	6.67	6.28	6.48	6.41	6.56
3	7.14	6.54	6.72	7.49	6.71	7.07	6.62	6.71	6.28	6.43	6.51	6.67
4	9.03	6.57	6.69	7.18	6.70	7.31	6.59	6.62	6.31	6.42	6.50	6.58
5	8.46	6.65	6.67	7.03	6.69	7.01	6.59	6.54	6.32	6.43	6.44	6.60
6	7.56	6.66	6.66	6.94	6.68	6.85	6.59	6.49	6.31	6.48	6.39	6.61
7	7.23	6.64	6.65	6.88	6.67	6.79	6.57	6.44	6.29	6.46	6.34	6.66
8	7.03	6.61	6.65	6.85	6.67	6.75	6.56	6.40	6.33	6.50	6.31	6.68
9	6.91	6.57	6.65	6.82	6.66	6.73	6.56	6.39	6.40	6.45	6.31	6.88
10	6.83	6.56	6.65	6.79	6.65	6.72	6.61	6.59	6.49	6.46	6.37	6.69
11	6.77	6.55	6.80	6.78	6.64	6.70	6.69	6.80	6.49	6.46	6.47	6.57
12	6.71	6.55	7.30	6.77	6.63	6.68	6.74	6.90	6.47	6.41	6.47	6.51
13	6.66	6.55	7.55	6.77	6.63	6.67	6.73	6.64	6.42	6.38	6.51	6.74
14	6.62	6.56	7.20	6.77	6.63	6.65	6.67	6.55	6.36	6.34	6.91	7.12
15	6.60	6.56	7.05	6.76	6.63	6.64	7.00	6.51	6.33	6.48	6.96	7.32
16	6.59	6.55	6.96	6.76	6.63	6.62	7.48	6.47	6.31	6.60	6.87	6.99
17	6.57	6.55	6.90	6.74	6.63	6.61	7.23	6.43	6.33	6.65	6.59	6.77
18	6.56	6.55	6.85	6.71	6.63	6.61	6.82	6.40	6.48	6.64	6.48	6.70
19	6.55	6.55	6.81	6.71	6.64	6.61	6.67	6.38	6.62	6.56	6.44	6.64
20	6.53	6.55	6.79	6.70	6.65	6.59	6.64	6.38	6.66	6.48	6.43	6.57
21	6.53	6.54	6.77	6.69	6.67	6.59	6.83	6.37	6.64	6.44	6.49	6.52
22	6.53	6.69	6.76	6.86	6.77	6.59	6.88	6.37	6.72	6.50	6.53	6.50
23	6.53	7.30	6.74	7.10	6.84	6.71	6.73	6.39	6.85	6.54	6.54	6.50
24	6.53	7.89	6.74	7.16	6.79	6.96	6.62	6.39	7.00	6.52	6.56	6.57
25	6.56	7.22	6.73	6.95	6.72	7.26	6.55	6.38	6.84	6.48	6.99	6.83
26	6.57	6.97	6.72	6.86	6.69	6.92	6.50	6.36	6.57	6.43	7.02	7.22
27	6.61	6.85	6.71	6.81	6.68	6.77	6.47	6.33	6.47	6.39	6.71	7.00
28	6.59	6.86	6.70	6.78	6.70	6.72	6.44	6.30	6.41	6.36	6.59	11.17
29	6.56	6.96	6.70	6.76	---	6.67	6.42	6.28	6.60	6.33	6.51	12.91
30	6.55	6.96	6.70	6.75	---	6.65	6.44	6.29	6.61	6.32	6.45	11.45
31	6.56	---	6.70	6.74	---	6.72	---	6.29	---	6.30	6.41	---
Mean	6.84	6.72	6.81	6.86	6.68	6.76	6.69	6.47	6.48	6.46	6.54	7.23
Maximum	9.03	7.89	7.55	7.49	6.84	7.31	7.48	6.90	7.00	6.65	7.02	12.91
Minimum	6.53	6.54	6.65	6.69	6.63	6.59	6.42	6.28	6.28	6.30	6.31	6.44

Calendar Year 1988 Mean 6.97 Maximum 12.85 Minimum 6.27

Water Year 1989 Mean 6.71 Maximum 12.91 Minimum 6.28

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued

Station number 02231280, Thomas Creek near Crawford

[Gage height in feet, water year October 1981 through September 1982. ---, indicates no data]

Mean values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	14.75	14.91	15.18	16.58	15.51	15.40	16.01	15.37	15.77	15.51	15.10	15.27
2	14.74	14.96	15.52	16.28	15.99	15.39	15.87	15.32	15.61	15.30	15.21	15.16
3	14.74	14.95	15.79	15.93	16.15	15.36	15.75	15.25	15.36	15.13	15.44	15.07
4	14.74	14.97	15.56	15.90	16.30	15.34	15.63	15.19	15.39	15.00	15.23	15.08
5	14.75	15.24	15.42	16.08	16.11	15.41	15.53	15.14	15.59	14.99	15.05	15.57
6	14.75	15.40	15.35	15.87	15.92	16.68	15.44	15.10	15.33	15.99	14.96	15.64
7	14.75	15.14	15.32	15.70	15.81	16.93	15.37	15.06	15.10	16.53	15.29	15.38
8	14.74	15.02	15.30	15.69	15.71	16.69	15.45	15.04	14.98	16.45	15.37	15.25
9	14.78	14.99	15.28	15.67	15.66	16.39	16.25	15.04	14.91	16.29	15.23	15.51
10	14.84	16.10	15.24	15.58	15.63	16.16	16.46	15.02	14.86	16.13	15.88	16.28
11	14.86	16.60	15.23	15.50	15.58	16.03	17.00	14.98	14.82	16.00	15.97	17.50
12	14.90	16.04	15.23	15.46	15.59	15.93	17.09	14.94	14.80	16.14	15.61	17.34
13	14.87	15.63	15.26	15.93	16.13	15.84	16.91	14.93	14.80	16.70	15.36	17.01
14	14.83	15.44	15.28	16.84	16.11	15.74	16.69	14.91	14.81	16.09	15.29	16.72
15	14.83	15.34	15.40	16.76	15.87	15.67	16.48	14.89	14.80	15.82	15.34	16.48
16	14.81	15.30	15.63	16.32	15.77	15.60	16.30	14.88	14.78	15.59	15.27	16.24
17	14.78	15.29	15.51	16.05	15.87	15.54	16.19	14.86	14.81	15.53	15.16	16.05
18	14.77	15.23	15.42	15.92	15.98	15.50	16.39	14.86	15.76	15.66	15.20	15.88
19	14.76	15.18	15.36	15.83	15.81	15.45	16.42	14.85	16.41	16.16	15.36	15.74
20	14.75	15.17	15.32	15.77	15.69	15.41	16.27	14.84	15.85	16.05	15.70	15.76
21	14.76	15.15	15.31	15.71	15.60	15.36	16.09	14.83	15.41	15.78	15.93	15.68
22	14.77	15.14	15.31	15.66	15.53	15.39	15.91	14.82	15.42	15.56	15.87	15.62
23	14.77	15.14	15.32	15.65	15.47	16.13	15.73	14.89	15.80	15.53	15.83	15.55
24	14.80	15.14	15.32	15.91	15.43	16.23	15.60	15.24	15.65	15.59	15.76	15.45
25	14.92	15.15	15.34	15.88	15.41	16.22	15.53	15.07	15.87	15.49	15.61	15.38
26	14.92	15.15	15.85	15.73	15.39	16.29	15.65	15.46	15.85	15.48	15.44	15.69
27	14.88	15.15	16.13	15.63	15.39	16.37	15.68	15.52	15.92	15.32	15.39	15.98
28	14.85	15.16	15.85	15.59	15.40	16.19	15.55	15.29	15.63	15.23	15.88	15.80
29	14.83	15.16	15.66	15.56	---	16.24	15.44	15.14	15.68	15.15	15.90	15.60
30	14.85	15.15	16.08	15.54	---	16.34	15.40	15.04	15.63	15.07	15.63	15.61
31	14.88	---	16.55	15.53	---	16.19	---	15.24	---	15.00	15.42	---
Mean	14.81	15.28	15.49	15.87	15.74	15.92	16.00	15.06	15.38	15.69	15.47	15.84
Maximum	14.92	16.60	16.55	16.84	16.30	16.93	17.09	15.52	16.41	16.70	15.97	17.50
Minimum	14.74	14.91	15.18	15.46	15.39	15.34	15.37	14.82	14.78	14.99	14.96	15.07

Calendar year 1981 Mean 15.33 Maximum 17.38 Minimum 14.53

Water year 1982 Mean 15.54 Maximum 17.50 Minimum 14.74

[Gage height in feet, water year October 1982 through September 1983]

Mean values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	15.80	15.44	15.35	15.93	16.39	16.25	16.63	15.67	15.72	17.02	16.60	15.05
2	15.72	15.43	15.33	15.81	16.59	16.30	16.57	15.59	15.48	17.49	16.50	15.90
3	15.58	15.41	15.32	16.33	16.87	16.21	16.45	15.51	15.34	17.51	16.40	16.14
4	15.47	15.42	15.30	16.34	16.74	16.10	16.34	15.60	15.26	17.31	16.28	15.85
5	15.82	15.44	15.28	16.03	16.56	16.02	16.22	15.78	15.77	16.98	16.22	15.66
6	17.34	15.41	15.28	15.86	16.55	15.96	16.12	15.61	16.65	16.72	16.14	15.48
7	17.19	15.36	15.29	15.77	16.70	16.73	16.08	15.49	16.51	16.50	16.09	15.33
8	16.91	15.34	15.29	15.70	16.71	17.32	16.46	15.40	17.35	16.33	16.18	15.20
9	16.66	15.34	15.30	15.66	16.58	17.14	16.95	15.34	17.36	16.21	16.25	15.13
10	16.43	15.32	15.30	15.71	16.47	16.90	17.77	15.30	17.05	16.05	16.53	15.08
11	16.30	15.29	15.33	15.69	16.53	16.70	17.47	15.27	16.78	15.83	16.95	15.04
12	16.33	15.29	15.49	15.62	16.62	16.53	17.12	15.23	16.80	15.64	16.74	15.00
13	16.32	15.29	15.71	15.55	16.87	16.39	16.87	15.20	17.32	15.51	16.51	15.04
14	16.19	15.33	15.57	15.51	17.52	16.28	16.67	15.17	17.04	15.43	16.37	15.17
15	16.07	15.33	15.48	15.49	17.52	16.19	16.53	15.13	16.72	15.35	16.37	15.19
16	15.93	15.30	15.57	15.47	17.20	16.56	16.49	15.13	16.45	15.26	16.31	15.14
17	15.80	15.29	15.73	15.44	17.02	17.34	16.47	15.28	16.19	15.18	16.09	15.10
18	15.70	15.30	15.59	15.42	16.92	18.02	16.35	15.30	15.95	15.11	15.86	15.07
19	15.62	15.31	15.49	15.41	16.78	17.67	16.29	15.26	15.78	15.05	15.66	15.37
20	15.57	15.33	15.47	15.56	16.64	17.30	16.26	15.43	15.64	15.02	15.50	15.53
21	15.52	15.35	15.43	16.72	16.53	17.21	16.14	15.34	15.76	15.10	15.37	15.78
22	15.48	15.37	15.38	17.01	16.45	17.12	16.01	15.22	16.36	15.37	15.26	15.77
23	15.59	15.36	15.35	17.26	16.50	16.90	16.10	15.14	16.26	15.36	15.18	15.50
24	15.92	15.32	15.35	17.36	16.53	16.85	16.54	15.11	16.62	15.51	15.11	15.28
25	15.99	15.30	15.35	17.09	16.43	16.98	16.56	15.08	16.77	15.38	15.06	15.17
26	15.79	15.31	15.33	16.86	16.31	16.89	16.40	15.04	16.57	15.28	15.04	15.13
27	15.66	15.45	15.32	16.72	16.21	16.77	16.22	15.02	16.36	15.64	15.01	15.14
28	15.57	15.47	15.31	16.72	16.16	16.74	16.03	15.09	16.25	15.72	15.01	15.09
29	15.50	15.43	15.30	16.71	---	16.66	15.88	16.00	16.43	15.69	14.97	15.07
30	15.46	15.38	15.39	16.59	---	16.52	15.76	16.36	16.70	16.05	14.98	15.09
31	15.43	---	15.91	16.48	---	16.54	---	16.14	---	16.26	15.00	---
Mean	15.96	15.36	15.42	16.12	16.67	16.74	16.46	15.39	16.37	15.90	15.86	15.32
Maximum	17.34	15.47	15.91	17.36	17.52	18.02	17.77	16.36	17.36	17.51	16.95	16.14
Minimum	15.43	15.29	15.28	15.41	16.16	15.96	15.76	15.02	15.26	15.02	14.97	15.00

Calendar year 1982 Mean 15.64 Maximum 17.50 Minimum 14.78

Water year 1983 Mean 15.96 Maximum 18.02 Minimum 14.97

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued

Station number 02231280 Thomas Creek near Crawford

[Gage height in feet, water year October 1983 through September 1984. ---, indicates no data]

Mean values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	15.06	15.79	15.79	17.12	16.21	17.13	16.78	---	---	---	---	---
2	15.03	15.73	15.72	16.91	16.12	16.89	16.59	---	---	---	---	---
3	15.01	15.54	15.68	16.74	16.06	16.72	16.51	---	---	---	---	---
4	14.98	15.39	15.72	16.61	16.05	16.57	17.19	---	---	---	---	---
5	14.96	15.31	15.85	16.50	16.09	16.46	17.40	---	---	---	---	---
6	14.95	15.27	15.77	16.41	16.01	16.58	17.14	---	---	---	---	---
7	14.94	15.25	15.73	16.33	15.92	17.27	16.89	---	---	---	---	---
8	14.97	15.53	15.66	16.26	15.86	17.27	16.68	---	---	---	---	---
9	14.98	15.61	15.59	16.18	15.82	17.02	16.69	---	---	---	---	---
10	15.01	15.53	15.55	16.15	15.80	16.81	16.97	---	---	---	---	---
11	15.15	15.42	15.60	16.15	15.76	16.64	16.91	---	---	---	---	---
12	15.70	15.31	16.40	16.11	15.74	16.49	16.74	---	---	---	---	---
13	15.69	15.25	16.49	16.10	15.83	16.41	16.60	---	---	---	---	---
14	15.78	15.21	16.30	16.17	16.20	16.36	16.46	---	---	---	---	---
15	15.60	15.18	16.24	16.13	16.08	16.27	16.36	---	---	---	---	---
16	15.60	15.19	16.25	16.09	15.90	16.15	16.43	---	---	---	---	---
17	15.55	15.17	16.19	16.06	15.80	16.05	16.49	---	---	---	---	---
18	15.46	15.16	16.19	16.12	15.73	15.96	16.37	---	---	---	---	---
19	15.33	15.15	16.13	16.27	15.68	15.88	16.23	---	---	---	---	---
20	15.23	15.66	16.08	16.32	15.64	15.81	16.08	---	---	---	---	---
21	15.19	16.80	16.12	16.39	15.63	15.85	15.93	---	---	---	---	---
22	15.21	16.54	16.21	16.47	15.82	15.82	15.81	---	---	---	---	---
23	16.01	16.13	16.17	16.37	16.57	15.71	15.74	---	---	---	---	---
24	16.33	15.99	16.12	16.31	16.65	15.64	15.87	---	---	---	---	---
25	15.88	16.24	16.03	16.47	16.52	15.60	15.79	---	---	---	---	---
26	15.61	16.38	15.92	16.66	16.34	15.56	15.63	---	---	---	---	---
27	15.46	16.21	15.87	16.75	16.70	16.18	---	---	---	---	---	---
28	15.34	16.09	16.24	16.68	17.69	17.62	---	---	---	---	---	---
29	15.27	16.01	17.48	16.57	17.47	17.72	---	---	---	---	---	---
30	15.22	15.90	17.73	16.44	---	17.30	---	---	---	---	---	---
31	15.24	---	17.40	16.32	---	17.00	---	---	---	---	---	---
Mean	15.35	15.66	16.14	16.39	16.13	16.48	---	---	---	---	---	---
Maximum	16.33	16.80	17.73	17.12	17.69	17.82	---	---	---	---	---	---
Minimum	14.94	15.15	15.55	16.06	15.63	15.56	---	---	---	---	---	---

Calendar year 1983 Mean 15.99 Maximum 18.02 Minimum 14.94

[Gage height in feet, water year October 1984 through September 1965]

Mean values

1	---	16.41	15.99	15.38	16.18	15.42	15.05	14.89	14.82	15.55	15.92	---
2	---	16.22	15.92	15.37	15.88	15.64	15.04	14.88	14.81	15.28	15.91	---
3	---	16.31	15.87	15.41	15.90	15.54	15.02	14.90	14.79	15.06	16.28	---
4	---	16.74	15.83	15.57	16.23	15.45	15.00	15.24	14.77	14.98	16.26	---
5	---	16.71	15.78	15.56	16.46	15.39	15.01	15.19	14.75	14.91	16.21	---
6	---	16.51	15.82	15.49	16.28	15.33	15.11	15.04	14.74	14.98	16.07	---
7	---	16.32	15.84	15.46	16.17	15.29	15.29	14.98	14.73	15.29	15.95	---
8	---	16.13	15.78	15.44	16.03	15.28	15.20	14.95	14.73	15.41	16.30	---
9	---	15.98	15.73	15.42	15.88	15.26	15.10	15.39	14.71	15.11	16.43	---
10	---	15.88	15.68	15.41	15.78	15.24	15.06	15.33	14.71	14.96	16.43	---
11	---	15.82	15.65	15.41	15.75	15.22	15.04	15.10	14.71	14.97	16.38	15.95
12	---	15.78	15.64	15.39	15.91	15.20	15.04	15.00	14.89	15.39	16.18	15.84
13	---	15.71	15.62	15.36	15.84	15.20	15.41	14.96	15.38	15.17	16.20	16.49
14	---	15.64	15.60	15.36	15.73	15.18	16.34	14.96	15.13	15.15	15.96	16.53
15	---	15.58	15.58	15.36	15.64	15.16	16.06	14.90	15.09	15.01	16.22	16.40
16	---	15.55	15.57	15.35	15.60	15.16	15.63	14.87	15.58	15.00	15.98	17.12
17	---	15.51	15.54	15.36	15.57	15.75	15.50	14.84	15.98	15.86	15.72	17.75
18	15.24	15.46	15.53	15.40	15.54	15.83	15.37	14.84	15.47	16.70	15.59	17.68
19	15.22	15.44	15.51	15.39	15.52	15.53	15.28	14.83	15.17	16.82	15.46	17.58
20	15.20	15.46	15.49	15.35	15.50	15.40	15.20	14.93	15.03	16.55	15.36	17.38
21	15.20	15.46	15.47	15.34	15.48	15.38	15.13	15.40	14.97	16.14	15.37	17.20
22	15.22	15.87	15.45	15.33	15.46	15.39	15.08	15.18	14.93	15.74	15.25	17.02
23	15.21	16.71	15.44	15.36	15.45	15.33	15.05	15.06	14.91	15.48	15.17	16.84
24	15.19	16.61	15.44	15.38	15.43	15.27	15.03	15.45	14.89	15.35	15.14	16.66
25	15.17	16.34	15.44	15.44	15.40	15.21	14.99	15.23	14.85	15.42	15.73	16.49
26	15.18	16.19	15.43	15.44	15.38	15.16	14.96	15.03	14.85	15.51	16.08	16.35
27	15.34	16.10	15.44	15.39	15.36	15.14	14.94	14.94	14.67	15.39	15.95	16.20
28	15.38	16.07	15.44	15.39	15.34	15.12	14.92	14.90	14.95	15.30	15.86	16.04
29	15.79	16.17	15.43	15.39	---	15.10	14.90	14.86	14.99	15.82	---	15.91
30	16.79	16.11	15.41	15.39	---	15.09	14.89	14.85	15.15	16.04	---	16.91
31	16.76	---	15.40	16.06	---	15.06	---	14.84	---	15.90	---	---
Mean	---	16.03	15.61	15.42	15.74	15.31	15.19	15.02	14.98	15.49	---	---
Maximum	---	16.74	15.99	16.06	16.46	15.83	16.34	15.45	15.98	16.82	---	---
Minimum	---	15.44	15.40	15.33	15.34	15.06	14.89	14.83	14.71	14.91	---	---

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florid--Continued

Station number 02231280, Thomas Creek near Crawford

[Gage height in feet, water year October 1985 through September 1986. ---, indicates no data]

Mean values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	17.60	17.27	16.36	16.34	16.04	16.12	15.40	15.09	15.16	15.08	14.86	17.07
2	17.48	17.23	16.63	16.53	16.01	16.19	15.39	15.08	15.12	15.05	14.85	16.87
3	17.21	17.06	16.52	16.41	15.98	16.08	15.38	15.06	15.44	15.17	14.87	16.61
4	16.99	16.93	16.36	16.41	15.95	16.34	15.34	15.06	15.52	15.15	14.87	16.35
5	16.97	16.93	16.25	17.08	15.97	16.92	15.33	15.07	15.44	15.07	14.90	16.30
6	16.79	16.78	16.18	17.23	17.05	16.90	15.33	15.07	15.35	15.31	15.06	16.50
7	16.56	16.60	16.07	17.10	17.51	16.72	15.33	15.08	15.21	15.23	15.00	16.55
8	16.38	16.46	15.99	17.07	17.50	16.56	15.32	16.14	15.11	15.07	15.15	16.36
9	16.37	16.35	15.94	17.01	17.90	16.42	15.31	16.39	15.02	14.99	15.07	16.14
10	16.44	16.50	15.90	17.19	17.68	16.32	15.31	15.76	15.01	14.94	15.61	16.03
11	16.55	16.53	15.89	17.91	17.61	16.24	15.33	15.52	15.03	14.91	15.68	16.13
12	16.62	16.45	15.86	17.73	17.54	16.17	15.34	15.39	15.02	14.93	15.31	16.13
13	16.54	16.37	16.18	17.38	17.28	16.74	15.37	15.39	15.05	15.20	15.23	15.94
14	16.43	16.29	17.74	17.14	17.07	17.18	15.47	15.50	15.22	15.29	15.59	15.80
15	16.30	16.23	17.70	16.95	16.91	16.81	15.47	15.39	15.36	15.10	15.85	15.70
16	16.18	16.18	17.31	16.80	16.79	16.30	15.32	15.30	15.28	15.01	15.64	15.57
17	16.07	16.10	17.05	16.68	16.67	16.02	15.27	15.23	15.59	15.01	15.44	15.47
18	16.02	16.02	16.87	16.60	16.59	15.82	15.25	15.19	16.20	15.10	15.28	15.61
19	16.10	15.99	16.73	16.59	16.54	15.80	15.24	15.22	16.45	15.10	15.52	15.97
20	16.27	16.21	16.60	16.59	16.48	15.74	15.24	15.96	16.49	14.96	15.84	15.78
21	16.10	16.47	16.49	16.51	16.40	15.73	15.56	15.94	16.24	14.90	16.26	15.63
22	16.19	16.48	16.41	16.41	16.32	15.68	15.96	15.58	16.27	14.88	16.47	15.51
23	16.10	16.38	16.35	16.33	16.27	15.65	15.60	15.38	16.00	14.91	16.24	15.42
24	15.96	16.29	16.30	16.28	16.24	15.63	15.44	15.26	15.73	14.92	15.87	15.36
25	16.05	16.22	16.27	16.23	16.18	15.60	15.36	15.17	15.51	14.92	15.57	15.29
26	16.19	16.14	16.21	16.24	16.09	15.58	15.30	15.11	15.34	14.92	15.39	15.24
27	16.72	16.07	16.14	16.33	16.03	15.57	15.25	15.07	15.23	14.94	15.35	15.19
28	17.22	15.99	16.11	16.25	16.03	15.56	15.19	15.06	15.14	14.97	16.08	15.17
29	17.61	15.94	16.09	16.17	---	15.54	15.14	15.03	15.07	14.94	16.17	15.14
30	17.48	15.91	16.06	16.14	---	15.53	15.11	15.02	15.04	14.90	16.67	15.11
31	17.29	---	16.00	16.09	---	15.44	---	15.07	---	14.87	17.09	---
Mean	16.61	16.41	16.41	16.70	16.67	16.09	15.35	15.34	15.45	15.02	15.57	15.86
Maximum	17.61	17.27	17.74	17.91	17.90	17.18	15.96	16.39	16.49	15.31	17.09	17.07
Minimum	15.96	15.91	15.86	16.09	15.95	15.44	15.11	15.02	15.01	14.87	14.85	15.11

Water year 1986 Mean 15.95 Maximum 17.91 Minimum 14.85

[Gage height in feet, water year October 1986 through September 1987]

Mean values

1	15.10	15.43	16.38	16.97	16.38	16.96	17.49	15.23	14.88	14.94	16.41	15.28
2	15.09	15.38	16.35	17.47	16.32	17.27	17.19	15.21	14.87	14.93	16.25	15.95
3	15.07	15.35	16.22	17.20	16.42	17.08	16.98	15.18	14.85	14.95	15.96	16.39
4	15.04	15.31	16.09	16.97	16.43	16.89	16.83	15.17	14.83	14.96	15.74	16.96
5	15.03	15.25	15.90	16.97	16.60	16.72	16.70	15.16	14.84	15.02	15.74	17.19
6	15.01	15.22	15.77	17.01	17.34	16.58	16.58	15.20	14.68	15.16	15.50	16.96
7	15.00	15.21	15.67	16.89	17.72	16.60	16.43	15.18	14.62	15.14	15.31	16.82
8	15.13	15.18	15.64	16.74	17.71	17.22	16.32	15.22	14.58	15.03	15.17	16.93
9	15.27	15.16	15.62	16.60	17.40	17.42	16.21	15.24	14.58	14.95	15.09	16.80
10	15.24	15.13	15.70	16.54	17.11	17.18	16.10	15.18	14.58	15.00	15.02	16.54
11	15.57	15.13	16.55	16.68	16.89	16.97	16.00	15.16	14.57	15.69	15.05	16.30
12	15.54	15.13	16.83	16.69	16.74	16.81	15.90	15.15	14.60	15.40	15.16	16.68
13	15.39	15.13	16.86	16.56	16.61	16.69	15.81	15.19	14.67	15.11	15.86	17.44
14	15.36	15.14	16.73	16.44	16.50	16.61	15.77	15.25	14.75	15.00	16.75	17.21
15	15.68	15.16	16.52	16.35	16.40	16.48	15.88	15.61	14.81	15.03	17.39	16.96
16	15.58	15.16	16.36	16.34	16.45	16.38	15.80	15.41	14.88	15.08	17.34	16.72
17	15.41	15.16	16.27	16.48	16.68	16.29	15.72	15.27	14.93	15.00	17.14	16.48
18	15.29	15.29	16.17	16.61	16.68	16.24	15.67	15.17	14.99	14.94	17.01	16.26
19	15.21	15.68	16.07	16.61	16.57	16.39	15.62	15.10	15.04	14.93	16.74	16.05
20	15.17	15.55	15.98	16.58	16.46	16.45	15.56	15.07	15.07	15.10	16.45	15.90
21	15.13	15.66	15.91	16.58	16.83	16.35	15.53	15.04	15.05	15.72	16.16	15.76
22	15.10	15.64	15.85	16.93	17.30	16.24	15.48	15.01	15.04	15.42	15.92	15.62
23	15.09	15.46	15.92	17.39	17.70	16.12	15.43	15.02	15.05	15.14	15.70	15.54
24	15.08	15.38	16.55	17.22	17.52	16.03	15.40	15.03	15.13	15.02	15.53	15.47
25	15.07	15.33	16.60	17.03	17.23	15.99	15.36	14.99	15.11	14.97	15.40	15.40
26	15.09	15.30	16.40	17.00	17.04	16.23	15.35	14.95	15.37	14.97	15.30	15.34
27	15.13	15.28	16.24	16.96	16.88	17.16	15.36	14.93	15.21	14.97	15.22	15.29
28	15.11	15.27	16.13	16.82	16.76	17.34	15.33	14.93	15.09	14.92	15.15	15.25
29	15.11	15.37	16.04	16.68	---	17.26	15.29	14.94	14.99	14.91	15.11	15.25
30	15.43	15.89	15.97	16.57	---	17.39	15.26	14.92	14.96	15.52	15.15	15.23
31	15.53	---	15.96	16.47	---	17.74	---	14.89	---	16.18	15.25	---
Mean	15.23	15.32	16.17	16.79	16.88	16.74	15.94	15.13	14.89	15.13	15.84	16.20
Maximum	15.68	15.89	16.86	17.47	17.72	17.74	17.49	15.61	15.37	16.18	17.39	17.44
Minimum	15.00	15.13	15.62	16.34	16.32	15.99	15.26	14.89	14.57	14.91	15.02	15.23

Calendar year 1986 Mean 15.73 Maximum 17.91 Minimum 14.85

Water year 1987 Mean 15.85 Maximum 17.74 Minimum 14.57

Appendix III.--Daily maximum, minimum, and mean gage height at sites in the Nassau River basin, Florida--Continued

Station number 02231280, Thomas Creek near Crawford

[Gage height in feet, water year October 1987 through September 1988. ---, indicates no data]

Mean values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	15.33	15.08	15.53	15.35	16.29	16.34	15.75	16.66	14.95	14.98	15.22	16.38
2	15.29	15.09	15.50	15.36	16.23	16.25	15.70	17.04	14.94	15.55	15.29	16.51
3	15.21	15.13	15.47	15.37	16.17	16.18	15.66	16.70	14.93	15.23	15.05	16.67
4	15.17	15.49	15.46	15.46	16.10	16.31	15.64	16.36	15.01	15.07	14.95	16.52
5	15.14	16.10	15.44	15.48	16.08	16.86	15.62	16.11	15.10	15.01	14.97	16.74
6	15.13	15.99	15.42	15.44	16.37	17.03	15.55	15.88	15.08	14.98	14.97	17.24
7	15.13	15.60	15.44	15.55	16.45	17.03	15.51	15.67	15.12	14.99	14.98	17.49
8	15.10	15.46	15.45	16.84	16.34	16.89	15.48	15.54	15.29	14.95	14.98	17.49
9	15.09	15.42	15.45	16.89	16.27	16.76	15.45	15.45	15.29	14.90	14.94	17.77
10	15.10	15.51	15.46	16.60	16.19	16.78	15.43	15.38	15.89	14.89	14.94	17.49
11	15.13	15.55	15.49	16.43	16.11	16.84	15.42	15.38	15.76	15.00	15.21	17.14
12	15.15	15.43	15.47	16.21	16.06	16.72	15.50	15.38	15.43	15.50	15.14	16.87
13	15.18	15.37	15.44	16.09	15.99	16.57	15.78	15.31	15.24	15.35	15.03	16.64
14	15.13	15.34	15.45	16.01	15.92	16.45	15.69	15.34	15.14	15.15	15.62	16.40
15	15.11	15.32	15.46	15.94	15.94	16.32	15.56	15.33	15.08	15.10	16.06	16.18
16	15.09	15.31	15.52	15.89	16.26	16.19	15.47	15.26	15.04	15.05	15.72	16.22
17	15.09	15.49	15.50	15.87	16.24	16.10	15.43	15.18	15.01	15.14	15.45	16.61
18	15.07	16.37	15.45	15.97	16.13	16.06	15.39	15.12	14.97	15.14	15.28	16.47
19	15.06	16.45	15.44	15.97	16.68	16.26	15.42	15.08	14.94	15.04	15.14	16.26
20	15.08	16.24	15.43	16.02	17.84	16.28	15.52	15.05	14.93	14.94	15.06	16.11
21	15.07	16.07	15.45	17.15	18.63	16.15	15.43	15.03	14.95	14.91	15.03	15.95
22	15.05	15.83	15.43	17.41	17.86	16.03	15.35	15.01	14.94	14.91	14.98	15.81
23	15.04	15.72	15.44	17.16	17.43	15.96	15.30	15.00	14.91	15.06	15.00	15.65
24	15.06	15.68	15.43	16.92	17.16	15.91	15.28	14.98	14.89	15.31	15.13	15.55
25	15.07	15.62	15.42	16.90	16.96	15.88	15.26	15.01	14.88	15.17	15.27	15.48
26	15.10	15.60	15.41	16.93	16.79	16.08	15.29	15.21	14.87	15.04	15.55	15.42
27	15.14	15.60	15.42	16.83	16.65	16.29	15.61	15.18	14.88	14.95	15.39	15.41
28	15.15	15.61	15.41	16.67	16.53	16.17	15.59	15.09	14.98	14.91	15.65	15.36
29	15.11	15.57	15.40	16.52	16.43	16.00	15.38	15.04	15.00	14.89	15.61	15.36
30	15.08	15.57	15.37	16.43	---	15.88	15.36	14.99	14.94	14.88	15.49	15.43
31	15.07	---	15.36	16.35	---	15.80	---	14.97	---	14.96	16.26	---
Mean	15.12	15.62	15.45	16.26	16.56	16.33	15.49	15.44	15.08	15.06	15.27	16.35
Maximum	15.33	16.45	15.53	17.41	18.63	17.03	15.78	17.04	15.89	15.55	16.26	17.77
Minimum	15.04	15.08	15.36	15.35	15.92	15.80	15.26	14.97	14.87	14.88	14.94	15.36

Calendar year 1987 Mean 15.80 Maximum 17.74 Minimum 14.57

Water year 1988 Mean 15.67 Maximum 18.63 Minimum 14.87

[Gage height in feet, water year October 1988 through September 1989.]

Mean values

1	15.48	15.22	15.77	15.62	15.42	15.47	---	15.25	14.82	15.55	---	15.88
2	15.76	15.22	15.71	16.02	15.40	15.61	---	15.71	14.80	15.56	---	---
3	15.84	15.19	15.66	15.98	15.40	16.16	---	15.76	14.79	15.31	---	---
4	16.54	15.28	15.63	15.82	15.38	16.11	15.14	15.43	14.78	15.19	15.60	---
5	16.51	15.76	15.61	15.71	15.37	15.86	15.23	15.25	14.78	15.23	---	17.04
6	16.26	16.26	15.57	15.65	15.35	15.71	15.23	15.15	14.85	15.13	---	---
7	16.04	15.79	15.55	15.62	15.33	15.63	15.17	15.07	14.89	15.31	---	---
8	15.85	15.54	15.54	15.60	15.35	---	15.23	15.00	14.89	15.33	---	16.50
9	15.71	15.45	15.54	15.57	15.32	---	15.20	14.96	15.01	15.13	---	---
10	15.63	15.40	15.53	15.55	15.29	15.56	15.19	14.98	15.19	15.04	---	---
11	15.57	15.37	15.64	15.54	15.28	---	15.22	15.18	15.34	14.99	15.80	---
12	15.51	15.37	16.35	15.55	15.28	---	15.35	15.14	15.28	14.94	---	---
13	15.44	15.37	16.42	15.56	15.27	---	15.29	15.03	15.06	14.91	---	---
14	15.41	15.38	16.21	15.54	15.27	---	15.21	14.99	14.93	14.92	---	---
15	15.38	15.36	16.06	15.52	15.26	---	15.55	14.97	14.87	14.92	---	16.00
16	15.35	15.34	15.97	15.50	15.25	---	16.26	14.93	14.85	14.95	---	---
17	15.32	15.34	15.90	15.47	15.24	15.30	15.90	14.90	14.85	15.07	---	---
18	15.29	15.34	15.85	15.44	15.25	---	15.55	14.89	15.28	15.11	15.40	---
19	15.27	15.34	15.80	15.42	15.28	---	15.40	14.88	15.99	15.14	---	---
20	15.25	15.34	15.77	15.41	15.30	---	15.33	14.88	16.12	15.12	---	---
21	15.26	15.32	15.75	15.43	15.32	---	15.51	14.88	15.87	15.20	---	---
22	15.26	15.55	15.73	15.74	16.13	---	15.50	14.88	16.03	15.38	---	15.68
23	15.21	16.73	15.70	16.02	16.24	---	15.34	14.89	15.98	15.31	---	---
24	15.19	16.78	15.69	15.84	15.81	15.60	15.22	14.88	15.75	15.58	---	---
25	15.21	16.32	15.67	15.69	15.64	---	15.14	14.87	15.61	15.58	16.00	---
26	15.19	16.05	15.64	15.60	15.56	---	15.08	14.85	15.40	15.37	---	---
27	15.17	15.91	15.61	15.55	15.53	---	15.03	14.84	15.24	15.19	---	---
28	15.16	15.86	15.61	15.52	15.49	---	15.00	14.83	15.12	15.08	---	18.16
29	15.16	15.86	15.61	15.49	---	---	14.96	14.82	15.13	14.98	---	18.60
30	15.16	15.83	15.61	15.47	---	---	14.97	14.83	15.65	14.96	---	---
31	15.20	---	15.60	15.45	---	15.46	---	14.82	---	14.95	---	---
Mean	15.50	15.63	15.75	15.61	15.43	---	---	15.02	15.24	15.18	---	---
Maximum	16.54	16.78	16.42	16.02	16.24	---	---	15.76	16.12	15.58	---	---
Minimum	15.16	15.19	15.53	15.41	15.24	---	---	14.82	14.78	14.91	---	---

Calendar Year 1988 Mean 15.72 Maximum 18.63 Minimum 14.87

Appendix IV.--Daily mean temperature at sites in the Nassau River basin, Florida
Station number 02231289, Nassau River near Hedges, Florida, 8 feet from bottom

[Water temperature in degrees Celsius, water year October 1983 through September 1984. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	---	---	12.4	12.5	16.7	24.3	24.0	27.3	27.6	27.6
2	---	---	---	---	12.2	12.3	16.7	24.5	23.8	27.2	27.9	28.0
3	---	---	---	---	12.5	12.4	16.7	24.5	24.0	26.9	28.3	28.2
4	---	---	---	---	13.1	12.8	16.7	24.6	24.6	27.3	28.7	28.2
5	---	---	---	---	13.3	13.7	16.8	24.9	25.3	27.7	29.2	28.0
6	---	---	---	---	12.7	14.6	16.8	25.2	25.9	28.0	29.4	27.3
7	---	---	---	---	11.9	15.1	17.2	25.9	26.3	28.4	29.4	26.1
8	---	---	---	---	11.3	14.9	17.7	26.3	26.5	28.8	29.8	25.2
9	---	---	---	---	11.2	15.1	18.3	26.0	26.7	29.2	30.0	24.7
10	---	---	---	---	11.5	15.0	18.5	25.4	26.7	29.2	30.3	24.2
11	---	---	---	---	12.1	14.9	17.8	25.0	26.6	29.2	30.3	24.3
12	---	---	---	---	12.8	14.9	17.5	24.9	26.8	29.3	30.0	24.9
13	---	---	---	---	13.6	15.4	18.3	25.1	26.7	29.5	29.9	25.6
14	---	---	---	---	14.3	16.2	19.4	25.4	26.3	29.5	29.9	26.3
15	---	---	---	---	14.6	16.7	20.0	25.4	26.7	29.5	30.1	26.8
16	---	---	---	---	14.8	17.2	19.6	24.7	27.3	29.5	30.2	27.0
17	---	---	---	---	15.1	17.8	19.0	24.3	27.6	29.6	30.3	26.1
18	---	---	---	---	15.4	18.4	18.6	23.8	27.9	29.3	30.2	25.1
19	---	---	---	---	15.7	19.0	18.9	23.7	28.3	28.7	30.0	24.5
20	---	---	---	10.1	16.1	19.2	19.4	23.9	28.8	28.0	29.7	24.0
21	---	---	---	9.2	16.1	18.6	20.2	24.4	29.1	27.9	29.2	24.0
22	---	---	---	8.4	16.0	18.2	21.1	24.9	28.7	27.9	28.5	24.2
23	---	---	---	8.5	15.7	18.2	21.4	25.1	28.5	27.8	27.1	24.5
24	---	---	---	9.2	15.6	18.4	21.1	25.2	28.5	28.0	26.9	24.8
25	---	---	---	10.2	15.8	19.0	21.3	25.6	28.7	28.5	27.3	25.0
26	---	---	---	10.8	15.7	19.3	21.7	25.9	28.7	28.8	27.3	25.2
27	---	---	---	11.4	15.9	19.0	22.3	25.9	28.7	28.9	27.1	25.3
28	---	---	---	12.1	15.3	18.9	22.8	25.9	28.2	28.6	27.0	25.0
29	---	---	---	12.6	13.4	18.3	23.4	25.9	28.0	28.5	26.9	23.5
30	---	---	---	12.8	---	17.2	24.0	25.6	27.5	28.0	26.9	23.2
31	---	---	---	12.7	---	16.9	---	24.7	---	27.8	27.2	---
Mean	---	---	---	---	14.0	16.5	19.3	25.1	27.0	28.5	28.8	25.6
Maximum	---	---	---	---	16.1	19.3	24.0	26.3	29.1	29.6	30.3	28.2
Minimum	---	---	---	---	11.2	12.3	16.7	23.7	23.8	26.9	26.9	23.2

[Water temperature in degrees Celsius, water year October 1984 through September 1985]

1	22.8	---	13.6	18.1	---	17.1	20.8	24.5	26.9	---	27.7	---
2	21.9	---	14.0	18.3	---	17.3	20.3	24.5	27.5	---	27.4	---
3	21.2	---	14.6	18.4	---	17.3	19.8	24.0	28.3	---	27.8	---
4	20.9	---	14.9	18.1	---	17.9	19.6	23.3	28.9	---	27.2	---
5	20.9	---	15.0	16.2	---	18.6	19.9	22.5	29.3	---	27.1	---
6	21.2	---	15.1	15.1	---	18.9	20.1	23.0	29.4	---	27.4	---
7	21.5	---	13.8	14.3	---	18.3	19.8	23.3	29.4	---	27.3	---
8	22.1	---	12.9	13.9	12.5	18.4	20.0	23.6	29.4	---	27.0	---
9	22.6	---	12.4	13.3	11.8	18.6	19.6	23.7	29.4	---	26.7	---
10	23.0	---	12.4	13.0	11.5	18.8	19.2	24.0	29.6	---	27.4	---
11	23.1	---	12.6	13.0	11.5	18.6	19.1	24.4	29.7	---	27.4	---
12	22.6	---	12.9	12.3	11.1	18.9	19.2	24.9	29.3	---	27.6	---
13	22.3	---	13.2	11.2	10.1	19.5	19.1	25.4	28.6	---	27.8	---
14	22.3	---	13.5	10.6	9.9	19.9	18.9	25.8	---	---	27.1	---
15	22.4	---	13.9	10.1	10.1	20.0	19.3	26.3	---	---	27.3	---
16	22.7	---	14.4	10.0	10.1	19.4	19.8	26.7	---	---	28.0	---
17	---	---	14.8	10.3	10.2	18.8	20.1	26.4	---	27.9	27.7	---
18	---	---	15.3	10.8	10.6	17.9	20.4	25.6	---	28.0	28.0	---
19	---	---	15.5	10.7	11.1	17.3	20.8	25.1	---	28.4	28.3	---
20	---	16.8	15.7	10.4	11.7	17.2	21.4	24.6	---	28.4	28.2	---
21	---	16.2	15.8	8.7	12.1	17.3	21.8	24.6	---	28.7	27.5	---
22	---	14.4	16.0	7.3	12.5	17.7	22.3	25.2	---	28.6	27.7	---
23	---	13.0	16.3	6.9	13.2	18.1	22.7	25.4	---	28.5	28.2	---
24	---	12.7	16.6	6.9	14.0	18.2	23.1	25.4	---	28.4	28.2	---
25	---	12.6	16.8	7.4	14.9	18.3	23.5	25.5	---	27.4	27.4	25.0
26	---	12.9	16.8	7.6	15.7	18.2	24.0	25.5	---	27.4	27.8	25.6
27	---	13.5	16.8	7.4	16.4	18.3	24.4	25.5	---	28.0	26.8	25.9
28	---	14.1	17.0	7.9	16.8	18.6	24.8	25.5	---	28.0	---	25.3
29	---	13.9	17.4	8.5	---	19.2	25.0	25.7	---	27.5	---	24.8
30	---	13.6	17.6	8.7	---	19.8	24.8	26.2	---	28.0	---	24.9
31	---	---	17.8	9.5	---	20.5	---	26.7	---	27.4	---	---
Mean	---	---	15.0	11.4	---	18.5	21.1	24.9	---	---	---	---
Maximum	---	---	17.8	18.4	---	20.5	25.0	26.7	---	---	---	---
Minimum	---	---	12.4	6.9	---	17.1	18.9	22.5	---	---	---	---

Appendix IV.--Daily mean temperature at sites in the Nassau River basin, Florida--Continued
Station number 02231289, Nassau River near Hedges, Florida, 8 feet from bottom

[Water temperature in degrees Celsius, water year October 1985 through September 1986. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	25.0	22.6	22.4	11.4	10.6	13.1	18.5	---	27.4	---	---	---
2	25.5	22.2	22.1	11.7	8.9	12.7	18.7	23.5	27.7	---	---	---
3	25.7	22.1	20.7	12.0	9.2	12.7	18.6	23.6	27.7	---	---	---
4	25.9	21.4	19.2	12.4	11.2	11.7	19.6	22.8	27.7	---	---	---
5	26.0	20.0	18.6	12.5	11.1	12.7	20.1	22.9	27.7	---	---	---
6	25.5	19.3	18.0	7.1	14.7	13.3	20.5	23.3	27.7	---	---	---
7	24.5	18.9	17.0	11.1	15.4	13.2	20.0	23.9	27.9	---	---	---
8	23.8	18.8	16.2	9.9	15.9	13.9	21.0	24.6	28.3	---	---	---
9	23.7	18.8	15.6	8.9	16.0	13.9	19.1	24.9	28.7	---	---	---
10	23.8	19.4	15.9	9.3	13.9	15.1	19.2	24.4	29.0	---	---	---
11	23.7	20.2	16.6	6.2	15.2	16.6	18.4	23.8	29.2	---	---	28.5
12	24.2	20.8	17.1	7.5	14.3	16.8	18.2	23.6	---	---	---	28.8
13	24.7	21.2	16.2	9.5	13.9	17.8	18.7	23.6	---	---	---	29.0
14	24.9	21.7	15.7	9.2	12.8	18.3	19.0	23.7	---	---	---	29.2
15	25.2	22.1	16.1	10.6	12.6	18.4	19.0	23.9	---	---	---	29.0
16	25.5	22.3	14.8	10.8	10.8	18.3	19.9	24.2	---	---	---	29.2
17	25.5	22.3	13.5	11.2	12.8	18.2	---	24.4	---	---	---	29.3
18	25.6	22.5	12.3	11.7	13.2	18.3	---	24.7	---	---	---	28.9
19	25.8	22.7	11.7	12.2	14.5	18.8	---	24.8	---	---	---	28.4
20	25.6	22.8	11.4	12.5	15.7	19.2	---	24.5	---	---	---	28.5
21	25.5	23.0	10.9	12.6	16.3	18.6	---	24.5	---	---	---	28.6
22	25.4	22.7	10.6	12.4	17.2	17.4	---	24.5	---	---	---	28.8
23	25.4	22.3	10.1	13.0	17.6	16.4	---	24.6	---	---	---	28.9
24	25.2	22.0	10.8	13.1	17.1	16.1	---	25.0	---	---	---	29.1
25	25.1	21.7	10.8	13.0	15.5	15.7	---	25.7	---	---	---	29.3
26	25.1	21.6	10.1	12.9	15.3	17.0	---	26.1	---	---	---	29.5
27	24.8	21.7	8.5	12.0	15.9	17.4	---	26.4	---	---	---	29.8
28	24.4	21.8	5.4	10.5	14.9	17.8	---	26.7	---	---	---	30.1
29	24.0	22.1	9.0	9.5	---	18.1	---	27.0	---	---	---	30.4
30	23.4	22.3	8.9	10.0	---	18.3	---	27.3	---	---	---	30.4
31	23.1	---	10.3	9.3	---	18.4	---	27.2	---	---	---	---
Mean	24.9	21.4	14.1	10.8	14.0	16.3	---	---	---	---	---	---
Maximum	26.0	23.0	22.4	13.1	17.6	19.2	---	---	---	---	---	---
Minimum	23.1	18.8	5.4	6.2	8.9	11.7	---	---	---	---	---	---

[Water temperature in degrees Celsius, water year October 1986 through September 1987]

1	30.3	21.8	21.1	14.1	12.0	15.8	16.9	22.4	27.2	---	---	28.7
2	30.3	21.7	20.6	13.4	12.4	16.4	16.2	22.8	27.7	---	---	27.9
3	30.4	21.8	20.0	12.7	12.8	16.2	15.5	23.3	28.3	---	---	27.1
4	30.4	21.8	18.9	12.3	13.2	16.3	14.0	23.8	28.7	---	28.0	26.4
5	30.3	22.0	17.9	12.3	13.5	16.0	13.5	23.8	28.7	---	28.0	25.9
6	30.3	22.2	16.9	11.9	13.6	15.6	13.7	23.0	28.7	---	28.8	25.8
7	30.1	22.6	16.0	11.4	13.6	15.4	14.4	23.0	28.2	28.8	---	26.0
8	29.6	23.0	16.1	11.5	13.7	15.8	15.0	23.3	---	28.9	---	26.5
9	29.4	23.2	16.4	11.7	13.6	16.3	15.6	23.6	---	29.0	---	26.7
10	29.1	23.5	17.0	12.1	13.0	16.5	16.2	23.5	---	28.9	---	26.9
11	28.7	23.8	17.6	12.5	12.6	15.9	16.9	23.4	---	28.8	29.4	27.0
12	27.8	24.0	18.0	12.0	12.6	15.1	17.7	23.6	---	29.0	29.1	26.6
13	27.5	23.9	17.6	11.9	13.0	14.8	18.6	24.0	---	29.1	28.5	26.3
14	27.7	22.4	16.7	12.0	13.3	14.9	19.4	24.1	---	29.1	27.9	26.4
15	27.3	20.5	16.2	12.5	13.4	15.1	20.0	24.4	---	28.6	27.4	26.4
16	26.0	19.7	16.3	13.0	14.5	15.5	19.9	24.9	---	28.3	27.1	26.5
17	24.9	19.8	16.3	13.5	14.8	15.8	19.4	25.3	---	28.2	27.3	26.4
18	24.0	20.2	16.6	13.9	14.3	15.8	19.2	25.6	---	27.8	27.8	26.6
19	22.9	20.6	16.8	14.8	14.2	16.5	19.2	25.8	---	27.1	28.3	26.9
20	22.0	20.9	16.8	15.0	14.0	16.9	19.6	26.0	---	26.7	28.6	27.0
21	20.9	20.8	16.5	14.8	13.6	16.9	20.2	26.6	---	26.8	28.4	27.2
22	20.4	20.3	15.9	14.3	13.3	17.2	20.8	26.9	---	27.2	28.4	26.8
23	20.6	20.2	15.5	13.2	13.5	17.6	21.5	26.9	---	27.5	28.3	26.3
24	20.9	20.4	16.0	12.6	13.6	---	22.0	27.1	---	27.9	28.3	26.7
25	21.2	20.8	16.1	12.4	13.8	---	22.2	27.4	---	27.9	28.5	26.9
26	21.6	21.2	15.8	12.1	13.9	---	22.0	27.4	---	27.8	28.7	26.6
27	21.9	21.4	15.4	11.3	14.0	---	21.7	27.3	---	27.8	28.7	26.4
28	21.8	21.4	15.1	10.7	14.5	---	21.7	26.9	---	27.8	28.8	26.5
29	21.7	21.2	14.5	10.8	---	---	22.0	26.7	---	---	28.9	26.6
30	21.5	21.2	14.3	11.3	---	---	22.1	26.7	---	---	28.9	26.7
31	21.5	---	13.9	11.9	---	---	---	26.8	---	---	28.9	---
Mean	25.6	21.6	16.7	12.6	13.5	---	18.6	25.0	---	---	---	26.7
Maximum	30.4	24.0	21.1	15.0	14.8	---	22.2	27.4	---	---	---	28.7
Minimum	20.4	19.7	13.9	10.7	12.0	---	13.5	22.4	---	---	---	25.8

Appendix IV.--Daily mean temperature at sites in the Nassau River basin, Florida--Continued
Station number 02231289, Nassau River near Hedges, Florida, 8 feet from bottom

[Water temperature in degrees Celsius, water year October 1987 through September 1988. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	26.3	19.1	14.1	---	12.0	14.0	21.1	20.4	---	---	---	---
2	25.7	19.7	14.5	---	12.8	14.5	21.3	19.9	---	---	---	---
3	25.2	20.1	14.1	---	13.7	14.8	21.6	18.9	---	---	---	---
4	24.1	20.7	13.5	---	14.7	---	21.9	19.4	---	---	---	---
5	23.1	20.6	13.4	---	15.0	---	22.4	19.5	---	---	---	---
6	22.8	19.3	13.8	---	13.9	---	22.4	21.3	---	---	---	---
7	22.6	19.0	14.2	---	12.8	---	---	---	---	---	---	---
8	22.1	19.0	14.5	---	12.2	---	---	---	---	---	---	---
9	21.7	19.5	14.7	---	12.1	---	---	---	---	---	---	---
10	21.8	19.6	15.3	---	12.1	---	---	---	---	---	---	---
11	21.9	18.7	15.7	---	12.2	---	---	---	---	---	---	---
12	21.7	17.9	15.7	---	12.3	---	---	24.0	---	---	---	---
13	21.0	17.5	15.9	---	11.8	---	---	24.6	---	---	---	---
14	20.3	17.4	16.1	---	11.7	---	---	24.3	---	---	---	---
15	19.2	17.2	16.6	---	11.8	16.9	---	24.4	---	---	---	---
16	19.0	14.5	16.2	---	11.8	16.0	---	24.9	---	---	---	---
17	19.2	16.0	---	---	11.9	14.9	---	25.3	---	---	---	---
18	19.6	15.6	---	---	11.8	15.1	---	25.5	---	---	---	---
19	19.9	17.8	---	---	12.1	14.7	---	25.2	---	---	---	---
20	20.8	16.5	---	12.8	13.0	14.3	---	25.1	---	---	---	---
21	21.2	15.5	---	14.0	13.5	14.1	---	25.3	---	---	---	---
22	19.7	15.4	---	13.9	13.2	14.0	---	---	---	---	---	---
23	19.4	14.6	---	13.4	13.1	16.0	---	---	---	---	---	---
24	19.8	15.4	---	12.9	13.7	16.8	23.5	---	---	---	---	---
25	19.8	16.3	---	12.6	13.8	17.6	24.0	---	---	---	---	---
26	19.6	17.0	---	11.9	13.5	18.5	23.6	---	---	---	---	---
27	19.5	16.4	---	11.2	13.2	19.2	23.7	---	---	---	---	---
28	19.2	15.2	---	10.7	13.4	19.6	23.7	---	---	---	---	---
29	18.3	15.6	---	10.5	13.5	19.8	23.1	---	---	---	---	---
30	18.2	14.9	---	10.6	---	19.6	22.6	---	---	---	---	---
31	18.3	---	---	11.2	---	20.8	---	---	---	---	---	---
Mean	21.0	17.4	---	---	12.8	---	---	---	---	---	---	---
Maximum	26.3	20.7	---	---	15.0	---	---	---	---	---	---	---
Minimum	18.2	14.5	---	---	11.7	---	---	---	---	---	---	---

Appendix IV.--Daily mean temperature at sites in the Nassau River basin, Florida--Continued
Station number 02231289, Nassau River near Hedges, Florida, 25 feet from bottom

[Water temperature in degrees Celsius, water year October 1983 through September 1984. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	---	---	12.4	12.6	16.8	24.3	24.0	27.3	27.7	27.7
2	---	---	---	---	12.2	12.3	16.8	24.6	23.8	27.3	27.9	28.1
3	---	---	---	---	12.5	12.4	16.8	24.6	24.0	27.0	28.4	28.2
4	---	---	---	---	13.1	12.9	16.8	24.7	24.6	27.4	28.8	28.3
5	---	---	---	---	13.4	13.7	16.9	25.0	25.3	27.8	29.2	28.0
6	---	---	---	---	12.7	14.6	16.9	25.3	25.9	28.1	29.5	27.4
7	---	---	---	---	11.9	15.1	17.2	25.9	26.4	28.4	29.5	26.1
8	---	---	---	---	11.4	15.0	17.8	26.4	26.6	28.9	29.8	25.3
9	---	---	---	---	11.2	15.1	18.3	26.1	26.8	29.2	30.1	24.8
10	---	---	---	---	11.6	15.1	18.6	25.5	26.8	29.2	30.3	24.2
11	---	---	---	---	12.1	15.0	17.8	25.1	26.7	29.2	30.4	24.4
12	---	---	---	---	12.9	14.9	17.5	25.0	26.8	29.4	30.0	25.0
13	---	---	---	---	13.6	15.4	18.4	25.2	26.8	29.6	29.9	25.7
14	---	---	---	---	14.3	16.2	19.5	25.4	26.4	29.5	30.0	26.3
15	---	---	---	---	14.7	16.7	20.0	25.5	26.8	29.5	30.2	26.9
16	---	---	---	---	14.9	17.3	19.7	24.8	27.3	29.5	30.2	27.0
17	---	---	---	---	15.1	17.8	19.0	24.3	27.6	29.6	30.4	26.2
18	---	---	---	---	15.4	18.5	18.7	23.9	27.9	29.4	30.2	25.2
19	---	---	---	---	15.7	19.1	18.9	23.7	28.4	28.8	30.0	24.5
20	---	---	---	10.2	16.1	19.3	19.5	24.0	28.8	28.1	29.8	24.1
21	---	---	---	9.2	16.2	18.6	20.3	24.5	29.1	28.0	29.3	24.1
22	---	---	---	8.4	16.0	18.2	21.1	25.0	28.8	28.0	28.5	24.2
23	---	---	---	8.5	15.8	18.3	21.5	25.2	28.5	27.8	27.2	24.5
24	---	---	---	9.3	15.7	18.4	21.2	25.3	28.6	28.1	26.9	24.9
25	---	---	---	10.2	15.8	19.0	21.3	25.6	28.7	28.5	27.3	25.0
26	---	---	---	10.8	15.8	19.4	21.8	25.9	28.8	28.9	27.3	25.2
27	---	---	---	11.4	16.0	19.1	22.4	26.0	28.7	28.9	27.2	25.3
28	---	---	---	12.2	15.4	18.9	22.9	25.9	28.2	28.7	27.0	25.0
29	---	---	---	12.6	13.5	18.3	23.5	25.9	28.0	28.6	26.9	23.6
30	---	---	---	12.9	---	17.3	24.0	25.7	27.6	28.1	27.0	23.2
31	---	---	---	12.8	---	16.9	---	24.7	---	27.8	27.2	---
Mean	---	---	---	---	14.0	16.5	19.4	25.1	27.1	28.5	28.8	25.6
Maximum	---	---	---	---	16.2	19.4	24.0	26.4	29.1	29.6	30.4	28.3
Minimum	---	---	---	---	11.2	12.3	16.8	23.7	23.8	27.0	26.9	23.2

[Water temperature in degrees Celsius, water year October 1984 through September 1985]

1	22.9	---	---	18.7	---	17.8	---	---	---	26.8	28.4	---
2	22.0	---	---	18.9	---	17.9	---	---	---	26.8	28.4	---
3	21.2	---	---	19.1	---	18.0	---	---	---	27.0	27.9	---
4	20.9	---	---	18.7	---	18.5	---	---	---	27.1	27.2	---
5	20.9	---	---	16.9	---	19.2	---	---	---	27.4	27.1	---
6	21.2	---	---	15.7	---	19.5	---	---	---	27.4	27.4	---
7	21.6	---	---	15.0	---	19.0	---	---	---	27.7	27.4	---
8	22.1	---	---	14.5	13.2	19.1	---	---	---	28.1	27.0	---
9	22.6	---	---	14.0	12.4	19.3	---	---	---	28.6	27.1	---
10	23.0	---	---	13.6	12.1	19.5	---	---	---	29.0	---	---
11	23.1	---	---	13.6	12.1	19.3	---	---	---	29.3	---	---
12	22.7	---	---	12.9	11.7	19.6	---	---	---	29.2	---	---
13	22.4	---	---	11.8	10.7	20.2	---	---	---	28.9	---	---
14	22.3	---	---	11.2	10.5	20.5	---	---	28.3	28.5	---	---
15	22.5	---	---	10.8	10.7	20.7	---	---	27.5	28.7	---	---
16	22.7	---	---	10.6	10.7	20.0	---	---	26.5	28.6	---	---
17	---	---	---	11.0	10.8	19.5	---	---	26.4	28.9	---	---
18	---	---	---	11.5	11.2	18.5	---	---	26.9	28.8	---	---
19	---	---	---	11.3	11.7	18.0	---	---	27.2	28.8	---	---
20	---	---	---	11.0	12.3	17.9	---	---	27.2	28.8	---	---
21	---	---	---	9.3	12.7	18.0	---	---	26.9	29.1	---	---
22	---	---	---	7.9	13.2	18.3	---	---	27.0	29.2	---	---
23	---	---	---	7.5	13.8	18.7	---	---	27.3	29.3	---	---
24	---	---	---	7.5	14.6	18.9	---	---	27.6	29.1	---	---
25	---	---	---	8.0	15.5	18.9	---	---	27.7	28.5	---	25.1
26	---	---	---	8.2	16.3	18.8	---	---	27.9	28.3	---	25.6
27	---	---	---	8.0	17.1	18.9	---	---	28.1	28.4	---	26.0
28	---	---	---	8.5	17.5	19.3	---	---	28.0	28.7	---	25.4
29	---	---	---	9.2	---	19.2	---	---	27.6	28.6	---	24.8
30	---	---	---	9.3	---	---	---	---	27.1	28.4	---	24.9
31	---	---	18.4	10.1	---	---	---	---	---	28.5	---	---
Mean	---	---	---	12.1	---	---	---	---	---	28.4	---	---
Maximum	---	---	---	19.1	---	---	---	---	---	29.3	---	---
Minimum	---	---	---	7.5	---	---	---	---	---	26.8	---	---

Appendix IV.--Daily mean temperature at sites in the Nassau River basin, Florida--Continued
Station number 02231289, Nassau River near Hedges, Florida, 25 feet from bottom

[Water temperature in degrees Celsius, water year October 1985 through September 1986. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	25.1	22.5	22.9	10.4	10.4	14.6	18.7	---	26.9	---	---	---
2	25.5	22.1	22.5	11.0	10.9	13.7	19.0	22.7	27.2	---	---	---
3	25.8	21.9	20.9	11.7	11.4	13.5	19.4	22.7	27.2	---	---	---
4	26.0	21.2	19.4	12.3	12.1	13.7	19.9	22.0	27.2	---	---	---
5	26.1	19.6	18.7	12.8	12.9	13.6	20.5	22.1	27.2	---	---	---
6	25.6	18.8	18.0	12.3	14.0	13.7	20.9	22.6	27.2	---	---	---
7	24.4	18.4	16.9	11.9	15.0	14.0	21.3	23.3	27.4	---	---	---
8	23.7	18.3	16.0	11.5	15.4	14.2	21.7	23.9	27.7	---	---	---
9	23.7	18.3	15.8	10.6	15.6	14.6	21.4	24.3	28.2	---	---	---
10	23.7	19.0	15.7	10.5	15.8	15.6	20.5	23.7	28.5	---	---	---
11	23.6	19.8	16.1	10.8	16.2	16.3	19.9	23.0	28.6	---	---	28.6
12	24.1	20.5	16.6	10.5	15.6	16.7	19.8	22.9	---	---	---	28.9
13	24.8	21.0	17.2	10.1	13.7	17.8	19.9	22.9	---	---	---	29.1
14	25.0	21.4	17.1	9.7	12.3	18.6	19.8	23.0	---	---	---	29.2
15	25.3	21.9	15.5	9.5	12.0	18.6	20.0	23.3	---	---	---	29.1
16	25.6	22.1	13.9	9.8	12.0	18.5	20.1	23.5	---	---	---	29.2
17	25.6	22.2	12.5	10.3	12.4	18.4	19.7	23.8	---	---	---	29.4
18	25.7	22.4	11.3	10.8	13.1	18.5	19.5	24.1	---	---	---	29.0
19	25.8	22.5	10.7	11.3	14.0	19.1	19.6	24.2	---	---	---	28.5
20	25.7	22.7	10.3	11.6	15.1	19.5	19.7	23.8	---	---	---	28.6
21	25.6	22.9	9.9	11.7	16.0	18.6	20.0	23.8	---	---	---	28.7
22	25.5	22.9	9.6	11.9	16.9	17.4	---	23.9	---	---	---	28.8
23	25.5	22.7	9.5	12.3	17.3	16.2	---	23.9	---	---	---	29.0
24	25.3	22.3	10.0	12.4	17.0	15.9	---	24.4	---	---	---	29.2
25	25.1	22.0	10.3	12.4	16.6	16.2	---	25.0	---	---	---	29.4
26	25.1	22.0	9.5	12.3	15.6	16.9	---	25.5	---	---	---	29.6
27	24.8	22.0	9.1	11.3	15.5	17.5	---	25.9	---	---	---	29.9
28	24.5	22.2	9.3	9.6	15.4	17.9	---	26.1	---	---	---	30.2
29	23.9	22.5	9.8	9.3	---	18.2	---	26.4	---	---	---	30.5
30	23.3	22.7	9.8	9.8	---	18.4	---	26.7	---	---	---	30.5
31	23.0	---	9.9	10.0	---	18.5	---	26.7	---	---	---	---
Mean	24.9	21.4	14.0	11.0	14.3	16.6	---	---	---	---	---	---
Maximum	26.1	22.9	22.9	12.8	17.3	19.5	---	---	---	---	---	---
Minimum	23.0	18.3	9.1	9.3	10.4	13.5	---	---	---	---	---	---

[Water temperature in degrees Celsius, water year October 1986 through September 1987]

1	30.4	20.5	---	13.2	11.2	14.8	16.6	---	---	---	27.7	28.1
2	30.4	20.5	---	12.5	11.6	15.4	16.0	---	---	---	27.8	27.3
3	30.4	20.5	---	11.8	11.9	15.2	15.3	---	---	---	28.0	26.5
4	30.4	20.6	---	11.4	12.3	15.3	13.8	---	---	---	28.3	25.8
5	30.4	20.7	---	11.5	12.6	15.0	13.3	---	---	---	28.5	25.3
6	30.4	20.9	---	11.1	12.7	14.6	13.6	---	---	---	28.8	25.2
7	30.1	21.3	---	10.6	12.7	14.4	14.4	---	---	28.8	---	25.4
8	29.6	21.7	---	10.7	12.8	14.8	14.9	---	---	28.9	---	25.8
9	29.4	21.9	15.4	10.9	12.7	15.3	15.5	---	---	29.0	---	26.2
10	29.1	22.2	15.9	11.3	12.2	15.4	---	---	---	28.9	---	26.6
11	28.8	22.4	16.5	11.7	11.8	14.9	---	---	---	28.8	28.9	26.6
12	27.9	22.6	16.9	11.2	11.7	14.1	---	---	---	29.0	28.6	26.3
13	27.6	22.6	16.6	11.0	12.1	13.8	---	---	---	29.1	27.9	26.0
14	27.8	21.1	15.6	11.1	12.4	13.9	---	---	---	29.1	27.4	26.1
15	27.4	19.3	15.2	11.6	12.5	14.1	---	---	---	28.6	26.9	26.3
16	26.1	18.5	15.3	12.2	13.6	14.5	---	---	---	28.3	26.6	26.4
17	25.0	18.6	15.3	12.6	13.8	14.8	---	---	---	28.2	26.8	26.5
18	24.1	19.0	15.5	12.9	13.4	14.8	---	---	---	27.8	27.3	26.7
19	23.0	19.5	15.7	13.8	13.2	15.5	---	---	---	27.1	27.7	26.8
20	22.0	19.7	15.8	14.1	13.1	15.9	---	---	---	26.7	28.0	27.0
21	20.2	19.6	15.5	13.9	12.7	15.8	---	---	---	26.8	27.8	26.9
22	19.2	19.2	15.0	13.4	12.4	16.2	---	---	---	27.3	27.8	26.3
23	19.4	19.0	14.5	12.3	12.6	16.5	---	---	---	27.6	27.7	25.8
24	19.7	19.2	15.0	11.7	12.7	---	---	---	---	27.9	27.7	26.6
25	20.0	19.6	15.1	11.5	12.9	---	---	---	---	28.0	27.9	27.0
26	20.3	20.0	14.8	11.2	13.0	---	---	---	---	27.9	28.1	26.8
27	20.6	20.2	14.4	10.5	13.1	---	---	---	---	27.9	28.1	26.6
28	20.6	20.2	14.1	9.9	13.5	---	---	---	---	28.2	28.2	26.7
29	20.4	19.9	13.6	10.0	---	---	---	---	---	28.2	28.3	26.8
30	20.3	20.0	13.3	10.5	---	---	---	---	---	27.9	28.3	26.9
31	20.3	---	13.0	11.1	---	---	---	---	---	27.8	28.3	---
Mean	25.2	20.4	---	11.7	12.6	---	---	---	---	---	---	26.4
Maximum	30.4	22.6	---	14.1	13.8	---	---	---	---	---	---	28.1
Minimum	19.2	18.5	---	9.9	11.2	---	---	---	---	---	---	25.2

Appendix IV.--Daily mean temperature at sites in the Nassau River basin, Florida--Continued
Station number 02231289, Nassau River near Hedges, Florida, 25 feet from bottom

[Water temperature in degrees Celsius, water year October 1987 through September 1988. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	26.6	18.5	14.9	---	11.3	13.5	21.2	21.9	---	---	---	---
2	25.9	19.1	14.4	---	12.3	14.1	21.3	21.4	---	---	---	---
3	25.5	19.5	13.9	---	13.3	14.6	21.6	21.5	---	---	---	---
4	24.5	20.1	13.2	---	14.3	---	21.9	21.8	---	---	---	---
5	23.5	20.0	13.0	---	14.6	---	22.4	22.3	---	---	---	---
6	23.2	18.8	13.3	---	13.4	---	22.5	22.1	---	---	---	---
7	23.1	18.5	13.7	---	12.2	---	21.6	22.1	---	---	---	---
8	22.4	18.6	14.0	---	11.6	---	20.9	22.6	---	---	---	---
9	22.0	19.1	15.0	---	11.5	---	20.9	22.9	---	---	---	---
10	22.1	19.2	15.7	---	11.4	---	20.8	23.3	---	---	---	---
11	22.2	18.2	16.2	---	11.5	---	20.9	23.8	---	---	---	---
12	22.0	17.5	16.3	---	11.7	---	20.0	24.7	---	---	---	---
13	21.5	17.0	16.6	---	11.1	---	18.6	25.1	---	---	---	---
14	20.4	16.9	16.5	---	11.0	---	18.8	24.9	---	---	---	---
15	19.4	17.4	16.9	---	11.1	16.5	19.4	25.0	---	---	---	---
16	19.3	18.1	16.7	---	11.0	15.6	20.1	25.5	---	---	---	---
17	19.5	18.3	---	---	11.1	15.1	20.5	26.0	---	---	---	---
18	20.1	18.3	---	---	11.1	14.7	20.7	26.4	---	---	---	---
19	20.3	17.6	---	---	11.4	14.6	21.2	27.0	---	---	---	---
20	20.6	16.0	---	12.2	12.4	14.3	21.4	27.3	---	---	---	---
21	20.6	15.3	---	13.5	12.9	14.7	21.7	27.7	---	---	---	---
22	19.9	15.4	---	13.4	12.7	15.3	22.2	28.1	---	---	---	---
23	19.4	15.7	---	12.9	12.5	15.9	22.9	28.5	---	---	---	---
24	19.9	16.1	---	12.3	13.1	16.4	23.7	28.7	---	---	---	---
25	20.2	16.7	---	12.0	13.3	17.2	24.2	28.4	---	---	---	---
26	19.4	17.2	---	11.1	12.9	18.2	24.5	27.4	---	---	---	---
27	19.1	17.4	---	10.4	12.7	19.0	24.8	---	---	---	---	---
28	18.7	17.0	---	9.9	12.9	19.5	24.8	---	---	---	---	---
29	17.8	16.1	---	9.6	13.0	20.0	24.2	---	---	---	---	---
30	17.7	15.4	---	9.8	---	20.5	23.5	---	---	---	---	---
31	17.8	---	---	10.4	---	21.0	---	---	---	---	---	---
Mean	21.1	17.6	---	---	12.3	---	21.8	---	---	---	---	---
Maximum	26.6	20.1	---	---	14.6	---	24.8	---	---	---	---	---
Minimum	17.7	15.3	---	---	11.0	---	18.6	---	---	---	---	---

Appendix IV.--Daily mean temperature at sites in the Nassau River basin, Florida--Continued
Station number 022312893, Nassau River near Tisonia, Florida

[Water temperature in degrees Celsius, water year October 1984 through September 1985. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	---	---	---	---	---	---	---	---	---	26.0
2	---	---	---	---	---	---	---	---	---	---	---	24.5
3	---	---	---	---	---	---	---	---	---	---	---	25.0
4	---	---	---	---	---	---	---	---	---	---	---	25.5
5	---	---	---	---	---	---	---	---	---	---	---	25.5
6	---	---	---	---	---	---	---	---	---	---	---	25.5
7	---	---	---	---	---	---	---	---	---	---	---	26.0
8	---	---	---	---	---	---	---	---	---	---	---	26.5
9	---	---	---	---	---	---	---	---	---	---	---	27.0
10	---	---	---	---	---	---	---	---	---	---	---	27.5
11	---	---	---	---	---	---	---	---	---	---	---	28.0
12	---	---	---	---	---	---	---	---	---	---	---	28.5
13	---	---	---	---	---	---	---	---	---	---	28.5	28.5
14	---	---	---	---	---	---	---	---	---	---	28.5	26.5
15	---	---	---	---	---	---	---	---	---	---	28.5	25.0
16	---	---	---	---	---	---	---	---	---	---	28.5	24.0
17	---	---	---	---	---	---	---	---	---	---	29.0	23.5
18	---	---	---	---	---	---	---	---	---	---	29.0	23.0
19	---	---	---	---	---	---	---	---	---	---	29.5	23.5
20	---	---	---	---	---	---	---	---	---	---	29.0	23.5
21	---	---	---	---	---	---	---	---	---	---	28.5	24.0
22	---	---	---	---	---	---	---	---	---	---	29.0	---
23	---	---	---	---	---	---	---	---	---	---	29.0	---
24	---	---	---	---	---	---	---	---	---	---	29.0	---
25	---	---	---	---	---	---	---	---	---	---	29.0	---
26	---	---	---	---	---	---	---	---	---	---	28.5	---
27	---	---	---	---	---	---	---	---	---	---	28.5	---
28	---	---	---	---	---	---	---	---	---	---	28.0	---
29	---	---	---	---	---	---	---	---	---	---	28.5	---
30	---	---	---	---	---	---	---	---	---	---	28.5	---
31	---	---	---	---	---	---	---	---	---	---	27.5	---
Mean	---	---	---	---	---	---	---	---	---	---	---	---
Maximum	---	---	---	---	---	---	---	---	---	---	---	---
Minimum	---	---	---	---	---	---	---	---	---	---	---	---

[Water temperature in degrees Celsius, water year October 1985 through September 1986]

1	---	---	---	---	10.5	14.9	20.6	24.1	28.8	---	---	27.8
2	---	---	---	---	11.2	13.8	21.0	24.5	29.1	---	31.0	28.1
3	---	---	---	---	11.8	13.6	21.5	24.3	29.1	---	30.2	28.4
4	---	---	---	---	12.5	13.9	21.9	23.4	29.0	---	30.0	28.8
5	---	---	---	---	13.5	13.8	22.5	23.7	29.0	---	29.5	29.2
6	---	---	---	---	14.5	14.0	22.9	24.2	28.9	---	29.4	29.3
7	---	---	---	---	15.1	14.3	23.3	25.0	29.2	---	29.5	29.3
8	---	---	---	---	15.5	14.4	23.6	25.5	29.6	---	29.9	29.1
9	---	---	---	---	15.5	14.9	23.2	25.9	30.1	30.9	30.0	28.8
10	---	---	---	---	15.9	16.0	22.0	25.1	30.4	31.1	30.3	28.2
11	---	---	---	---	16.7	17.2	21.3	24.5	30.5	31.2	30.3	27.8
12	---	---	---	---	15.9	18.2	21.3	24.4	30.7	30.9	30.1	28.1
13	---	---	---	---	14.7	19.5	21.4	24.4	30.5	30.9	29.6	28.3
14	---	---	---	---	13.5	20.1	21.5	24.7	30.3	31.2	29.2	28.4
15	---	---	---	---	13.1	20.0	21.7	25.1	30.3	31.4	29.3	28.2
16	---	---	---	---	13.1	20.1	21.7	25.4	30.4	31.5	29.4	28.4
17	---	---	---	---	13.5	20.5	21.2	25.8	30.5	31.6	29.8	28.5
18	---	---	---	---	13.9	20.5	21.0	26.0	---	31.6	30.0	28.0
19	---	---	---	---	14.8	20.8	21.1	26.0	---	31.8	29.9	27.6
20	---	---	---	---	16.1	21.0	21.3	25.6	---	31.9	29.5	27.8
21	---	---	---	---	16.9	20.0	21.6	25.6	---	31.6	29.2	28.0
22	---	---	---	---	17.7	18.6	21.5	25.6	---	30.8	29.3	28.2
23	---	---	---	---	18.1	17.3	21.0	25.6	---	30.0	29.7	28.3
24	---	---	---	---	17.8	17.1	20.7	26.1	---	30.3	30.0	28.5
25	---	---	---	---	17.2	17.4	20.9	26.8	---	30.6	30.6	28.8
26	---	---	---	---	16.1	18.2	21.4	27.3	---	---	30.9	28.9
27	---	---	---	---	15.9	18.9	22.2	27.7	---	---	31.0	29.2
28	---	---	---	---	15.9	19.5	22.9	27.9	---	---	30.6	29.5
29	---	---	---	---	---	19.9	23.4	28.3	---	---	29.8	29.7
30	---	---	---	---	---	20.2	23.6	28.6	---	---	28.6	29.7
31	---	---	---	---	---	20.4	---	28.6	---	---	27.9	---
Mean	---	---	---	---	14.9	17.7	21.8	25.7	---	---	---	28.6
Maximum	---	---	---	---	18.1	21.0	23.6	28.6	---	---	---	29.7
Minimum	---	---	---	---	10.5	13.6	20.6	23.4	---	---	---	27.6

Appendix IV.--Daily mean temperature at sites in the Nassau River basin, Florida--Continued
Station number 022312893, Nassau River near Tisonia, Florida

[Water temperature in degrees Celsius, water year October 1986 through September 1987. ---, indicates no data]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	29.6	21.6	---	---	---	15.3	---	---	26.9	28.9	28.0	29.2
2	29.6	21.5	---	---	---	15.6	---	---	27.4	28.3	28.2	---
3	29.6	21.6	---	---	---	15.5	---	---	27.9	28.4	28.5	---
4	29.5	21.8	---	---	---	15.6	---	---	28.3	28.4	28.8	---
5	29.5	22.0	---	---	---	15.4	---	---	28.2	28.5	29.1	---
6	29.4	22.3	---	---	---	15.0	---	22.7	27.9	28.9	29.3	---
7	29.3	22.8	---	---	---	14.8	---	22.8	27.4	29.2	29.6	---
8	28.7	23.3	---	---	---	15.2	---	23.1	27.1	29.3	29.8	---
9	28.6	23.6	---	---	---	15.6	---	23.1	27.1	29.4	29.9	---
10	28.3	23.8	---	---	---	15.7	---	23.2	27.4	29.3	29.8	---
11	27.9	24.2	---	---	---	14.9	---	23.2	27.6	29.2	29.8	---
12	27.0	---	---	---	---	14.2	---	23.5	27.6	29.5	29.6	---
13	26.6	---	---	---	---	13.9	---	23.8	27.7	29.5	29.0	---
14	26.8	---	---	---	---	14.0	---	23.9	27.5	29.5	28.5	---
15	26.3	---	---	---	---	14.3	---	24.3	27.3	28.9	28.0	---
16	24.8	---	---	---	---	14.8	---	24.8	27.7	28.6	27.7	---
17	23.6	---	---	---	---	15.3	---	25.2	27.9	28.5	27.9	---
18	22.7	---	---	---	---	15.4	---	25.5	28.2	28.0	28.5	---
19	21.5	---	---	---	---	16.1	---	25.6	28.6	27.3	29.0	---
20	20.5	---	---	---	---	16.4	---	25.7	28.8	26.9	29.3	---
21	20.0	---	---	---	13.1	16.4	---	26.2	28.9	27.1	29.0	---
22	19.9	---	---	---	12.9	16.8	---	26.3	29.0	27.7	28.8	---
23	20.2	---	---	---	13.0	17.2	---	26.2	28.9	28.0	28.8	---
24	20.6	---	---	---	13.0	17.4	---	26.5	29.0	28.3	28.8	---
25	21.0	---	---	---	13.3	17.8	---	26.7	29.2	28.4	29.0	26.9
26	21.5	---	---	---	13.4	18.3	---	26.7	29.0	28.3	29.2	26.7
27	21.8	---	---	---	13.5	18.7	---	26.5	28.7	28.4	29.3	26.6
28	21.7	---	---	---	14.0	19.2	---	26.2	28.5	28.7	29.4	26.8
29	21.5	---	---	---	---	19.5	---	26.1	28.5	28.5	29.5	27.0
30	21.3	---	---	---	---	---	---	26.1	28.6	28.3	29.5	27.0
31	21.3	---	---	---	---	---	---	26.4	---	28.1	29.4	---
Mean	24.9	---	---	---	---	---	---	---	28.1	28.5	29.0	---
Maximum	29.6	---	---	---	---	---	---	---	29.2	29.5	29.9	---
Minimum	19.9	---	---	---	---	---	---	---	26.9	26.9	27.7	---

[Water temperature in degrees Celsius, water year October 1987 through September 1988]

1	26.5	---	---	14.9	11.3	13.0	20.1	20.5	25.9	28.7	---	---
2	25.8	---	---	15.0	12.2	13.4	20.2	20.3	26.2	28.3	---	---
3	25.3	---	---	14.4	13.1	13.9	20.4	20.7	26.4	28.2	---	---
4	23.9	---	---	13.5	14.0	14.3	20.7	21.1	25.8	28.1	---	---
5	22.8	---	---	12.6	14.2	14.7	21.2	21.4	24.3	27.8	---	---
6	22.7	---	---	11.9	12.8	14.7	21.3	21.2	24.5	27.1	---	---
7	22.5	---	---	11.4	11.4	14.8	20.4	21.1	25.1	26.7	---	---
8	22.0	---	---	10.5	10.9	15.2	19.5	21.7	25.6	26.9	---	---
9	21.6	---	---	9.8	10.8	15.6	19.5	22.1	26.0	27.4	---	---
10	21.8	---	15.2	9.2	10.8	15.7	19.6	22.4	26.2	28.1	---	---
11	22.0	---	15.6	9.0	10.9	15.3	19.8	22.9	25.9	28.4	---	---
12	21.6	---	15.6	8.9	11.1	15.7	18.9	---	25.4	28.0	---	---
13	20.9	---	15.8	9.2	10.4	16.6	17.5	24.0	25.3	28.4	---	---
14	19.7	---	16.1	9.0	10.3	16.8	17.6	23.6	25.2	28.7	---	---
15	18.9	---	16.6	8.5	10.4	15.6	18.2	23.7	25.3	---	---	---
16	18.8	---	15.9	8.2	10.3	14.6	18.9	24.1	25.6	---	---	---
17	19.1	---	14.5	8.8	10.4	14.0	19.4	24.5	26.3	---	---	---
18	19.6	---	13.8	9.8	10.4	13.7	19.7	24.9	26.8	---	---	---
19	19.9	---	13.7	10.7	10.8	13.8	20.2	25.5	27.4	---	---	---
20	20.7	---	14.1	11.9	11.6	13.5	20.4	25.7	27.6	---	---	---
21	21.8	---	14.8	12.9	11.8	13.8	20.7	26.1	27.8	---	---	---
22	---	---	15.2	12.5	11.9	14.5	21.2	26.5	28.3	---	---	---
23	---	---	15.2	11.9	11.9	15.1	21.8	26.8	28.7	---	---	---
24	---	---	15.4	11.4	12.2	15.8	22.6	27.0	29.4	---	---	---
25	---	---	16.2	11.2	12.1	16.6	23.0	26.7	29.8	---	---	---
26	---	---	16.9	10.5	12.1	17.6	23.3	25.7	30.1	---	---	---
27	---	---	17.4	10	12.0	18.4	23.6	24.2	29.8	---	---	---
28	---	---	17.9	9.6	12.2	18.8	23.5	24.2	29.3	---	---	---
29	---	---	17.2	9.5	12.4	19.1	22.8	24.4	28.9	---	---	---
30	---	---	15.7	9.8	---	19.5	22.1	24.9	29.0	---	---	---
31	---	---	14.8	10.4	---	19.9	---	25.3	---	---	---	---
Mean	---	---	---	10.9	11.6	15.6	20.6	---	26.9	---	---	---
Maximum	---	---	---	15.0	14.2	19.9	23.6	---	30.1	---	---	---
Minimum	---	---	---	8.2	10.3	13.0	17.5	---	24.3	---	---	---

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida
Station number 02231289, Nassau River near Hedges, Florida, 8.0 feet from bottom

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1983 through September 1984. ---, indicates no data]
Maximum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	---	---	1200	400	300	9200	34500	24700	---	---
2	---	---	---	---	1700	400	400	11100	35900	25200	---	---
3	---	---	---	---	2100	400	400	11500	31000	25300	---	---
4	---	---	---	---	2200	400	400	10600	32800	23800	---	---
5	---	---	---	---	1600	500	400	11300	33700	25600	---	---
6	---	---	---	---	1100	500	400	12400	32400	---	---	---
7	---	---	---	---	1400	400	400	11600	33600	---	---	---
8	---	---	---	---	2800	500	400	11800	33400	---	---	---
9	---	---	---	---	3700	300	400	14700	34200	---	---	---
10	---	---	---	---	3400	400	500	16400	35700	---	---	---
11	---	---	---	---	3400	400	1200	19600	36500	---	---	---
12	---	---	---	---	5100	400	1700	22000	36900	---	---	---
13	---	---	---	---	8600	600	1700	21900	37500	---	---	---
14	---	---	---	---	9500	700	1400	21100	37500	---	---	---
15	---	---	---	---	10100	900	1300	25300	32000	---	---	---
16	---	---	---	---	11400	1200	1300	32000	31200	---	---	---
17	---	---	---	---	12300	3600	900	31200	30000	---	---	---
18	---	---	---	---	12900	5500	700	31600	29800	---	---	---
19	---	---	---	---	12900	8000	700	29200	28100	---	---	---
20	---	---	---	12700	12800	7600	900	23900	28200	---	---	---
21	---	---	---	21400	11800	5700	1200	23600	32400	---	---	---
22	---	---	---	16900	14000	3000	1600	25100	33100	---	---	---
23	---	---	---	13100	13800	2600	1800	26000	32000	---	---	---
24	---	---	---	8100	3000	3400	1000	26500	30500	---	---	---
25	---	---	---	3300	1800	5500	2200	29800	30100	---	---	---
26	---	---	---	2400	2200	3900	3200	27600	31400	---	---	---
27	---	---	---	2300	8500	5900	5800	26900	29400	---	---	---
28	---	---	---	1600	600	700	6600	28000	27400	---	---	---
29	---	---	---	1100	300	300	9300	27200	27100	---	---	---
30	---	---	---	1100	---	300	10000	29400	24900	---	---	---
31	---	---	---	1100	---	300	---	32500	---	---	---	---
Maximum	---	---	---	---	14000	8000	10000	32500	37500	---	---	---

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1984 through September 1985. ---, indicates no data]
Maximum values

1	13700	---	17000	25800	---	29400	28800	38200	43000	43700	30500	11900
2	9700	---	18800	26700	---	27900	31000	37200	43200	42900	30200	1200
3	7700	---	19700	27500	---	26900	34200	37700	43500	42500	36300	700
4	5700	---	20000	28400	---	30700	35200	39200	44300	41500	41900	600
5	5300	---	25100	24700	---	29800	37000	43400	44200	41900	39500	600
6	6400	---	24900	30200	---	32300	37200	42100	44000	40600	35600	600
7	9500	---	21500	30700	---	38200	35000	40400	43700	38000	31300	700
8	12000	---	21500	29600	27500	36600	36600	38000	44200	35200	23000	700
9	15600	---	21800	33900	26700	34500	36800	39600	43000	36400	18600	800
10	20800	---	22000	35900	25200	32000	35800	35700	42300	36300	18600	900
11	25100	---	22600	33400	26400	34200	36000	37000	41100	34800	18700	1000
12	22500	---	24900	32100	19400	32000	35000	37100	39800	35700	20200	2400
13	17200	---	25500	32500	15200	27800	34500	37100	40800	29600	19000	13200
14	17000	---	23800	31200	19400	29100	34700	37200	40400	26500	16300	19200
15	18000	---	25800	25800	21700	29400	33200	38200	39100	24900	14700	21200
16	18300	---	25200	30600	23400	33100	30000	39400	37100	27100	14500	19400
17	---	---	25900	31800	23800	33100	30400	39200	33600	28300	13400	13400
18	---	---	28100	30100	23700	28900	31900	39700	33500	30900	11400	2700
19	---	---	29000	29600	25400	29600	31500	39600	33700	34100	12800	1200
20	---	26800	29800	30100	26000	29100	31100	41200	34400	36500	15500	900
21	---	39000	30400	30400	28400	31000	31400	39300	37200	33600	10800	900
22	---	40500	30900	27800	27000	32100	32100	37700	39600	31300	10800	900
23	---	41800	29300	29100	24200	33400	32100	37700	41300	28400	15000	900
24	---	38900	32000	28300	23600	31700	33000	36800	41900	33000	15800	1100
25	---	34100	29700	26100	22600	29600	33000	37300	42000	25800	9000	1300
26	---	27500	30000	26700	20500	32400	32600	39300	42000	28600	8000	3500
27	---	23800	29200	27400	20500	32200	32600	39700	44000	30000	12000	4300
28	---	19500	25900	27500	22600	29700	32100	38900	45500	31100	14000	2300
29	---	18300	23400	29900	---	26800	33600	38500	45100	30100	15100	2700
30	---	17800	23300	31300	---	26000	39000	41300	44200	30300	14400	4200
31	---	---	23500	30600	---	27600	---	43700	---	31100	12400	---
Maximum	---	---	32000	35900	---	38200	39000	43700	45500	43700	41900	21200

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida, 8.0 feet from bottom

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1985 through September 1986. ---, indicates no data]

Maximum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	2900	1200	11400	3300	3600	4600	5100	26900	40400	---	42600	37000
2	1800	1100	7000	5400	3600	3900	5200	26600	37500	---	39900	41000
3	1400	1200	6500	4800	3800	3300	5800	32000	41800	---	36700	---
4	1300	1000	7400	4400	4800	2800	7200	33500	41800	---	36400	---
5	1200	1000	7100	4900	5900	2500	8200	30800	44800	---	36600	---
6	1500	1000	3300	2800	4100	2400	8500	29700	45400	---	37000	---
7	3000	1100	4600	1700	2100	2100	8600	29800	44800	---	37300	---
8	9400	1300	6900	10300	2000	2500	10700	30000	41400	---	37100	---
9	11800	2200	8900	7400	1800	2900	13300	35900	37900	---	36700	---
10	11400	3300	11300	3000	1800	2600	14500	42500	38100	46900	37300	---
11	5400	4200	12400	3000	1700	2400	15900	41600	39100	46300	37900	27700
12	4300	4800	11300	1000	1800	2500	14700	38700	---	44200	39500	24200
13	7600	4800	10600	800	1600	2800	15900	35300	---	45400	40600	26400
14	11500	5100	2800	1600	1600	3000	18100	37200	---	46500	38300	35000
15	11800	5600	1500	1600	1600	1900	17800	37100	---	48400	41700	33400
16	10200	5700	1200	1700	1600	1800	15800	36600	---	50300	42900	34400
17	6300	5200	1000	1700	1700	1700	16700	35500	---	51700	44500	38500
18	10000	4700	900	1700	1700	1700	18000	35400	---	53000	43800	43900
19	13500	5900	900	1700	1700	1700	22700	35200	---	52700	43700	39800
20	8900	4700	900	1700	1800	1700	24500	33400	---	54900	44400	36100
21	7500	4400	900	1800	1900	1700	23500	36100	---	55200	43400	30800
22	8700	3500	1000	1800	1900	1800	---	38200	---	56100	41800	30500
23	10600	4700	1000	1900	2300	1800	---	38700	---	52200	42100	32200
24	12000	9300	1000	4800	3800	1900	---	40200	---	50600	43200	30700
25	15100	10800	1100	7300	4300	2400	---	39200	---	50800	44800	27500
26	24700	9500	1200	5800	5500	3000	---	40200	---	49600	44300	28900
27	24300	7900	1300	2100	3300	3400	---	41200	---	42000	41400	27800
28	18500	7600	1700	2100	3300	4600	---	41300	---	39700	37700	31400
29	15300	8500	2500	2500	---	7400	---	40400	---	39800	41900	36300
30	10800	9100	3600	2800	---	7400	---	40300	---	40300	41300	36400
31	1900	---	4500	3300	---	6100	---	39900	---	42200	38700	---
Maximum	24700	10800	12400	10300	5900	7400	---	42500	---	---	44800	---

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1986 through September 1987. ---, indicates no data]

Maximum values

1	36600	44500	46000	28600	2200	1300	4800	21200	29400	---	35200	37300
2	36400	43900	44400	15100	2200	600	4800	21400	29300	---	32500	33300
3	36400	45100	38800	9200	1500	600	4800	22200	28400	---	29800	32400
4	37200	47200	36200	10200	1800	600	4800	21800	29100	---	28700	31900
5	38300	46500	32000	24800	5400	600	4800	25700	30900	---	28500	30000
6	40300	43800	37000	21700	9600	600	4800	24100	34400	---	28600	29500
7	44800	41600	36100	4600	2600	900	4800	21500	34700	41200	26200	24900
8	43700	42000	33500	1300	1000	600	4900	19900	33500	42000	31000	22300
9	41600	40400	32000	1400	500	400	4900	25000	---	42200	36000	16300
10	40700	40800	31400	1300	400	500	5000	24300	---	42200	42000	11400
11	45200	42100	31100	900	400	600	5300	25400	38200	43000	43500	10600
12	44900	42000	26100	1000	400	600	5400	26700	36600	44600	46400	9200
13	43500	43200	25800	1300	500	500	6200	27400	36500	45400	48200	5800
14	39400	48900	31900	2500	600	800	8300	27600	35000	44700	47200	5300
15	36800	47000	26800	2300	600	700	8600	27300	32300	42700	42600	5800
16	40900	44800	22300	3300	1600	700	9700	28200	31900	42000	36800	6900
17	41400	42400	22800	6000	2500	1600	12100	28000	31600	43600	34600	6500
18	41000	41600	21700	10400	1200	5200	12400	28300	32200	44900	34000	5700
19	46500	41000	19400	5300	900	4900	14300	26400	33700	40700	34500	6900
20	45100	43200	21600	2000	1300	5300	15000	23000	33000	38700	35600	11700
21	41700	39700	23500	2800	1900	5500	14400	25900	33000	37900	36900	15700
22	40500	39200	30900	5900	3000	3200	14400	28700	32100	38000	36300	16200
23	38800	39400	30300	1500	800	7200	17400	28000	31300	39900	36400	17900
24	37000	37100	21000	1400	700	---	17900	27600	32100	40000	34200	21500
25	36600	36400	13300	1500	700	---	20600	27600	32700	40400	35700	21300
26	35800	36800	10000	1100	1100	---	23600	29400	32400	40400	36400	21600
27	38600	36800	14300	1300	1600	---	26600	31900	31400	39700	35000	22700
28	38100	40400	25500	1100	1300	---	27100	32200	32500	37800	33700	24700
29	39300	44800	27700	2300	---	---	26500	33300	33600	37100	32800	24300
30	41400	45300	21500	1500	---	---	26900	31500	33900	36800	34800	22000
31	44500	---	27500	1100	---	---	---	30800	---	36900	36200	---
Maximum	46500	48900	46000	28600	9600	---	27100	33300	---	---	48200	37300

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida, 8.0 feet from bottom

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1987 through September 1988. ---, indicates no data]

Maximum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	27800	45400	29100	---	---	---	---	---	---	---	---	---
2	26000	48700	26800	---	---	---	---	---	---	---	---	---
3	24900	48000	24300	---	---	---	---	---	---	---	---	---
4	29800	43900	23100	---	---	---	---	---	---	---	---	---
5	31600	46000	22900	---	---	---	---	---	---	---	---	---
6	32500	43400	23000	---	---	---	---	---	---	---	---	---
7	31400	39200	23100	---	12500	---	---	---	---	---	---	---
8	31200	37400	30000	---	11300	---	---	---	---	---	---	---
9	33700	33300	36000	---	10000	---	---	---	---	---	---	---
10	37500	30000	33700	---	10200	---	---	---	---	---	---	---
11	38300	34900	31600	---	14300	---	7800	---	---	---	---	---
12	36600	34800	28900	---	11600	---	8700	---	---	---	---	---
13	45000	33500	31800	---	---	---	9100	---	---	---	---	---
14	44100	33100	---	---	10900	---	10500	---	---	---	---	---
15	46100	33600	---	---	16200	---	11700	---	---	---	---	---
16	46100	33000	---	---	9400	---	12600	---	---	---	---	---
17	45900	29300	---	---	14300	---	13300	---	---	---	---	---
18	45200	28900	---	---	17000	---	13200	---	---	---	---	---
19	42200	27400	---	---	19500	---	12900	---	---	---	---	---
20	43100	26500	---	34000	---	---	---	---	---	---	---	---
21	42100	25200	---	26400	---	---	13400	---	---	---	---	---
22	46300	26100	---	---	---	---	13000	---	---	---	---	---
23	46100	29300	---	---	---	---	17900	---	---	---	---	---
24	47000	30100	---	---	---	---	21200	---	---	---	---	---
25	46500	30200	---	---	---	---	---	---	---	---	---	---
26	47700	30100	---	---	---	---	---	---	---	---	---	---
27	46300	29200	---	---	---	---	---	---	---	---	---	---
28	43600	26900	---	---	---	---	---	---	---	---	---	---
29	41400	29000	---	---	---	---	---	---	---	---	---	---
30	41100	29300	---	---	---	---	---	---	---	---	---	---
31	43800	---	---	---	---	---	---	---	---	---	---	---
Maximum	47700	48700	---	---	---	---	---	---	---	---	---	---

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida, 25 feet from bottom

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1983 through September 1984. ---, indicates no data]

Maximum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	---	---	1300	300	200	8400	29400	20500	24200	26900
2	---	---	---	---	1900	400	300	10100	30900	21800	19300	27300
3	---	---	---	---	2400	400	300	10500	27400	21900	15200	27300
4	---	---	---	---	2600	400	300	10000	29600	21200	14700	26600
5	---	---	---	---	1500	500	300	10300	28100	21900	16900	26800
6	---	---	---	---	1100	600	300	11300	29800	22100	18300	31900
7	---	---	---	---	1400	400	300	10500	28600	22500	20100	33200
8	---	---	---	---	3100	400	300	10900	30500	22400	21300	33800
9	---	---	---	---	3800	300	400	13300	31900	26700	22000	34200
10	---	---	---	---	3500	400	500	14700	32600	25200	22400	31900
11	---	---	---	---	3300	400	1100	17400	33300	24600	23500	27500
12	---	---	---	---	4900	500	1500	19400	33800	24500	24700	25300
13	---	---	---	---	8400	600	1500	19200	34300	24200	23700	22400
14	---	---	---	---	9100	700	1300	18800	34400	24000	23600	22400
15	---	---	---	---	9700	800	1200	22100	29000	23800	23000	22900
16	---	---	---	---	10900	1200	1200	27600	28200	24300	23900	26900
17	---	---	---	---	11700	3300	900	26900	27200	23300	25100	35600
18	---	---	---	---	12600	5200	600	27200	27200	21900	26700	35600
19	---	---	---	---	12200	7500	700	25600	25900	19200	25500	30700
20	---	---	---	12400	12400	7000	800	21500	25800	19600	26400	29400
21	---	---	---	19100	11300	5400	1100	21600	27500	20900	28800	28500
22	---	---	---	15200	13000	2700	1500	21900	30100	22300	26000	27400
23	---	---	---	11900	12700	2400	1800	21600	27400	21500	24200	27000
24	---	---	---	7600	2800	3100	900	24000	26200	20900	24400	27200
25	---	---	---	3300	1600	5200	2000	26600	26200	21400	28700	35700
26	---	---	---	2500	2000	3600	2900	25100	26000	21000	29200	28300
27	---	---	---	2500	7900	5700	5600	24500	25300	21200	30400	26300
28	---	---	---	1900	600	700	6100	25300	23700	20600	32100	34000
29	---	---	---	1100	300	300	8700	25000	23100	23100	32600	19400
30	---	---	---	1100	---	200	9300	26100	21600	27400	30400	18800
31	---	---	---	1000	---	200	---	28200	---	28400	27500	---
Maximum	---	---	---	---	13000	7500	9300	28200	34400	28400	32600	35700

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1984 through September 1985. ---, indicates no data]

Maximum values

1	13700	---	16000	21800	---	20100	27300	37500	41700	39100	30200	12000
2	9600	---	17300	22600	---	19100	30500	38300	42100	39300	29600	700
3	7100	---	17900	23100	---	18300	34000	39400	42800	38400	37000	700
4	5700	---	18400	23800	---	21200	35200	39200	44200	37800	41000	700
5	5300	---	23100	20100	---	20700	36800	41800	44200	38200	38200	700
6	4600	---	22800	21900	---	26700	37000	40100	43600	36700	36200	700
7	7100	---	19900	25700	---	28800	36300	38000	43200	34300	31000	700
8	7800	---	17700	22500	21300	29400	36400	36400	43400	30400	22000	700
9	11200	---	18000	25300	20500	28600	36500	37900	42000	31000	17700	700
10	13700	---	17700	30100	20000	29100	35400	37200	41600	32400	17600	700
11	22200	---	18600	28200	20300	30800	35800	35600	40800	31400	18000	700
12	14400	---	20400	27500	15200	26900	34800	35700	39400	32400	19400	2000
13	11100	---	21400	27500	11600	21900	33900	35700	40600	26000	18600	12700
14	11800	---	21600	25700	14100	24400	34600	35400	38900	27900	15300	19200
15	10400	---	23300	22000	12800	23600	32900	36900	38900	22000	13300	20500
16	10500	---	23000	25900	18000	26700	27400	37900	35500	23800	13800	21000
17	---	---	23300	27100	18200	29600	30600	37900	32900	28000	12400	13300
18	---	---	25400	25200	18700	25500	30600	38900	32200	30200	10700	2500
19	---	---	26000	25300	19900	29800	29500	39200	32900	34900	11900	800
20	---	24500	26800	25700	19500	28600	30900	38800	33400	35800	15000	500
21	---	35300	28000	26100	22100	30400	30500	36800	34800	27400	9900	500
22	---	36700	27500	22700	20900	30100	31800	35000	36300	29900	10100	500
23	---	37900	26500	24000	18900	31300	32300	35400	37300	29500	13700	500
24	---	35300	25300	24500	18100	30800	32800	34100	38100	32400	14800	900
25	---	30900	26600	22900	17100	28700	30700	34600	38300	24600	8600	1100
26	---	25200	24300	23300	15800	32000	31000	37800	38100	27200	7700	3200
27	---	21700	26700	23900	15400	31800	32800	37200	40700	27400	11600	4100
28	---	17900	23300	24000	16000	29000	31700	37300	42400	29100	14000	2000
29	---	16700	21500	24400	---	26200	33800	37200	41600	28600	15000	2600
30	---	16400	19500	24500	---	25600	38300	40100	40100	28400	14400	4000
31	---	---	19700	23600	---	26400	---	42400	---	26100	12200	---
Maximum	---	---	28000	30100	---	32000	38300	42400	44200	39300	41000	21000

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida, 25 feet from bottom

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1985 through September 1986. ---, indicates no data]

Maximum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	2800	1000	11400	---	---	---	4200	26700	38100	---	---	---
2	1700	900	7000	---	---	---	4300	26000	37400	---	---	---
3	1200	900	6400	---	---	---	4900	32700	38800	---	---	---
4	1100	800	7600	3600	---	---	6400	33300	41800	---	---	---
5	1000	800	7100	3900	---	---	7500	30600	42700	---	---	---
6	1300	900	3400	2400	---	---	7700	29300	41900	---	---	---
7	2500	1000	4900	1700	---	---	7800	29700	39900	---	---	---
8	9400	1200	6700	11000	---	---	9900	29700	38500	---	---	---
9	11300	2100	8900	6800	---	---	12700	35600	35700	---	---	---
10	11200	3100	10800	3200	---	---	13900	42200	36000	---	---	---
11	5200	4200	12000	2800	---	---	15600	37000	37100	---	---	24100
12	4200	4800	11100	1000	---	---	14400	36200	---	---	---	21300
13	6800	4800	10100	700	---	---	15600	35200	---	---	---	23100
14	11000	5000	2600	---	---	---	18100	36800	---	---	---	30300
15	12200	5500	1000	---	---	---	17800	36600	---	---	---	29200
16	9800	5600	800	---	---	---	15100	36300	---	---	---	29800
17	6300	5200	800	---	---	---	16300	35300	---	---	---	33100
18	9900	4900	700	---	---	---	18000	35600	---	---	---	37400
19	13200	4300	700	---	---	---	22800	35500	---	---	---	34200
20	8800	4700	700	---	---	---	24800	32000	---	---	---	30800
21	7400	4500	700	---	---	---	23600	35800	---	---	---	26400
22	8300	3300	800	---	---	---	---	38000	---	---	---	24600
23	10500	4700	800	---	---	---	---	38300	---	---	---	27700
24	11800	9100	800	---	---	---	---	39500	---	---	---	26400
25	14900	10400	800	---	---	---	---	38600	---	---	---	23800
26	23500	9300	800	---	---	---	---	39300	---	---	---	22700
27	23200	7900	800	---	---	---	---	40000	---	---	---	24100
28	18100	7400	---	---	---	---	---	39600	---	---	---	26800
29	15700	8300	---	---	---	6400	---	39200	---	---	---	30900
30	10700	9200	---	---	---	6300	---	38900	---	---	---	31700
31	2100	---	---	---	---	5200	---	38500	---	---	---	---
Maximum	23500	10400	---	---	---	---	---	42200	---	---	---	---

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1986 through September 1987. ---, indicates no data]

Maximum values

1	28500	40100	40500	25800	800	700	---	19600	---	---	---	---
2	29400	39800	38900	13800	1700	500	---	19800	---	---	---	---
3	31100	40900	34100	8100	1500	600	---	20700	---	---	---	---
4	31700	42500	31800	9600	1900	600	---	20300	---	---	---	---
5	32700	42000	32800	22000	4600	600	---	20300	---	---	---	---
6	34600	39300	34800	19900	5300	700	---	20600	---	---	---	---
7	38400	38200	32500	3900	1800	800	---	19000	---	37400	---	---
8	37400	37700	29700	1100	1000	600	---	17400	---	38400	---	---
9	35000	36600	28500	1200	400	400	---	22800	---	38900	---	---
10	34800	36800	26200	1000	500	400	---	20300	---	38900	---	---
11	38400	38100	24500	600	400	400	---	21900	---	39700	---	---
12	38200	37600	25200	600	400	400	---	25500	---	40400	---	---
13	37300	38600	23100	700	500	400	---	24400	---	40900	---	---
14	34000	43900	29700	1000	600	400	---	23700	---	40700	---	---
15	34000	42000	26700	900	600	400	---	24900	---	39100	---	---
16	34600	40200	23200	1100	1200	500	---	25800	---	37900	---	---
17	36300	38100	20200	2100	1400	1400	---	25000	---	39800	---	---
18	36900	37400	19500	4500	600	4300	---	26100	---	41200	---	---
19	39400	36600	17600	1900	900	4800	---	23500	---	39900	---	---
20	38500	38400	19400	1200	1200	4500	---	---	---	38000	---	---
21	37100	35500	22600	2400	1900	5200	---	---	---	36400	---	---
22	36500	35000	28000	4800	2800	2800	---	---	---	36400	---	---
23	34900	35100	27300	1300	700	6300	13800	---	---	36800	---	---
24	33600	33100	19200	1300	700	---	14300	---	---	37200	---	21800
25	33300	32400	11600	1200	800	---	17600	---	---	37200	---	21600
26	33900	32600	10200	1100	1100	---	22100	---	---	37300	---	21700
27	32800	32700	13900	1200	1500	---	25300	---	---	36200	---	22800
28	34600	35800	23600	1200	700	---	25600	---	---	35500	---	25100
29	35400	40000	25300	2200	---	---	25400	---	---	---	---	23900
30	37600	40500	23300	1200	---	---	25600	---	---	---	---	21500
31	40500	---	25200	700	---	---	---	---	---	---	---	---
Maximum	40500	43900	40500	25800	5300	---	---	---	---	---	---	---

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida, 25 feet from bottom

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1987 through September 1988. ---, indicates no data]

Maximum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	27000	---	---	---	---	---	4700	20300	---	---	---	---
2	25400	---	---	---	---	---	2400	23600	---	---	---	---
3	24400	---	---	---	---	---	3100	24900	---	---	---	---
4	28800	---	---	---	---	---	2100	20700	---	---	---	---
5	30600	---	---	---	---	---	2500	18000	---	---	---	---
6	31600	---	---	---	---	---	2000	17600	---	---	---	---
7	30600	---	---	---	---	---	2200	19900	---	---	---	---
8	30300	---	---	---	---	---	3500	21100	---	---	---	---
9	32700	---	---	---	---	---	4200	22800	---	---	---	---
10	36200	---	---	---	---	---	5800	22400	---	---	---	---
11	36800	---	---	---	---	---	7600	23600	---	---	---	---
12	35800	---	---	---	---	---	8600	31100	---	---	---	---
13	43000	---	---	---	---	---	8200	26800	---	---	---	---
14	40300	---	---	---	---	---	8500	27800	---	---	---	---
15	43900	---	---	---	---	1200	9400	28100	---	---	---	---
16	43900	---	---	---	---	2400	12400	29900	---	---	---	---
17	43700	---	---	---	---	4300	13800	29400	---	---	---	---
18	43300	---	---	---	---	6000	11500	29700	---	---	---	---
19	40100	---	---	---	---	6800	11900	29500	---	---	---	---
20	40800	---	---	31600	---	4400	9600	28200	---	---	---	---
21	40000	---	---	25300	---	3400	11600	27400	---	---	---	---
22	43000	---	---	20100	---	2800	12400	28000	---	---	---	---
23	---	---	---	14000	---	2900	11700	26900	---	---	---	---
24	---	---	---	11800	---	3100	12300	25100	---	---	---	---
25	---	---	---	9700	---	3100	13100	25700	---	---	---	---
26	---	---	---	---	---	3100	15100	39600	---	---	---	---
27	---	---	---	---	---	3100	15100	---	---	---	---	---
28	---	---	---	---	---	3000	14900	---	---	---	---	---
29	---	---	---	---	---	1900	13200	---	---	---	---	---
30	---	---	---	---	---	2900	14400	---	---	---	---	---
31	---	---	---	---	---	4800	---	---	---	---	---	---
Maximum	---	---	---	---	---	---	15100	---	---	---	---	---

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 022312893, Nassau River near Tisonia

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1984 through September 1985. ---, indicates no data]

Maximum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	---	---	---	---	---	---	---	---	---	2350
2	---	---	---	---	---	---	---	---	---	---	---	2050
3	---	---	---	---	---	---	---	---	---	---	---	2010
4	---	---	---	---	---	---	---	---	---	---	---	2000
5	---	---	---	---	---	---	---	---	---	---	---	2000
6	---	---	---	---	---	---	---	---	---	---	---	2000
7	---	---	---	---	---	---	---	---	---	---	---	2010
8	---	---	---	---	---	---	---	---	---	---	---	2010
9	---	---	---	---	---	---	---	---	---	---	---	2030
10	---	---	---	---	---	---	---	---	---	---	---	2050
11	---	---	---	---	---	---	---	---	---	---	---	2080
12	---	---	---	---	---	---	---	---	---	---	---	2220
13	---	---	---	---	---	---	---	---	---	---	2420	2370
14	---	---	---	---	---	---	---	---	---	---	2400	2380
15	---	---	---	---	---	---	---	---	---	---	2400	2360
16	---	---	---	---	---	---	---	---	---	---	2410	2360
17	---	---	---	---	---	---	---	---	---	---	2420	2290
18	---	---	---	---	---	---	---	---	---	---	2410	2160
19	---	---	---	---	---	---	---	---	---	---	2410	2130
20	---	---	---	---	---	---	---	---	---	---	2430	2080
21	---	---	---	---	---	---	---	---	---	---	2380	2060
22	---	---	---	---	---	---	---	---	---	---	2400	2070
23	---	---	---	---	---	---	---	---	---	---	2420	2080
24	---	---	---	---	---	---	---	---	---	---	2420	2070
25	---	---	---	---	---	---	---	---	---	---	2360	2150
26	---	---	---	---	---	---	---	---	---	---	2360	2220
27	---	---	---	---	---	---	---	---	---	---	2390	2220
28	---	---	---	---	---	---	---	---	---	---	2410	2170
29	---	---	---	---	---	---	---	---	---	---	2400	2190
30	---	---	---	---	---	---	---	---	---	---	2400	2220
31	---	---	---	---	---	---	---	---	---	---	2370	---
Maximum	---	---	---	---	---	---	---	---	---	---	---	2380

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1985 through September 1986. ---, indicates no data]

Maximum values

1	17600	2900	31300	20600	20800	24800	25700	---	49200	---	50800	50700
2	15400	3000	26800	23800	21100	64500	25500	---	49100	---	48600	51500
3	12000	6500	26700	22200	22000	20500	26200	---	46100	---	45800	51400
4	7800	1400	27600	21100	23400	18500	28100	---	47800	---	46700	51000
5	8700	1700	26900	22400	25500	18700	28900	---	46600	---	47500	50900
6	15900	5900	21100	21600	22600	18900	28300	---	43000	---	48500	50100
7	20300	8300	24900	20300	16200	16900	29400	---	45400	---	44600	50500
8	26200	13400	27800	35000	16100	22000	31800	---	49500	---	46200	50500
9	27800	17600	30600	29600	12400	22900	34900	---	50300	54300	47600	50100
10	27100	20100	33100	27400	7500	21400	36100	---	50500	54500	47800	48700
11	18600	22700	33900	29700	1900	19200	36600	---	51600	54800	48700	45600
12	24700	24200	33500	13700	---	20700	35900	---	48000	54900	49600	43100
13	28300	25200	33200	1300	---	22200	36800	---	49100	54100	50100	45600
14	32000	25900	17300	---	---	22400	38600	---	47300	54400	49300	49700
15	32700	26900	20100	---	400	12100	38100	---	49600	55100	50700	49200
16	32100	26900	15900	---	16800	3700	35200	---	50700	55500	51800	49800
17	34100	25900	10600	---	1200	1900	35900	---	51700	55600	52600	51100
18	36100	25100	6300	---	1300	800	36800	---	---	55700	52100	53000
19	33300	26200	6400	---	3300	500	40200	---	---	56100	52400	49900
20	29800	23000	8200	---	7600	700	41300	---	---	57100	52700	48700
21	29100	21500	7300	---	12800	5300	41100	48400	---	56900	52600	46400
22	30300	19500	10800	---	13100	13900	---	48500	---	56800	51300	47300
23	31600	24700	10200	---	18200	14000	---	48600	---	54100	52100	49000
24	32200	29200	11000	---	21700	12300	---	48100	---	53400	52600	47500
25	32900	29800	12400	---	24400	19300	---	50200	---	53100	53900	44800
26	36400	28800	13600	---	97900	22500	---	50500	---	52700	53400	44900
27	36500	27400	14700	---	19100	22700	---	46500	---	48000	51800	44800
28	32700	27600	16900	---	21200	25500	---	46000	---	46100	48900	47100
29	33700	28100	19300	---	---	29700	---	46000	---	48600	51600	49700
30	28300	29100	21100	18300	---	29000	---	44600	---	48800	50800	49800
31	16200	---	22400	50400	---	27500	---	44900	---	50600	50100	---
Maximum	36500	29800	33900	---	---	64500	---	---	---	---	53900	53000

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 022312893, Nassau River near Tisonia

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1986 through September 1987. ---, indicates no data]

Maximum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	50000	52500	51600	43400	24900	18300	---	---	46900	48700	49100	52900
2	50400	53000	50400	32100	24200	7600	---	---	45600	49800	49100	---
3	50300	52800	48600	34500	19400	8300	---	---	45400	48800	50200	---
4	50600	53200	48100	37000	22100	10000	---	---	44900	47900	50300	---
5	51300	53200	48900	41500	28800	11500	---	---	44100	48800	51500	---
6	52200	52700	49200	39600	30900	13100	---	41600	45100	49700	52100	---
7	53200	52200	48200	25200	22300	16300	---	40500	46600	51100	54700	---
8	52600	52200	46400	13600	17000	8900	---	39500	44700	51500	55900	---
9	50700	51600	45800	18400	2200	2000	---	43200	44900	51800	56000	---
10	51800	51800	45800	18500	5500	4500	---	42900	43200	52200	56200	---
11	53500	52300	45800	9200	3900	12400	---	43900	42900	52800	55900	---
12	52500	51800	44100	12200	3200	12700	---	45100	42100	53300	56800	---
13	52300	52200	43600	17100	7200	11500	---	45300	40500	53600	57300	---
14	48900	53500	46600	22300	11700	15100	---	45400	38600	52700	56800	---
15	51100	53000	45500	21700	13400	16000	---	46300	39100	52600	54300	---
16	51600	52300	43900	23300	20600	14800	---	46600	34700	52300	51600	---
17	51700	51600	42700	27200	22400	21000	---	45700	34300	52800	50800	---
18	52900	51000	42600	30300	17200	25300	---	46800	33400	52400	50700	---
19	53400	49700	41000	23500	15600	24400	---	45100	35500	51200	51500	---
20	53100	51200	42700	18600	16600	24500	---	45100	35800	50200	52200	---
21	51300	50200	43500	21800	20100	25500	---	46700	36700	51100	51900	---
22	51200	49700	45200	26700	21700	21900	---	47500	37200	52900	51500	---
23	50200	49600	44100	12100	7600	26300	---	46900	36200	54100	51000	---
24	49500	48000	39600	14200	8200	27700	---	47300	37300	54500	51600	---
25	49300	47900	32900	17200	12900	27900	---	47800	35800	54600	52000	43100
26	49700	48200	34200	13800	18900	26800	---	48300	37800	54400	52700	43600
27	50300	48400	38400	18700	21000	24600	---	49100	37100	53800	52200	44200
28	50500	50200	43000	19600	20600	20900	---	49400	34700	53100	51200	45500
29	51400	51400	44000	25800	---	20200	---	49400	34900	52000	50700	44800
30	52000	51500	43500	21500	---	---	---	49100	35300	52400	52700	42900
31	52800	---	44400	19700	---	---	---	48500	---	49100	52700	---
Maximum	53500	53500	51600	43400	30900	---	---	---	46900	54600	57300	---

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1987 through September 1988. ---, indicates no data]

Maximum values

1	46100	52700	47500	34500	27500	9000	29800	38400	42000	48000	---	---
2	45900	53100	46900	35900	28200	12000	30600	38600	42400	49000	---	---
3	45600	53400	47200	35200	30700	11700	32100	37500	42800	49400	---	---
4	48000	52900	44700	35500	29800	10100	32400	35900	43700	47900	---	---
5	48900	51700	47200	34700	31900	8900	33000	35100	42600	47800	---	---
6	49100	52400	47900	34700	32900	13900	33400	35300	42500	46900	---	---
7	48300	51200	48300	36100	35200	17300	33100	36200	42300	47100	---	---
8	49200	49400	49000	33500	33000	12400	34100	36700	42600	46700	---	---
9	50300	49300	49000	31700	29600	13000	35700	37500	41900	47000	---	---
10	51800	46900	47800	31100	31600	9300	36900	37300	41900	48900	---	---
11	52200	44600	45700	33000	36700	9900	37900	38200	42300	46300	---	---
12	51600	47900	44700	31500	33200	15500	37300	38500	42200	44900	---	---
13	53300	48000	28100	32200	21600	13700	38300	38600	41700	43000	---	---
14	53600	48500	28800	32500	28800	16000	40200	38900	42200	45400	---	---
15	53600	48500	23700	34300	31500	16300	40500	39400	41800	---	---	---
16	53500	48900	28000	34200	28200	21300	40900	39600	41800	---	---	---
17	53500	49100	26800	36000	35000	25400	41200	39700	41900	---	---	---
18	52700	46000	27900	38600	38600	29100	41700	39800	41800	---	---	---
19	52600	47500	31700	38600	38900	28200	41000	40100	42200	---	---	---
20	53100	47700	28300	38600	35000	26600	39100	39200	42000	---	---	---
21	52100	47300	29000	36400	19400	24600	40600	39100	42700	---	---	---
22	53500	47700	29200	32300	2600	24200	38700	39000	44500	---	---	---
23	53400	48500	29800	30300	900	29300	38400	37800	44500	---	---	---
24	53300	48200	30800	23300	500	26600	38000	37700	47500	---	---	---
25	53500	47900	34700	24200	600	24000	37800	37500	49400	---	---	---
26	53700	47700	31700	18100	700	22500	40300	40800	50400	---	---	---
27	53000	47400	36000	19700	1200	21800	38700	40700	49300	---	---	---
28	52600	48500	34600	26700	5700	24500	37400	40500	48500	---	---	---
29	52500	48000	33600	24200	9400	26400	38800	40700	49000	---	---	---
30	51900	47600	34000	24600	---	26500	39200	41400	48800	---	---	---
31	52200	---	33600	26600	---	28300	---	41800	---	---	---	---
Maximum	53700	53400	49000	38600	38900	29300	41700	41800	50400	---	---	---

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida, 8 feet from bottom

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1983 through September 1984. ---, indicates no data]

Minimum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	---	---	500	200	200	700	14700	11100	---	---
2	---	---	---	---	500	200	200	900	13200	11000	---	---
3	---	---	---	---	500	200	200	900	13100	11300	---	---
4	---	---	---	---	500	200	300	900	14100	11600	---	---
5	---	---	---	---	600	200	300	1200	15200	11400	---	---
6	---	---	---	---	600	200	200	1100	15400	---	---	---
7	---	---	---	---	500	300	200	1200	16400	---	---	---
8	---	---	---	---	600	200	300	1200	14800	---	---	---
9	---	---	---	---	500	200	300	1200	15200	---	---	---
10	---	---	---	---	600	200	300	2100	15400	---	---	---
11	---	---	---	---	900	200	200	2400	15600	---	---	---
12	---	---	---	---	500	200	200	3600	16200	---	---	---
13	---	---	---	---	600	200	200	3300	17700	---	---	---
14	---	---	---	---	600	300	300	3200	15600	---	---	---
15	---	---	---	---	700	300	300	4800	15000	---	---	---
16	---	---	---	---	800	300	300	8400	14900	---	---	---
17	---	---	---	---	900	400	300	10000	15000	---	---	---
18	---	---	---	---	1100	500	200	10300	15400	---	---	---
19	---	---	---	---	1300	600	300	8500	15000	---	---	---
20	---	---	---	1000	1400	600	300	8300	15000	---	---	---
21	---	---	---	2100	1400	600	300	8500	16700	---	---	---
22	---	---	---	3000	1900	500	300	9500	17800	---	---	---
23	---	---	---	1900	1100	500	300	9800	17100	---	---	---
24	---	---	---	1200	800	600	300	9200	16500	---	---	---
25	---	---	---	800	600	600	400	12400	15600	---	---	---
26	---	---	---	800	600	600	400	11000	15100	---	---	---
27	---	---	---	600	600	600	400	10000	15300	---	---	---
28	---	---	---	600	300	300	500	10300	12400	---	---	---
29	---	---	---	500	200	200	600	10300	11500	---	---	---
30	---	---	---	500	---	200	700	9800	11100	---	---	---
31	---	---	---	500	---	200	---	14200	---	---	---	---
Minimum	---	---	---	---	200	200	200	700	11100	---	---	---

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1984 through September 1985. ---, indicates no data]

Minimum values

1	4600	---	8200	12700	---	11800	14800	22100	28100	29700	12900	1100
2	3800	---	7900	12900	---	11000	14700	22200	28300	29700	14000	600
3	2800	---	8200	12600	---	10400	15900	21300	28700	29400	19600	600
4	2300	---	7700	12400	---	11800	17800	26200	30600	29200	24400	500
5	1800	---	8500	11800	---	12200	18800	29500	31100	29800	22300	500
6	1900	---	9400	12600	---	11200	18100	27200	30900	29300	21500	500
7	2000	---	7200	13700	---	18400	16700	24900	31200	27400	17700	500
8	2600	---	7800	13000	13500	18600	18600	23700	32100	26700	13800	600
9	3300	---	7400	14300	13900	15900	17800	22200	31700	25700	10600	700
10	5200	---	7400	18900	12300	16200	19000	25400	31400	25900	8000	700
11	8900	---	7300	18200	11700	16100	19000	24400	30200	25200	6600	700
12	7900	---	8000	16900	8200	14200	20000	24100	29600	12200	6200	800
13	5900	---	8700	17600	8400	14300	19200	23600	28600	20400	5500	1000
14	4500	---	8500	15300	8300	13800	19200	25200	28700	13700	4700	4800
15	4700	---	8900	15200	9000	13900	18000	24800	27800	14500	3600	7700
16	2400	---	10900	15200	8800	16300	17200	25300	23700	6500	3200	5100
17	---	---	10300	16200	8800	16600	17000	25400	23900	13600	2900	1400
18	---	---	10400	15000	8600	15500	17300	25000	23800	15200	2700	800
19	---	---	10900	15100	9200	15200	16400	26200	23600	14500	2700	700
20	---	7300	11300	15200	9000	14900	15800	24500	25000	16900	2800	600
21	---	12400	12000	14900	11400	14800	16900	25200	26500	16100	2200	600
22	---	22900	13000	14700	10000	16200	17500	21700	28100	14000	2300	600
23	---	27300	11700	14600	9500	16900	17900	22100	29000	13600	2200	600
24	---	28800	13400	15200	9200	15200	18200	21600	29700	14200	2400	600
25	---	21700	14400	14400	8800	16100	18600	22800	29800	13300	2200	900
26	---	16400	13200	13800	8100	16600	16700	23900	29100	12700	2000	1000
27	---	13000	15200	15500	8300	16700	16000	25900	28700	10600	2000	1000
28	---	10400	13500	15700	9200	15500	16600	25100	31300	10100	2000	1000
29	---	9200	12600	17800	---	15100	19600	23100	31300	11400	2200	1000
30	---	8600	12200	17300	---	14400	21700	25700	29700	10400	2200	1100
31	---	---	12600	15400	---	15400	---	28600	---	11100	2100	---
Minimum	---	---	7200	11800	---	10400	14700	21300	23600	6500	2000	500

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida, 8 feet from bottom

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1985 through September 1986. ---, indicates no data]

Minimum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	1100	900	1400	1100	1800	1800	1800	13800	23100	---	31000	24100
2	1100	800	1400	1100	1800	1800	1900	12200	23100	---	31100	25300
3	1100	900	1300	1100	1900	1800	1800	12100	22900	---	29000	---
4	1000	800	1400	1000	1800	1800	1900	17500	28800	---	27700	---
5	1000	800	1300	1000	1900	1800	1900	15600	30700	---	26000	---
6	1000	800	1200	900	1900	1800	2000	13700	31000	---	29100	---
7	1000	800	1200	900	1800	1800	2000	13700	29900	---	29200	---
8	1100	900	1200	800	1700	1700	2100	13900	26900	---	25000	---
9	1200	900	1200	900	1600	1700	2200	16600	25600	---	28400	---
10	2000	1000	1200	800	1600	1700	3100	26400	26000	29400	26500	---
11	1000	1000	1200	700	1500	1700	3100	24200	22100	26700	26600	15600
12	1100	1000	1300	600	1500	1800	3200	20800	---	28500	28800	12500
13	1200	1100	1300	700	1500	1800	3900	21600	---	27700	29300	11100
14	1400	1100	1000	700	1500	1700	4000	21700	---	28600	28600	13700
15	1600	1100	900	1600	1500	1600	4200	21700	---	26900	28700	15000
16	1400	1100	800	1600	1500	1600	3700	21700	---	30400	27900	15200
17	1400	1200	800	1600	1500	1600	4400	22100	---	30700	30500	17400
18	1700	1200	800	1600	1600	1600	5800	21900	---	31800	28900	24100
19	1800	1300	800	1600	1600	1500	6400	21500	---	32000	29600	21800
20	1500	1300	800	1600	1600	1500	8900	18800	---	32900	29900	19200
21	1400	1300	800	1600	1600	1500	8500	19400	---	34800	29900	17300
22	1400	1300	800	1600	1600	1600	---	20600	---	37300	30100	16100
23	1500	1200	800	1600	1700	1600	---	21600	---	35200	29800	16100
24	1600	1400	800	1700	1700	1600	---	21500	---	33100	30700	16100
25	1900	1400	900	1800	1700	1600	---	21600	---	35200	31100	14900
26	3000	1400	800	1800	1800	1700	---	23900	---	32100	32100	14200
27	8400	1300	800	1700	1800	1700	---	25600	---	30200	30600	13800
28	4200	1300	900	1700	1800	1700	---	26200	---	30300	29200	14000
29	2000	1300	900	1700	---	1800	---	24600	---	30300	29200	16900
30	1300	1400	900	1800	---	1800	---	25700	---	30200	29300	18200
31	800	---	1000	1800	---	1800	---	25000	---	29400	26700	---
Minimum	800	800	800	600	1500	1500	---	12100	---	---	25000	---

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1986 through September 1987. ---, indicates no data]

Minimum values

1	17800	31400	29900	8300	600	300	4700	9100	20700	---	25700	17300
2	16800	29900	31100	4200	600	300	4600	8900	19400	---	24800	16600
3	17700	29500	27500	2600	600	300	4600	9300	14700	---	23900	15600
4	17000	32400	24300	2100	700	300	4600	9000	18000	---	23100	14400
5	19600	33400	21400	4600	800	300	4700	11300	21000	---	22400	13600
6	16600	31700	22100	2100	800	300	4700	9500	23000	---	22200	11500
7	23700	30000	23300	700	600	400	4700	8400	23600	24400	23400	9700
8	24200	29700	23400	600	300	400	4700	7500	21500	25000	25000	7700
9	24400	29100	22700	600	300	300	4700	7900	---	25300	27000	5200
10	23000	28800	21600	500	200	300	4700	9900	---	25600	29400	3900
11	24700	29000	20300	500	200	300	4700	9000	20200	26500	30100	3200
12	29800	28300	16500	600	300	300	4800	9500	23100	27300	31800	2600
13	26200	29600	14600	600	300	400	4800	10500	14600	29400	35400	2000
14	24400	33300	16800	700	300	400	4800	10400	19500	29200	33500	1700
15	23900	36000	14500	700	300	400	4900	11100	20600	28400	30900	1500
16	26700	33300	11100	800	400	400	5000	11300	21500	27800	28500	1500
17	29600	31700	9400	900	500	500	5100	11700	22300	28600	25400	1500
18	27400	28100	6800	1300	500	500	5200	11700	23800	31200	23600	1400
19	33200	29100	5200	1100	500	600	5400	11300	24400	28100	22100	1500
20	34500	27300	5900	1100	600	600	5600	8000	25000	26800	21500	1600
21	26900	25900	6300	1100	600	600	5600	13500	25000	26300	20900	1900
22	26700	28100	11300	1100	600	600	5700	15200	24400	26200	20900	2400
23	24700	28200	12300	800	500	800	5900	14900	24100	26600	19100	2700
24	25900	27700	5700	700	400	---	6400	13400	24000	27800	18500	3500
25	23500	26900	4400	600	400	---	6800	10600	24300	28600	20100	4100
26	23900	26900	4000	500	400	---	8000	12600	24800	28000	19500	4100
27	26300	26400	3900	500	400	---	9400	17800	24200	27600	18700	4200
28	25800	26100	4700	500	400	---	9400	19800	24500	26800	18100	4800
29	24700	29300	5600	600	---	---	10500	21800	25700	26700	17100	5200
30	24500	31000	5300	600	---	---	9300	21900	25800	27500	16900	4800
31	29700	---	5200	500	---	---	---	20600	---	27000	17200	---
Minimum	16600	25900	3900	500	200	---	4600	7500	---	---	16900	1400

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida, 8 feet from bottom

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1987 through September 1988. ---, indicates no data]

Minimum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	5300	29800	26600	---	---	---	---	---	---	---	---	---
2	6300	34200	24900	---	---	---	---	---	---	---	---	---
3	6400	33500	23000	---	---	---	---	---	---	---	---	---
4	7700	29100	22900	---	---	---	---	---	---	---	---	---
5	10000	26500	22800	---	---	---	---	---	---	---	---	---
6	11400	29200	22800	---	---	---	---	---	---	---	---	---
7	11000	26100	23000	---	100	---	---	---	---	---	---	---
8	10000	24300	21000	---	200	---	---	---	---	---	---	---
9	11100	23000	20600	---	200	---	---	---	---	---	---	---
10	25900	21300	19400	---	300	---	---	---	---	---	---	---
11	16300	21700	18500	---	400	---	5900	---	---	---	---	---
12	16700	22900	18000	---	100	---	7600	---	---	---	---	---
13	25100	23400	18400	---	---	---	8300	---	---	---	---	---
14	41900	24600	---	---	100	---	9100	---	---	---	---	---
15	30700	26200	---	---	300	---	10600	---	---	---	---	---
16	33800	25700	---	---	300	---	11900	---	---	---	---	---
17	41600	22800	---	---	300	---	12600	---	---	---	---	---
18	40900	26700	---	---	600	---	12900	---	---	---	---	---
19	39500	26500	---	---	1200	---	12200	---	---	---	---	---
20	27800	23700	---	15800	---	---	---	---	---	---	---	---
21	26400	22700	---	11900	---	---	12100	---	---	---	---	---
22	29400	22300	---	---	---	---	11800	---	---	---	---	---
23	29300	21800	---	---	---	---	9900	---	---	---	---	---
24	29300	24900	---	---	---	---	9200	---	---	---	---	---
25	29100	27700	---	---	---	---	---	---	---	---	---	---
26	30800	27000	---	---	---	---	---	---	---	---	---	---
27	28000	25800	---	---	---	---	---	---	---	---	---	---
28	29400	23300	---	---	---	---	---	---	---	---	---	---
29	26700	21200	---	---	---	---	---	---	---	---	---	---
30	26400	23500	---	---	---	---	---	---	---	---	---	---
31	27700	---	---	---	---	---	---	---	---	---	---	---
Minimum	5300	21200	---	---	---	---	---	---	---	---	---	---

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 02231289 Nassau River near Hedges, Florida, 25 feet from bottom

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1983 through September 1984. ---, indicates no data]

Minimum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	---	---	400	200	100	1100	13100	9500	8000	14400
2	---	---	---	---	800	200	200	1200	12100	9800	6900	14200
3	---	---	---	---	900	200	200	1200	11900	10200	5800	14300
4	---	---	---	---	900	200	200	1200	12700	10300	5300	14300
5	---	---	---	---	500	300	200	1400	11200	9900	5100	13900
6	---	---	---	---	500	300	200	1500	14100	10100	5000	15100
7	---	---	---	---	500	200	200	1500	14100	9900	4700	20200
8	---	---	---	---	900	300	200	1600	14200	9700	4800	24900
9	---	---	---	---	900	200	200	1600	13800	10600	5000	26100
10	---	---	---	---	900	200	200	2300	13900	11100	5500	21200
11	---	---	---	---	600	200	200	2600	14400	11000	6400	19100
12	---	---	---	---	900	200	300	3500	14900	11300	7000	17000
13	---	---	---	---	1000	300	300	3400	16300	11100	7200	15300
14	---	---	---	---	1000	300	300	3300	14100	11300	7300	14800
15	---	---	---	---	1100	300	300	4500	13500	11400	7300	15200
16	---	---	---	---	1200	300	300	7900	13500	11300	8100	15500
17	---	---	---	---	1200	400	300	8800	13800	10600	9200	23300
18	---	---	---	---	1400	500	300	9500	13700	10400	10700	25300
19	---	---	---	---	1600	600	300	6800	13000	10000	10000	20500
20	---	---	---	1300	1800	600	300	7300	13000	10000	9600	19100
21	---	---	---	2200	1700	500	300	7800	14700	9700	10800	17300
22	---	---	---	3000	2200	600	400	8700	12500	9800	12000	17100
23	---	---	---	2100	1400	500	300	8500	15500	9700	9500	16100
24	---	---	---	1500	800	600	400	7900	14200	8800	9000	17000
25	---	---	---	1200	600	600	300	10200	13300	8500	10300	14200
26	---	---	---	1100	600	600	400	9200	13200	7900	13500	15700
27	---	---	---	1000	600	600	800	9300	13000	7300	16100	15300
28	---	---	---	900	200	300	900	8900	10500	6900	18800	18500
29	---	---	---	500	200	200	900	7500	10000	7800	18500	10300
30	---	---	---	400	---	100	1100	9500	9800	9800	16600	6500
31	---	---	---	400	---	200	---	12700	---	8900	15000	---
Minimum	---	---	---	---	200	100	100	1100	9800	6900	4700	6500

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1984 through September 1985. ---, indicates no data]

Minimum values

1	4600	---	7700	10700	---	9200	13500	22500	27200	26400	14000	700
2	3500	---	7500	10000	---	8600	13700	21700	27500	26500	13000	500
3	2700	---	7900	9700	---	8200	15900	21600	28600	26500	17500	500
4	2300	---	7300	9900	---	9300	17200	25300	30400	26500	25300	500
5	2800	---	8200	9400	---	9700	18000	28300	30900	26800	22800	500
6	1700	---	8900	10300	---	9300	18400	25800	30700	25800	19000	500
7	1800	---	7200	10700	---	15100	17700	23700	29400	24300	16500	500
8	2300	---	6700	11200	11300	14300	19600	23900	30400	22800	13100	600
9	2600	---	7000	12100	11100	12900	19100	25200	30300	23300	9100	600
10	4000	---	6900	14700	10700	14600	17600	24500	30500	22800	7200	600
11	6600	---	6200	14800	10300	14400	19500	24700	30000	22200	6200	600
12	5400	---	6700	14400	7100	12900	19500	24500	29200	16500	5200	800
13	4500	---	7700	14600	7100	13000	18700	24700	28600	15000	4200	1000
14	3500	---	7400	12800	7100	12400	20000	18600	28500	14100	4200	4700
15	3500	---	8500	12300	7600	12000	17800	18200	27400	4000	3300	7200
16	3800	---	8900	12900	7500	14700	16900	13400	23500	6600	2700	4900
17	---	---	8800	13900	7500	15200	16500	14200	23400	9000	2300	1100
18	---	---	8700	12900	7400	13600	16500	25500	23300	14900	2300	700
19	---	---	9000	12700	7800	13300	16500	25800	23100	17300	2300	600
20	---	6900	9500	12400	7700	13500	16000	25200	23500	15900	2300	400
21	---	11500	9700	12700	9600	15100	17000	23600	24300	12500	2100	300
22	---	21000	10700	12100	8500	15900	15100	23400	25400	12500	1900	300
23	---	24900	9800	11100	7900	16900	17100	23000	25300	12900	1900	300
24	---	26200	11100	12700	7700	13900	16200	22700	26300	13300	1900	500
25	---	20000	11800	12500	7500	15000	15900	24000	26200	12400	1700	700
26	---	15100	10800	12200	6900	16700	15600	25000	20900	11800	1700	800
27	---	12100	12600	13600	7000	16000	17800	25300	18900	11100	1700	800
28	---	9800	11300	13500	7800	14700	17100	25600	28100	11700	1700	800
29	---	8700	9800	14400	---	14300	17500	24900	26500	12000	1900	900
30	---	8100	9200	13800	---	13300	20100	25500	27400	11900	1900	900
31	---	---	9700	12000	---	13400	---	27600	---	12900	1700	---
Minimum	---	---	6200	9400	---	8200	13500	13400	18900	4000	1700	300

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida, 25 feet from bottom

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1985 through September 1986. ---, indicates no data]

Minimum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	900	700	1600	---	---	---	800	14100	24200	---	---	---
2	900	600	1500	---	---	---	900	12300	23300	---	---	---
3	900	700	1400	---	---	---	800	12200	23900	---	---	---
4	800	600	1300	1200	---	---	900	18200	23900	---	---	---
5	800	600	1400	1100	---	---	1000	15600	27300	---	---	---
6	800	700	1300	1100	---	---	1100	13200	29300	---	---	---
7	800	700	1300	1000	---	---	1100	13300	25200	---	---	---
8	1000	700	1300	900	---	---	1100	13000	23400	---	---	---
9	1100	800	1200	1000	---	---	1300	15800	24100	---	---	---
10	2300	800	1300	900	---	---	2200	25000	24400	---	---	---
11	1200	800	1300	900	---	---	2100	23600	24300	---	---	13400
12	1000	900	1500	800	---	---	2300	20200	---	---	---	10800
13	1100	900	1400	600	---	---	3000	21700	---	---	---	9600
14	1300	1000	900	---	---	---	3100	21800	---	---	---	11800
15	1400	900	800	---	---	---	3500	21500	---	---	---	13100
16	1300	1000	700	---	---	---	2800	21200	---	---	---	12500
17	1200	1000	600	---	---	---	3500	21500	---	---	---	14400
18	1500	1000	600	---	---	---	4700	21600	---	---	---	20400
19	2000	1100	600	---	---	---	5000	19100	---	---	---	17800
20	1700	1100	600	---	---	---	9100	19200	---	---	---	16100
21	1600	1100	600	---	---	---	7800	19200	---	---	---	14300
22	1500	1100	700	---	---	---	---	20500	---	---	---	11800
23	1600	1100	700	---	---	---	---	21400	---	---	---	13100
24	1800	1300	700	---	---	---	---	21500	---	---	---	13300
25	2100	1500	700	---	---	---	---	21800	---	---	---	12400
26	3300	1500	700	---	---	---	---	23000	---	---	---	12000
27	9100	1500	700	---	---	---	---	24700	---	---	---	11900
28	4500	1500	---	---	---	---	---	25100	---	---	---	12000
29	1900	1500	---	---	---	800	---	25000	---	---	---	14500
30	1500	1500	---	---	---	800	---	24400	---	---	---	15000
31	1000	---	---	---	---	800	---	25500	---	---	---	---
Minimum	800	600	---	---	---	---	---	12200	---	---	---	---

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1986 through September 1987. ---, indicates no data]

Minimum values

1	14600	26000	26100	7400	600	400	---	7100	---	---	---	---
2	14100	26700	27100	3800	600	300	---	7500	---	---	---	---
3	15200	25800	23800	2400	600	300	---	7400	---	---	---	---
4	15100	29000	21300	1900	700	300	---	7500	---	---	---	---
5	16900	30200	20700	4100	900	400	---	8200	---	---	---	---
6	17000	27600	22800	1800	900	400	---	7300	---	---	---	---
7	20700	27000	22200	600	700	400	---	6800	---	22500	---	---
8	21400	26800	20700	500	300	400	---	6000	---	23000	---	---
9	21100	26300	19700	500	300	300	---	6500	---	23400	---	---
10	20000	25900	17600	500	200	200	---	6600	---	23700	---	---
11	21500	27000	15500	500	200	300	---	5100	---	23800	---	---
12	25600	25900	13500	500	100	300	---	5800	---	25100	---	---
13	24700	24900	13100	500	300	300	---	6600	---	27000	---	---
14	22700	30100	15000	600	300	300	---	6200	---	27100	---	---
15	22300	29800	13800	700	400	300	---	6800	---	26500	---	---
16	22500	30000	11000	700	400	400	---	5500	---	26000	---	---
17	23700	28300	8300	800	500	400	---	7800	---	26600	---	---
18	23800	27200	6800	1100	500	500	---	6100	---	29100	---	---
19	27300	25800	5400	1000	500	500	---	8600	---	28300	---	---
20	26800	27300	5300	900	500	500	---	---	---	27000	---	---
21	25800	25500	5500	900	600	500	---	---	---	26000	---	---
22	24700	21900	10100	1000	600	600	---	---	---	25600	---	---
23	24000	22300	10900	700	500	600	3700	---	---	26100	---	---
24	22200	24300	6300	600	400	---	4900	---	---	27500	---	4600
25	21300	23800	3800	600	300	---	5000	---	---	28000	---	4000
26	21600	23700	3700	500	400	---	6000	---	---	27500	---	4200
27	22400	23400	3300	500	400	---	7300	---	---	26200	---	4200
28	22500	23200	4200	500	300	---	7300	---	---	26300	---	4700
29	22200	26000	5000	500	---	---	8700	---	---	---	---	5300
30	22100	27500	5500	600	---	---	7600	---	---	---	---	4800
31	25000	---	4600	600	---	---	---	---	---	---	---	---
Minimum	14100	21900	3300	500	100	---	---	---	---	---	---	---

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida, 25 feet from bottom

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1987 through September 1988. ---, indicates no data]

Minimum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	5200	---	---	---	---	---	1500	10400	---	---	---	---
2	6200	---	---	---	---	---	1400	9700	---	---	---	---
3	6000	---	---	---	---	---	1600	8000	---	---	---	---
4	7600	---	---	---	---	---	1600	7000	---	---	---	---
5	9900	---	---	---	---	---	1800	6100	---	---	---	---
6	11200	---	---	---	---	---	1800	6200	---	---	---	---
7	10600	---	---	---	---	---	1900	7100	---	---	---	---
8	9700	---	---	---	---	---	2400	6800	---	---	---	---
9	10700	---	---	---	---	---	3400	7300	---	---	---	---
10	23400	---	---	---	---	---	3900	7100	---	---	---	---
11	15900	---	---	---	---	---	5000	6800	---	---	---	---
12	15700	---	---	---	---	---	6000	7200	---	---	---	---
13	23800	---	---	---	---	---	5400	7400	---	---	---	---
14	29900	---	---	---	---	---	6900	7600	---	---	---	---
15	29400	---	---	---	---	400	8500	8400	---	---	---	---
16	28800	---	---	---	---	400	8800	8600	---	---	---	---
17	40400	---	---	---	---	500	10100	9200	---	---	---	---
18	37400	---	---	---	---	600	9700	9600	---	---	---	---
19	36500	---	---	---	---	700	8300	9800	---	---	---	---
20	26500	---	---	16100	---	700	9000	9900	---	---	---	---
21	25800	---	---	13000	---	1000	9500	10600	---	---	---	---
22	33600	---	---	8900	---	1800	9200	11100	---	---	---	---
23	---	---	---	10300	---	2100	9500	10900	---	---	---	---
24	---	---	---	9800	---	2900	9100	10300	---	---	---	---
25	---	---	---	8500	---	3000	9100	9800	---	---	---	---
26	---	---	---	---	---	3000	11000	14700	---	---	---	---
27	---	---	---	---	---	2800	12100	---	---	---	---	---
28	---	---	---	---	---	1900	10400	---	---	---	---	---
29	---	---	---	---	---	1600	10500	---	---	---	---	---
30	---	---	---	---	---	1600	10600	---	---	---	---	---
31	---	---	---	---	---	1600	---	---	---	---	---	---
Minimum	---	---	---	---	---	---	1400	---	---	---	---	---

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 022312893, Nassau River near Tisonia

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1984 through September 1985. ---, indicates no data]

Minimum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	---	---	---	---	---	---	---	---	---	2020
2	---	---	---	---	---	---	---	---	---	---	---	2000
3	---	---	---	---	---	---	---	---	---	---	---	2000
4	---	---	---	---	---	---	---	---	---	---	---	2000
5	---	---	---	---	---	---	---	---	---	---	---	2000
6	---	---	---	---	---	---	---	---	---	---	---	2000
7	---	---	---	---	---	---	---	---	---	---	---	2000
8	---	---	---	---	---	---	---	---	---	---	---	2000
9	---	---	---	---	---	---	---	---	---	---	---	2000
10	---	---	---	---	---	---	---	---	---	---	---	2000
11	---	---	---	---	---	---	---	---	---	---	---	2010
12	---	---	---	---	---	---	---	---	---	---	---	2010
13	---	---	---	---	---	---	---	---	---	---	2170	2030
14	---	---	---	---	---	---	---	---	---	---	2150	2170
15	---	---	---	---	---	---	---	---	---	---	2110	2200
16	---	---	---	---	---	---	---	---	---	---	2090	2160
17	---	---	---	---	---	---	---	---	---	---	2090	2060
18	---	---	---	---	---	---	---	---	---	---	2080	2010
19	---	---	---	---	---	---	---	---	---	---	2110	2010
20	---	---	---	---	---	---	---	---	---	---	2140	2000
21	---	---	---	---	---	---	---	---	---	---	2100	2000
22	---	---	---	---	---	---	---	---	---	---	2060	2000
23	---	---	---	---	---	---	---	---	---	---	2080	2000
24	---	---	---	---	---	---	---	---	---	---	2100	2000
25	---	---	---	---	---	---	---	---	---	---	2080	2010
26	---	---	---	---	---	---	---	---	---	---	2050	2010
27	---	---	---	---	---	---	---	---	---	---	2070	2020
28	---	---	---	---	---	---	---	---	---	---	2100	2020
29	---	---	---	---	---	---	---	---	---	---	2120	2020
30	---	---	---	---	---	---	---	---	---	---	2120	2040
31	---	---	---	---	---	---	---	---	---	---	2120	---
Minimum	---	---	---	---	---	---	---	---	---	---	---	2000

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1985 through September 1986. ---, indicates no data]

Minimum values

1	2200	700	7600	3600	2600	2500	3000	---	30700	---	39300	35900
2	1500	500	7200	5100	2900	2300	3800	---	29700	---	37600	36900
3	1000	500	4300	4200	2200	1300	5400	---	26700	---	32900	36200
4	700	500	5800	4100	2600	1400	5300	---	31900	---	32000	35700
5	700	400	6700	1700	3200	1700	6700	---	33100	---	30200	35800
6	800	400	3600	1500	2000	1000	7900	---	30800	---	30500	34600
7	1100	600	5200	1000	800	700	7500	---	29500	---	31400	35500
8	5000	600	4900	800	700	700	7800	---	31900	---	32900	36000
9	8000	1000	5400	4300	500	1300	9500	---	30800	41600	34400	34600
10	11600	1700	5700	1000	300	1300	14800	---	26000	41800	30100	30300
11	2800	2100	6300	900	300	1000	14300	---	30100	43000	30900	26000
12	2400	1900	6400	400	---	1100	15100	---	33500	41800	35600	22600
13	4000	1800	5500	300	---	1700	17700	---	36500	43100	36900	21800
14	7300	1900	1000	---	---	700	18100	---	36000	42400	29700	26700
15	8800	2500	900	---	200	500	18400	---	36000	41400	32200	30200
16	7200	2800	700	---	200	400	16800	---	38200	44000	34800	30600
17	5700	3700	500	---	300	300	18600	---	38400	43400	34300	34100
18	10400	3100	400	---	300	200	21800	---	---	44200	33800	40900
19	11300	5900	400	---	300	200	24700	---	---	45200	33700	37000
20	6800	5700	400	---	300	200	26900	---	---	47500	39800	34900
21	5600	5400	400	---	400	300	25600	28300	---	49100	32300	30900
22	6200	2700	500	---	500	300	---	26500	---	47200	33600	28500
23	8600	1800	500	---	600	600	---	29200	---	37300	35300	30500
24	11100	6100	500	---	1700	500	---	26900	---	46100	37000	30700
25	12600	9000	500	---	1900	600	---	30800	---	43500	38600	27900
26	15800	8300	600	---	4100	1000	---	28900	---	39700	40700	27300
27	22200	7100	700	---	1100	1400	---	30300	---	37300	41300	28000
28	15900	5900	900	---	2000	2500	---	29000	---	36100	37200	29800
29	9000	6400	1300	---	---	4300	---	28400	---	36600	36500	34300
30	8200	7200	1900	1100	---	3300	---	28800	---	36900	38400	35600
31	1600	---	3600	2800	---	2800	---	28600	---	37900	36600	---
Minimum	700	400	400	---	---	200	---	---	---	---	29700	21800

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 022312893, Nassau River near Tisonia

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1986 through September 1987. ---, indicates no data]

Minimum values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	35900	41600	36900	23400	1700	700	---	---	33500	28100	40100	35400
2	35800	43200	37200	11500	1600	600	---	---	33500	40800	37900	---
3	33800	38200	33600	6200	1700	600	---	---	33300	38600	38100	---
4	35800	41900	27700	6600	2400	700	---	---	28700	37300	36800	---
5	36500	41100	33400	22900	8200	700	---	---	34300	37400	36200	---
6	32100	41800	36200	10400	4400	900	---	24100	34900	37800	37200	---
7	40700	39100	37700	2200	1600	1000	---	27600	38300	38900	39500	---
8	41100	39300	31900	1600	800	500	---	25300	35900	39600	41700	---
9	39600	36300	32700	1500	500	500	---	25700	32900	39600	45000	---
10	37600	38500	31600	1400	600	400	---	24400	20800	39300	44000	---
11	37500	43300	29400	1200	500	600	---	25300	31800	40400	45300	---
12	44000	39200	28000	1200	500	700	---	28500	34000	41000	46100	---
13	42500	37300	23100	1200	500	700	---	24000	30700	42800	48900	---
14	33000	39100	29600	1700	600	800	---	28600	28400	42200	47400	---
15	34700	47000	26900	1900	800	1000	---	24900	23400	42200	42700	---
16	40000	40200	24300	2500	1100	900	---	30000	26800	41500	38400	---
17	41200	38500	21400	3500	2100	1100	---	25800	24100	42300	34600	---
18	40400	40300	19100	9700	1300	3500	---	26100	26100	44700	33800	---
19	44300	38600	16900	3200	1200	2400	---	27000	26400	43700	33600	---
20	44600	37100	18100	2500	1600	4000	---	22600	29600	41500	34200	---
21	43100	34000	18400	3200	1800	1900	---	29300	29100	40800	35200	---
22	38900	37800	28900	2100	1300	3200	---	33600	29200	41400	35500	---
23	40200	39800	29300	1500	800	5400	---	31100	26800	43800	34000	---
24	38000	34200	17500	1400	700	6700	---	32500	27400	45500	33100	---
25	38000	37800	11600	1400	700	7700	---	27900	27700	46000	37200	21600
26	38000	35500	12100	1200	800	6400	---	33100	28800	45100	37000	20400
27	39800	36500	12100	1100	1000	4400	---	37400	27100	43300	36300	20000
28	39900	33400	17400	1200	1300	1900	---	37100	26900	42500	35000	22000
29	37800	36000	20200	1200	---	1200	---	38600	27000	42000	33500	22200
30	38300	40700	20600	1400	---	---	---	37600	26000	42200	33700	19600
31	43600	---	15700	1000	---	---	---	34800	---	41300	35800	---
Minimum	32100	33400	11600	1000	500	---	---	---	20800	28100	33100	---

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1987 through September 1988. ---, indicates no data]

Minimum values

1	21800	41700	32700	27500	4000	800	11000	24100	32800	38000	---	---
2	23200	43700	30200	27600	4700	800	12400	21900	31800	39100	---	---
3	22300	46600	30500	30600	5900	900	12100	17300	33800	39400	---	---
4	27200	46000	28300	29800	5700	900	12200	14200	37600	40100	---	---
5	28900	41800	28500	27200	8000	800	12800	12600	36900	41100	---	---
6	31600	38600	32500	28000	11900	1000	13200	14600	34800	41900	---	---
7	28400	41600	33300	30300	12900	1100	11600	17900	34500	41500	---	---
8	26500	37200	35900	26800	11300	1000	18100	19200	33600	39000	---	---
9	30400	35500	35400	24800	12200	900	20500	21200	27700	37600	---	---
10	33900	34100	34600	24800	13800	800	22200	21000	30200	37300	---	---
11	36000	30600	31800	25600	12700	1100	24100	20300	33800	38300	---	---
12	35800	34800	21900	24100	4100	1300	22700	21700	33200	30800	---	---
13	41800	35700	21000	22000	5100	1200	20800	21100	33500	30000	---	---
14	45300	37400	18200	23000	6100	1100	23400	21100	31700	30500	---	---
15	45800	38300	18600	24900	9700	1100	25400	22000	33000	---	---	---
16	44800	38800	18700	25300	7000	1300	26200	22500	33400	---	---	---
17	45700	39000	18800	25300	8100	2100	26000	23400	34400	---	---	---
18	43700	34100	21400	23000	12200	4000	23300	23900	31400	---	---	---
19	42700	32500	23000	24500	14800	2700	19100	24600	34400	---	---	---
20	42500	33000	22600	25900	3300	2300	24200	24600	32200	---	---	---
21	41100	29000	22400	20000	900	2200	23100	25800	35900	---	---	---
22	40400	31300	23000	15200	400	3900	22900	25800	36400	---	---	---
23	43700	33400	24400	11000	300	6500	23400	25200	35800	---	---	---
24	44100	32300	25500	8900	300	5200	22700	25100	37200	---	---	---
25	43300	33000	25300	6800	300	5200	24300	23800	40500	---	---	---
26	43400	32200	24900	3100	300	4800	29400	26000	42300	---	---	---
27	44200	32600	27100	3900	300	5300	28100	33900	39300	---	---	---
28	40800	35100	27800	4100	300	5800	23900	31500	40000	---	---	---
29	40500	36400	25900	3300	700	8400	24200	29500	38600	---	---	---
30	39700	35500	25900	3200	---	9500	24500	31400	36500	---	---	---
31	40300	---	27800	3400	---	9600	---	32400	---	---	---	---
Minimum	21800	29000	18200	3100	300	800	11000	12600	27700	---	---	---

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida, 8.0 feet from bottom

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1983 through September 1984. ---, indicates no data]

Mean values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	---	---	720	280	290	3140	23600	16100	---	---
2	---	---	---	---	820	260	290	4290	22600	17200	---	---
3	---	---	---	---	890	280	300	4330	20400	17500	---	---
4	---	---	---	---	920	300	330	3750	22300	17500	---	---
5	---	---	---	---	860	350	310	4740	24000	18100	---	---
6	---	---	---	---	690	350	310	5060	24000	---	---	---
7	---	---	---	---	790	330	320	4750	24300	---	---	---
8	---	---	---	---	1170	320	340	4800	23400	---	---	---
9	---	---	---	---	1320	280	370	6640	23600	---	---	---
10	---	---	---	---	1160	310	410	8490	23700	---	---	---
11	---	---	---	---	1160	310	510	9830	24200	---	---	---
12	---	---	---	---	1870	320	630	11200	24900	---	---	---
13	---	---	---	---	3010	370	620	10800	27100	---	---	---
14	---	---	---	---	3140	440	520	10100	24100	---	---	---
15	---	---	---	---	3520	480	510	13100	21400	---	---	---
16	---	---	---	---	4120	590	480	18800	21100	---	---	---
17	---	---	---	---	4600	850	420	19700	21200	---	---	---
18	---	---	---	---	5310	2010	380	20000	21300	---	---	---
19	---	---	---	---	5850	2880	400	16900	20600	---	---	---
20	---	---	---	4810	5810	2740	430	14300	21400	---	---	---
21	---	---	---	9840	5370	1610	530	15000	24300	---	---	---
22	---	---	---	9210	7260	1120	630	17100	25600	---	---	---
23	---	---	---	6190	4440	1070	670	17400	24800	---	---	---
24	---	---	---	3180	1440	1530	510	17300	23400	---	---	---
25	---	---	---	1660	1060	1800	850	21500	21800	---	---	---
26	---	---	---	1330	1210	1620	1060	18900	21500	---	---	---
27	---	---	---	1160	2080	1810	1840	17000	21700	---	---	---
28	---	---	---	870	440	500	2170	17400	17800	---	---	---
29	---	---	---	740	280	300	2940	17400	16700	---	---	---
30	---	---	---	720	---	260	3950	17900	15800	---	---	---
31	---	---	---	690	---	280	---	23400	---	---	---	---
Mean	---	---	---	---	2460	837	777	12700	22400	---	---	---

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1984 through September 1985. ---, indicates no data]

Mean values

1	9150	---	12200	19200	---	20900	21000	30800	34900	35700	19600	4410
2	6300	---	12800	19400	---	18100	22500	28700	34800	35400	20700	780
3	5010	---	13200	19000	---	18600	24800	30500	35700	34800	28900	650
4	3810	---	13700	18900	---	21400	25800	33600	37200	35300	33100	590
5	3130	---	17300	17200	---	19900	27200	36200	37500	35900	30700	580
6	3260	---	15300	20700	---	21200	26800	34200	37100	34400	28200	580
7	4160	---	13100	21000	---	29000	26000	31400	37200	31900	24700	610
8	6010	---	13000	20100	18900	26800	27500	29700	38700	29800	18400	670
9	8700	---	13000	24300	19500	23300	26600	31900	37300	30700	14600	720
10	12600	---	13000	27800	17600	23600	26200	34500	36900	30900	12900	780
11	16700	---	13300	25700	18400	24400	26700	30000	35500	29800	11500	830
12	14600	---	15300	24000	12600	21100	26400	30800	34100	27400	11200	1510
13	10600	---	16300	25100	11500	19900	25600	30900	33200	24200	10600	6620
14	9350	---	15400	22600	13600	20100	27100	30800	34800	19100	8800	11600
15	9800	---	16600	19600	14600	21500	25400	30100	33300	18000	7080	14000
16	8420	---	18100	23100	15200	24700	22800	32000	29000	15400	6220	12200
17	---	---	17900	22600	15200	24700	22500	31600	27500	19300	5840	5630
18	---	---	19100	21400	15200	21700	23800	31900	27500	22400	5280	1410
19	---	---	19400	21100	16100	21800	23000	32400	27400	25100	6150	890
20	---	15400	19800	21100	16500	21300	22700	32100	29100	25000	7750	750
21	---	27300	20900	21100	19900	22200	23000	30800	31400	23100	5250	700
22	---	33100	20600	19700	17400	24100	23600	28600	33800	21600	4510	700
23	---	35500	19800	20500	15600	24900	23800	28700	35000	20500	5490	720
24	---	34000	22200	20400	15100	21400	24300	27500	35800	22900	6260	830
25	---	27700	20600	19300	14000	21800	24300	28700	36500	18600	4400	1020
26	---	21600	20400	19100	13200	24300	24400	31800	35800	18400	3350	1270
27	---	17800	22400	21000	13200	23400	24200	32600	35700	18300	3990	1690
28	---	14900	18800	20900	15800	20600	23800	31800	38700	19500	5220	1370
29	---	13000	17500	23000	---	19800	26800	30500	38400	20000	6260	1540
30	---	12500	17000	24400	---	19900	31500	35200	37400	20000	6170	2010
31	---	---	17600	22100	---	20200	---	35000	---	20800	5660	---
Mean	---	---	17000	21500	---	22100	25000	31500	34600	25300	11900	2590

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida, 8.0 feet from bottom

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1985 through September 1986. ---, indicates no data]

Mean values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	1600	1010	4280	1650	2320	2450	2580	18000	32000	---	35600	30100
2	1300	930	3290	2250	2280	2340	2710	18400	30500	---	35000	31300
3	1200	950	2350	2170	2330	2110	3030	21500	30300	---	32300	---
4	1120	890	2740	2000	2610	2050	3620	26000	35300	---	31400	---
5	1100	860	2780	1740	2810	1990	4200	23300	37100	---	31400	---
6	1130	880	1740	1320	2270	1930	4200	20400	39100	---	32200	---
7	1380	940	2200	1100	1910	1870	3970	20000	36100	---	32300	---
8	3010	1020	2710	2920	1790	1980	4240	20700	32200	---	31800	---
9	4080	1270	3310	2050	1680	2050	5270	25500	30100	---	32000	---
10	5970	1640	4040	1220	1640	1980	7740	34900	31300	36200	32300	---
11	2080	1800	4440	1160	1610	1920	7840	32900	30700	36100	31600	21000
12	1730	1920	4200	740	1560	1990	7430	28600	---	36600	33200	18000
13	2990	1950	3790	790	1570	2060	9120	27700	---	36100	34300	17300
14	4710	2740	1410	1210	1570	1960	9900	29200	---	36800	32600	20800
15	5100	2940	1110	1600	1570	1760	9690	29100	---	38200	33300	23500
16	4290	2980	980	1610	1580	1680	7870	28700	---	39900	34600	23200
17	2270	2150	870	1620	1610	1610	9570	28500	---	40600	36100	26400
18	4000	2060	840	1630	1620	1620	11600	28900	---	41000	36200	34400
19	5990	2620	820	1660	1640	1600	15400	28000	---	42100	36400	30000
20	3650	2320	830	1670	1670	1600	17600	25300	---	43600	36700	26800
21	2960	2330	840	1690	1720	1600	15500	26200	---	45000	36100	23100
22	3350	2400	880	1720	1730	1660	---	28100	---	46700	35200	21900
23	4380	2090	890	1760	1850	1670	---	29600	---	42500	35800	23000
24	5480	3830	920	2440	2200	1700	---	29800	---	43500	37100	22700
25	7690	4370	930	3090	2390	1790	---	29600	---	44300	38100	20100
26	13900	3770	950	2550	2900	1920	---	31400	---	42100	38700	19100
27	15700	2980	990	1840	2050	2090	---	33200	---	35900	35900	19400
28	9100	2890	1090	1840	2210	2380	---	33300	---	34500	33000	21200
29	7030	3170	1260	1940	---	3200	---	32600	---	34200	33900	25100
30	3800	3550	1480	2010	---	3120	---	33500	---	34300	35800	27100
31	1100	---	1810	2280	---	2760	---	33200	---	35200	32100	---
Mean	4300	2170	1960	1780	1950	2010	---	27600	---	---	34300	---

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1986 through September 1987. ---, indicates no data]

Mean values

1	26400	37800	38400	18200	980	550	4710	13000	23500	---	30100	26400
2	26200	36500	37500	8420	1020	420	4740	13200	22900	---	28000	24300
3	27100	37400	32400	4880	880	410	4700	13800	22500	---	26800	22800
4	27500	40300	29200	4700	1040	400	4720	14200	23500	---	25900	21900
5	28500	40300	27400	13400	2320	430	4710	14100	25100	---	25200	21400
6	28500	37400	29000	10100	3010	460	4730	16800	27700	---	24400	18000
7	34800	35200	29300	1970	1040	530	4740	14700	28900	31700	24800	15300
8	34600	35000	28100	820	620	500	4740	13400	27600	32700	28000	13000
9	32500	34400	26700	830	350	410	4780	17300	---	32900	31500	9500
10	30700	34100	25600	770	320	350	4850	17100	---	33300	35700	7110
11	34400	36200	24200	680	300	410	4920	15500	27000	34200	36900	6150
12	37700	35900	20300	720	330	410	4910	17000	29500	35600	39700	4980
13	35900	36000	19900	860	370	430	5010	18100	28700	37300	42400	3390
14	32100	42300	22600	1120	430	480	5340	17500	28300	37100	40800	2900
15	27200	41700	19200	1150	480	520	5930	18200	26500	35400	36500	2810
16	33800	38200	15900	1390	720	520	6290	18600	26500	34900	32400	2980
17	35500	35900	14400	2250	980	760	7100	19200	26700	36600	29700	2740
18	34200	34800	12400	4160	700	1620	7470	19300	27200	38700	28400	2430
19	39800	34300	10400	2130	700	1490	8470	17900	28000	35300	27600	2540
20	39800	35900	11700	1390	810	1780	9010	16900	28300	32700	27500	3470
21	34300	33000	13500	1610	980	1650	9080	18700	27900	31300	27300	6000
22	32500	32700	21100	2160	1070	1280	9660	21900	27100	31100	28000	8080
23	31000	33000	22500	1110	620	2500	11100	22000	26700	32100	26400	9290
24	30400	31900	12500	990	520	---	11300	20700	26300	34100	24700	11700
25	29300	30800	8160	920	490	---	12000	20500	26900	34600	27700	11800
26	29800	31300	6290	770	600	---	14100	21000	27600	34000	27400	11600
27	31500	31000	8340	820	690	---	15800	22900	26800	32500	25900	12100
28	31600	33100	13700	730	670	---	16700	25000	27500	31300	24700	13600
29	32000	37700	14400	940	---	---	17800	25600	29000	30900	23900	13600
30	33600	38100	12100	810	---	---	16100	25200	28600	32200	24900	11700
31	38200	---	14300	710	---	---	---	24300	---	32300	26100	---
Mean	32300	35700	20000	2950	823	---	8180	18500	---	---	29300	10800

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida, 8.0 feet from bottom

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1987 through September 1988. ---, indicates no data]

Mean values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	14100	38200	28100	---	---	---	---	---	---	---	---	---
2	15200	42200	26100	---	---	---	---	---	---	---	---	---
3	14200	41400	23300	---	---	---	---	---	---	---	---	---
4	17600	36300	23000	---	---	---	---	---	---	---	---	---
5	19800	35900	22900	---	---	---	---	---	---	---	---	---
6	21700	36500	22900	---	---	---	---	---	---	---	---	---
7	19600	31900	23100	---	4350	---	---	---	---	---	---	---
8	19100	29700	24000	---	3850	---	---	---	---	---	---	---
9	22100	27700	25600	---	3700	---	---	---	---	---	---	---
10	32400	24900	25300	---	3870	---	---	---	---	---	---	---
11	28600	27000	23700	---	5460	---	6640	---	---	---	---	---
12	27000	28900	22800	---	2670	---	8180	---	---	---	---	---
13	38200	29600	24100	---	---	---	8570	---	---	---	---	---
14	43100	29800	---	---	3430	---	9680	---	---	---	---	---
15	39900	31500	---	---	5500	---	11200	---	---	---	---	---
16	40900	29000	---	---	3110	---	12300	---	---	---	---	---
17	44600	25900	---	---	4930	---	13000	---	---	---	---	---
18	43600	27700	---	---	6720	---	13100	---	---	---	---	---
19	41000	27100	---	---	8630	---	12700	---	---	---	---	---
20	37800	25000	---	23100	---	---	---	---	---	---	---	---
21	33700	23900	---	17600	---	---	12900	---	---	---	---	---
22	38400	24100	---	---	---	---	12500	---	---	---	---	---
23	38000	25600	---	---	---	---	13900	---	---	---	---	---
24	38100	27200	---	---	---	---	15200	---	---	---	---	---
25	37400	29000	---	---	---	---	---	---	---	---	---	---
26	39900	28600	---	---	---	---	---	---	---	---	---	---
27	36700	27700	---	---	---	---	---	---	---	---	---	---
28	36700	25400	---	---	---	---	---	---	---	---	---	---
29	33000	25800	---	---	---	---	---	---	---	---	---	---
30	32700	27200	---	---	---	---	---	---	---	---	---	---
31	35000	---	---	---	---	---	---	---	---	---	---	---
Mean	31600	29700	---	---	---	---	---	---	---	---	---	---

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida, 25 feet from bottom

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1983 through September 1984. ---, indicates no data]

Mean values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	---	---	---	---	700	280	200	3200	20400	13600	14600	20100
2	---	---	---	---	850	280	240	4150	19900	14900	11700	20500
3	---	---	---	---	940	280	250	4260	18100	15200	9820	20600
4	---	---	---	---	990	320	250	3760	19900	15600	8790	20100
5	---	---	---	---	810	350	240	4600	20100	15600	9010	19300
6	---	---	---	---	630	380	230	4870	21700	15700	9670	22800
7	---	---	---	---	770	320	240	4620	21500	15600	9690	27100
8	---	---	---	---	1150	320	260	4680	22000	14800	10300	29500
9	---	---	---	---	1310	280	300	6220	21700	16700	10700	31100
10	---	---	---	---	1180	300	330	7760	21900	17700	11800	26300
11	---	---	---	---	1160	310	480	8910	22400	16600	13400	22800
12	---	---	---	---	2100	340	610	10100	22700	16200	14700	20300
13	---	---	---	---	3170	390	600	9770	24600	16100	14200	18600
14	---	---	---	---	3260	430	520	9190	21800	15900	13900	18100
15	---	---	---	---	3610	470	520	11800	19300	16500	14300	18700
16	---	---	---	---	4150	580	470	16500	19100	16800	15700	20800
17	---	---	---	---	4560	810	410	17100	19300	16000	17400	29000
18	---	---	---	---	5270	1860	390	17300	19100	14300	18500	31600
19	---	---	---	---	5740	2680	430	13800	18500	13900	18100	27100
20	---	---	---	4760	5740	2530	460	12400	18800	14200	17400	23800
21	---	---	---	9040	5170	1490	520	13800	21100	14600	19000	22600
22	---	---	---	8420	6690	1060	640	14900	21000	14800	19300	21500
23	---	---	---	5790	4300	1010	650	14900	21500	14500	16400	20900
24	---	---	---	3220	1350	1410	520	15200	20400	13200	15000	21400
25	---	---	---	1890	1000	1670	780	18100	18900	12900	16900	20700
26	---	---	---	1280	1120	1490	990	16800	18600	12200	21200	21800
27	---	---	---	1120	1920	1670	2100	15500	18600	12200	23300	20800
28	---	---	---	920	420	510	2370	15700	15200	12000	25700	25800
29	---	---	---	690	270	240	3050	15500	14200	14100	25500	14000
30	---	---	---	650	---	180	3910	16500	13600	18000	22900	11500
31	---	---	---	640	---	200	---	20500	---	17500	20800	---
Mean	---	---	---	---	2430	788	765	11400	19900	15100	15800	22300

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1984 through September 1985. ---, indicates no data]

Mean values

1	9010	---	11400	15900	---	15100	20400	29600	34200	31400	20000	4100
2	5400	---	12000	15600	---	13500	22200	29300	34100	30900	19800	580
3	4350	---	12200	15300	---	13600	25200	30100	35400	30500	28300	650
4	3800	---	12700	14700	---	15500	25600	33000	37200	31000	33000	550
5	3900	---	15900	13400	---	14500	26900	35400	37500	31700	30600	550
6	2900	---	14100	15700	---	17100	27200	32600	36700	30200	27600	550
7	4100	---	12300	16900	---	22400	26400	29900	36600	27900	23700	600
8	4700	---	11200	15900	15400	20200	27300	28800	38200	26400	17500	650
9	6300	---	11100	19000	15200	19800	26900	31500	36600	26400	13600	640
10	8300	---	11100	21700	14600	20900	26600	30400	36500	27000	11900	640
11	13500	---	11500	20600	14900	21400	26700	29700	35300	26000	10800	640
12	9400	---	12800	20400	10300	18300	26200	30300	33500	25300	10400	1300
13	7400	---	13800	21300	8950	17000	25800	30200	33300	22500	9830	6000
14	7100	---	13200	18500	10200	17500	26900	28200	33700	19900	8150	11000
15	6500	---	15200	16400	9300	17800	24800	27500	32300	13500	6530	11700
16	6800	---	16000	19600	11500	20800	22100	24400	28300	14200	5730	12200
17	---	---	15500	19300	12100	22100	21900	29000	26600	16700	5270	5410
18	---	---	16500	18000	12300	19000	23500	31600	26600	22200	4800	1420
19	---	---	16300	17700	12900	19800	22600	32200	26400	25100	5630	620
20	---	14300	16800	17700	13000	19300	21800	31800	27300	24900	7220	430
21	---	24900	17700	18100	15800	21300	22300	28900	28900	21200	4830	370
22	---	29900	17300	16300	14000	23100	22900	28200	30500	21200	4070	370
23	---	32100	16700	16900	12600	24200	23000	28400	31400	21200	5080	370
24	---	30800	18600	17500	12000	21300	23400	27100	31600	23100	5670	604
25	---	25200	17900	16700	11300	21100	22500	29000	32400	18000	4040	810
26	---	19700	17300	16700	10800	24000	23400	31500	28800	17100	3030	1080
27	---	16300	19100	18500	10500	23000	23600	31500	29200	17200	3720	1530
28	---	13700	16300	18600	12200	20100	23800	31300	34100	18000	4680	1180
29	---	11900	14900	19600	---	19100	26100	30500	34500	18500	6050	1360
30	---	11600	14000	19300	---	18900	31400	31700	33000	18400	6020	1860
31	---	---	14400	17400	---	18900	---	34400	---	18900	5430	---
Mean	---	---	14700	17700	---	19400	24600	30300	32700	23100	11400	2330

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida, 25 feet from bottom

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1985 through September 1986. ---, indicates no data]

Mean values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	1440	800	4360	---	---	---	1670	18100	31200	---	---	---
2	1110	750	3340	---	---	---	1790	18300	30300	---	---	---
3	990	750	2390	---	---	---	2140	21700	29900	---	---	---
4	910	720	2740	1960	---	---	2730	26200	33600	---	---	---
5	880	700	2880	1710	---	---	3310	23400	34600	---	---	---
6	970	750	1820	1350	---	---	3360	19900	36700	---	---	---
7	1220	780	2260	1200	---	---	3070	19400	32700	---	---	---
8	2950	860	2740	3030	---	---	3360	20100	29400	---	---	---
9	4000	1150	3300	2060	---	---	4470	24300	28300	---	---	---
10	6060	1490	3980	1330	---	---	7050	32900	29600	---	---	---
11	2230	1720	4370	1230	---	---	7150	30200	29800	---	---	18300
12	1560	1820	4090	870	---	---	6780	27300	---	---	---	15800
13	2770	1810	3770	630	---	---	8460	27800	---	---	---	15200
14	4420	2680	1320	---	---	---	9210	29000	---	---	---	18000
15	4940	2840	860	---	---	---	9410	28700	---	---	---	20400
16	4130	2940	760	---	---	---	7090	28400	---	---	---	20000
17	2110	2070	700	---	---	---	8970	28200	---	---	---	22500
18	4000	1950	680	---	---	---	10600	28900	---	---	---	29100
19	5940	1690	690	---	---	---	15200	25900	---	---	---	25600
20	3720	1760	690	---	---	---	17400	25100	---	---	---	22600
21	3070	2230	700	---	---	---	15400	25700	---	---	---	19400
22	3420	2000	710	---	---	---	---	27800	---	---	---	17900
23	4430	1980	720	---	---	---	---	29200	---	---	---	19200
24	5490	3770	720	---	---	---	---	29500	---	---	---	19300
25	7710	4350	770	---	---	---	---	29200	---	---	---	17200
26	13600	3750	780	---	---	---	---	30700	---	---	---	16200
27	15200	3070	770	---	---	---	---	32300	---	---	---	16400
28	8960	3010	---	---	---	---	---	32500	---	---	---	17900
29	7030	3220	---	---	---	2300	---	31700	---	---	---	21300
30	3860	3650	---	---	---	2200	---	32300	---	---	---	23000
31	1260	---	---	---	---	1870	---	32200	---	---	---	---
Mean	4210	2040	---	---	---	---	---	27000	---	---	---	---

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1986 through September 1987. ---, indicates no data]

Mean values

1	21800	33300	33800	15900	660	500	---	11300	---	---	---	---
2	21500	32500	32800	7430	850	420	---	12100	---	---	---	---
3	22600	33600	28300	4330	920	440	---	12400	---	---	---	---
4	22800	36400	25400	4220	1070	440	---	12500	---	---	---	---
5	24600	36000	25900	12100	1760	470	---	13500	---	---	---	---
6	25900	32900	28800	8990	1670	490	---	14800	---	---	---	---
7	30200	31800	27400	1690	960	560	---	13500	---	29100	---	---
8	30000	31700	24800	740	660	450	---	12300	---	30000	---	---
9	28400	31100	23600	700	350	350	---	15700	---	30300	---	---
10	26700	30700	21800	690	320	270	---	15400	---	30900	---	---
11	29800	33000	18700	540	310	320	---	14900	---	31000	---	---
12	32500	32000	17000	550	300	330	---	15800	---	32400	---	---
13	31100	32200	17600	600	370	340	---	16400	---	34000	---	---
14	28600	37700	21300	700	430	380	---	16600	---	34100	---	---
15	27500	36400	18700	740	490	390	---	17300	---	32700	---	---
16	28500	34300	15400	790	660	400	---	17800	---	32100	---	---
17	30100	32100	12900	1300	730	630	---	18200	---	33700	---	---
18	30800	31200	11400	2520	580	1430	---	18200	---	35700	---	---
19	33800	30500	9780	1210	640	1360	---	17500	---	34600	---	---
20	32400	32700	10600	1020	740	1590	---	---	---	32400	---	---
21	30800	29700	12800	1210	950	1480	---	---	---	30700	---	---
22	29900	28800	19000	1830	1050	1130	---	---	---	30300	---	---
23	28800	28900	19500	1010	580	2170	7470	---	---	30800	---	---
24	27200	28300	12500	920	480	---	8900	---	---	32400	---	9920
25	27200	27400	7220	810	490	---	9990	---	---	32800	---	11800
26	27400	27800	6100	710	580	---	12200	---	---	32000	---	11600
27	27800	27600	8140	750	650	---	14300	---	---	30300	---	12100
28	28000	29300	12500	730	710	---	14900	---	---	29900	---	13600
29	28400	33400	13600	910	---	---	16100	---	---	---	---	13500
30	30000	33800	12200	700	---	---	14300	---	---	---	---	11600
31	33100	---	12900	640	---	---	---	---	---	---	---	---
Mean	28300	31900	18100	2480	713	---	---	---	---	---	---	---

Appendix V.--Daily maximum, minimum, and mean specific conductance at sites in the Nassau River basin, Florida--Continued

Station number 02231289, Nassau River near Hedges, Florida, 25 feet from bottom

[Specific conductance in microsiemens per centimeter at 25 degrees Celsius, water year October 1987 through September 1988. ---, indicates no data]

Mean values

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	13800	---	---	---	---	---	2630	13700	---	---	---	---
2	14800	---	---	---	---	---	1800	15400	---	---	---	---
3	13900	---	---	---	---	---	2140	13400	---	---	---	---
4	17200	---	---	---	---	---	1820	11100	---	---	---	---
5	19100	---	---	---	---	---	2000	9820	---	---	---	---
6	21100	---	---	---	---	---	1920	9950	---	---	---	---
7	19100	---	---	---	---	---	2090	11900	---	---	---	---
8	18600	---	---	---	---	---	3190	12800	---	---	---	---
9	21100	---	---	---	---	---	3840	14400	---	---	---	---
10	29800	---	---	---	---	---	4710	14000	---	---	---	---
11	26500	---	---	---	---	---	6290	13700	---	---	---	---
12	26100	---	---	---	---	---	7150	15900	---	---	---	---
13	33600	---	---	---	---	---	6950	15200	---	---	---	---
14	38600	---	---	---	---	---	7470	15500	---	---	---	---
15	36700	---	---	---	---	720	8820	16600	---	---	---	---
16	36400	---	---	---	---	990	9430	17700	---	---	---	---
17	42000	---	---	---	---	1370	11500	17300	---	---	---	---
18	40300	---	---	---	---	1900	10700	17600	---	---	---	---
19	38300	---	---	---	---	1850	10100	17800	---	---	---	---
20	33200	---	---	22400	---	1500	9360	17300	---	---	---	---
21	33300	---	---	17900	---	1680	10500	17700	---	---	---	---
22	38100	---	---	13700	---	2360	10700	18400	---	---	---	---
23	---	---	---	11900	---	2720	10400	17700	---	---	---	---
24	---	---	---	10900	---	2990	10400	17000	---	---	---	---
25	---	---	---	9120	---	3070	11000	16900	---	---	---	---
26	---	---	---	---	---	3090	13100	27500	---	---	---	---
27	---	---	---	---	---	2970	13600	---	---	---	---	---
28	---	---	---	---	---	2390	12100	---	---	---	---	---
29	---	---	---	---	---	1810	11500	---	---	---	---	---
30	---	---	---	---	---	1960	12400	---	---	---	---	---
31	---	---	---	---	---	2680	---	---	---	---	---	---
Mean	---	---	---	---	---	---	7650	---	---	---	---	---

Appendix VI.--Meteorological conditions and physical properties of surface-water samples at sites in the Nassau River basin, Florida

[°C, degrees Celsius; mi/hr, miles per hour; µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; ppt, parts per thousand; --, indicates no data]

Date	Time	Air temperature (°C)	Cloud cover (percent)	Wind direction (degrees from north)	Wind speed (mi/hr)	Sample depth (feet)	Water temperature (°C)	pH (standard unit)	Conductance (µS/cm)	Dissolved oxygen (mg/L)
Alligator Creek at A1A South										
12-01-82	915	28	0	90	2	1.6404	21	6.9	300	2.7
12-01-82	916	--	--	--	--	3.2808	--	--	310	--
03-03-83	915	--	0	270	1	1.6404	14	7.3	125	7.2
06-07-83	957	27	95			1.6404	23.2	6.8	256	3
09-21-83	920	--	75	270	2	1.6404	23	6.9	320	2.5
12-06-83	940	24	100	--	--	0	--	--	--	--
03-06-84	1140	21	--	--	10	1.6404	17	6.8	163	6.4
06-07-84	900	27	20	270	2	1.6404	23.5	6.8	280	0.1
09-04-84	1315	37	30	135	5	1.6404	25	--	700	0.1
12-05-84	1520	15	100	0	5	1.6404	15	6.78	260	2.25
03-05-85	1530	30.5	0	135	8	1.6404	22.3	7	317	6.3
05-08-85	1015	--	0	--	3	1.6404	20	--	330	4.3
07-09-85	1035	--	0	225	3	1.6404	24.2	6.4	360	6.3
09-09-85	1030	--	0	--	--	1.6404	23.8	5.7	131	4.8
11-04-85	1210	30	5	270	15	1.6404	20	--	90	5.2
01-09-86	1420	7	100	45	10	1.6404	8.5	6.7	88	9.45
03-05-86	1430	18	0	360	5	1.6404	13.5	6.8	150	7.5
05-05-86	1410	23	50	90	15	1.6404	22	7.5	510	6.9
07-14-86	1415	33	0	270	8	0.98424	30	7.5	540	4.3
09-11-86	1435	29	50	135	5	1.6404	24.6	6.6	245	5
11-06-86	1350	25	50	45	10	1.6404	20.9	6.7	323	1.5
01-08-87	1340	15	20	25	10	1.6404	11	6.5	70	6.5
03-05-87	1300	20	40	45	15	1.6404	13.5	6	70	5
05-04-87	1420	32	30	45	10	1.6404	24.5	6.6	650	4.4
07-09-87	1350	33	80	0	5	1.6404	30.5	7	700	8.1
09-03-87	1355	29	100	--	0	1.6404	25.5	6.5	270	4.5
Mills Creek at A1A South										
12-01-82	1002	28	0	90	2	1.6404	20.5	5.85	130	0.75
12-01-82	1003	--	--	--	--	3.2808	--	--	130	--
12-01-82	1004	--	--	--	--	4.9212	--	--	130	--
12-01-82	1005	--	--	--	--	6.5616	--	--	130	--
12-01-82	1006	--	--	--	--	8.202	--	--	135	--
12-01-82	1007	--	--	--	--	9.8424	--	--	135	--
12-01-82	1008	--	--	--	--	11.4828	--	--	140	--
12-01-82	1009	--	--	--	--	13.1232	--	--	140	--
12-01-82	1010	--	--	--	--	14.7636	--	--	140	--
12-01-82	1011	--	--	--	--	16.404	--	--	140	--
12-01-82	1012	--	--	--	--	19.6848	--	--	140	--
03-03-83	941	--	0	270	1	1.6404	15.5	6.3	60	4.8
03-03-83	942	--	--	--	--	6.5616	15	--	65	4.7
03-03-83	943	--	--	--	--	11.4828	15	--	65	4.65
06-07-83	1035	27	95	--	--	1.6404	25.4	5.7	263	1.5
09-21-83	945	--	75	270	2	1.6404	24.2	5.7	200	1.7
09-21-83	946	--	--	--	--	4.9212	24.1	5.6	200	1.5
09-21-83	947	--	--	--	--	8.202	24.1	5.5	200	1.4
12-06-83	1012	24	100	--	--	0	--	--	--	--
03-06-84	1230	21	100	--	10	1.6404	17	--	122	3.3
06-07-84	945	27	20	270	2	1.6404	24	--	140	2
09-04-84	1430	37	30	135	5	1.6404	26	--	255	1.6
12-05-84	1450	15	100	0	5	1.6404	15	5.9	300	4.15
03-05-85	1505	30.5	0	135	8	1.6404	21	6.2	205	4.4
05-08-85	1400	--	0	--	3	1.6404	22	--	200	2

Appendix VI.--Meteorological conditions and physical properties of surface-water samples at sites in the Nassau River basin, Florida--Continued

[°C, degrees Celsius; mi/hr, miles per hour; µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; ppt, parts per thousand; --, indicates no data]

Date	Time	Air temperature (°C)	Cloud cover (percent)	Wind direction (degrees from north)	Wind speed (mi/hr)	Sample depth (feet)	Water temperature (°C)	pH (standard unit)	Conductance (µS/cm)	Dissolved oxygen (mg/L)	Salinity (ppt)
Mills Creek at A1A South											
09-09-85	1100	--	0	--	--	1.6404	24	4.9	55	0.3	--
11-04-85	1130	30	5	270	15	1.6404	20	--	65	1.25	--
01-09-86	1355	7	100	45	10	1.6404	9	6	48	6.2	--
03-05-86	1400	18	0	360	5	1.6404	12.5	5.8	95	5	--
05-05-86	1350	23	50	90	15	1.6404	21	6.5	220	3	--
07-14-86	1355	33	0	270	8	1.6404	30	5.7	1,200	3.5	--
09-11-86	1410	29	50	135	5	1.6404	23.4	5.5	155	0.7	--
11-06-86	1330	25	50	45	10	1.6404	20.8	5.2	2,330	0.7	--
01-08-87	1320	15	20	25	10	1.6404	11	7.5	80	--	--
03-05-87	1250	20	40	45	15	1.6404	13.5	6	75	4.5	--
05-04-87	1355	32	30	45	10	1.6404	25	4.9	230	2.5	--
07-09-87	1335	33	80	0	5	1.6404	30.5	6.8	690	6.8	--
09-03-87	1320	29	100	--	0	1.6404	25	7	250	4	--
Alligator and Mills Creek at Police Club Road											
12-01-82	1054	28	0	90	2	1.6404	21	6.35	365	4.3	--
12-01-82	1055	--	--	--	--	3.2808	--	--	370	--	--
12-01-82	1056	--	--	--	--	6.5616	--	--	370	--	--
12-01-82	1057	--	--	--	--	9.8424	--	--	370	--	--
03-03-83	1016	--	0	270	1	1.6404	15	6.5	120	3.65	--
03-03-83	1017	--	--	--	--	6.5616	15	--	120	--	--
03-03-83	1018 1	--	--	--	--	3.1232	15	--	125	--	--
03-03-83	1019 1	--	--	--	--	8.0444	15	--	125	--	--
06-07-83	1119	27	95	--	--	1.6404	27.9	6.4	1,092	4.9	--
09-21-83	1023	--	75	270	2	1.6404	26.2	6.1	945	4.3	--
09-21-83	1024	--	--	--	--	4.9212	26.2	6.2	950	4.1	--
09-21-83	1025	--	--	--	--	8.202	26.2	6.1	950	4	--
09-21-83	1026 1	--	--	--	--	1.4828	26.2	6.1	960	4	--
12-06-83	1045	24	100	--	--	0	--	--	--	--	--
03-07-84	1550	15	100	--	7	1.6404	16	--	110	5.3	--
06-07-84	1015	27	20	270	2	1.6404	27	--	1,600	4.7	--
09-04-84	1530	37	30	135	5	1.6404	28.5	--	1,700	4.4	1.1
12-05-84	1410	15	100	0	5	1.6404	16	6.59	16,500	6.2	1.5
03-05-85	1350	30.5	0	135	8	1.6404	20.4	7	1,210	6.5	--
05-08-85	1320	--	0	--	3	1.6404	25	--	3,400	4.5	2.3
07-09-85	1205	--	0	225	3	1.6404	27.6	6.2	1,425	4.7	--
09-09-85	1135	--	0	--	--	1.6404	25.3	4.9	84	0.8	--

Appendix VI.--Meteorological conditions and physical properties of surface-water samples at sites in the Nassau River basin, Florida--Continued

[°C, degrees Celsius; mi/hr, miles per hour; µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; ppt, parts per thousand; --, indicates no data]

Date	Time	Air temperature (°C)	Cloud cover (percent)	Wind direction (degrees from north)	Wind speed (mi/hr)	Secchi depth (inches)	Sample depth (feet)	Water temperature (°C)	pH (standard unit)	Conductance (µS/cm)	Dissolved oxygen (mg/L)	Salinity (ppt)
Thomas Creek upstream of Nassau River												
12-01-82	1128	28	20	90	4	6.5	1.6404	21	--	1,400	5.4	--
12-01-82	1129	--	--	--	--	--	3.2808	--	--	1,450	--	--
12-01-82	1130	--	--	--	--	--	4.9212	--	--	1,450	--	--
03-02-83	1300	22	0	270	10	6.5	1.6404	14.5	--	260	6.2	--
03-02-83	1301	--	--	--	--	6.3	9.8424	14.5	--	--	--	--
06-08-83	1317	22.5	95	315	1	18	1.6404	25.4	6.3	4,450	5.4	--
09-20-83	1017	--	95	225	1	22	1.6404	26.4	6.2	7,190	4.8	--
09-20-83	1018	--	--	--	--	--	4.9212	26.4	6.3	7,200	4.7	--
09-20-83	1019	--	--	--	--	--	8.26762	26.4	6.3	7,280	4.6	--
09-20-83	1020	--	--	--	--	--	11.4828	26.5	6.3	7,290	4.6	--
12-05-83	1428	--	10	135	5	--	0	--	--	--	--	--
03-07-84	1500	15	100	--	7	--	1.6404	15.5	6.25	132	6.75	--
03-07-84	1501	--	--	--	--	--	6.5616	27.5	--	132	6.8	--
03-07-84	1502	--	--	--	--	--	9.8424	15.5	--	133	6.7	0
06-08-84	1315	27	20	270	2	--	1.6404	27.5	6.9	11,000	6.5	7.9
06-08-84	1316	--	--	--	--	--	4.9212	27.5	--	11,000	6.5	7.9
06-08-84	1317	--	--	--	--	--	8.202	27.5	--	11,000	6.45	7.6
06-08-84	1318	--	--	--	--	--	11.4828	27.5	--	10,500	6.35	7
09-05-84	1400	25	100	10	4	20	1.6404	28	6.8	12,000	4.9	8
12-04-84	1430	18	25	0	4	18	1.6404	15	6.75	3,100	6.8	2.5
03-05-85	1310	30.5	0	135	8	18	1.6404	19.6	7	8,770	7.9	--
03-05-85	1311	--	--	--	--	--	6.5616	19.5	7	8,790	7.9	--
03-05-85	1312	--	--	--	--	--	19.6848	19.5	7	8,810	7.9	--
05-07-85	1410	28	50	270	10	--	1.6404	23.5	--	20,500	5.4	15
07-08-85	1335	--	15	270	8	20	1.6404	28.9	6.5	12,970	7.1	--
09-10-85	1430	27	10	--	5	12	1.6404	26.8	5	205	3.6	0
11-04-85	1220	19	10	270	20	18	1.6404	23	6	100	--	--
11-04-85	1221	19	10	270	20	--	6.5616	23	--	100	--	--
11-04-85	1222	19	10	270	20	--	13.1232	23	--	110	--	--
11-04-85	1223	19	10	270	20	--	19.6848	23	--	110	--	--
12-16-85	1320	10	0	310	10	13	1.6404	11.9	6.3	110	6	0.1
04-23-86	1420	--	0	315	15	14	1.6404	21	6.9	3,530	6.2	2.7
06-17-86	1335	--	40	--	--	22	1.6404	31	--	16,000	5.9	8.5
06-17-86	1336	--	40	--	--	--	9.8424	--	--	16,000	--	8.5
06-17-86	1337	--	40	--	--	--	19.6848	--	--	15,000	--	8.5
06-17-86	1350	--	40	--	--	--	1.6404	--	--	13,000	--	7
10-23-86	1210	27	10	45	20	36	1.6404	19.4	7.2	15,930	6.7	--
10-23-86	1211	--	--	--	--	--	9.8424	18.5	7	16,000	6.6	--
10-23-86	1212	--	--	--	--	--	19.6848	18.1	7	16,000	6.5	--
Nassau River at Interstate 95												
12-01-82	1225	28	20	90	4	--	1.6404	21	6.7	6,000	5.9	3.5
12-01-82	1226	--	--	--	--	--	4.9212	--	--	--	--	--
12-01-82	1227	--	--	--	--	--	8.202	--	--	--	--	--
12-01-82	1228	--	--	--	--	--	11.4828	--	--	--		
12-01-82	1229	--	--	--	--	--	14.7636	--	--	--	--	--
12-01-82	1230	--	--	--	--	--	18.0444	--	--	--	--	--
03-02-83	1237	22	0	270	10	--	1.6404	14.5	6.65	455	7.25	--
03-02-83	1238	--	--	--	--	--	4.9212	14	--	485	7.35	--
03-02-83	1239	--	--	--	--	--	8.202	14	--	500	7	--
03-02-83	1240	--	--	--	--	--	11.4828	14	--	490	6.95	--
04-02-83	1241	--	--	--	--	--	14.7636	14	--	500	6.65	--
03-02-83	1242	--	--	--	--	--	21.3252	14	--	550	--	--
06-08-83	1302	22.5	95	315	1	18	1.6404	26.2	6.4	6,660	5.6	--
09-20-83	1038	--	95	225	1	23	1.6404	26.5	6.3	10,640	5.3	--
09-20-83	1039	--	--	--	--	--	4.9212	26.5	6.3	10,670	4.6	--
09-20-83	1040	--	--	--	--	--	8.202	26.5	6.3	10,670	4.6	--
12-05-83	1405	--	10	135	5	--	0	--	--	--	--	--
03-07-84	1430	15	100	--	7	--	1.6404	15.5	6.2	150	6.9	--
03-07-84	1431	--	--	--	--	--	6.5616	15.5	--	155	7	0
03-07-84	1432	--	--	--	--	--	9.8424	15.5	--	169	6.95	0

Appendix VI.--Meteorological conditions and physical properties of surface-water samples at sites in the Nassau River basin, Florida--Continued

[°C, degrees Celsius; mi/hr, miles per hour; µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; ppt, parts per thousand; --, indicates no data]

Date	Time	Air temperature (°C)	Cloud cover (percent)	Wind direction (degrees from north)	Wind speed (mi/hr)	Secchi depth (inches)	Sample depth (feet)	Water temperature (°C)	pH (standard unit)	Conductance (µS/cm)	Dissolved oxygen (mg/L)	Salinity (ppt)
Nassau River at Interstate 95												
06-08-84	1250	27	20	270	2	--	1.6404	27	6.92	14,000	5.7	9.7
06-08-84	1251	--	--	--	--	--	4.9212	26.5	--	13,900	5.8	9.9
06-08-84	1252	--	--	--	--	--	8.202	26.5	--	13,900	5.7	9.9
06-08-84	1253	--	--	--	--	--	11.4828	26.5	--	14,000	5.65	10
09-05-84	1430	25	100	10	4	25	1.6404	28	6.9	16,500	4.5	11
09-05-84	1431	--	--	--	--	--	19.6848	28	--	17,000	4.35	11.5
12-04-84	1400	18	25	0	4	22	1.6404	15	6.81	5,000	6.6	4.5
12-04-84	1401	--	--	--	--	--	9.8424	15	--	5,500	6.7	4.8
03-05-85	1255	30.5	0	135	8	18	1.6404	19.3	7.2	12,200	8.5	--
03-05-85	1256	--	--	--	--	--	6.5616	19.1	7.2	12,400	8.2	--
03-05-85	1257	--	--	--	--	--	19.6848	18.8	7.1	13,500	7.9	--
05-07-85	1350	28	50	270	10	--	1.6404	23.5	--	24,000	5.6	18.5
07-08-85	1325	--	15	270	8	30	1.6404	28.7	6.7	20,850	7.2	--
09-10-85	1410	27	10	--	5	13	1.6404	27.1	5.2	200	4	0
11-04-85	1205	19	10	270	20	18	1.6404	23	6	120	--	--
11-04-85	1206	19	10	270	20	--	3.2808	23	--	120	--	--
11-04-85	1207	19	10	270	20	--	9.8424	23	--	120	--	--
11-04-85	1208	19	10	270	20	--	19.6848	23	--	120	--	--
11-04-85	1350	19	10	270	20	--	1.6404	24	--	120	--	--
11-04-85	1351	19	10	270	20	--	9.8424	24	--	120	--	--
11-04-85	1352	19	10	270	20	--	19.6848	24	--	120	--	--
12-16-85	1300	10	0	310	10	14	1.6404	12.6	6.6	120	6.4	0.1
12-16-85	1301	10	0	310	10	--	9.8424	12.3	--	120	6.2	0.1
12-16-85	1302	10	0	310	10	--	19.6848	12.3	--	120	6.2	0.1
04-23-86	1400	--	0	315	15	20	1.6404	20	6.9	7,000	6.2	4.5
06-17-86	1320	--	40	--	--	24	1.6404	30	--	20,000	5.6	10.5
06-17-86	1321	--	40	--	--	--	9.8424	--	--	20,000	--	11
06-17-86	1322	--	40	--	--	--	19.6848	--	--	20,500	--	11
10-23-86	1200	27	10	45	20	40	1.6404	19.5	7.5	18,600	6.5	--
10-23-86	1201	--	--	--	--	--	9.8424	19.4	7.3	18,900	6.3	--
10-23-86	1202	--	--	--	--	--	19.6848	17.9	7.2	19,700	6.6	--
Nassau River at US Highway 17												
12-01-82	1341	28	20	90	4	--	1.6404	21	6.9	15,000	6.4	10
03-02-83	1150	--	0	270	10	--	1.6404	14	6.85	1,450	6.8	1.5
03-02-83	1151	--	--	--	--	--	3.2808	14	--	1,500	6.8	1.5
03-02-83	1152	--	--	--	--	--	4.9212	14	--	1,500	6.9	1.5
03-02-83	1153	--	--	--	--	--	6.5616	14	--	1,400	6.9	1.5
03-02-83	1154	--	--	--	--	--	8.202	14	--	1,500	6.9	1.5
03-02-83	1155	--	--	--	--	--	9.8424	14	--	1,500	--	1.5
03-02-83	1156	--	--	--	--	--	13.1232	14	--	1,500	--	1.5
03-02-83	1425	--	--	--	--	--	19.6848	15	--			4
06-08-83	1239	22.5	95	315	1	18	1.6404	26.1	6.6	9,690	5.5	--
09-20-83	1056	--	95	225	1	30	1.6404	26.9	6.5	19,720	5.5	--
09-20-83	1057	--	--	--	--	--	4.9212	26.9	6.5	19,700	5.1	--
09-20-83	1058	--	--	--	--	--	8.202	26.9	6.5	19,800	5	--
12-05-83	1255	25	10	--	0	36	1.6404	19.5	8.2	--	7.05	8.5
12-05-83	1256	--	--	--	--	--	3.2808	18	--	--	7.2	9
12-05-83	1257	--	--	--	--	--	6.5616	18	--	--	7.8	9
12-05-83	1258	--	--	--	--	--	9.8424	18	--	--	8.2	9.5
03-07-84	1330	15	100	--	7	--	1.6404	15	6.3	241	7	0
03-07-84	1331	--	--	--	--	--	6.5616	15	--	247	6.6	0
03-07-84	1332	--	--	--	--	--	9.8424	15	--	249	5.9	0
03-07-84	1333	--	--	--	--	--	13.1232	15	--	249	5.4	0
06-08-84	1150	27	20	270	2	--	1.6404	26.5	7	22,000	5.5	16
06-08-84	1151	--	--	--	--	--	4.9212	26.5	--	2000	5.4	16
06-08-84	1152	--	--	--	--	--	8.202	26.5	--	21,500	5.4	15.5
06-08-84	1153	--	--	--	--	--	11.4828	26.5	--	21,500	5.35	15.5

Appendix VI.--Meteorological conditions and physical properties of surface-water samples at sites in the Nassau River basin, Florida--Continued

[°C, degrees Celsius; mi/hr, miles per hour; µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; ppt, parts per thousand; --, indicates no data]

Date	Time	Air temperature (°C)	Cloud cover (percent)	Wind direction (degrees from north)	Wind speed (mi/hr)	Samle depth (feet)	Water temperature (°C)	Secchi depth (inches)	pH (standard unit)	Conductance (µS/cm)	Dissolved oxygen (mg/L)	Salinity (ppt)
Nassau River at US Highway 17												
09-05-84	1300	25	100	10	4	1.6404	28	21	7	24,000	4.35	17
09-05-84	1301	--	--	--	--	4.9212	27.5	--	--	24,000	4.25	17
09-05-84	1302	--	--	--	--	9.8424	28	--	--	24,000	4.25	17
10-08-84	1515	25	40	90	4	1.6404	23	--	--	7,072	5.6	--
12-04-84	1300	18	25	0	4	1.6404	16	26	7.07	10,000	5.7	9
12-04-84	1301	--	--	--	--	9.8424	15	--	--	--	5.8	9
03-05-85	1210	30.5	0	135	8	1.6404	19.2	30	7.3	26,100	8.7	--
03-05-85	1211	--	--	--	--	6.5616	18.9	--	7.3	26,900	8.2	--
03-05-85	1212	--	--	--	--	19.6848	18.8	--	7.3	27,400	8	--
05-07-85	1310	28	50	270	10	1.6404	25	--	--	32,000	5.6	24
07-08-85	1100	--	15	270	8	1.6404	28.2	30	6.6	25,200	6.3	--
09-10-85	1350	27	10	--	5	1.6404	27.2	14	5.3	290	3.9	0
11-04-85	1050	19	10	270	20	1.6404	21	14	6.2	200	--	0
11-04-85	1051	19	10	270	20	3.2808	21	--	--	200	--	0
11-04-85	1052	19	10	270	20	6.5616	21	--	--	200	--	0
11-04-85	1053	19	10	270	20	9.8424	21	--	--	200	--	0
11-04-85	1054	19	10	270	20	13.1232	21	--	--	200	--	0
11-04-85	1055	19	10	270	20	16.404	21	--	--	200	--	0
11-04-85	1056	19	10	270	20	19.6848	21	--	--	200	--	0
11-04-85	1145	19	10	270	20	1.6404	23	--	--	195	--	--
11-04-85	1146	19	10	270	20	9.8424	23	--	--	195	--	--
11-04-85	1147	19	10	270	20	19.6848	23	--	--	200	--	--
11-04-85	1309	19	10	270	20	1.6404	25	--	--	205	--	--
11-04-85	1310	19	10	270	20	9.8424	24.5	--	--	205	--	--
11-04-85	1311	19	10	270	20	19.6848	24.5	--	--	210	--	--
11-04-85	1402	20	10	270	20	1.6404	24	--	--	230	--	--
11-04-85	1403	19	10	270	20	9.8424	24.5	--	--	235	--	--
11-04-85	1404	19	10	270	20	19.6848	24.5	--	--	235	--	--
11-04-85	1545	19	10	270	20	1.6404	22	--	--	280	--	--
11-04-85	1546	19	10	270	20	9.8424	22	--	--	280	--	--
11-04-85	1547	19	10	270	20	19.6848	22	--	--	285	--	--
12-16-85	1005	10	0	310	10	1.6404	12.4	15	6.5	210	6.9	0.1
12-16-85	1006	10	0	310	10	9.8424	13	--	--	220	6.9	0.2
12-16-85	1007	10	0	310	10	19.6848	3	--	--	220	6.9	0.2
12-16-85	1410	10	0	310	10	1.6404	13.8	13	6.8	400	7.5	0.5
12-16-85	1411	10	0	310	10	9.8424	13.8	--	--	425	7.5	0.6
12-16-85	1412	10	0	310	10	19.6848	13.8	--	--	420	7.5	0.6
01-09-86	1325	7	100	45	10	1.6404	11	--	6.9	2,850	9.05	--
02-19-86	1050	25	50	225	23	1.6404	13.9	11	6.1	179	7.1	0.1
02-19-86	1051	25	50	225	23	9.8424	13.8	--	6.1	178	7.2	0.1
02-19-86	1053	25	50	225	23	19.6848	13.8	--	6.1	178	7.2	0.1
02-19-86	1340	25	50	225	23	1.6404	14.8	15	6.6	165	7.8	0.1
02-19-86	1341	25	50	225	23	9.8424	14.7	--	6.5	165	7	0.5
02-19-86	1342	25	50	225	23	19.6848	14.6	--	6.4	165	7	0.6
03-05-86	1330	18	0	360	5	1.6404	14	--	6.5	580	7.5	--
04-23-86	950	--	0	315	15	1.6404	20	22	7	22,000	6.5	15
04-23-86	955	--	0	315	15	9.8424	20	--	--	22,000	7.2	15.5
04-23-86	1000	--	0	315	15	19.6848	20	--	--	22,000	8.2	15
04-23-86	1200	--	0	315	15	1.6404	--	--	--	22,000	--	15
04-23-86	1330	--	0	315	15	1.6404	21	22	7.2	17,500	6.25	12
04-23-86	1335	--	0	315	15	19.6848	21	--	--	17,800	6.3	12
04-23-86	1510	--	0	315	15	1.6404	20	18	--	12,000	--	8
05-05-86	1315	23	50	90	15	1.6404	23	--	7.1	23,900	6.9	--
06-17-86	1010	--	40	--	--	1.6404	29	36	6.65	31,000	4.85	18
06-17-86	1011	--	40	--	--	9.8424	--	--	--	31,000	4.9	18
06-17-86	1012	--	40	--	--	19.6848	--	--	--	31,000	--	15
06-17-86	1220	--	40	--	--	1.6404	30	24	--	26,000	5.45	14
06-17-86	1221	--	40	--	--	9.8424	--	--	--	25,000	--	14.5
06-17-86	1222	--	40	--	--	19.6848	--	--	--	18,000	--	14
06-17-86	1430	--	40	--	--	1.6404	31	--	--	25,000	--	13.9

Appendix VI.--Meteorological conditions and physical properties of surface-water samples at sites in the Nassau River basin, Florida--Continued

[°C, degrees Celsius; mi/hr, miles per hour; µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; ppt, parts per thousand; --, indicates no data]

Date	Time	Air temperature (°C)	Cloud cover (percent)	Wind direction (degrees from north)	Wind speed (mi/hr)	Secchi depth (inches)	Sample depth (feet)	Water temperature (°C)	pH (standard unit)	Conductance (µS/cm)	Dissolved oxygen (mg/L)	Salinity (ppt)
Nassau River at US Highway 17												
07-14-86	1320	33	0	270	8	--	1.6404	31	7.3	26,800	6.6	--
09-11-86	1330	29	50	135	5	--	1.6404	27.2	6.2	14,580	3.6	--
10-23-86	1010	27	10	45	20	46	1.6404	19.6	6.7	22,500	6.1	--
10-23-86	1016	--	--	--	--	--	9.8424	19.5	6.8	22,800	6.1	--
10-23-86	1017	--	--	--	--	--	19.6848	19.5	6.8	22,800	6	--
10-23-86	1335	27	10	45	20	36	1.6404	20.2	7.1	27,400	6.1	--
10-23-86	1336	--	--	--	--	--	9.8424	20.2	7.1	27,500	6.1	--
10-23-86	1337	--	--	--	--	--	19.6848	20.1	7.2	27,800	6.1	--
11-06-86	1300	25	50	45	10	--	1.6404	21.9	6.8	32,300	5.2	--
01-08-87	1230	15	20	25	10	--	1.6404	10.5	6.5	630	7.1	--
03-05-87	1200	20	40	45	15	--	1.6404	15	6.3	400	7	--
05-04-87	1330	32	30	45	10	--	1.6404	25	6.1	10,000	5.5	--
07-09-87	1300	33	80	0	5	--	1.6404	29	6	28,500	7.8	20
09-03-87	1245	29	100	--	0	--	1.6404	28	7	16,000	4.5	11
11-05-87	1155	25	30	220	5	--	1.6404	20.5	--	37,600	5.9	25
01-13-88	1420	5	100	45	15	--	1.6404	10	6	100	8.5	--
03-10-88	1255	20	80	270	20	--	1.6404	17.1	6.8	621	7.4	--
05-05-88	915	25	0	275	10	--	1.6404	21	6.4	6,980	6.7	3.5
07-05-88	920	35	70	90	25	--	1.6404	27.9	6.6	32,300	4.3	--
09-06-88	940	28	100	200	15	--	1.6404	27.2	6.3	7,260	4.4	--
10-31-88	915	25	100	315	5	--	1.6404	20.3	6.4	14,900	5.7	8.4
Nassau River 1.7 miles east of U.S. Hwy 17												
09-20-83	1112	--	95	225	1	--	1.6404	--	--	31,350	--	--
09-20-83	1113	--	--	--	--	--	4.9212	--	--	31,800	--	--
09-20-83	1114	--	--	--	--	--	8.202	--	--	31,900	--	--
09-20-83	1115	--	--	--	--	--	11.4828	--	--	32,000	--	--
12-05-83	1011	25	10	--	0	--	1.6404	18	--	--	--	12
12-05-83	1012	--	--	--	--	--	3.2808	18	--	--	--	13
12-05-83	1013	--	--	--	--	--	6.5616	18	--	--	--	13
12-05-83	1014	--	--	--	--	--	9.8424	18	--	--	--	13
12-05-83	1238	--	--	--	--	--	3.2808	18.5	--	--	--	16
12-05-83	1239	--	--	--	--	--	3.2808	18.5	--	--	--	16
12-05-83	1240	--	--	--	--	--	3.2808	19	--	--	--	15.5
12-04-84	1238	18	25	0	4	--	1.6404	16	--	20,000	5.8	18
12-04-84	1239	18	25	0	4	--	1.6404	16	--	19,900	5.85	17
12-04-84	1240	18	25	0	4	--	1.6404	16	--	20,000	5.85	17.5
03-05-85	1150	30.5	0	135	8	--	1.6404	19.4	7.5	36,700	9.2	--
05-07-85	1245	28	50	270	10	--	1.6404	24	--	36,500	5.3	29
07-08-85	1305		15	270	8	30	1.6404	28.8	6.9	33,700	6.5	--
09-10-85	1330	27	10	--	5	18	1.6404	27.3	5.3	340	4.4	0
11-04-85	1125	19	10	270	20	14	1.6404	21	6.1	340	--	0
11-04-85	1126	19	10	270	20	--	3.2808	21.5	--	340	--	0
11-04-85	1127	19	10	270	20	--	6.5616	22	--	345	--	0
11-04-85	1128	19	10	270	20	--	9.8424	22	--	345	--	0
11-04-85	1323	19	10	270	20	--	1.6404	24.5	--	420	--	--
11-04-85	1324	19	10	270	20	--	9.8424	24.5	--	420	--	--
11-04-85	1325	19	10	270	20	--	19.6848	24	--	420	--	--
11-04-85	1445	19	10	270	20	--	1.6404	24	--	600	--	0.4
11-04-85	1446	19	10	270	20	--	9.8424	24	--	600	--	0.4
11-04-85	1447	19	10	270	20	--	19.6848	24	--	600	--	0.4
12-16-85	1030	10	0	310	10	15	1.6404	13.6	6.7	450	7.5	0.6
12-16-85	1031	10	0	310	10	--	9.8424	13.6	--	450	7.4	0.6
12-16-85	1032	10	0	310	10	--	19.6848	13.6	--	460	7.4	0.7
12-16-85	1350	10	0	310	10	--	1.6404	13.7	7.1	1,350	7.8	1.1
12-16-85	1351	10	0	310	10	--	9.8424	13.7	--	1,850	7.8	1.6
12-16-85	1352	10	0	310	10	--	19.6848	13.7	--	1,900	7.8	1.6
04-23-86	1135	--	0	315	15	30	1.6404	21	7.5	30,000	6.9	21

Appendix VI.--Meteorological conditions and physical properties of surface-water samples at sites in the Nassau River basin, Florida--Continued

[°C, degrees Celsius; mi/hr, miles per hour; µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; ppt, parts per thousand; --, indicates no data]

Date	Time	Air temperature (°C)	Cloud cover (percent)	Wind direction (degrees from north)	Wind speed (mi/hr)	Secchi depth (inches)	Sample depth (feet)	Water temperature (°C)	pH (standard unit)	Conductance (µS/cm)	Dissolved oxygen (mg/L)	Salinity (ppt)
Nassau River 1.75 miles downstream from US Highway 17												
04-23-86	1140	--	0	315	15	--	9.8424	21	--	30,000	7.7	21
04-23-86	1145	--	0	315	15	--	19.6848	20.5	--	30,500	6.5	21
04-23-86	1500	--	0	315	15	22	1.6404	20.5	7.1	22,500	6.4	15
06-17-86	1025	--	40	--	--	36	1.6404	30	--	36,000	7.3	20.5
06-17-86	1026	--	40	--	--	--	9.8424	--	--	38,500	8.25	22
06-17-86	1027	--	40	--	--	--	19.6848	--	--	38,500	--	22
06-17-86	1415	--	40	--	--	38	1.6404	31	--	32,000	--	18
10-23-86	1040	27	10	45	20	46	1.6404	20.1	7	29,600	6.3	--
10-23-86	1041	--	--	--	--	--	9.8424	19.8	7	30,400	6	--
10-23-86	1042	--	--	--	--	--	19.6848	19.8	7	30,400	5.9	--
Lofton Creek upstream of Nassau River												
12-01-82	1422	28	20	90	4	--	1.6404	21.5	7.1	25,000	6.2	16.5
03-02-83	1104	--	0	270	10	--	1.6404	14	7.3	10,000	6.6	12
03-02-83	1105	--	--	--	--	--	3.2808	14	--	10,000	6.6	12
03-02-83	1106	--	--	--	--	--	4.9212	14	--	--	6.65	12.5
03-02-83	1107	--	--	--	--	--	6.5616	14	--	--	6.65	12.5
03-02-83	1108	--	--	--	--	--	8.202	14	--	--	6.65	12.5
03-02-83	1109	--	--	--	--	--	9.8424	14	--	--	6.6	12.5
03-02-83	1110	--	--	--	--	--	11.4828	14	--	--	6.6	13
03-02-83	1111	--	--	--	--	--	13.1232	14	--	--	6.6	13
03-02-83	1112	--	--	--	--	--	14.7636	14	--	--	6.7	13
06-08-83	1139	22.5	95	--	1	18	1.6404	26.1	6.7	31,700	5.4	--
09-20-83	1135	--	95	225	1	--	1.6404	27.1	6.8	38,800	5.1	--
09-20-83	1136	--	--	--	--	--	4.9212	27.1	6.8	38,800	5	--
12-05-83	1045	25	10	--	0	--	0	--	--	--	--	--
03-07-84	1245	18	90	--	5	--	1.6404	16	6.8	3,500	7.4	--
03-07-84	1246	--	--	--	--	--	6.5616	16	--	3,500	8.55	4
03-07-84	1247	--	--	--	--	--	9.8424	16	--	3,700	8.1	4.2
06-08-84	1115	27	20	270	2	--	1.6404	27	7.2	44,000	4.15	34
09-05-84	1230	25	100	10	4	29	1.6404	28	7.3	45,000	4.2	33.5
12-04-84	1210	18	25	0	4	36	1.6404	16	7.44	27,000	5.6	24
03-05-85	1130	30.5	0	135	8	36	1.6404	19.4	7.5	44,100	8.9	--
03-05-85	1131	--	--	--	--	--	3.2808	19.3	7.5	43,900	8.6	--
05-07-85	1200	28	50	270	10	--	1.6404	25	7.2	40,500	5	32
07-08-85	1240	--	15	270	8	18	1.6404	28.5	6.8	15,000	6.4	--
09-10-85	1250	27	10	--	5	12	1.6404	28.3	5.8	1,220	4.9	0.3
02-19-86	1220	25	50	225	23	--	1.6404	15.2	--	240	--	0.2
02-19-86	1221	25	50	225	23	--	9.8424	14.6	--	240	--	0.2
02-19-86	1222	25	50	225	23	--	19.6848	14.4	--	240	--	0.2
02-19-86	1420	25	50	225	23	--	0	15	--	--	--	0.2
Edwards Creek upstream of Nassau River												
03-07-84	1200	18	90	--	5	--	1.6404	17	7.15	13,200	8.5	--
03-07-84	1201	--	--	--	--	--	3.2808	17	--	--	8.5	11
03-07-84	1202	--	--	--	--	--	6.5616	17	--	--	9.2	11.5
03-07-84	1203	--	--	--	--	--	9.8424	17	--	--	9.5	11.5
03-07-84	1225	--	--	--	--	--	1.6404	16	--	--	8.6	16
03-07-84	1226	--	--	--	--	--	1.6404	16	--	--	7.9	15
03-07-84	1227	--	--	--	--	--	1.6404	16	--	--	8.1	16
06-08-84	1045	27	20	270	2	--	1.6404	27	7.3	--	4	38
12-04-84	1150	18	25	0	4	48	1.6404	17	7.54	34,500	5.3	31
03-05-85	1105	30.5	0	135	8	26	1.6404	19.6	7.4	44,700	8.7	
05-07-85	1140	28	50	270	10	--	1.6404	24	7.3	44,000	4.8	35
07-08-85	1225	--	15	270	8	30	1.6404	28.5	7.1	42,600	7	--
09-10-85	1225	27	10	--	5	18	1.6404	29.5	6.6	6,200	5	3.5
06-17-86	1145	--	40	--	--	38	1.6404	30	--	48,000	4.65	29

Appendix VI.--Meteorological conditions and physical properties of surface-water samples at sites in the Nassau River basin, Florida--Continued

[°C, degrees Celsius; mi/hr, miles per hour; µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; ppt, parts per thousand; --, indicates no data]

Date	Time	Sample depth (feet)	Water temperature (°C)	Air temperature (°C)	Cloud cover (percent)	Wind direction (degrees from north)	Wind speed (mi/hr)	Secchi depth (inches)	pH (standard unit)	Conductance (µS/cm)	Dissolved oxygen (mg/L)	Salinity (ppt)
Nassau River near Nassauville												
03-02-83	1015	1.6404	13	--	0	270	10	--	8	--	8.05	37
03-02-83	1016	3.2808	13	--	--	--	--	--	--	--	8	37
03-02-83	1017	4.9212	13	--	--	--	--	--	--	--	8	37
06-08-83	1050	1.6404	26.2	22.5	95	315	1	18	7	44,400	6	--
09-20-83	1245	1.6404	27.4	--	95	225	1	48	7.1	43,900	6.4	--
09-20-83	1246	4.9212	27.4	--	--	--	--	--	7.1	43,900	6	--
12-05-83	1147	0	--	25	10	--	0	--	--	--	--	--
12-05-83	1148	3.2808	19.5	--	--	--	--	--	--	--	6.2	24.5
12-05-83	1149	6.5616	19	--	--	--	--	--	--	--	6.6	25.5
03-07-84	1115	1.6404	16	18	90	--	5	--	7.4	--	7.5	--
06-08-84	1005	1.6404	27	27	20	270	2	--	7.7	--	4.8	--
09-05-84	1130	1.6404	29	25	100	10	4	31	7.7	--	4.7	--
09-05-84	1131	4.9212	28	--	--	--	--	--	--	--	4.6	40
09-05-84	1132	9.8424	28	--	--	--	--	--	--	--	4.6	40
09-05-84	1133	19.6848	28	--	--	--	--	--	--	--	4.6	40
12-04-84	1120	1.6404	17	18	25	0	4	36	7.9	40,000	5.9	37
03-05-85	1030	1.6404	18	30.5	0	135	8	--	7.5	49,000	9.5	--
04-23-85	1100	1.6404	20	--	0	315	15	32	7.8	42,000	7.5	30
05-07-85	1105	1.6404	24	28	50	270	10	--	7.8	44,000	5.7	35
07-08-85	1155	1.6404	28.5	--	15	270	8	30	7.3	51,700	7.8	--
09-10-85	1140	1.6404	29	27	10	--	5	18	7.1	12,800	5.1	7.5
12-16-85	1115	1.6404	14.1	10	0	310	10	20	8.3	34,500	9.1	27
02-19-86	1130	1.6404	15.9	25	50	225	23	25	6.9	15,750	8.2	9.5
02-19-86	1131	19.6848	15.5	25	50	225	23	--	7	20,600	8.2	12
02-19-86	1144	1.6404	16.5	25	50	225	23	--	--	--	--	16.5
02-19-86	1145	19.6848	17	25	50	225	23	--	--	--	--	16
02-19-86	1146	9.8424	17	25	50	225	23	--	--	--	--	15.5
06-17-86	1115	1.6404	30	--	40	--	--	36	--	>50,000	5.0	31
06-17-86	1116	9.8424	--	--	40	--	--	--	--	>50,000	5.1	31
06-17-86	1117	19.6848	--	--	40	--	--	--	--	>50,000	--	30
10-23-86	1110	1.6404	20.7	27	10	45	20	58	7.7	43,300	7.1	--
10-23-86	1111	9.8424	20.6	--	--	--	--	--	7.7	43,300	7.1	--
10-23-86	1112	19.6848	20.6	--	--	--	--	--	7.7	43,400	7.1	--

Appendix VII.--Mineral and biological characteristics of surface-water samples at sites in the Nassau River basin, Florida

[Sampling depth for all sites is 1.6 feet below water surface; NTU, nephelometric turbidity units; mg/L, milligrams per liter; Pt-Co, platinum-cobalt units; µg/L, micrograms per liter; --, indicates no data.]

Date	Time	Turbidity (NTU)	Alkalinity (mg/L)	Hardness (mg/L)	Color (Pt-CO)	Sulfate (mg/L)	Chloride (mg/L)	Chlorophyll-a (µg/L)	Biochemical oxygen demand (mg/L)	Dissolved solids (mg/L)	Suspended solids (mg/L)
Alligator Creek at A1A South											
12-01-82	915	3	74	108	225	13	32	2.2	3.1	247	4.2
03-03-83	915	6.4	35	54	250	3.7	25	6.8	2.8	165	7.7
06-07-83	957	5.3	45	182	140	28	17	4.4	5	210	11
09-21-83	920	2.3	85	90	225	14	16	0.93	2.4	348	3.6
12-06-83	940	2.5	69	102	300	14	31	0.91	--	246	6
03-06-84	1140	25.5	46	68	200	6	19	3.26	3.7	165	40
06-07-84	900	3.7	74	--	240	25	26	5.51	4.3	245	14
09-04-84	1315	10.8	--	--	150	51	55	2.01	0.2	417	<1
12-05-84	1520	1.4	55	96	140	18	31	--	4.7	229	1
03-05-85	1530	3.4	67	100	225	17	32	7.11	5.6	234	6.5
05-08-85	1015	5.2	76	124	175	41	33	3.71	4.8	329	11
07-09-85	1035	2.8	40	110	350	61	33	--	0.8	446	6
09-09-85	1030	4	29	56	700	7	10	1.19	3.2	214	8.5
11-04-85	1210	11	21	--	500	8	11	0.68	2.9	125	8
01-09-86	1420	6.9	30	--	450	9	15	0.66	1.3	125	3
03-05-86	1430	20	29	--	450	16	13	6.68	5	138	22
05-05-86	1410	5.6	119	--	75	11	37	62.68	7.4	373	14
07-14-86	1415	2.4	121	--	50	75	39	9.15	5.6	325	3
09-11-86	1435	9.1	65	--	500	20	30	0.35	3.1	183	2
11-06-86	1350	3.8	71	--	200	28	32	1.43	4.5	249	4
01-08-87	1340	6.7	25	--	450	17	16	0.52	0.7	136	4
03-05-87	1300	10	29	--	500	8	18	1.87	1.9	122	5
05-04-87	1420	11	119	--	70	69	44	42.06	7.4	334	6
07-09-87	1350	--	39	--	700	33	19	1.66	3.8	220	10
09-03-87	1355	5.4	31	--	600	22	17	0.52	2.6	160	4
Mills Creek at A1A South											
12-01-82	1002	1	4	34	200	<1	29.5	0.8	0.8	137	1.8
03-03-83	941	4.5	9.4	22	225	1.3	20	2.3	1.8	108	3.4
06-07-83	1035	1	9.1	120	140	13	54	3.4	1	198	4.9
09-21-83	945	0.3	12	46	250	5	35	4.99	1.5	235	0.7
12-06-83	1012	1.4	16	40	200	13	27	0.35	--	153	4
03-06-84	1230	3.5	12	44	180	1	14	0.58	1	99	2
06-07-84	945	1.5	16	--	175	20	17	3.12	1.7	156	3
09-04-84	1430	0.7	--	--	175	13	46	1.5	4.4	210	<1
12-05-84	1450	0.4	8	52	120	52	81	0.4	1.2	254	<0.5
03-05-85	1505	1	11	42	175	18	40	1.39	1.3	166	1
05-08-85	1400	0.7	14	56	350	15	43	2.98	1.2	192	2.5
07-09-85	1130	1	11	40	400	13	21	--	1.7	182	2
09-09-85	1100	2.1	13	20	500	2	8	0.31	1.9	135	3.5
11-04-85	1130	5	10	--	500	6	10	0.5	2.2	96	2
01-09-86	1355	10	18	--	400	7	8	0.44	0.7	101	0.5
03-05-86	1400	8.2	20	--	150	8	11	0.89	2	103	2
05-05-86	1350	1.9	20	--	225	9	49	1.41	0.4	211	2
07-14-86	1355	1.4	11	--	75	37	378	3.54	0.2	662	2
09-11-86	1410	5.1	22	--	800	20	32	0.59	1.6	179	56
11-06-86	1330	1.4	9	--	175	82	794	0.64	2.9	1,420	5
01-08-87	1320	12	12	--	450	11	13	0.21	0.7	91	2
03-05-87	1250	9.4	13	--	450	4	13	1.55	0.9	72	3
05-04-87	1355	2	11	--	275	19	58	2.22	2.1	184	2
07-09-87	1335	--	13	--	100	64	415	3.54	1.6	762	10
09-03-87	1320	2	12	--	600	26	52	0.92	1.6	202	<1

Appendix VII.--Mineral and biological haractersitics of surface-water samples at sites in the Nassau River basin, Florida--Continued

[Sampling depth for all sites is 1.6 feet below water surface; NTU, nephelometric turbidity units; mg/L, milligrams per liter; Pt-Co, platinum-cobalt units; µg/L, micrograms per liter; --, indicates no data.]

Date	Time	Turbidity (NTU)	Alkalinity (mg/L)	Hardness (mg/L)	Color (Pt-CO)	Sulfate (mg/L)	Chloride (mg/L)	Chlorophyll-a (µg/L)	Biochemical oxygen demand (mg/L)	Dissolved solids (mg/L)	Suspended solids (mg/L)
Alligator and Mills Creeks, Police Club Road											
12-01-82	1054	1.8	12	48	350	1.4	110	0.8	1.2	281	5.4
03-03-83	1016	5.5	83	34	225	1.9	35	1.9	2.2	160	6.7
06-07-83	1119	3.7	17	118	175	33	200	15.4	1.2	677	11
09-21-83	1023	1.5	24	106	250	24	240	1.92	1.2	604	4.5
12-06-83	1045	2.5	16	52	200	20	72	0.89	--	301	8
03-07-84	1550	5.9	15	48	200	5	28	0.7	1.8	144	7
06-07-84	1015	4.5	74	--	240	66	430	7.18	1.4	911	12
09-04-84	1530	2.3	--	--	175	13	379	5.91	5.4	875	3
12-05-84	1410	1.7	18	188	180	96	550	--	1.3	1,070	5
03-05-85	1350	7.9	24	130	200	71	349	6.51	1.8	737	20
05-08-85	1320	4.4	23	39	125	147	1,020	7.69	1	2,020	11
07-09-85	1205	4.4	15	164	250	61	418	--	1.1	808	7
09-09-85	1135	1.8	42	20	700	1	13	0.64	2.3	157	5.5
Thomas Creek upstream of Nassau River											
12-01-82	1128	3.3	18	144	300	30	375	1.2	1.8	853	13
03-02-83	1300	5.9	10	40	300	14	90	1.4	1.6	241	11.3
06-08-83	1317	7.4	20	400	200	160	1,050	7.5	1.4	2,420	32
09-20-83	1017	6.5	41	740	225	270	1,500	4.64	0.9	4,200	21
12-05-83	1428	5.2	26	282	200	100	800	3.67	--	1,539	12
03-07-84	1500	11.6	11	52	200	5	35	0.47	1.9	159	12
06-08-84	1315	6.1	33	--	140	343	3,320	--	1.2	5,610	31
09-05-84	1400	9.4	31	--	100	474	2,924	16.82	7.2	6,810	36
12-04-84	1430	1.8	18	368	200	92	1,010	1.35	0.6	2,080	8
03-05-85	1310	9.5	35	820	150	576	2,620	32.55	2.1	4,990	53
05-07-85	1410	4.9	46	2,460	80	817	6,920	13.78	1.2	14,200	23
07-08-85	1335	8.6	--	1,300	75	466	4,290	--	1.7	7,200	37
09-10-85	1430	1.9	10	33	1,000	5	44	0.75	2	235	8
11-04-85	1220	5.8	--	--	375	6	21	0.47	2.2	--	6
10-23-86	1210	6.4	--	--	100	--	--	--	--	--	--
Nassau River at Interstate 95											
12-01-82	1225	4.2	32	750	250	250	1,950	2.2	1.9	3,640	14
03-02-83	1237	7.6	21	64	300	27	180	2.6	1.6	388	16.8
06-08-83	1302	8.8	54	650	160	260	1,080	9.5	1.2	3,694	26
09-20-83	1038	7.1	45	1,000	225	350	3,800	4.38	0.8	6,400	28
12-05-83	1405	4.1	37	374	200	130	1,000	4.14	--	2,103	11
03-07-84	1430	11.6	11	56	200	8	47	0.93	2	169	14
06-08-84	1250	6.9	37		140	428	3,920		1.4	7,690	31
09-05-84	1430	8.5	65		100	632	4,593	15.39	7.1	8,870	31
12-04-84	1400	1.8	3	620	180	210	1,300	1.05	1	3,490	12
03-05-85	1255	15	42	1,400	125	753	3,810	25.93	3	6,960	43
05-07-85	1350	4.5	55	2,820	70	1,120	8,080	11.34	1.4	16,200	22
07-08-85	1325	8	--	2,200	70	872	6,570	--	1.5	11,770	32
09-10-85	1410	2.6	13	33	900	1	44	0.64	2.3	228	12
11-04-85	1205	6.7	--	--	375	7	26	0.68	2.3	--	7
10-23-86	1200	5.9	--	--	100	--	--	--	--	--	--

Appendix VII.--Mineral and biological characteristics of surface-water samples at sites in the Nassau River basin, Florida--Continued

[Sampling depth for all sites is 1.6 feet below water surface; NTU, nephelometric turbidity units; mg/L, milligrams per liter; Pt-Co, platinum-cobalt units; µg/L, micrograms per liter; --, indicates no data.]

Date	Time	Turbidity (NTU)	Alkalinity (mg/L)	Hardness (mg/L)	Color (Pt-CO)	Sulfate (mg/L)	Chloride (mg/L)	Chlorophyll-a (µg/L)	Biochemical oxygen demand (mg/L)	Dissolved solids (mg/L)	Suspended solids (mg/L)
Nassau River at US Highway 17											
12-01-82	1341	5.5	54	1,950	175	680	5,500	3.1	1.7	9,820	22
03-02-83	1150	9.8	14	160	225	80	540	3	2.4	1,060	20
06-08-83	1239	11	34	1,000	140	300	980	11.1	1	5,518	40
09-20-83	1056	4.7	73	2,310	150	1,100	5,900	6.93	1	14,600	22
12-05-83	1255	5.9	77	--	125	--	--	7.19	--	--	21
03-07-84	1330	16	13	56	200	13	78	2.1	2	245	23
06-08-84	1150	6.6	--	--	120	734	--	--	1.2	--	36
09-05-84	1300	11.6	48		90	947	--	15.6	6.8	16,300	43
10-08-84	1515	5.7	19	584	140	192	1,740	6.82	1	3,640	30
12-04-84	1300	2.5	34	1,300	140	450	3,780	2.65	1	7,450	17
03-05-85	1210	4.5	64	3,000	70	1,350	8,310	12.47	3.2	16,200	34
05-07-85	1310	6.7	73	4,060	60	1,700	10,300	12.62	1.8	23,000	34
07-08-85	1100	6.7	--	2,800	70	--	--	--	1.3	--	35
09-10-85	1350	2.6	13	40	700	7	66	0.87	2	267	9
11-04-85	1050	8.3	--	--	375	9	48	1.1	2.4	--	11
01-09-86	1325	22	28	--	350	107	1,110	4	1	1,980	29
03-05-86	1330	16	21	--	350	28	102	2.32	1.4	297	10
05-05-86	1315	8.9	54	--	125	32	7,610	6.63	1	14,310	23
07-14-86	1320	11	55	--	100	1,250	9,840	9.77	0.9	16,540	31
09-11-86	1330	9.8	34	--	150	552	5,540	3.81	0.5	9,540	23
10-23-86	1010	6.2	--	--	70	--	--	--	--	--	--
10-23-86	1335	11	--	--	70	--	--	--	--	--	--
11-06-86	1300	11	86	--	75	1,700	13,430	4.7	1	23,870	33
01-08-87	1230	13	17	--	450	43	149	0.77	0.9	370	5
03-05-87	1200	16	14	--	400	24	91	1.87	1.2	242	15
05-04-87	1330	15	33	--	350	468	2,990	5.48	2.3	5,060	25
07-09-87	1300	--	71	--	70	1,700	10,490	14.56	0.8	18,925	36
09-03-87	1245	21	63	--	175	660	4,823	2.72	2	8,980	49
11-05-87	1155	9.7	95	--	75	1,732	4,250	3.42	1	24,791	28
01-13-88	1420	11	57	--	125	917	6,312	--	1.5	11,160	25
03-10-88	1255	15.9	20	--	450	35	--	2.12	1.3	30	19
05-05-88	915	13	33	--	200	301	2,172	5.93	0.9	3,711	19
07-05-88	920	12	74	--	120	1,462	20,107	6.71	1.5	21,144	50
09-06-88	940	16	33	--	--	329	2,350	12.02	1.2	3,957	34
10-31-88	915	10	69	--	400	675	--	2.44	1.2	8,191	16
Nassau River 1.75 miles downstream from US Highway 17											
03-05-85	1150	5.2	83	4,360	55	1,840	13,200	8.06	2.3	24,500	38
05-07-85	1245	4.5	87	5,040	50	1,770	14,470	11.66	1.7	25,300	31
07-08-85	1305	7.0	--	3,880	60	1,640	10,200	--	1.5	20,300	44
09-10-85	1339	2.8	15	47	500	8	78	0.87	1.9	291	10
11-04-85	1125	12	--	--	375	16	83	1.59	2.5	--	14
10-23-86	1040	5.6	--	--	60	--	--	--	--	--	--
Lofton Creek upstream of Nassau River											
12-01-82	1422	8.8	74	3,250	125	1,350	9,500	4	1.6	16,200	3.9
03-02-83	1104	7.4	41	1,300	180	640	4,500	3.6	2.3	8,290	26.2
06-08-83	1139	13.6	85	--	60	1,600	--	11.4	1.2	--	65
09-20-83	1135	4.7	100	--	70	2,100	12,000	5.12	1	--	28
12-05-83	1045	5.5	106	--	70	--	--	5.3	--	--	24
03-07-84	1245	28	23	--	200	--	--	4.72	1.6	--	71
06-08-84	1115	7	--	--	70	--	--	--	1.3	--	45
09-05-84	1230	8.8	--	--	60	1,890	--	12.28	6.2	--	52
12-04-84	1210	1.6	68	3,592	80	2,080	--	4.41	0.7	--	28
03-05-85	1130	7.8	--	--	40	2,640	15,200	9.03	3.6	29,800	44
05-07-85	1200	8.9	92	5,440	50	2,480	15,380	11.06	1.2	--	47
07-08-85	1240	8.8	--	1,400	175	--	--	--	1.5	--	42
09-10-85	1250	5.5	15	113	600	24	302	2.63	2.2	783	30

Appendix VII.--Mineral and biological characteristics of surface-water samples at sites in the Nassau River basin, Florida--Continued

[Sampling depth for all sites is 1.6 feet below water surface; NTU, nephelometric turbidity units; mg/L, milligrams per liter; Pt-Co, platinum-cobalt units; µg/L, micrograms per liter; --, indicates no data.]

Date	Time	Turbidity (NTU)	Alkalinity (mg/L)	Hardness (mg/L)	Color (Pt-CO)	Sulfate (mg/L)	Chloride (mg/L)	Chlorophyll-a (µg/L)	Biochemical oxygen demand (mg/L)	Dissolved solids (mg/L)	Suspended solids (mg/L)
Edwards Creek upstream of Nassau River											
03-07-84	1200	9.4	--	--	120	--	--	4.11	1.4	--	33
06-08-84	1045	6.6	--	--	30	2,510	--	--	2.4	--	42
12-04-84	1150	2.2	82	4,532	45	1,500	--	5.2	1.2	--	24
03-05-85	1105	3.8	--	--	30	2,270	15,200	9.57	3	29,200	79
05-07-85	1140	7.5	100	5,980	30	2,690	16,480	9.14	1.7	--	35
07-08-85	1225	5	--	--	50	--	--	--	2.1	--	55
09-10-85	1225	4.6	33	--	350	220	1,760	5.65	1.9	3,850	18
Nassau River near Nassauville											
06-08-83	1050	19	131	--	35	2,300	--	10.9	0.9	--	10
09-20-83	1245	7.5	110	--	30	2,400	15,000	12.87	1.4	--	44
12-05-83	1147	4.1	123	--	25	--	--	6.56	--	--	33
03-07-84	1115	6.6	--	--	70	--	--	3.13	1.1	--	2.7
06-08-84	1005	15	--	--	30	--	--	--	2	--	53
09-05-84	1130	9.6	--	--	20	--	--	10.81	6.2	39,400	60
12-04-84	1120	2.2	--	--	20	--	--	9.86	1.4	--	37
03-05-85	1030	2.5	--	--	15	2,920	--	7.21	3	--	47
05-07-85	1105	9.9	108	5,960	15	2,760	17,490	9.18	1.2	--	50
07-08-85	1155	8	--	--	20	--	--	--	1.5	--	75
09-10-85	1140	5.3	29	--	450	542	3,960	4.97	2		21
10-23-86	1110	13	--	--	20	--	--	--	--	--	--

Appendix VIII.--Nutrient and metal concentrations in surface-water samples at sites in the Nassau River basin, Florida

[Sampling depth for all sites is 1.6 feet below water surface; mg/L, milligrams per liter; mg/L, micrograms per liter; --, indicates no data.]

Date	Time	Ortho-phos-phate (mg/L)	Total phos-phate (mg/L)	Total Kjeldahl nitro-gen (mg/L)	Am-monia (mg/L)	Nitrite plus nitrate (mg/L)	Po-tas-sium (mg/L)	Mag-ne-sium (mg/L)	Iron (mg/L)	Cal-cium (mg/L)	So-dium (mg/L)
Alligator Creek at AIA South											
12-01-82	915	2.73	2.84	--	--	0.369	--	--	--	--	--
03-03-83	915	1.07	1.26	--	--	0.27	--	--	--	--	--
06-07-83	957	1.17	1.36	--	--	1.69	--	--	--	--	--
09-21-83	920	3.27	3.43	--	--	1.76	--	--	--	--	--
12-06-83	940	2.81	3.03	--	--	0.18	8.8	7.7	679	13	13
03-06-84	1140	1.25	1.45	2.4	0.278	0.35	5.8	7.2	404	12	9
06-07-84	900	2.27	2.6	5.06	1.14	0.117	--	--	--	--	--
09-04-84	1315	3.47	3.81	8.24	5.85	<0.005	8.8	52	235	49	27
12-05-84	1520	2.41	1.82	1.87	0.68	1.75	8.4	8.6	409	23	13
03-05-85	1530	2.79	3.35	2.14	0.518	1.33	--	--	--	--	--
05-08-85	1015	1.39	--	2.09	0.613	1.37	10	13	249	16	17
07-09-85	1035	1.5	1.6	1.79	0.059	0.404	--				
09-09-85	1030	1.83	0.934	1.91	0.067	0.249	5	4.1	1,455	11	7
11-04-85	1210	0.927	0.994	1.48	0.031	0.138	--	--	--	--	--
01-09-86	1420	0.779	0.833	1.03	0.039	0.445	--	--	--	--	--
03-05-86	1430	1.25	1.38	2.32	0.873	0.914	--	--	--	--	--
05-05-86	1410	4.32	3.48	2.92	0.745	7.06	--	--	--	--	--
07-14-86	1415	3.33	5.09	2.08	0.732	4.42	--	--	--	--	--
09-11-86	1435	2.28	2.31	1.93	0.349	1.96	--	--	--	--	--
11-06-86	1350	4.36	3.79	2.91	0.215	6.76	--	--	--	--	--
01-08-87	1340	0.821	0.791	1.37	0.033	0.55	--	--	--	--	--
03-05-87	1300	1.206	1.19	1.35	0.039	0.438	--	--	--	--	--
05-04-87	1420	3.785	3.99	6.09	2.3	4.087	--	--	--	--	--
07-09-87	1350	1.48	0.502	2.25	0.705	0.527	9.3	5.2	613	15	11
09-03-87	1355	1.168	1.135	1.96	0.418	0.485	--	--	--	--	--
Mills Creek at AIA South											
12-01-82	1002	0.017	0.072	--	--	0.017	--	--	--	--	--
03-03-83	941	0.028	0.073	--	--	0.006	--	--	--	--	--
06-07-83	1035	0.02	0.048	--	--	0.022	--	--	--	--	--
09-21-83	945	0.021	0.059	--	--	0.014	--	--	--	--	--
12-06-83	1012	0.016	0.05	--	--	0.008	1.5	5.4	390	6.6	11
03-06-84	1230	0.065	0.093	1.10	<0.005	0.009	--	--	--	--	--
06-07-84	945	0.023	0.065	0.86	0.039	0.03	--	--	--	--	--
09-04-84	1430	0.018	0.046	1.29	0.025	<0.005	1.2	5.3	450	9.5	22
12-05-84	1450	0.011	0.048	0.66	0.02	0.008	2.9	5.6	404	7.9	44
03-05-85	1505	0.014	0.115	0.91	<0.005	0.021	--	--	--	--	--
05-08-85	1400	0.025	--	1.05	0.035	0.013	1.5	5.2	485	6.7	22
07-09-85	1130	0.047	0.09	1.42	0.031	0.02	--	--	--	--	--
09-09-85	1100	0.199	0.285	1.01	0.024	0.009	1.4	1.9	1,427	4.7	2.8
11-04-85	1130	0.186	0.226	0.97	0.024	0.021	--	--	--	--	--
01-09-86	1355	0.104	0.113	0.66	0.028	0.019	--	--	--	--	--
03-05-86	1400	0.076	0.099	0.64	0.04	0.042	--	--	--	--	--
05-05-86	1350	0.057	0.076	0.75	0.028	0.029	--	--	--	--	--
07-14-86	1355	0.026	0.03	0.788	0.022	0.037	--	--	--	--	--
09-11-86	1410	0.061	0.111	1.67	0.024	0.008	1.8	4.2	1,850	9.3	24
11-06-86	1330	0.023	0.038	0.821	<0.005	0.034	--	--	--	--	--
01-08-87	1320	0.099	0.107	0.848	0.015	0.063	--	--	--	--	--
03-05-87	1250	0.125	0.153	0.83	<0.005	<0.005	--	--	--	--	--
05-04-87	1355	0.05	0.077	1.05	0.022	0.023	--	--	--	--	--
07-09-87	1335	0.02	0.048	0.86	0.026	0.032	7.1	23	109	36	213
09-03-87	1320	0.03	0.041	1.16	0.008	0.008	--	--	--	--	--

Appendix VIII.--Nutrient and metal concentrations in surface-water samples at sites in the Nassau River basin, Florida--Continued

[Sampling depth for all sites is 1.6 feet below water surface; mg/L, milligrams per liter; mg/L, micrograms per liter; --, indicates no data.]

Date	Time	Ortho-phos-phate (mg/L)	Total phos-phate (mg/L)	Total Kjeldahl nitro-gen (mg/L)	Am-monia (mg/L)	Nitrite plus nitrate (mg/L)	Po-tas-sium (mg/L)	Mag-ne-sium (mg/L)	Iron (mg/L)	Cal-cium (mg/L)	So-dium (mg/L)
Alligator and Mills Creeks, Police Club Road											
12-01-82	1054	0.126	0.19	--	--	0.032	--	--	--	--	--
03-03-83	1016	0.174	0.274	--	--	0.053	--	--	--	--	--
06-07-83	1119	0.118	0.15	--	--	0.095	--	--	--	--	--
09-21-83	1023	0.106	0.147	--	--	0.033	--	--	--	--	--
12-06-83	1045	0.167	0.225	--	--	0.039	3.6	7.5	393	7.8	38
03-07-84	1550	0.207	0.248	1.75	0.056	0.106	1.9	3.6	323	5	13
06-07-84	1015	0.187	0.227	1.08	0.05	0.15	--	--	--	--	--
09-04-84	1530	0.103	0.143	1.13	0.018	0.024	13.2	24	391	29.2	177
12-05-84	1410	0.124	0.175	0.99	0.051	0.046	11	28	672	20	256
03-05-85	1350	0.201	0.304	1.1	0.034	0.175	7.8	18	236	8.9	95
05-08-85	1320	0.136		0.87	0.042	0.043	19	60	154	23	402
07-09-85	1205	0.103	0.148	1.04	0.034	0.041	--	--	--	--	--
09-09-85	1135	0.328	0.27	1.18	0.049	0.013	2	2.4	1,417	5.2	7.2
Thomas Creek upstream of Nassau River											
12-01-82	1128	0.107	0.155	--	--	0.039	--	--	--	--	--
03-02-83	1300	0.086	0.162	--	--	0.03	--	--	--	--	--
06-08-83	1317	0.09	0.136	--	--	0.066	--	--	--	--	--
09-20-83	1017	0.111	0.153	--	--	0.109	--	--	--	--	--
12-05-83	1428	0.152	0.211	--	--	0.049	19.8	48	232	24	418
03-07-84	1500	0.122	0.176	1.32	0.039	0.041	1.7	3.8	347	3.4	20
06-08-84	1315		0.131	1.2	0.045	0.011	113	366	138	57	2,613
09-05-84	1400	0.107	0.177	1.12	0.014	0.024	70.2	182	241	81.4	1,590
12-04-84	1430	0.098	0.151	0.96	0.048	0.026	22	61	636	29	530
03-05-85	1310	0.129	0.236	1.17	<0.005	0.046	49	140	84	54	1,110
05-07-85	1410	0.071	--	0.81	0.035	0.017	125	450	193	67	3,670
07-08-85	1335	0.077	0.206	1.04	0.024	0.007	--	--	--	--	--
09-10-85	1430	0.259	0.143	1.46	0.055	0.044	2.2	3.9	1,342	5.9	23
11-04-85	1220	0.305	0.353	1.25	0.044	0.049	--	--	--	--	--
04-23-86	1420	--	0.315	1.05	0.049	--	--	--	--	--	--
06-17-86	1335	--	0.162	1.49	0.059	<0.005	--	--	--	--	--
10-23-86	1210	0.087	0.122	0.923	0.044	0.098	--	--	--	--	--
Nassau River at Interstate 95											
12-01-82	1225	0.091	0.123	--	--	0.04	--	--	--	--	--
03-02-83	1237	0.079	0.162	--	--	0.027	--	--	--	--	--
06-08-83	1302	0.096	0.131	--	--	0.066	--	--	--	--	--
09-20-83	1038	0.117	0.16	--	--	0.136	--	--	--	--	--
12-05-83	1405	0.13	0.163	--	--	0.048	25	61	188	29	560
03-07-84	1430	0.128	0.186	1.3	0	0.044	1.9	8.3	358	3.6	24
06-08-84	1250	--	0.133	1.11	0.052	0.011	153	486	120	73	3,397
09-05-84	1430	0.115	0.159	1.08	0.016	0.047	81	27	200	91.3	2,130
12-04-84	1400	0.085	0.144	0.91	0.049	0.023	38	103	447	43	771
03-05-85	1255	0.108	0.236	1.17	<0.005	0.042	58	211	90	63	1,520
05-07-85	1350	0.068		0.76	0.029	0.009	133	475	221	68	3,780
07-08-85	1325	0.086	0.308	0.86	0.021	0.017	--	--	--	--	--
09-10-85	1410	0.284	0.167	1.34	0.107	0.035	2.5	3.9	1,287	5.3	23
11-04-85	1205	0.282	0.332	1.34	0.044	0.049	--	--	--	--	--
04-23-86	1400		0.278	0.94	0.052	--	--	--	--	--	--
10-23-86	1200	0.09	0.124	0.812	0.03	0.101	--	--	--	--	--

Appendix VIII.--Nutrient and metal concentrations in surface-water samples at sites in the Nassau River basin, Florida--Continued

[Sampling depth for all sites is 1.6 feet below water surface; mg/L, milligrams per liter; mg/L, micrograms per liter; --, indicates no data.]

Date	Time	Ortho-phos-phate (mg/L)	Total phos-phate (mg/L)	Total Kjeldahl nitro-gen (mg/L)	Am-monia (mg/L)	Nitrite plus nitrate (mg/L)	Po-tas-sium (mg/L)	Mag-ne-sium (mg/L)	Iron (mg/L)	Cal-cium (mg/L)	So-dium (mg/L)
Nassau River at US Highway 17											
12-01-82	1341	0.084	0.121	--	--	0.047	--	--	--	--	--
03-02-83	1150	0.074	0.176	--	--	0.026	--	--	--	--	--
06-08-83	1239	0.1	0.135	--	--	0.06	--	--	--	--	--
09-20-83	1056	0.094	0.121	--	--	0.133	--	--	--	--	--
12-05-83	1255	0.087	0.119	--	--	0.035	275	316	109		2,750
03-07-84	1330	0.176	0.237	1.42	0.047	0.063	3.2	20.4	310	4.2	43
06-08-84	1150	--	0.131	0.99	0.032	0.013	133	426	117	128	2,955
09-05-84	1300	0.101	0.204	1.19	0.021	0.078	130	422	200	176	3,540
10-08-84	1515	0.088	0.128	1.03	0.053	0.027	--	--	--	--	--
12-04-84	1300	0.073	0.144	0.71	0.053	0.023	78	218	345	80	1,840
03-05-85	1210	0.068	0.182	0.78	<0.005	0.008	155	498	134	142	4,100
05-07-85	1310	0.061	--	0.41	0.029	0.009	199	658	244	80	5,780
07-08-85	1100	0.069	0.514	1.01	0.014	0.007	--	--	--	--	--
09-10-85	1350	0.284	0.315	1.09	0.067	0.035	3	13	993	5.5	36
11-04-85	1050	0.295	0.353	1.25	0.051	0.054	--	--	--	--	--
01-09-86	1325	0.168	0.195	1.13	0.075	0.077	--	--	--	--	--
03-05-86	1330	0.178	0.201	0.84	0.073	0.073	--	--	--	--	--
04-23-86	950	--	0.197	0.79	0.035	--	--	--	--	--	--
05-05-86	1315	0.076	0.106	0.78	0.045	0.018	--	--	--	--	--
06-17-86	1010	--	0.116	0.89	0.059	0.018	--	--	--	--	--
07-14-86	1320	0.107	0.118	0.788	0.011	0.005	--	--	--	--	--
09-11-86	1330	0.076	0.111	0.77	0.045	0.101	103	278	133	72	2,630
10-23-86	1010	0.098	0.142	0.998	0.074	0.105	--	--	--	--	--
10-23-86	1335	0.098	0.151	0.886	0.081	0.08	--	--	--	--	--
11-06-86	1300	0.096	0.135	0.666	0.041	0.048	--	--	--	--	--
01-08-87	1230	0.185	0.033	0.848	0.018	0.072	5.5	8.8	348	8.6	85
03-05-87	1200	0.166	0.205	1.09	0.035	0.021	0.3	0.8	614	2	6
05-04-87	1330	0.096	0.165	1.23	0.054	0.053	--	--	--	--	--
07-09-87	1300	0.086	0.207	1.22	0.054	<0.005	217	618	264	234	6,053
09-03-87	1245	0.152	0.223	1.27	0.024	0.168	107	292	623	121	3,250
11-05-87	1155	0.071	0.115	0.83	0.083	0.012	304	786	296	261	9,620
01-13-88	1420	0.084	0.171	1.66	0.071	0.051	129.6	99.2	376	146	3,636
03-10-88	1255	0.187	0.208	1.33	0.076	0.047	4.9	10.4	644	9	88
05-05-88	915	0.104	0.134	1.19	0.039	0.059	--	138	--	--	--
07-05-88	920	0.053	0.125	1	0.069	0.022	295	904	152	236	6,508
09-06-88	940	0.192	0.237	1.2	0.056	0.099	11.6	149	160	54	1,170
10-31-88	915	0.112	0.135	1.39	0.06	0.042	--	--	--	--	--
Nassau River 1.75 miles downstream from US Highway 17											
03-05-85	1150	0.054	0.176	0.52	<0.005	0.008	233	699	144	191	6,110
05-07-85	1245	0.061	--	0.41	0.029	0.013	--	--	--	--	--
07-08-85	1305	0.094	0.362	0.6	0.069	0.007	--	--	--	--	--
09-10-85	1330	0.276	0.216	1.22	0.061	0.035	3.4	13	1,022	5.8	46
11-04-85	1125	0.3	0.37	1.52	0.051	0.049	--	--	--	--	--
04-23-86	1135	--	0.191	0.56	0.018	--	--	--	--	--	--
06-17-86	1025	--	0.12	0.81	0.133	0.018	--	--	--	--	--
10-23-86	1040	0.102	0.135	0.774	0.048	0.08	--	--	--	--	--

Appendix VIII.--Nutrient and metal concentrations in surface-water samples at sites in the Nassau River basin, Florida--Continued

[Sampling depth for all sites is 1.6 feet below water surface; mg/L, milligrams per liter; mg/L, micrograms per liter; --, indicates no data.]

Date	Time	Ortho-phos-phate (mg/L)	Total phos-phate (mg/L)	Total Kjeldahl nitro-gen (mg/L)	Am-monia (mg/L)	Nitrite plus nitrate (mg/L)	Po-tas-sium (mg/L)	Mag-ne-sium (mg/L)	Iron (mg/L)	Cal-cium (mg/L)	So-dium (mg/L)
Lofton Creek upstream of Nassau River											
12-01-82	1422	0.086	0.11	--	--	0.044	--	--	--	--	--
03-02-83	1104	0.027	0.101	--	--	0.02	--	--	--	--	--
06-08-83	1139	0.103	0.137	--	--	0.022	--	--	--	--	--
09-20-83	1135	0.059	0.087	--	--	0.023	--	--	--	--	--
12-05-83	1045	0.062	0.092	--	--	0.027	290	730	190		7,000
03-07-84	1245	0.116	0.319	1.46	0.072	0.066	23.5	87.5	230	60	590
06-08-84	1115	--	0.118	0.64	0.023	0.017	302	929	185	283	6,573
09-05-84	1230	0.063	0.211	1.05	<0.005	0.005	262	884	342	370	7,080
12-04-84	1210	0.078	0.151	0.58	0.04	0.019	201	570	263	190	4,710
03-05-85	1130	0.047	0.405	0.52	0.014	0.011	303	1,000	203	233	8,220
05-07-85	1200	0.061	--	0.41	0.058	0.03	289	900	367	91	8,310
07-08-85	1240	0.081	0.249	1.04	0.059	0.007	--	--	--	--	--
09-10-85	1250	0.166	0.108	1.42	0.104	0.035	7.5	26	941	10	422
Edwards Creek upstream of Nassau River											
03-07-84	1200	0.056	0.128	1.24	0.075	0.05	100	442	97	210	2,670
06-08-84	1045	--	0.126	0.61	0.026	0.019	362	1,140	224	350	7,900
04-12-84	1150	0.050	0.168	0.66	0.046	0.016	260	678	363	269	6,310
03-05-85	1105	0.057	0.905	0.45	0.017	0.015	295	939	200	206	7,740
05-07-85	1140	0.057	--	0.29	0.087	0.039	318	985	392	92	8,870
07-08-85	1225	0.073	0.374	0.52	0.045	0.01	--	--	--	--	--
09-10-85	1225	0.186	0.128	1.26	0.165	0.022	55	137	445	37	2,340
06-17-86	1145	--	0.139	0.89	0.029	0.007	--	--	--	--	--
Nassau River near Nassauville											
03-02-83	1015	0.019	0.088	--	--	0.021	--	--	--	--	--
06-08-83	1050	0.079	0.126	--	--	0.026	--	--	--	--	--
09-20-83	1245	0.054	0.101	--	--	0.013	--	--	--	--	--
12-05-83	1147	0.037	0.072	--	--	0.027	350	780	267		8,300
03-07-84	1115	0.034	0.079	0.83	0.075	0.041	164	860	336	320	4,550
06-08-84	1005	--	0.157	0.62	0.023	0.021	394	1,270	251	402	8,726
09-05-84	1130	0.041	0.528	1.13	<0.005	0.007	349	--	423	457	--
12-04-84	1120	0.038	0.322	0.38	0.062	0.037	320	812	362	325	7,330
03-05-85	1030	0.056	0.38	0.39	0.116	0.034	353	1,090	243	227	9,560
05-07-85	1105	0.061	--	0.23	0.068	0.039	330	1,010	439	91	9,580
07-08-85	1155	0.069	0.436	0.45	0.031	0.017	--	--	--	--	--
09-10-85	1140	0.142	0.138	1.05	0.135	0.049	70	291	302	61	2,670
04-23-86	1100	--	0.134	0.3	0.021	--	--	--	--	--	--
10-23-86	1110	0.049	0.111	0.551	0.048	0.031	--	--	--	--	--