HYDROLOGIC DATA FOR THE SALT BAYOU ESTUARY NEAR SABINE PASS, TEXAS, OCTOBER 1984 TO MARCH 1986

By J.C. Fisher

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METRIC CONVERSIONS

Factors for converting inch-pound units to metric (International System) units are given in the following table:

Multiply inch-pound	By	To obtain metric units
acre-foot (acre-ft)	0.001233	cubic hectometer
cubic foot per second (ft^3/s)	0.02832	cubic meter per second
foot (ft)	0.3048	meter
inch (in.)	25.40	millimeter
mile (mi)	1.609	kilometer
square mile (mi^2)	2.590	square kilometer
degree Fahrenheit (°F)	5/9 (°F-32)	degree Celsius (°C)

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

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ABSTRACT

The Salt Bayou estuary, located in extreme southeast Texas near Sabine Pass, has been altered by construction of the Gulf Intracoastal Waterway. The waterway has interrupted the historical saltwater-freshwater exchange in this important estuary. This alteration may have had a detrimental effect on fish production because of increased salinity, and on waterfowl production because of lower water levels.

There have been proposals to develop water control structures in the major channels that would enable some regulation of the saltwater in order to restore the estuary to its approximate historic state. A cooperative effort was initiated by the Louisiana Cooperative Fish and Wildlife Research Unit, the U.S. Fish and Wildlife Service, the Texas Parks and Wildlife Department, and the U.S. Geological Survey to identify the fish species and their transport mechanisms. The U.S. Geological Survey's part of this effort was to describe the present hydrology of Salt Bayou.

The purpose of this report is to present the hydrologic data that were collected during October 1984 through March 1986. The initial data-collection network consisted of stage gages at Keith Lake Pass, the mouth of Salt Bayou, Ten Mile Cut, the Intracoastal Waterway, and Star Lake. A stage gage at the Alligator Bayou pumping plant became available later in the study. After 6 months of data were collected, the Ten Mile Cut gage was moved to Wildcow Bayou. The gages at Keith Lake Pass, the mouth of Salt Bayou, Ten Mile Cut, and Wildcow Bayou were equipped with water-velocity recording equipment. The Keith Lake Pass gage also had temperature and specific-conductance recording equipment.

Six 24-hour flow investigations were performed to calibrate the velocity recording equipment and to determine the flow at ungaged sites. Before and after these investigations, specific conductance was measured at 43 sites within the estuary.

Precipitation data were obtained from National Oceanic and Atmospheric Administration stations at Port Arthur, Anahuac, and Sea Rim State Park and were used to estimate the contribution of freshwater from rainfall. Evaporation data were obtained from Beaumont Research Station and were used to make estimates of water consumption from evapotranspiration. Wind speed and direction were obtained from the National Oceanic and Atmospheric Administration weather station at Sea Rim State Park.

INTRODUCTION

The Salt Bayou estuary is located in extreme southeast Texas (fig. 1). It extends about 22 mi in a southwesterly direction from the town of Sabine Pass, and is located between the Gulf Intracoastal Waterway and the Gulf of Mexico.

The construction of the Gulf Intracoastal Waterway, the Port Arthur Canal, and Keith Lake Pass has interrupted the historical saltwater-freshwater exchange pattern of the Salt Bayou estuary. The channels have provided a means for increased seawater intrusion into the estuary, resulting in increased estuary salinty, which may have had a detrimental effect on the shellfish and finfish production. Water levels are now lower because drainage of precipitation runoff from the estuary is enhanced, which may have had a similar detrimental effect on waterfowl. The U.S. Fish and Wildlife service and the Texas Parks and Wildlife Department have proposed installation of control structures that would allow regulation of the water exchange for the estuary. These structures would help maintain higher water stages to improve the waterfowl habitat and regulate the salinity of the estuary to improve the suitability of the area as a nursery for marine fish and crustaceans.

Purpose and Scope

A cooperative study was initiated by the Texas Parks and Wildlife Department, the Louisiana Cooperative Fish and Wildlife Research Unit, and the U.S. Geological Survey to help define the ecosystem. The objective of the study was to better define the migration pattern and habits of the various fish that use the estuary thereby allowing various options of water management to improve the habitat. Water management would allow retention of freshwater for longer periods, thus restoring the system to its approximate historical state. Construction of a weir system would probably facilitate improved water management. The proposed control structures must not create a significant obstacle to the migration of fish that inhabit the estuary. Prerequisite for the design and installation of water control devices are the definition of the transport methods and migration habits of the marine species that inhabit the estuary and description of the hydrologic characteristics of the system.

The study was divided into two components; (1) the collection and description of biological data by the Louisiana Cooperative Fisheries Unit, and (2) the collection of hydrologic data by the U.S. Geological Survey to define the surface water characteristics of the area. Funding for the hydrologic part of the study was provided equally by the U.S. Geological Survey and the Texas Parks and Wildlife Department. The U.S. Geological Survey's part in the cooperative effort was to describe the hydrologic characteristics of the estuary. The purpose of this report is to present the hydrologic data that were collected during October 1984 through March 1986.

Location and Description of Study Area

The Salt Bayou estuary is located in Jefferson County near Sabine Pass, Texas (fig. 1). It is bounded on the east and south by Texas State Highway 87 and on the north by a spoil bank along the south bank of the Gulf Intracoastal Waterway. The western boundary is a low, poorly defined ridge that runs approximately north and south from the Intracoastal Waterway to Highway 87. This ridge is located about 4.5 mi west of Star Lake. The estuary drains into the Port Arthur Canal at Keith Lake Pass and into the Intracoastal Waterway at the mouth of Salt Bayou. Keith Lake Pass is about 3 mi northwest of the mouth

Figure 1.–Location of the study area and data-collection sites.

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of Sabine Lake and about 4.8 mi from the Gulf of Mexico. The Intracoastal Waterway enters the Port Arthur Canal about 3.5 mi north of Keith Lake Pass. The mouth of Salt Bayou intersects the Intracoastal Waterway about 3.8 mi southwest of the Port Arthur Canal.

The area of the estuary is approximately 92.6 mi^2 (table 1). About 21.8 mi^2 of the estuary is coastal grassland; the remainder is marsh, mudflats and open water. A network of about 129 mi of shallow narrow channels interconnect nearly all of the open waterbodies. Some of these are natural channels but most are artificial channels constructed to provide access to the estuary by small boats, primarily for waterfowl hunting. Most of dredged channels are less than 2 ft deep and are congested with aquatic plants.

The McFadden National Wildlife Refuge, managed by the U.S. Fish and Wildlife Service, and Sea Rim State Park, managed by the Texas Parks and Wildlife Department are within the estuary. Most of the area west of Salt Lake and Shell Lake is within the McFadden Refuge. The area between Keith Lake and McFadden is within Sea Rim State Park. The eastern part of the estuary and small tracts near Star Lake are privately owned and are used for petroleum production and cattle grazing.

Prior to construction of the Intracoastal Waterway, the drainage basin began near Stowell, a town about 30 mi west northwest of Sabine Pass. The waterway severed Salt Bayou near Star Lake about 18 mi west of Sabine Pass. Salt Bayou reenters the Intracoastal Waterway near Shell Lake. The drainage area of the Salt Bayou basin, prior to construction of the Intracoastal Waterway, is not known. Inspection of current topographic maps indicates that perhaps as much as 60 percent of the watershed was removed from direct drainage into the estuary when the Intracoastal Waterway was constructed.

HYDROLOGIC SETTING

The primary water exchange point of the estuary is a channel at the eastern end of Keith Lake, which connects Keith Lake to the Port Arthur Canal. The channel is dredged about 300 ft wide and 10 ft deep.

Another major water exchange point is a channel where runoff from Salt Bayou reenters the Intracoastal Waterway after leaving Shell Lake. This channel, 150 ft wide and less than 3 ft deep, is a major source of freshwater during periods of local runoff. A part of the runoff originating in the area north of the Intracoastal Waterway flows through this opening into Shell Lake, then through Keith Lake and into the Port Arthur Canal.

Ten Mile Cut is a meandering channel of varying widths and depths that connects Keith Lake and Shell Lake to Clam Lake. There is limited hydraulic connection between the upper end of Ten Mile Cut and Clam Lake.

Star Lake and Clam Lake are connected by Five Mile Cut, a narrow meandering channel that is nearly closed by silt depositions and aquatic plants. Pipes through a levee at the upper end of Five Mile Cut allow flow and are partly regulated by wooden panels placed over the ends.

At Star Lake, pipes through the spoil levee provide some interchange of water with the Intracoastal Waterway. The flow is partly regulated by wooden panels at the ends of the pipes. There are additional pipes through the levee at a channel that runs along the eastern edge of the Clam Lake Oil Field.

DATA COLLECTION

The objectives of the data collection effort were: (1) to provide information to determine the water budget of the estuary; (2) to define water velocity

profiles over several tide cycles; and (3) to define salinity profiles for the main channel within the estuary.

A network of stage gages and water velocity gages at the major water exchange channels (fig. 1) was established to provide data for determining the water budget of the estuary. Six periodic surveys, consisting of water-discharge measurements at all known exchange points for a complete tide cycle, were conducted to determine water-velocity profiles over several tide cycles. The measurements at velocity recording sites also were used to calibrate the recording equipment.

Specific conductance and temperature were recorded at 43 sites within the estuary before and after each of the six tide cycle surveys in order to define the salinity profile. In addition, temperature and conductivity were recorded at hourly intervals at Keith Lake Pass.

Data Recording Network

The initial data-collection network consisted of five gaging stations. Water-level gages were installed in the channel between Keith Lake and the Port Arthur Canal, at the mouth of Salt Bayou near the Intracoastal Waterway, and on Ten Mile Cut near the eastern edge of Clam Lake. Two existing water-level gages, located in Star Lake and in the Intracoastal Waterway near the western end of Star Lake, were incorporated into the network. Graphic data furnished by the Texas Water Development Board from their gage at the mouth of Sabine Lake were used to verify data collected at Keith Lake Pass but are not included in this report. In April 1985, a sixth water-level gage, a data-collection platform (DCP) located at the Alligator Bayou-Taylor Bayou pumping station, became available. This DCP transmits Taylor Bayou stage data via the geostationary operational-enviromental satellite (GOES) to the U.S. Army Corps of Engineers direct-readout ground station (DRGS) in Fort Worth, Texas. These data were transfered to the Geological Survey computer in Austin, Texas.

Water-velocity measuring equipment was installed at three of the gaging stations. An acoustic velocity meter with a single pair of transducers was installed at the Keith Lake Pass gage. Water-temperature and specific-conductance recording equipment also were installed and operated throughout the study at the Keith Lake Pass gage. Single-point velocity meters were installed at the Salt Bayou and Ten Mile Cut gages. In April 1985, equipment from Ten Mile Cut was relocated to Wildcow Bayou.

Forty-three sampling sites were established within the basin for periodic observation of specific conductance and water temperature. Sampling lines were established on the lakes and major channels. As many as three sampling sites were established on each sampling line, depending on the length of the line.

Three National Weather Service stations were used to obtain climatological data. Rainfall data were obtained at Port Arthur WSO AP and at Anahuac; pan evaporation data were obtained from the Beaumont Research Center (U.S. Department of Commerce, 1985, 1986). A NOAA coastal-marine-automated network (C-MAN) data buoy is located at Sea Rim State Park. Hourly rainfall, wind speed and direction, and air temperature are included in the GOES transmisions from this data buoy. These data were collected at the Corps of Engineers DRGS. Daily total-rainfall data were collected on a fairly regular basis at the McFadden National Wildlife Refuge headquarters by refuge personnel.

Keith Lake Pass is the primary exchange point of water flowing into and out of the estuary. Because of the importance of this exchange, a stage

recorder, a Ferranti O.R.E.[1/] series 7200 acoustic-velocity meter (AVM), and a Geological Survey minimonitor, with two temperature and two specific conductance channels, were installed at this location (station 08042534).

Stage and Velocity Data

The AVM at Keith Lake Pass was used to continuously measure the velocity of water between the transducers mounted on either side of the channel. These measurements were recorded at 15-minute intervals. Twenty-seven current-meter-discharge measurements were made to verify the velocities obtained with the AVM. A coefficient (Laenen and Smith, 1983) that is based on the position of the path velocity within the vertical-velocity profile was used to adjust path velocity to approximate the mean velocity of water in the channel. Stage data were used to determine cross-sectional area from a stage-area rating table. Water discharges were then computed from the computed area and velocity data.

The mouth of Salt Bayou gage (station 08042532) was located at the reentry of the bayou into the Intracoastal Waterway after exiting Shell Lake. This gage consisted of a stage recorder and a Marsh McBirney Model 201D electromagnetic velocity meter. Both instruments recorded data at 15-minute intervals. At this site, velocity at a single point was measured with the velocity meter. A series of 79 discharge measurements were made to establish the relation between the point-velocity meter and the mean velocity of the channel. The stage-area relation and point velocity-mean velocity relation were then used to compute discharge through this opening.

Ten Mile Cut gage (station 08042530) was located on Ten Mile Cut just east of Clam Lake. The gage consisted of an electromagnetic velocity meter and a stage recorder, both recording data at 15-minute intervals. Twenty current-meter-discharge measurements were made to establish the relation between the velocity meter and the mean velocity of the stream. Discharge was computed by the method used for station 08042532. The Ten Mile Cut gage was discontinued in April 1985 after 6 months of operation.

Wildcow Bayou gage (station 08042531) was established in April 1985 and was operated for the rest of the study. The gage consisted of an electromagnetic velocity meter and a stage recorder recording at 15-minute intervals. Forty-seven current meter discharge measurements were made to establish the relation between recorded velocity and mean velocity of the stream. Discharge was then computed in the same manner as at Ten Mile Cut.

Several large-diameter pipes through the spoil levee along the Intracoastal Waterway connect Star Lake at its western end to the waterway. The size of the opening is regulated by placing wooden panels over the ends of the pipes. Gages at stations 08042524 and 08042528 recorded the stage at 15-minute intervals on opposite sides of this opening. Eighty-nine discharge measurements were made to establish a relation between the stage on each side of the opening and the amount of flow. These two gages were operated until October 1985.

Alligator Bayou pump station (station 08042522) is located on the Port Arthur hurricane-protection levee. The gage was located in Taylor Bayou about 3 mi upstream from the Intracoastal Waterway. The gage consisted of a data-collection platform that transmitted Taylor Bayou stage data that were collected by a Geological Survey computer. Stage data at this location are predominately tidal. During periods of precipitation, stage values are influenced by runoff

1/ Use of brand names in this report is for identification purposes only and does not constitute endorsement by the U.S. Geological Survey.

from the Taylor Bayou basin. They are also influenced by pump-plant operations when the area behind the levee is being dewatered.

All gage-height and velocity measurements were obtained at 15-minute intervals, except for periods when equipment malfunctioned. Daily maximum, minimum, and mean gage heights recorded for the period of the study at Keith Lake Pass, mouth of Salt Bayou, Ten Mile Cut, Wildcow Bayou, Intracoastal Waterway, Star Lake, and Alligator Bayou pump station are given in table 2. When both the gage-height and velocity measurements were available, discharge was computed for the corresponding time interval for Keith Lake Pass, Wildcow Bayou, and mouth of Salt Bayou. Because of the significance of flow through Keith Lake Pass, daily flow volumes for periods of missing record were estimated. Statistical relations were developed between the gage heights at stations 08042534, 08042532, and 08042531 and the measured velocity at Keith Lake Pass. The data were divided into monthly sets and a regression equation was developed for each set. The regression equations were then used to compute the missing velocities. These computed velocities were used to compute flow volumes. The average standard error of estimate for the regression equations was approximately 20 percent. The daily maximum and minimum gage heights for Keith Lake Pass, mouth of Salt Bayou, Ten Mile Cut, Wildcow Bayou, Intracoastal Waterway, Star Lake, and Alligator Bayou pump station are shown in figures 2-8. Daily discharges for Keith Lake Pass, mouth of Salt Bayou, Ten Mile Cut, Wildcow Bayou, and Intracoastal Waterway are given in table 3. Daily maximum and minimum flow rates for Keith Lake Pass, mouth of Salt Bayou, Ten Mile Cut, Wildcow Bayou, and Intracoastal Waterway are shown in figures 9-13. Daily positive and negative flows for Keith Lake Pass, mouth of Salt Bayou, and Wildcow Bayou are given in table 4.

The daily maximum flow through Keith Lake Pass generally ranged from 3,000 to 5,000 ft^3/s. The larger flows occur during diurnal ("having a period or cycle of approximately 1 tidal day ...", Swanson, 1974) tide conditions while the lower flows occur during semi-diurnal tides ("having a period or cycle of approximately one-half tidal day ....", Swanson, 1974). A slight decrease in the maximum flow rates during the October 1984-March 1986 study period is indicated in figure 9. This is a result of the general trend of decreasing stages during the study (fig. 2). The maximum flow rates at the mouth of Salt Bayou generally ranged from 2,000 ft^3/s at the beginning of the study to about 1,000 ft^3/s at the end of the study. Because the channel at the mouth of Salt Bayou is shallow (2 to 3 ft), the effect of the general trend of lower stages has a greater influence on flow rates than at Keith Lake Pass, which is a much deeper (10 to 12 ft) channel. Sediment deposition may have closed some of the channel that leads from the mouth of Salt Bayou to Shell Lake.

The maximum flows observed at Wildcow Bayou generally ranged from about 50 ft^3/s, in April 1985, when the gage was installed, to about 30 to 40 ft^3/s at the end of the study in March 1986. This reduction in maximum flow rates also is caused by an overall decrease in the tide level during the study.

Maximum flow rates at Ten Mile Cut are only slightly affected by tidal ranges because there is very little storage above that gage and the gage is several miles upstream from the main tidal waters of Keith and Shell Lakes. Flow is predominately toward Keith and Shell Lakes as a result of partly regulated releases from Star Lake. The maximum flow rate ranged from about 350 ft^3/s in the downstream direction to about 200 ft^3/s in the upstream direction. The flow was predominately downstream at about 100 ft^3/s.

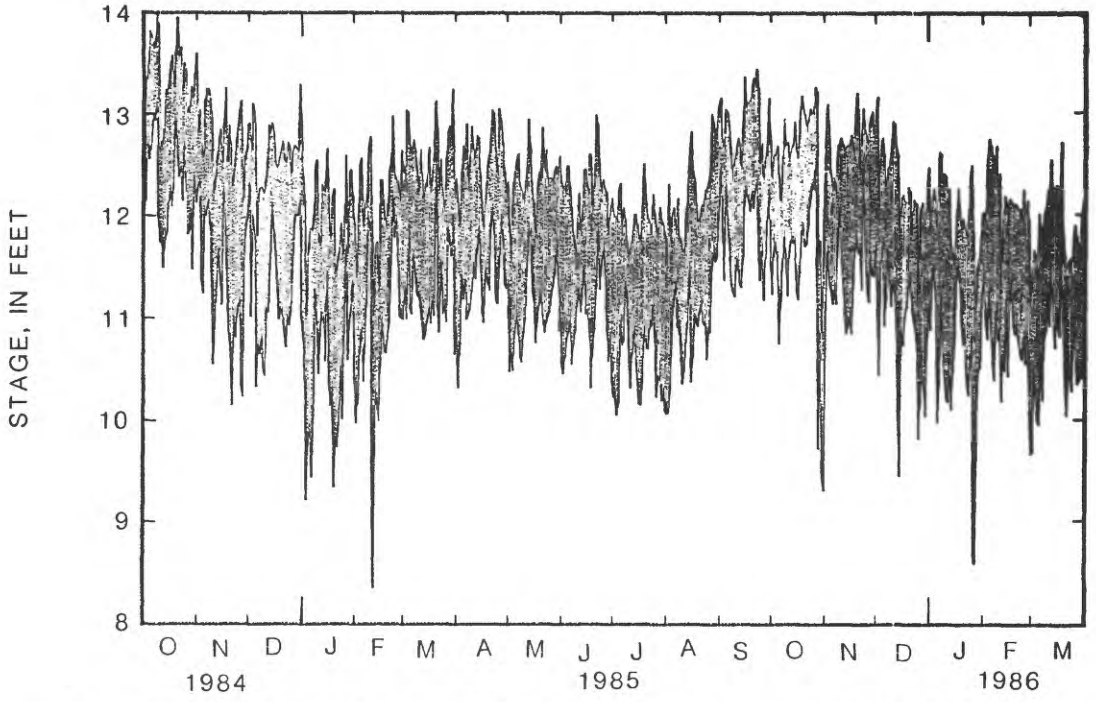


Figure 2.--Daily maximum and minimum stage at station 08042534, Keith Lake Pass

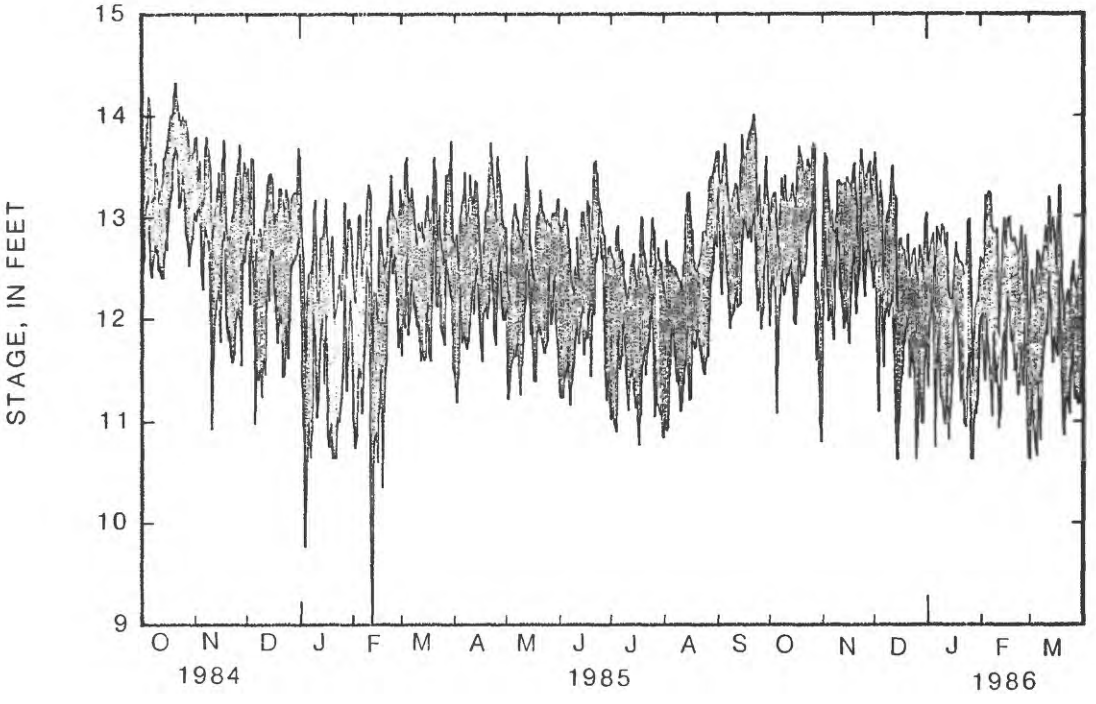


Figure 3.--Daily maximum and minimum stage at station 08042532, mouth of Salt Bayou

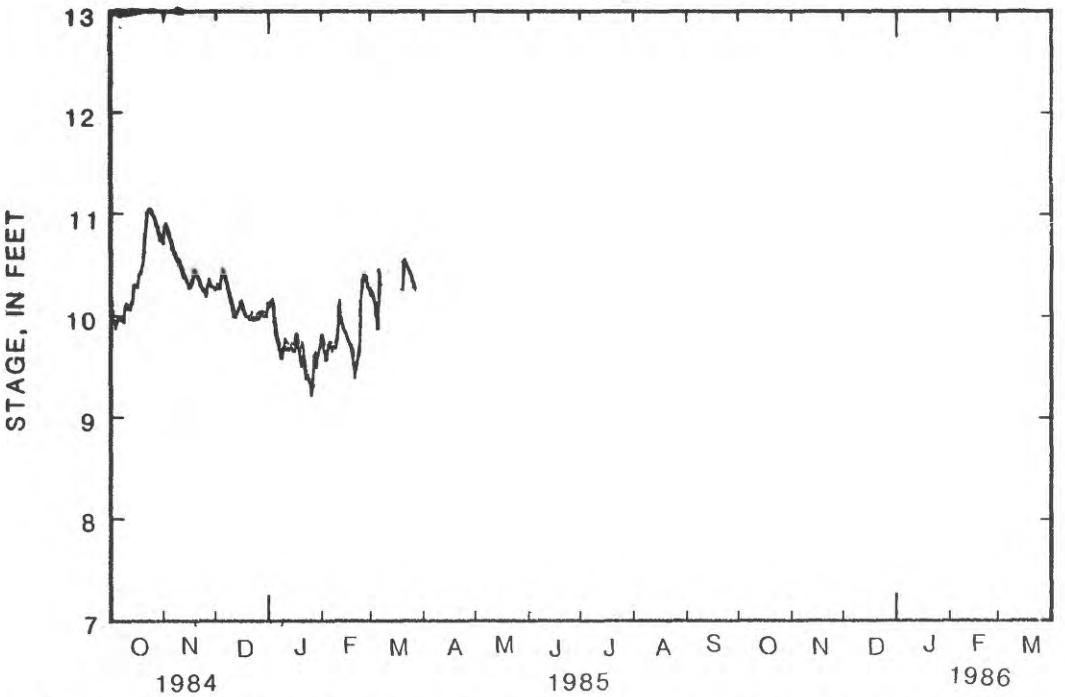


Figure 4.--Daily maximum and minimum stage at station 08042530, Ten Mile Cut

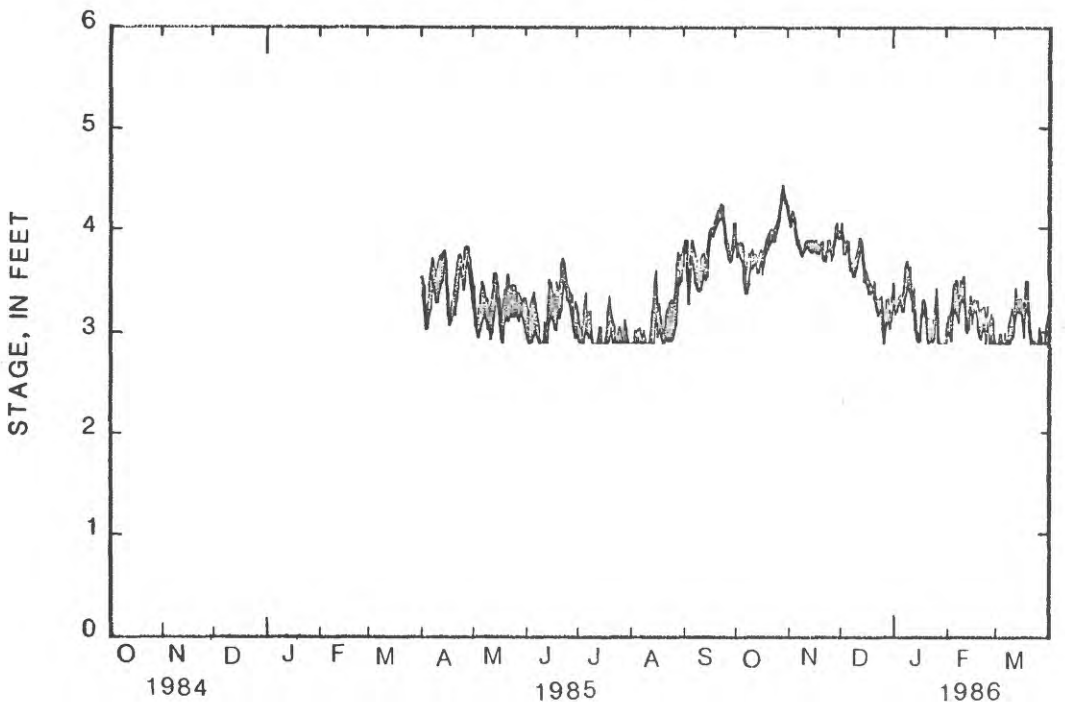


Figure 5.--Daily maximum and minimum stage at station 08042531, Wildcow Bayou

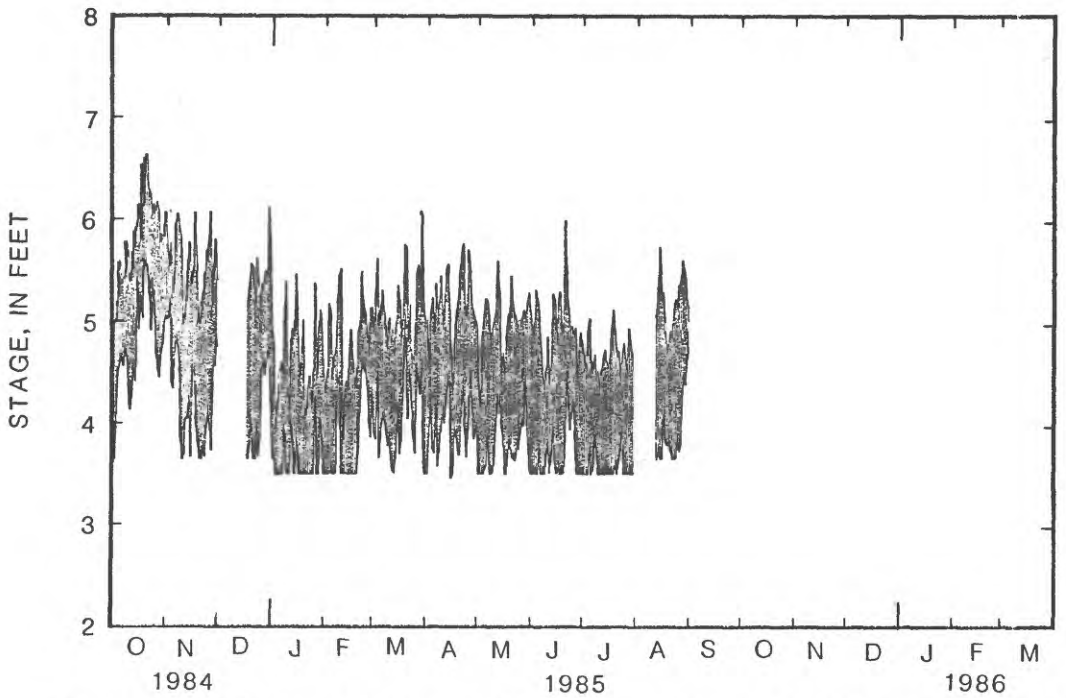


Figure 6.--Daily maximum and minimum stage at station 08042524, Intracoastal Waterway

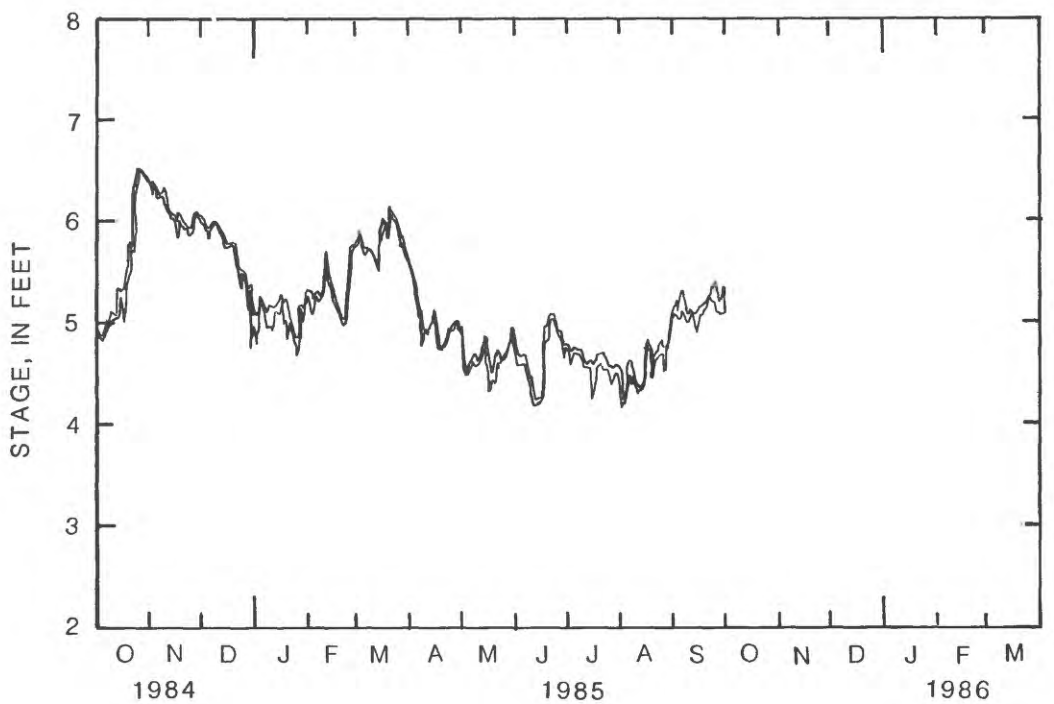


Figure 7.--Daily maximum and minimum stage at station 08042528, Star Lake

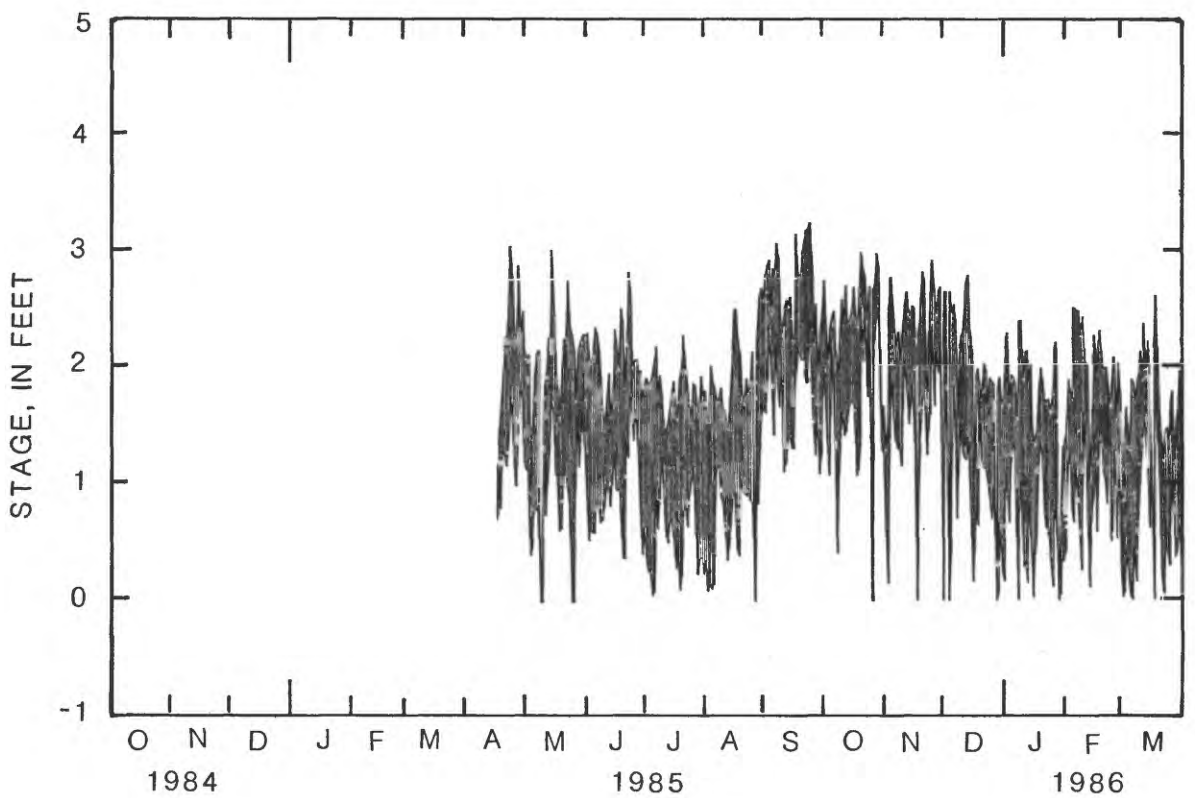


Figure 8.--Daily maximum and minimum stage at station 08042522, Alligator Bayou pump station

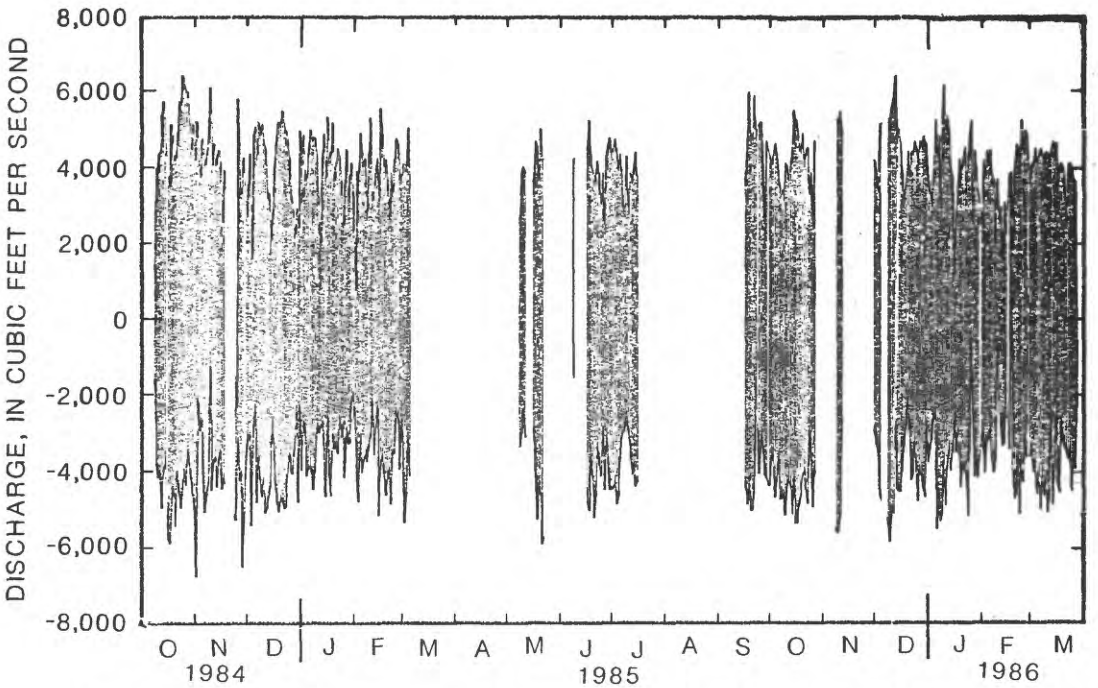


Figure 9.--Daily maximum and minimum discharge at station 08042534, Keith Lake Pass

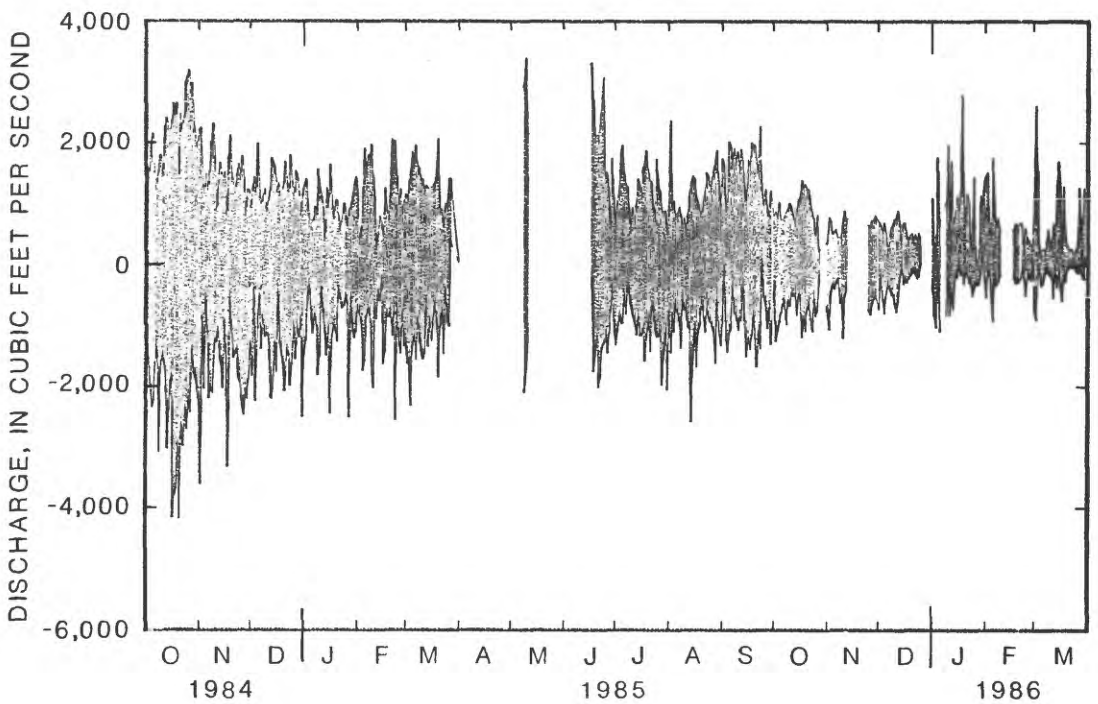


Figure 10.--Daily maximum and minimum discharge at station 08042532, mouth of Salt Bayou

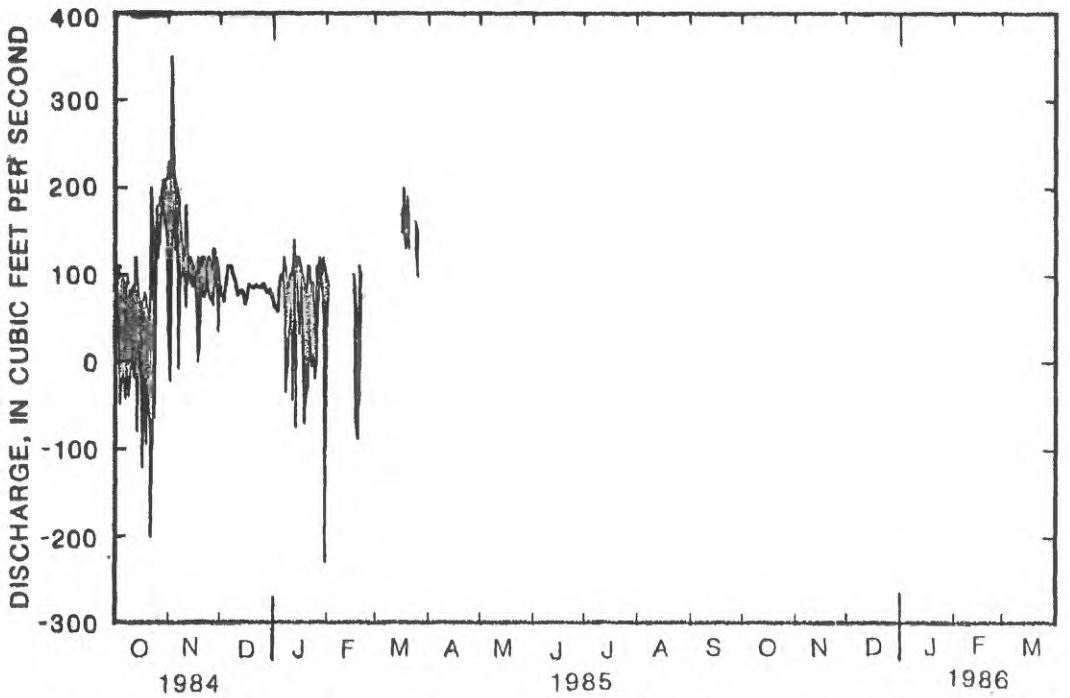


Figure 11.--Daily maximum and minimum discharge at station 08042530, Ten Mile Cut

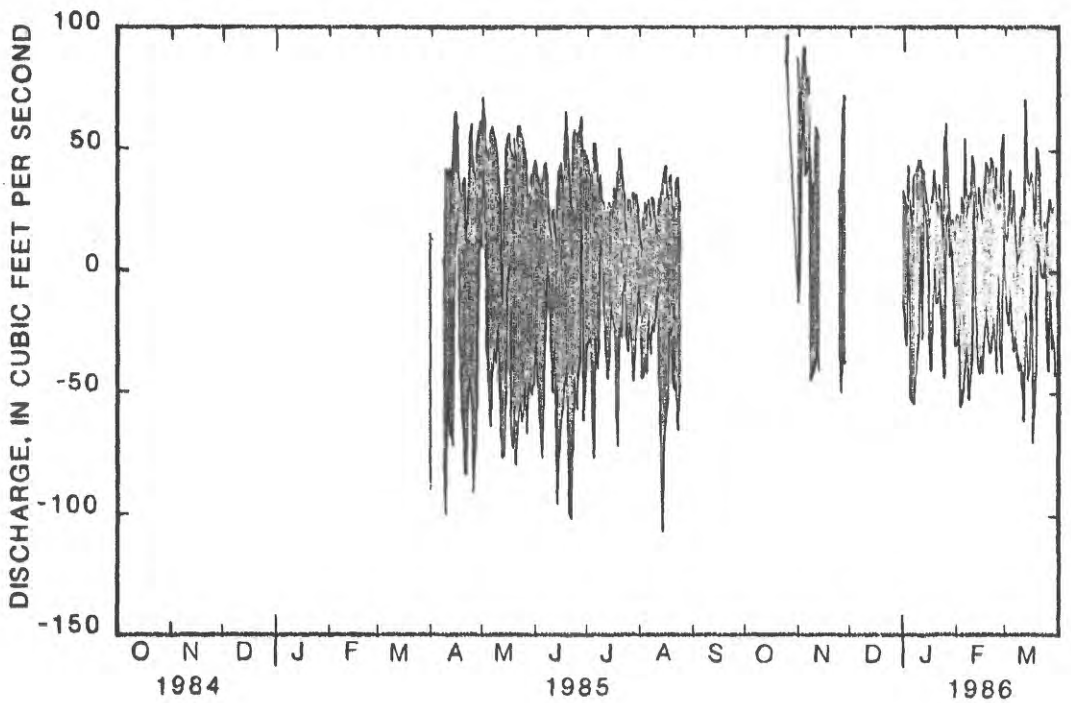


Figure 12.--Daily maximum and minimum discharge at station 08042531, Wildcow Bayou

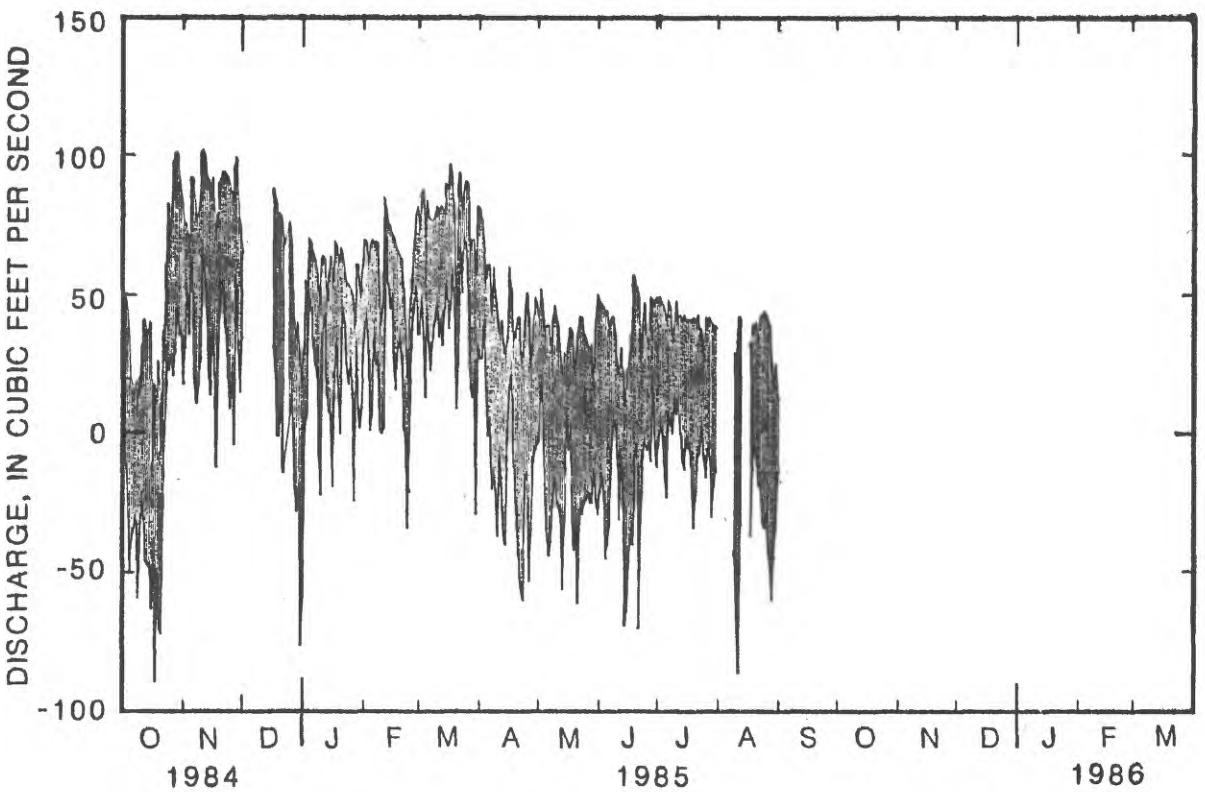


Figure 13.--Daily maximum and minimum discharge at station 08042524a, Salt Bayou at Intracoastal Waterway.

Temperature and Conductivity Data

Water temperature and specific conductance at two depths were recorded at hourly intervals at Keith Lake Pass. The upper probes were located about 3 ft below the mean water surface and the lower probes were located about 9 ft below the mean water surface. The daily maximum, minimum, and mean specific conductance and water temperature measured at these depths are given in tables 5 and 6, respectively.

Specific conductance is a measure of electrical resistivity and is an indicator of the freshness of the water. During October 1976 to April 1982, the Geological Survey made 37 observations of specific conductance 1 mi offshore from the mouth of the Sabine River (figs. 14 and 15). The average of these observations was 42,000 µS/cm (microsiemens per centimeter). The greatest source of saltwater that enters the estuary is from Keith Lake Pass. This water is somewhat fresher than Gulf water but its conductance depends on the flow of the Sabine River and the amount of local runoff.

Six Intensive Flow Investigations

During the 18-month study period, six intensive flow investigations were performed. These investigations consisted of making discharge measurements at about 2-hour intervals at the primary water-exchange channels over a tide cycle. In addition, specific conductance and water temperature were measured at 43 sites within the estuary.

The discharge measurements made at the velocity-recording sites were used to calibrate the velocity-monitoring equipment. The measurements at the sites with no velocity-recording equipment were used to construct hydrographs for the duration of the intensive flow investigations. The measurements at the channel between Star Lake and the Intracoastal Waterway were used to statistically estimate the flow based on the stage recorders that were located near that site.

The maximum flow rates observed at Salt Bayou at the Intracoastal Waterway were about 100 ft^3/s. The flows at this site were computed based on the stage on either side of the pipes that pass through the spoil levee between the Intracoastal Waterway and Star Lake (figs. 16 and 17). During the study, there were undocumented changes to the net opening of these pipes; therefore, the computed discharges are less reliable than those at the other measuring sites.

Two large-diameter pipes through the spoil levee provide an opening into the Intracoastal Waterway near the Clam Lake Oil Field. No gaging devices were installed to monitor flow in this channel. Ninety-one discharge measurements were made at this opening during the six surveys.

The maximum flow rates measured at the ungaged Clam Lake Oil Field Ditch ranged from 110 ft^3/s flowing out of the Salt Bayou estuary and 160 ft^3/s flowing into the estuary during the October 1984 investigation to 28 ft^3/s flowing into and 40 ft^3/s flowing out of the estuary for the June 1985 investigation.

Flow through three large-diameter pipes from Star Lake to Five Mile Cut also was measured during the six surveys. Ninety discharge measurements were made at this site. This opening consists of three large-diameter pipes. The area of the opening is regulated with wooden panels that are placed over the ends of the pipes.

The channel connecting Star Lake to Five Mile Cut was not continuously gaged. The maximum observed flow range in this channel was from 28 ft^3/s toward Five Mile Cut, to 30 ft^3/s toward Star Lake during the April 1985 investigation.

Before and after each of the six flow-measuring surveys, data from each of

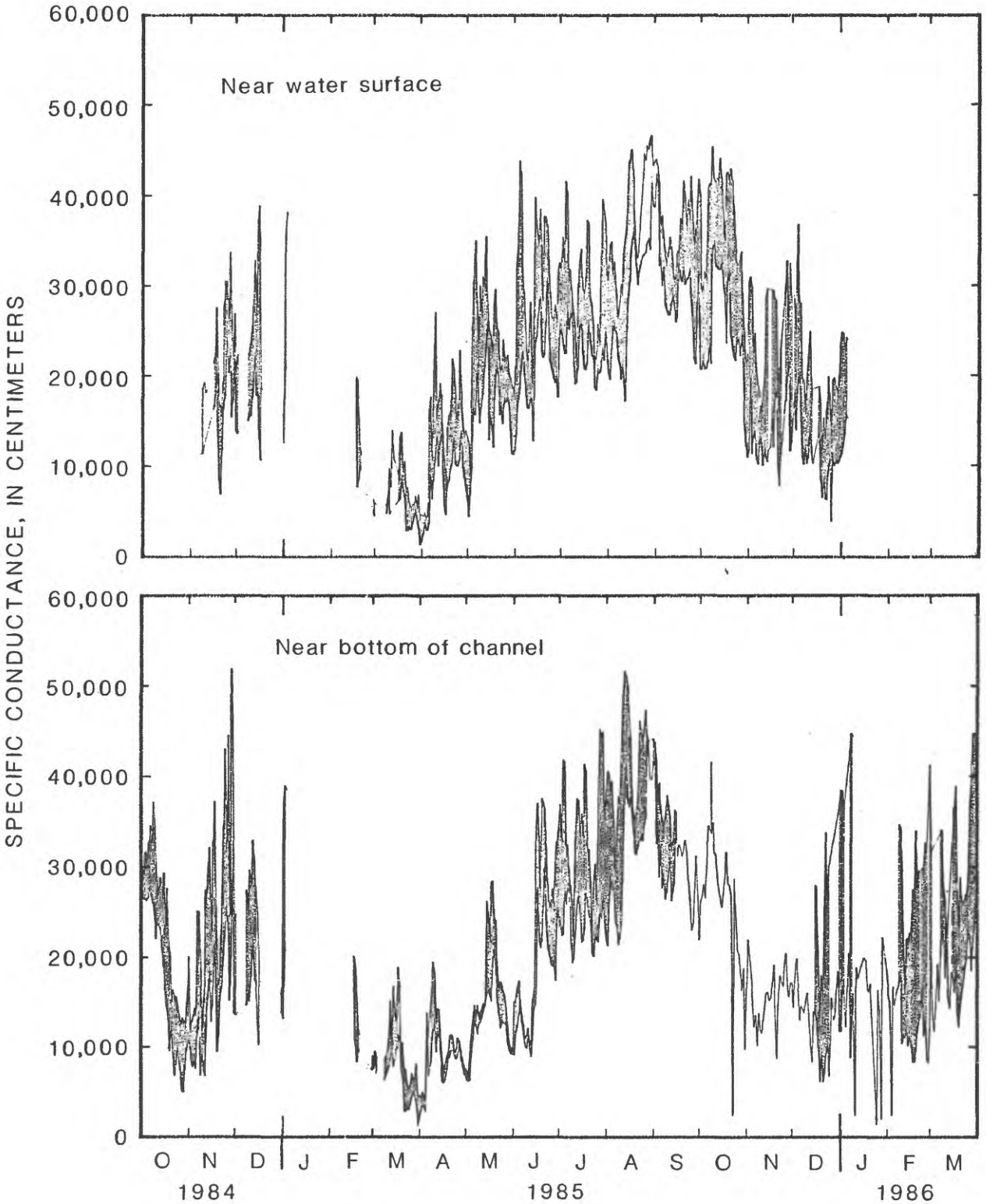


Figure 14.--Daily maximum and minimum specific conductance at Keith Lake Pass

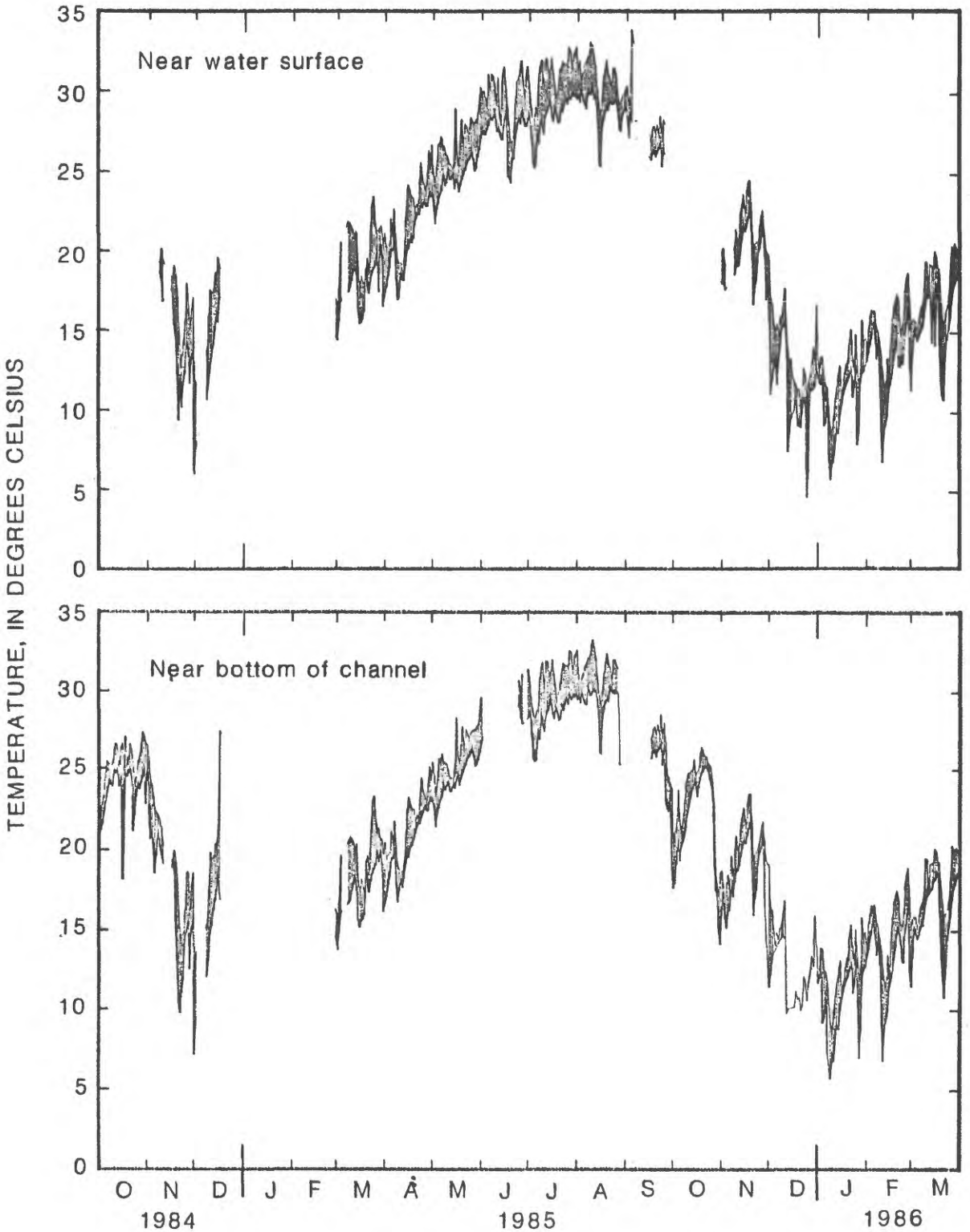


Figure 15.--Daily maximum and minimum water temperature at Keith Lake Pass

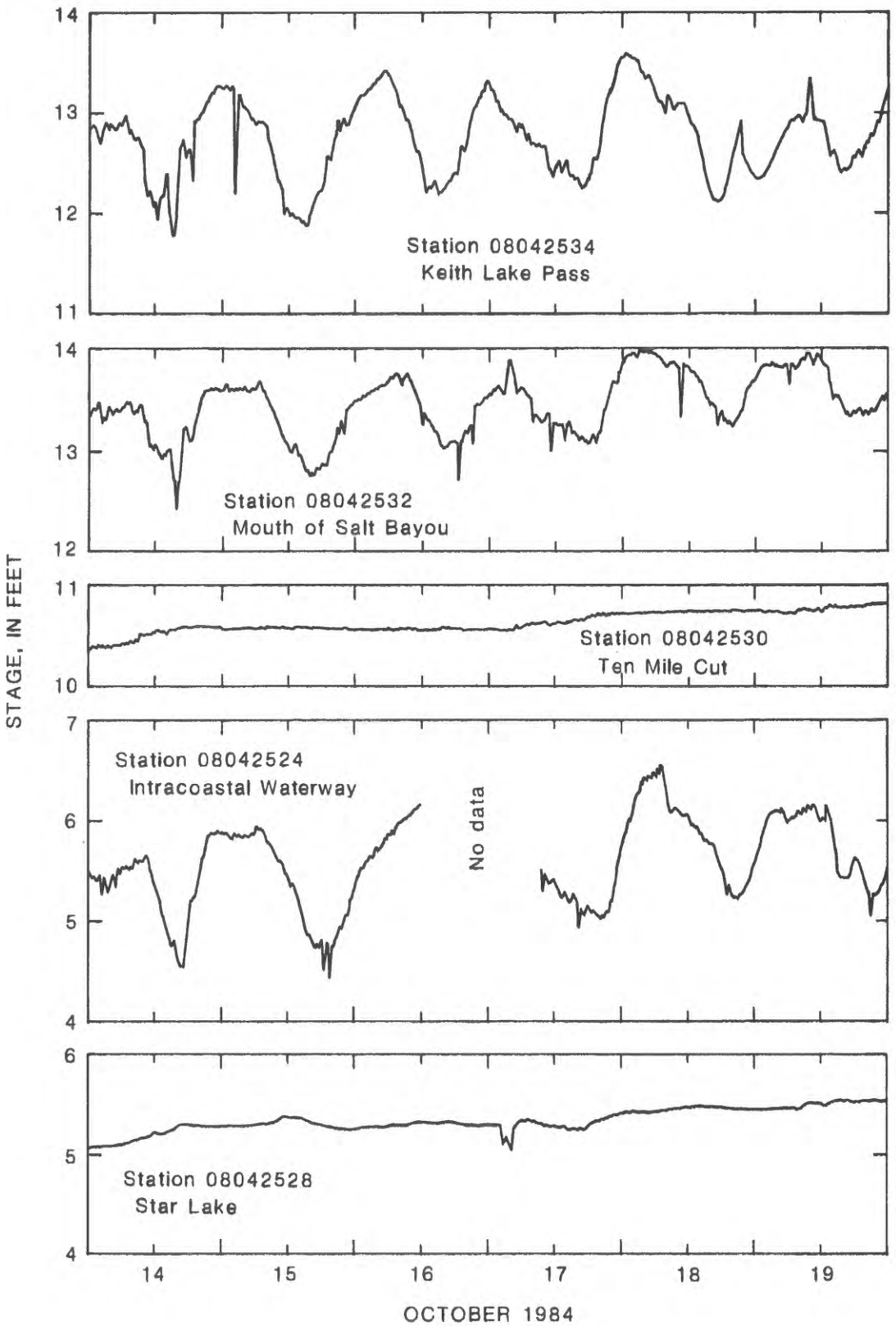


Figure 16a.--Hydrographs of stage during October 14-19, 1984.

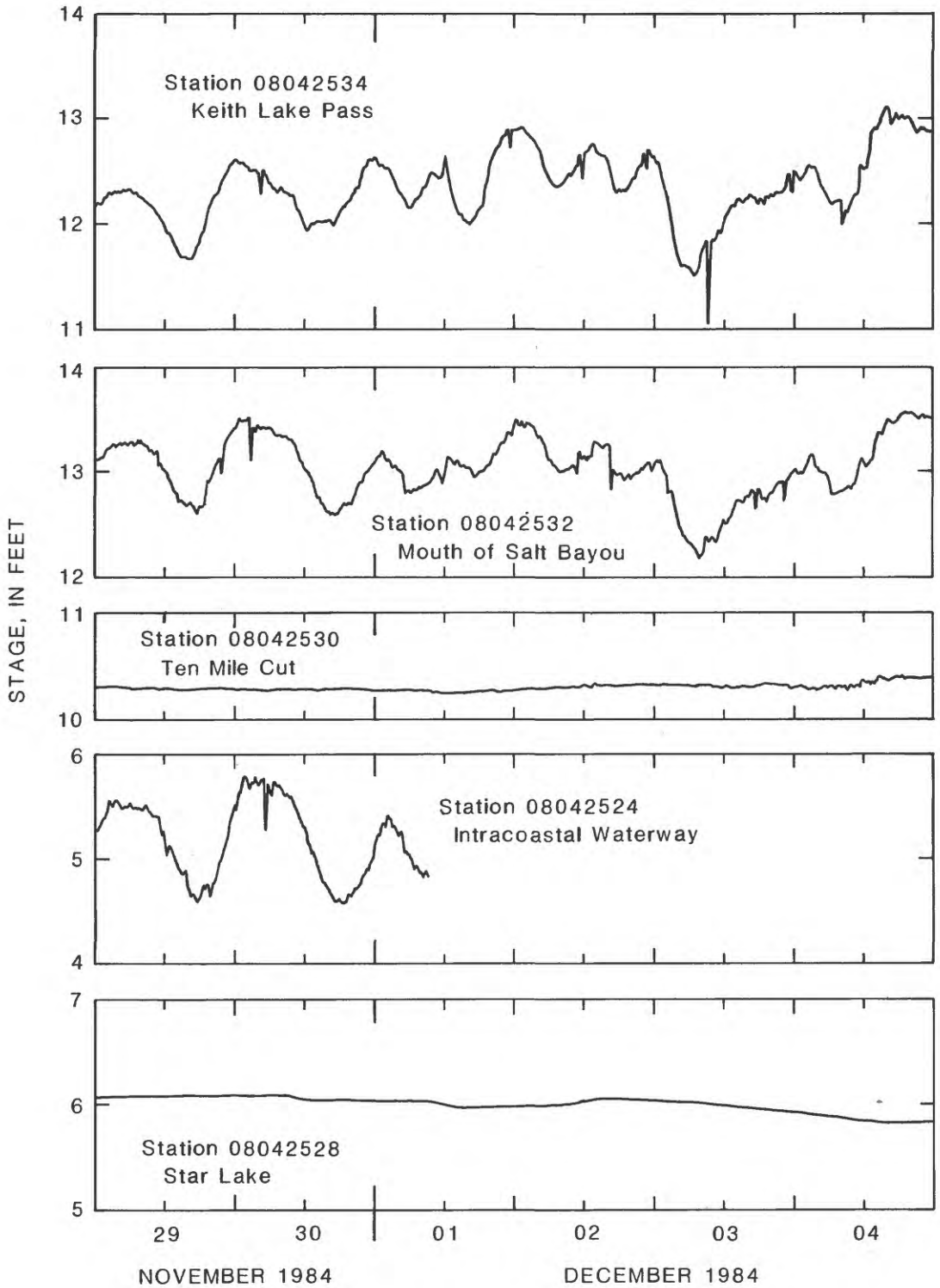


Figure 16b.--Hydrographs of stage during November 29 - December 4, 1984.

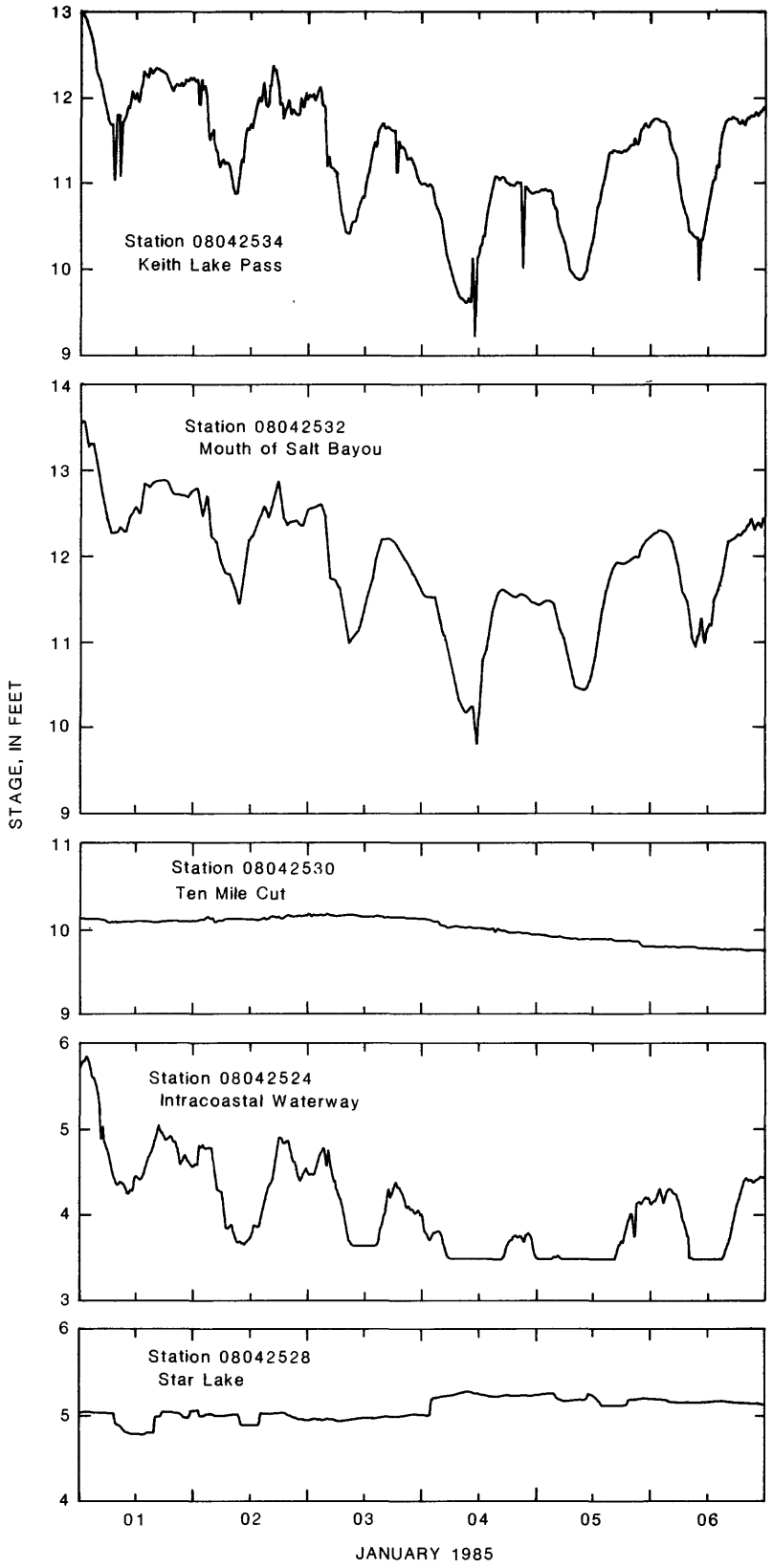


Figure 16c.--Hydrographs of stage during January 1-6, 1985.

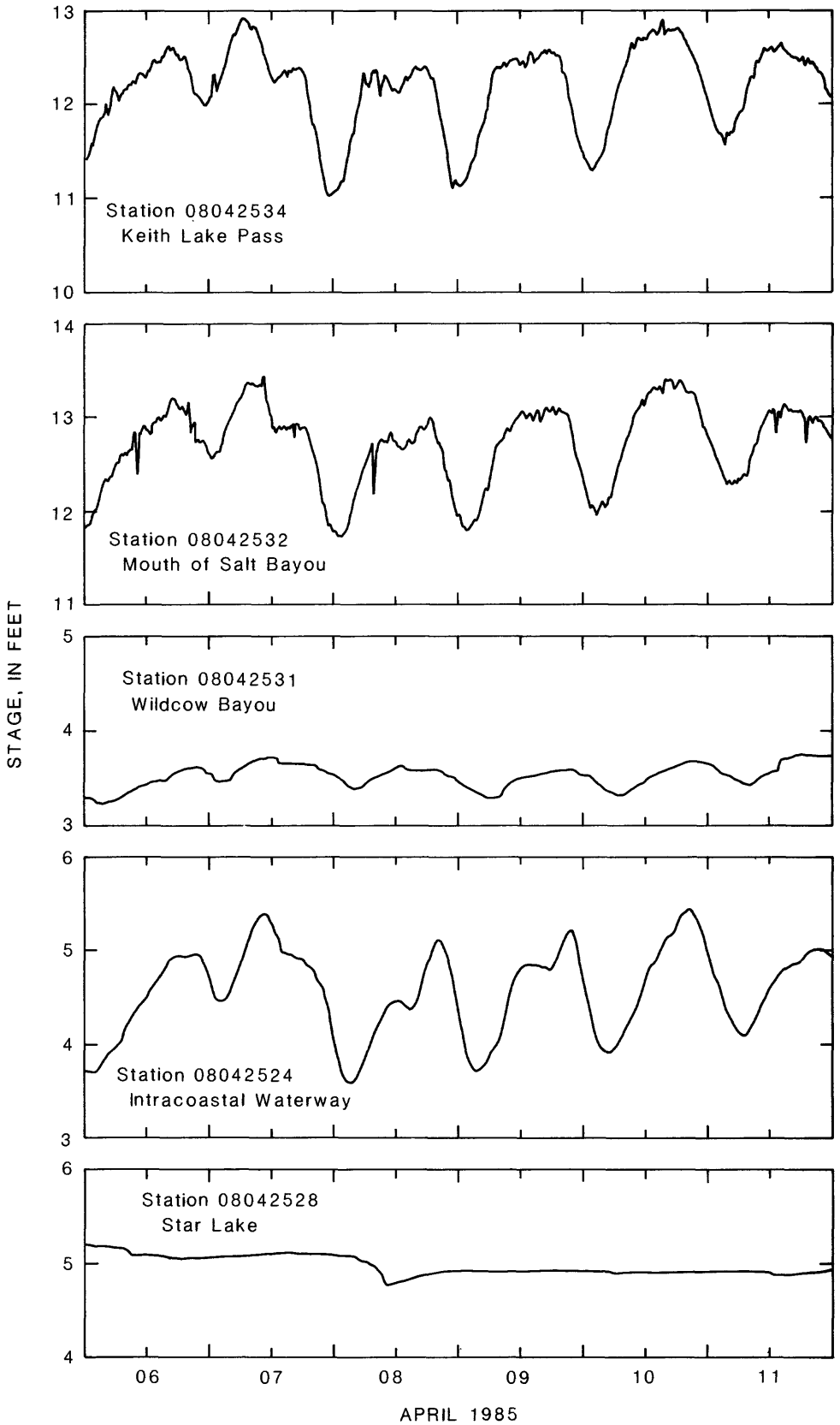


Figure 16d.--Hydrographs of stage during April 6-11, 1985.

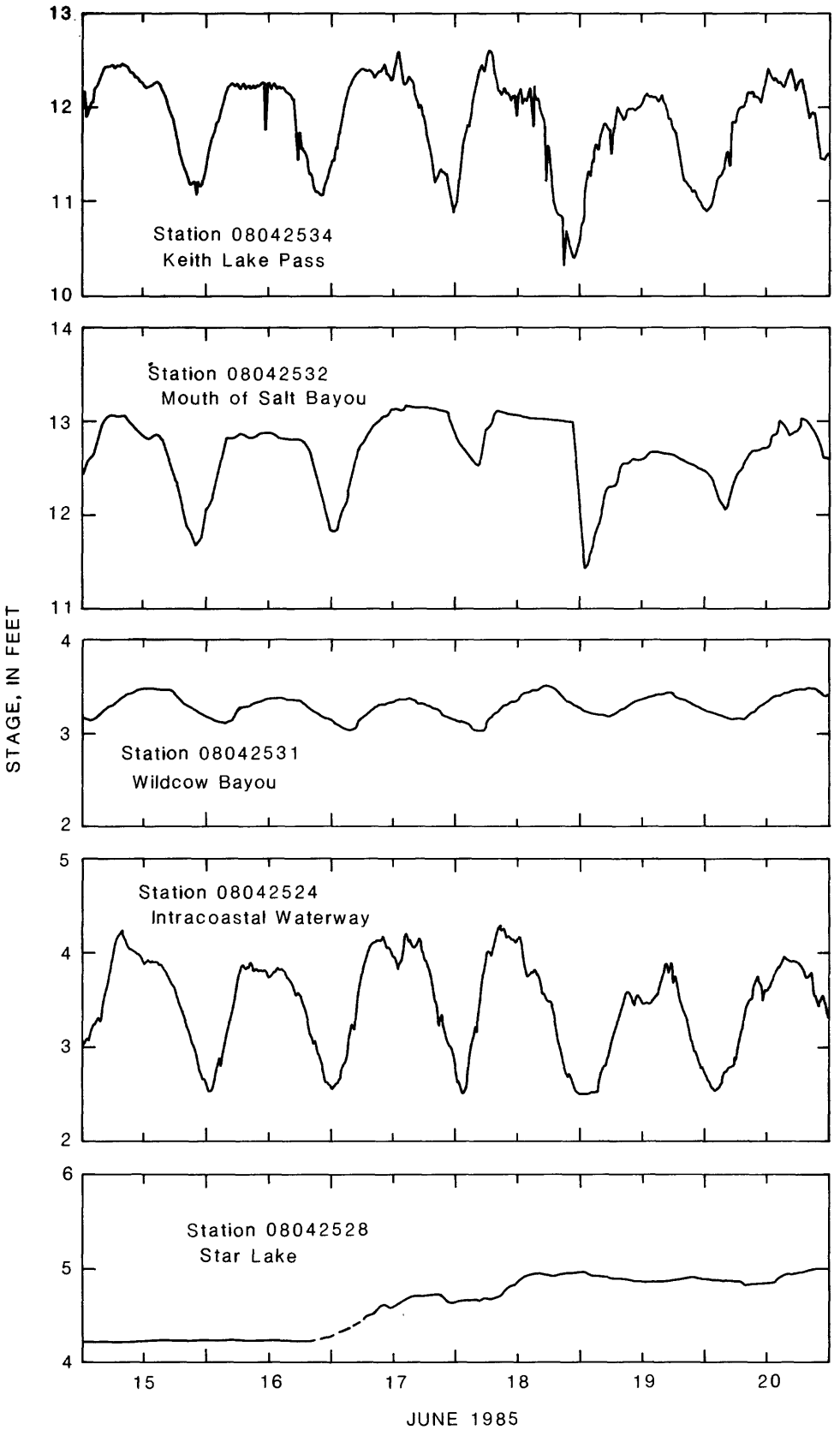


Figure 16e.--Hydrographs of stage during June 15-20, 1985.

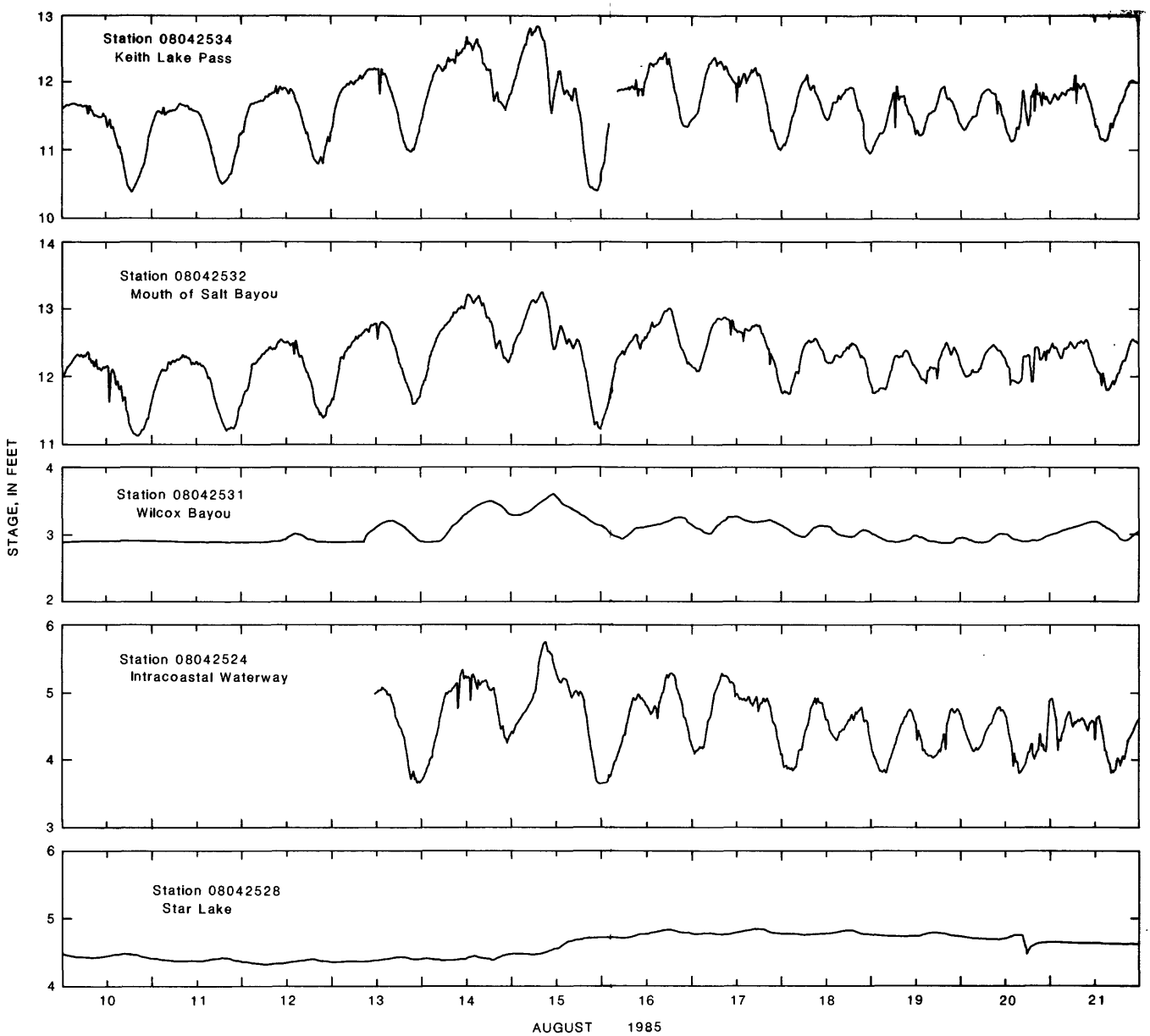


Figure 16f.--Hydrographs of stage during August 10-21, 1985.

Figure 16f.--Hydrographs of stage during August 10-21, 1985.

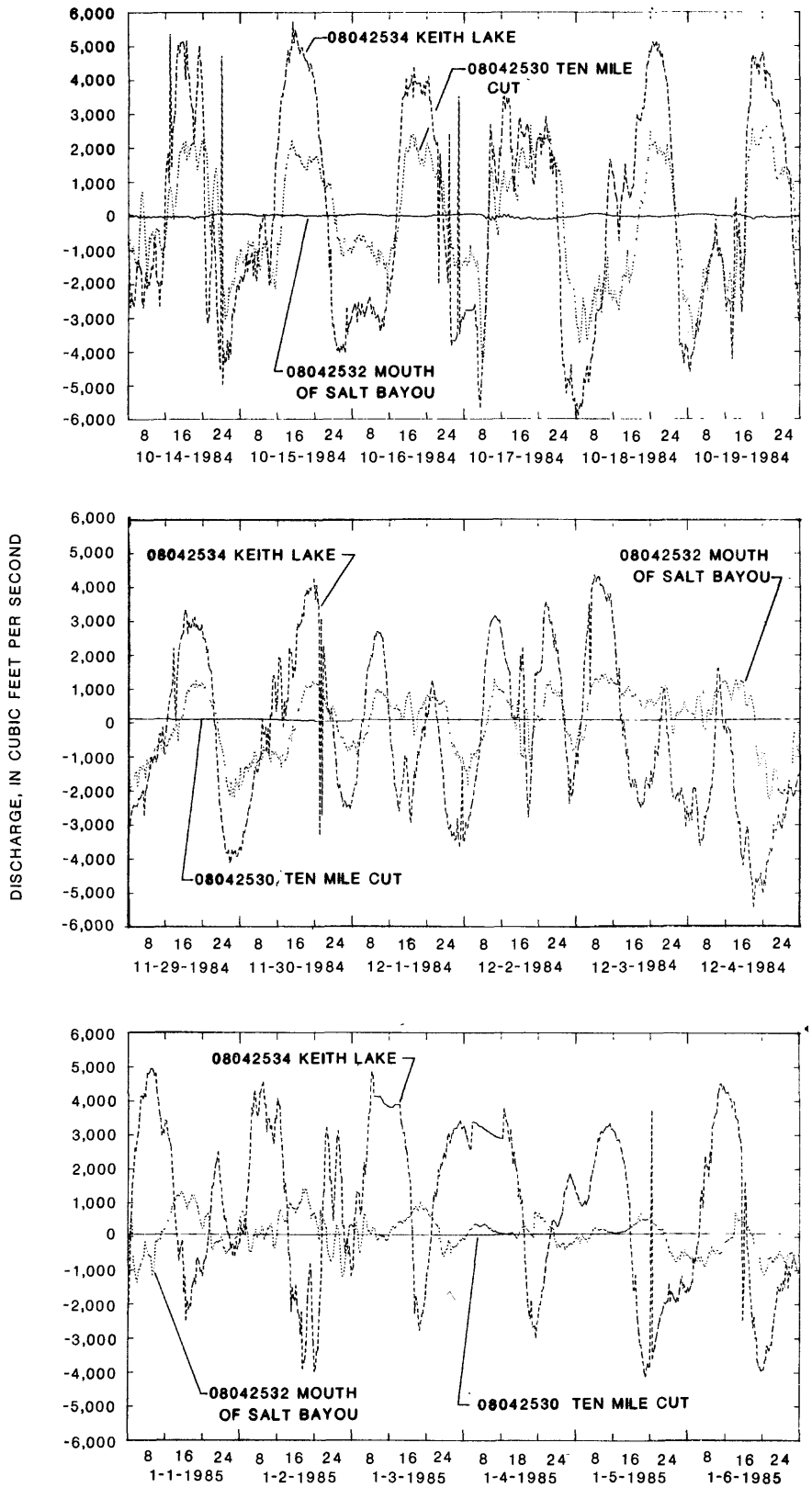


Figure 17.--Hydrographs of flow during six surveys.

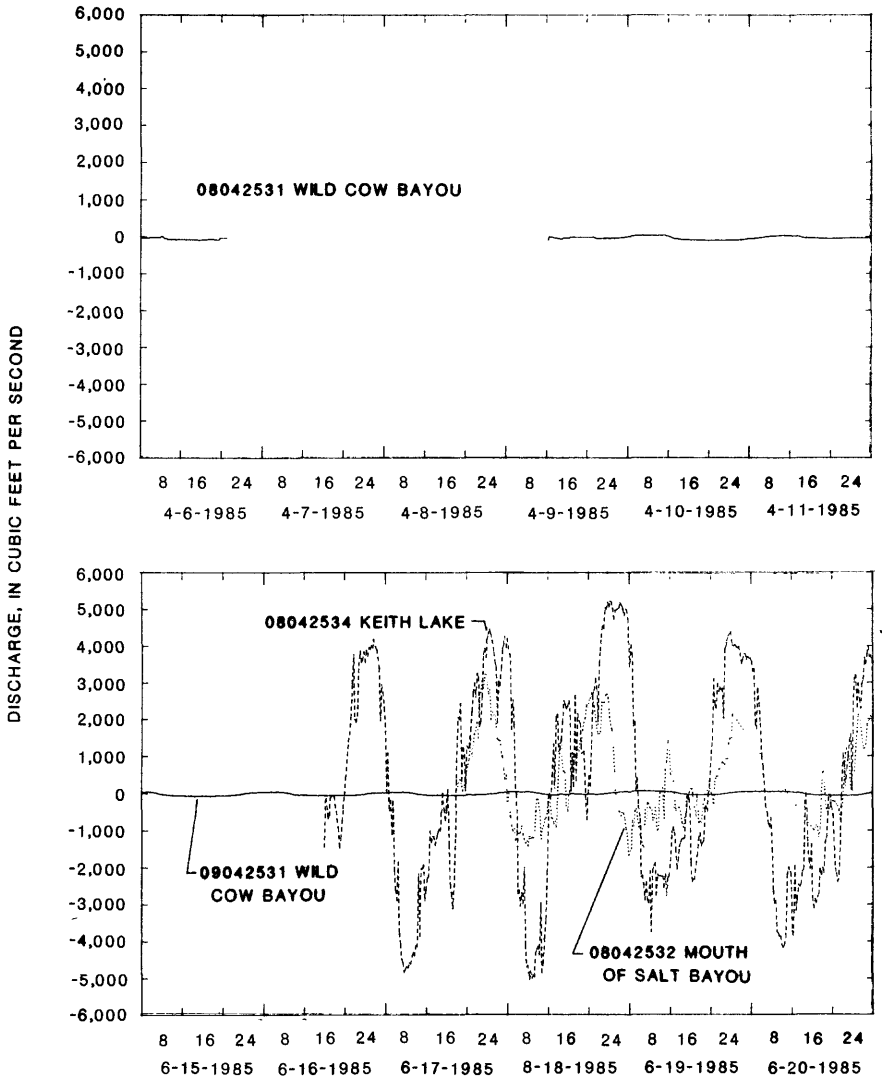


Figure 17.--Continued

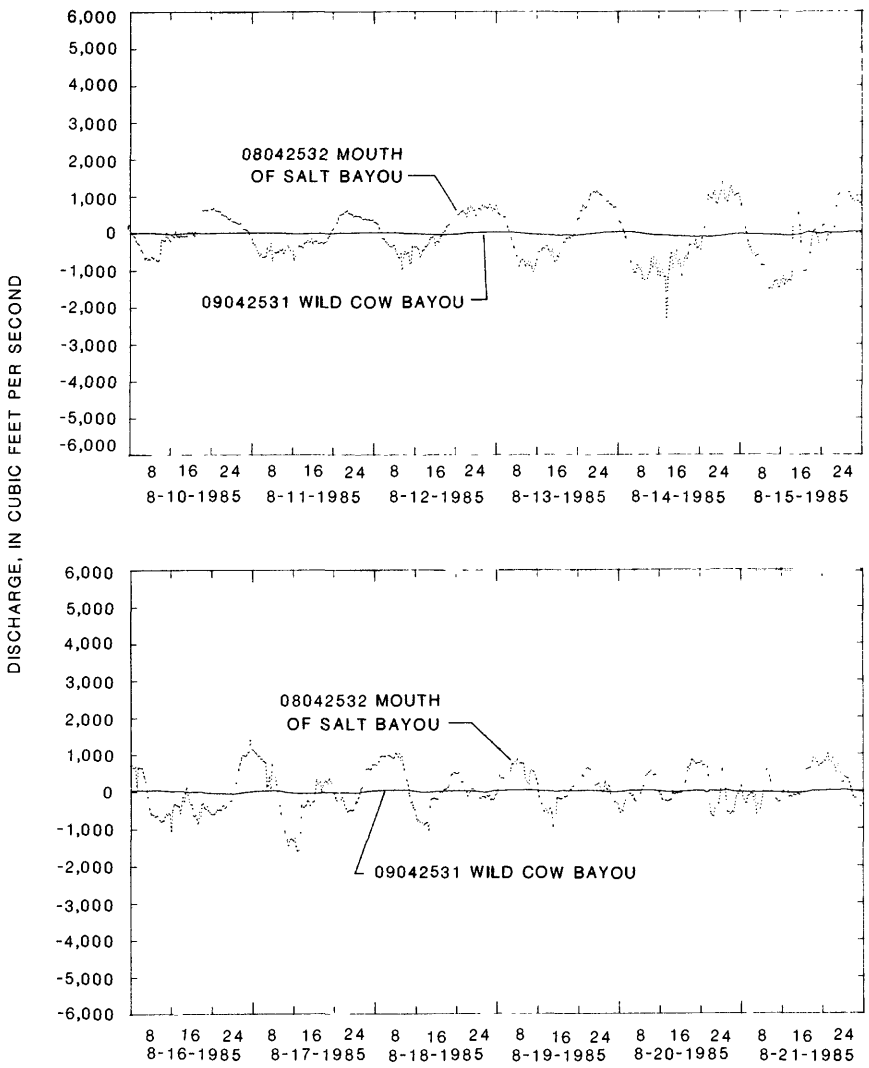


Figure 17.--Continued

the 41 sampling sites were collected. Water temperature and specific conductance (table 7) were measured at several depths. The number of observations made depended on the water depth. Three measurements were obtained when the depth was greater than about 5 ft; one measurement was made when the depth was less than about 3 ft. Sample-line mean specific conductance along the main channel through the estuary is shown in figure 18.

CLIMATOLOGICAL DATA

The primary climatological factors that affect the water budget of an estuary are precipitation, wind speed and direction, and evapotranspiration. Representative data collected by the National Oceanic and Atmospheric Administration, for locations near the Salt Bayou, are included in this report.

Rainfall Data

Rainfall data were obtained from National Weather Service gages located at Anahuac and Port Arthur (WSO AP). Data from a National Oceanic and Atmospheric Administration (NOAA) C-MAN station at Sea Rim State Park headquarters are transmitted to the GOES satellite and were collected at the U.S. Army Corps of Engineers DRGS in Fort Worth. Data available from the C-MAN station included hourly observations of rainfall, air temperature, and wind speed and direction. Daily total rainfall was periodically obtained at McFadden National Wildlife Refuge headquarters. Rainfall data for Anahuac, Port Arthur, and Sea Rim State Park, for the period of the study, are given in table 8.

The National Weather Service recorded 97.07 in. of rain at Port Arthur during the 18-month study period. This exceeds normal rainfall, based on the averaging period of 1951 to 1980, by 21.22 in. At Anahuac, 73.90 in. were recorded for the same period except for the month of August 1985 when the record was missing. This exceeds normal precipitation by 7.24 in.

Based on records at Port Arthur, the normal contribution of freshwater to the estuary from rainfall would be about 375,000 acre-ft. During the study, the contribution was about 479,000 acre-ft.

Evapotranspiration

Evapotranspiration has a significant effect on the water budget of any hydrologic system. Pan evaporation is a satisfactory index of evapotranspiration (Robertson and Holmes, 1956; Hargreaves, 1956). Hargreaves developed the equation:

$$U = k(E+2.70), \qquad (1)$$

where U is monthly evapotranspiration in inches;
k is a monthly consumptive-use coefficient that depends primarily on ground coverage; and
E is monthly pan evaporation.

Data were not obtained to determine the consumptive-use coefficient (k) that would be appropriate to the Salt Bayou estuary. Hargreaves (1956) found the seasonal value of k to be 0.25 for pastureland at Davis, California, and 0.70 for sugar cane in the Caribbean area. The k value for Salt Bayou would be within that range.

Monthly evapotranspiration was not calculated using the pan evaporation method. Monthly pan evaporation and wind-run data collected by the National

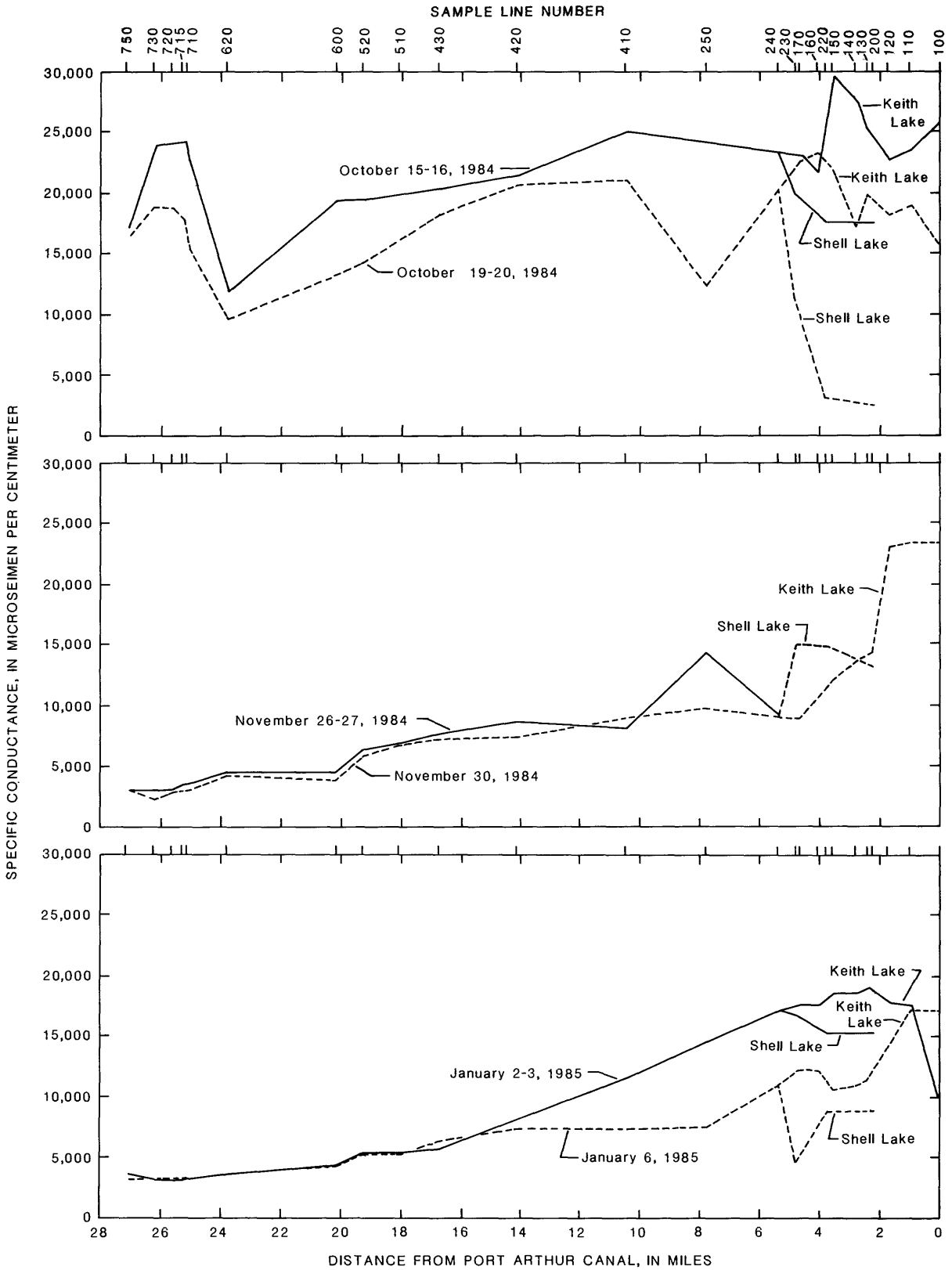


Figure 18.--Diagram showing mean specific conductance values of field observations along the main channel.

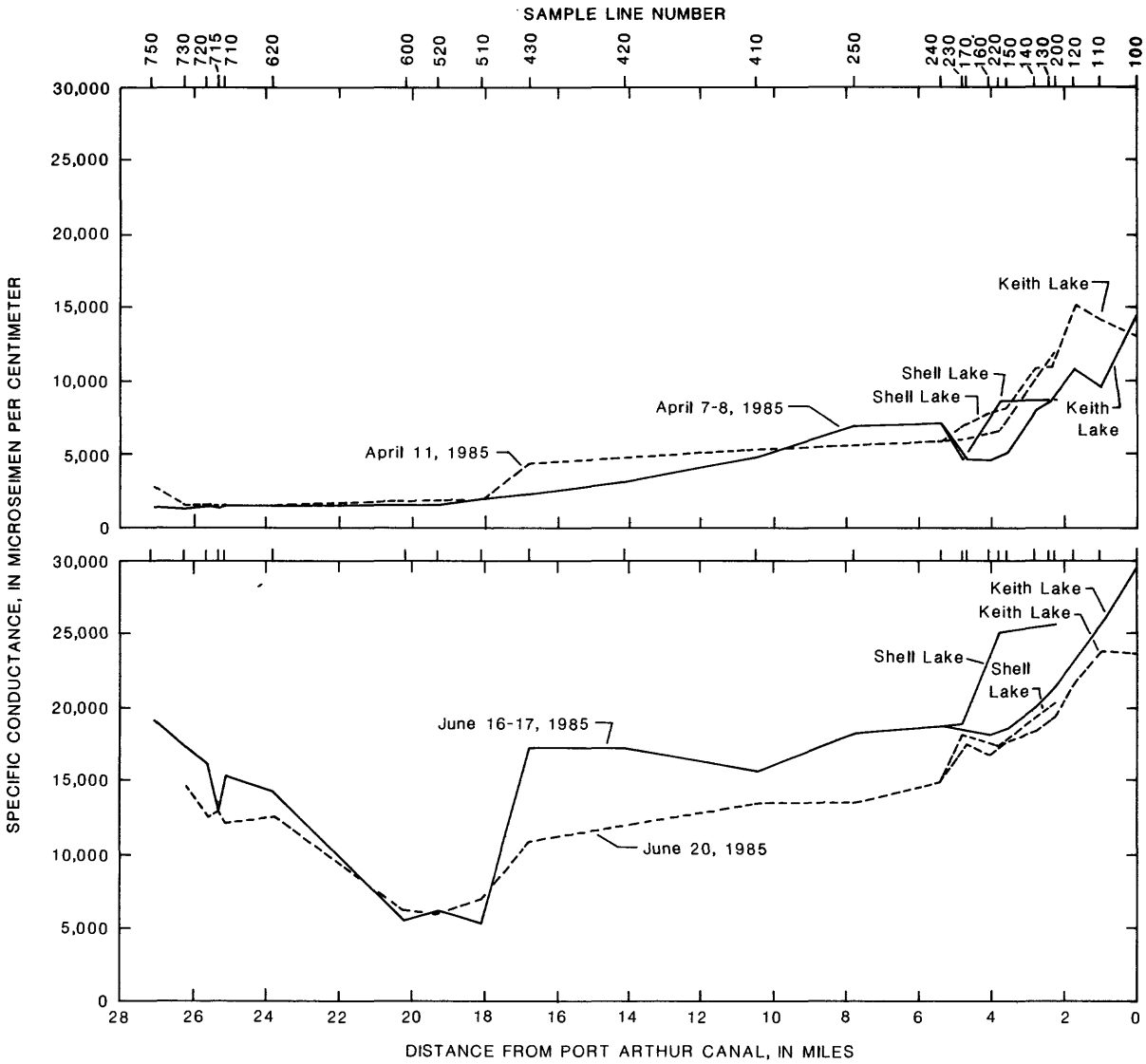


Figure 18.--Continued

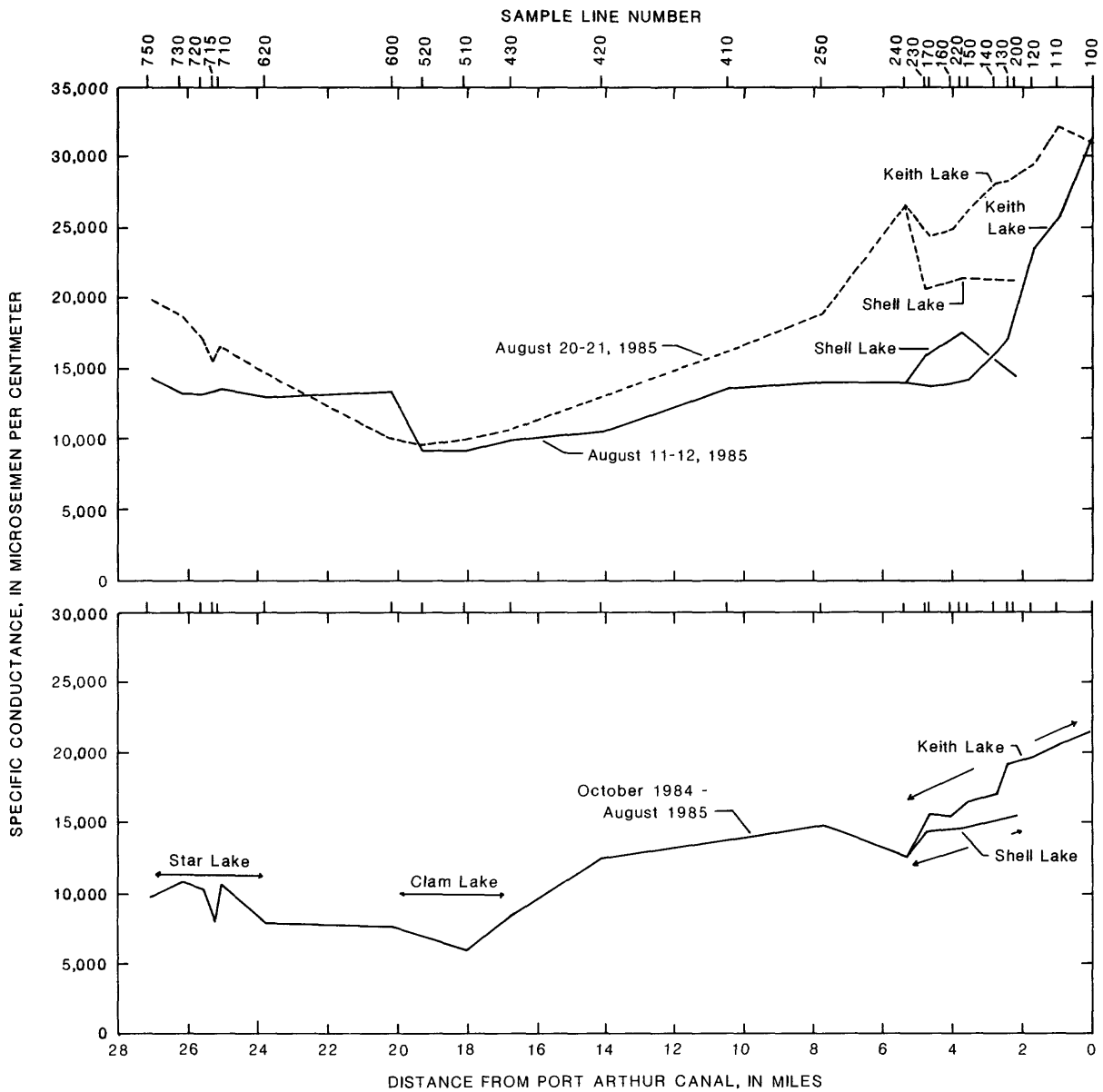


Figure 18.--Continued

page 33 follows

Weather Service at the Beaumont Research Center are given in table 9.

The Thornthwaite (Thornthwaite, Wilm, and others, 1944) equation:

$$U = 1.6(10t/TE)^a, \quad (2)$$

where U = evapotranspiration in centimeters;
a = $0.000000675(TE)^3-0.0000771(TE)^2+0.01792TE+0.49239$; and
TE = Thornthwaite's temperature-efficiency index, being equal to the sum of 12 monthly values of heat index

$$i = (t/5)^{1.514},$$

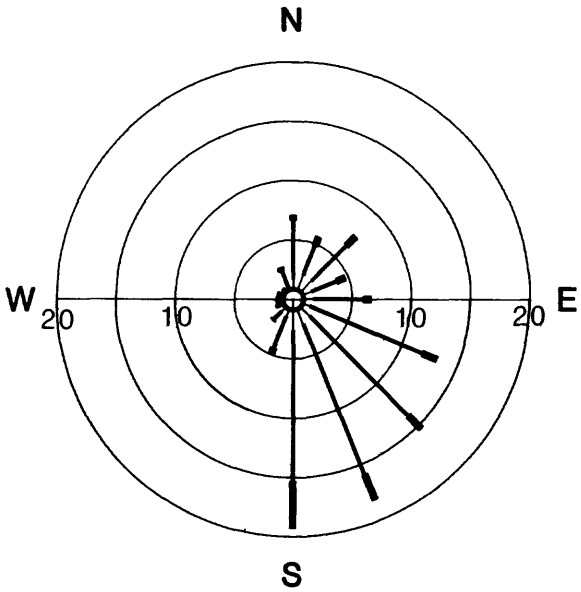
where t is mean monthly temperature in degrees Celsius.

Daily mean air temperature at Sea Rim State Park is given in table 10. Using temperature data at Sea Rim State Park for January to December 1985, the value of TE is about 99.708, and the value of a is about 2.1817. Using these values, consumption due to evapotranspiration equates to about 250,000 acre-ft for the 18-month study period.

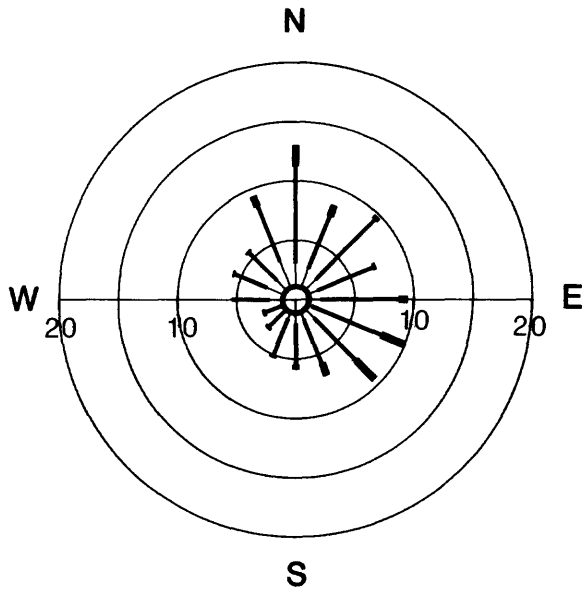
Wind Speed and Direction Data

Wind has a significant effect on water stage. The "pileup" effect of wind is inversely proportional to the depth of the water. Because of the orientation of the estuary and because the water is of shallow depth, winds will have a significant piling effect on the water stages (Fairbridge, 1966) in the Salt Bayou estuary. Westerly to northerly winds cause an increased elevation of the water surface along the eastern end of Keith and Shell Lakes. This pileup of water along the eastern shore causes greater flow out through Keith Lake Pass into the Port Arthur Canal. Winds from the southeast quadrant cause water to enter the marsh from the Port Arthur Canal but to a lesser extent than the dewatering caused by northerly and westerly winds, because the Port Arthur Canal is much deeper and the pileup effect is not as pronounced.

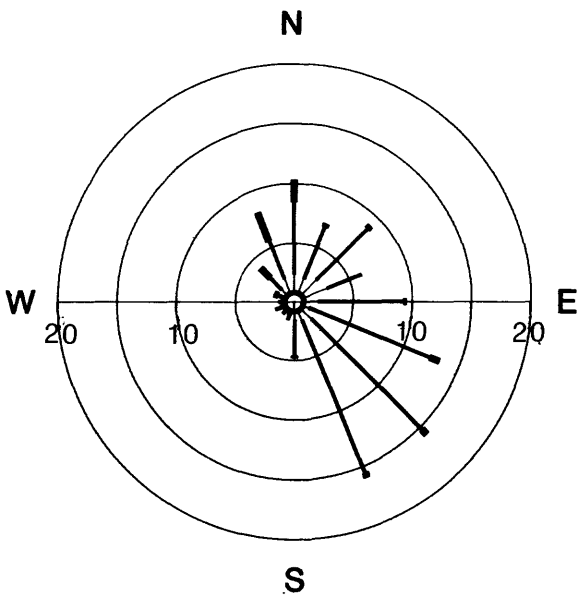
Wind-speed and direction data transmitted by the Sabine C-MAN station at Sea Rim State Park were used to develop the wind diagrams shown in figure 19. The diagrams show an anomalous northerly component. In a verbal communication with NOAA personnel it was determined that the anomaly is caused by instrument failure. When the equipment fails, it does so to a northerly indication. The data set contains many 0° and 360° direction values that are not valid. An attempt was made to compensate by removing all 0° readings. The diagrams shown in figure 19 have the 0° readings removed.



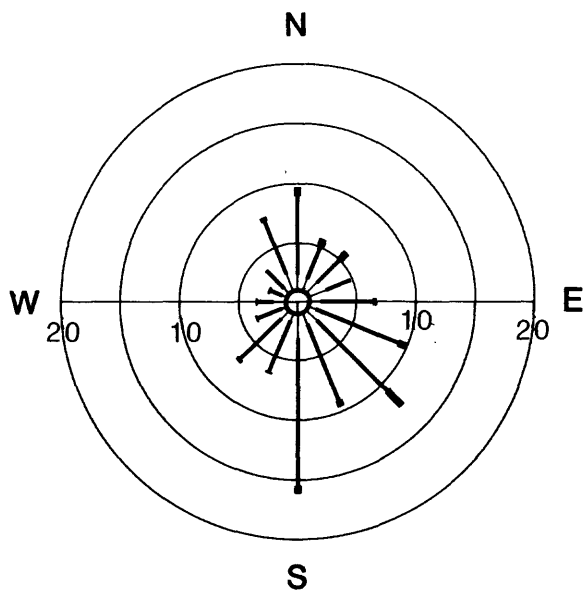
October 1 -
December 31, 1984



January 1 -
March 31, 1985

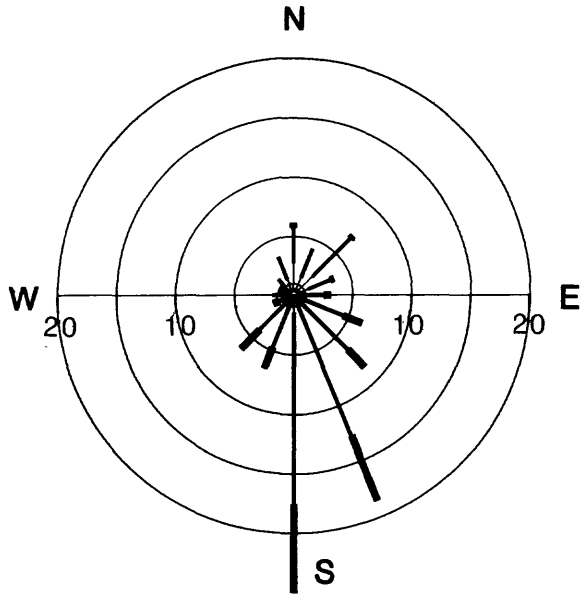


October 1 -
December 31, 1985

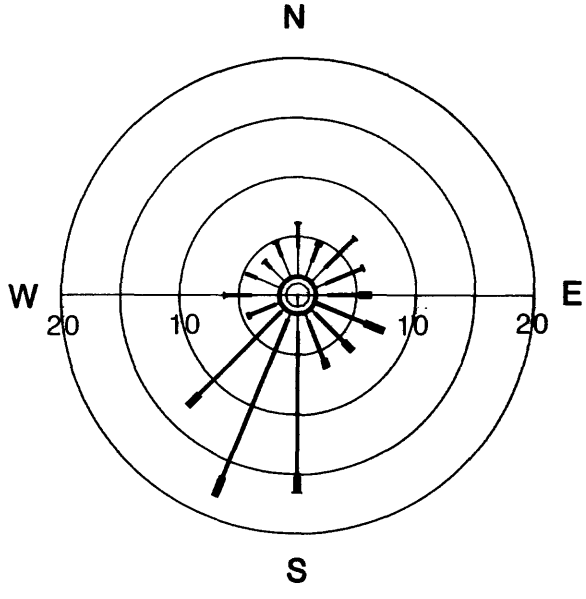


January 1 -
March 31, 1985

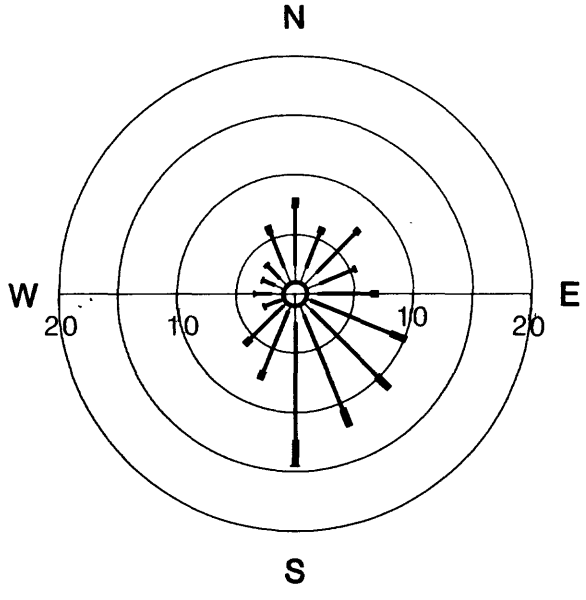
Figure 19.--Wind diagrams showing speed and direction at Sabine Coastal



April 1 -
June 30, 1985

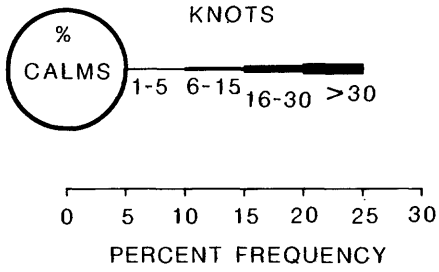


July 1 -
September 30, 1985



October 1, 1984 -
March 31, 1986

EXPLANATION



SOURCE: Data transmitted by the Sabine Coastal Marine Automated Network Data Buoy. Located at Sea Rim State Park and operated by National Oceanic and Atmospheric Administration.

Marine Automated Network Data Buoy.

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SUPPLEMENTAL DATA

Table 1.--Area of selected surface water features of the Salt Bayou estuary

Area	Square miles
Total Area	92.6
Marsh Area	70.8
Keith Lake	3.15
Mud Lake	.99
Knight Lake	.70
Salt Lake	1.32
Fence Lake	.42
Shell Lake	1.55
Willow Lake	.29
Burnett Lake	.18
Clam Lake	1.66
Star Lake	.59
Dipping Vat Ponds	.03
Wiseman Lake	.03
An unnamed lake	.19
Tributary to Star Lake	.40
Five Mile Cut channel	.10
Ten Mile Cut channel	.25
Wildcow Bayou channel	.02
Approximately 129 miles of 6 to 8 feet wide dredged channels and intermittent streams	.17
Sum of open water within marsh areas not included features above	1.10

Table 2a.--Daily maximum, minimum, and mean gage height at station 08042534, Keith Lake Pass, October 1984 to March 1986

[in feet]

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1984			November			December			January 1985		
1	13.23	11.87	12.66	13.61	12.13	12.71	12.90	11.98	12.39	13.01	11.01	12.15
2	13.37	12.06	12.80	12.86	12.30	12.71	12.92	12.29	12.57	12.38	10.85	11.72
3	13.35	12.16	12.84	13.05	12.32	12.75	12.66	11.02	12.07	12.14	10.41	11.27
4	13.53	12.69	13.18	12.63	11.39	12.14	13.11	11.99	12.64	11.08	9.22	10.54
5	13.83	12.56	13.46	12.61	11.25	12.20	12.98	11.76	12.38	11.71	9.86	10.85
6	13.78	12.73	13.42	13.16	12.01	12.74	11.81	10.34	11.22	11.88	9.88	11.32
7	13.70	12.96	13.39	13.26	12.01	12.85	12.25	10.73	11.66	11.87	9.45	11.05
8	13.75	12.95	13.36	13.26	12.13	12.83	12.28	10.66	11.62	12.01	10.09	11.29
9	14.07	13.06	13.50	13.16	11.92	12.69	12.29	10.80	11.72	12.51	11.22	12.03
10	13.89	12.00	12.99	12.97	11.31	11.95	12.22	10.49	11.60	12.56	10.96	11.82
11	12.69	11.74	12.33	12.26	10.56	11.43	12.33	10.45	11.74	11.78	10.47	11.21
12	12.73	11.78	12.43	12.37	10.98	11.84	12.48	11.09	11.95	11.75	10.90	11.25
13	12.86	11.50	12.36	12.59	11.36	12.11	12.90	11.07	12.36	12.32	11.00	11.87
14	13.25	11.77	12.67	12.78	11.60	12.35	12.87	11.59	12.28	12.26	11.00	11.88
15	13.25	11.85	12.59	12.86	11.41	12.30	12.92	12.05	12.46	12.32	10.59	11.56
16	13.40	12.15	12.85	12.54	11.14	12.01	12.83	11.81	12.39	12.67	11.41	12.15
17	13.53	12.22	12.75	12.91	12.22	12.57	12.53	11.63	12.13	12.08	10.37	11.30
18	13.59	12.10	12.88	13.27	11.86	12.68	12.48	11.35	12.13	11.81	10.15	11.16
19	13.34	12.31	12.72	12.56	11.20	11.72	12.57	11.00	11.90	12.21	10.30	11.39
20	13.62	12.93	13.38	12.90	10.85	11.66	12.67	11.08	12.08	12.27	9.35	10.90
21	13.96	12.67	13.41	12.67	10.68	11.66	12.74	11.07	12.24	11.47	9.80	10.92
22	13.62	12.39	12.92	12.34	10.16	11.85	12.60	10.89	11.88	11.52	9.74	10.94
23	13.67	12.46	12.92	12.46	10.96	11.98	12.54	10.73	11.84	11.69	9.97	11.21
24	13.29	12.15	12.68	12.75	10.82	12.05	12.73	11.00	12.22	11.93	10.45	11.38
25	13.52	12.67	13.09	12.87	11.07	12.07	12.68	10.94	11.94	11.65	10.02	11.27
26	13.45	12.24	12.82	13.05	11.17	12.21	12.46	11.07	12.01	11.99	10.87	11.32
27	13.04	11.82	12.41	13.14	10.35	11.63	12.66	11.45	12.37	12.60	11.68	12.08
28	13.08	11.86	12.55	12.18	10.24	11.18	12.70	11.94	12.39	11.68	10.60	11.25
29	13.28	11.98	12.67	12.59	11.65	12.12	12.68	12.01	12.37	12.43	10.95	11.78
30	13.24	11.48	12.69	12.63	11.91	12.28	12.64	12.00	12.35	12.46	11.07	12.10
31	13.40	12.34	12.84	---	---	---	13.30	12.10	12.66	12.20	11.33	11.81
Month	14.07	11.48	12.89	13.61	10.16	12.18	13.30	10.34	12.11	13.01	9.22	11.44

Table 2a.--Daily maximum, minimum, and mean gage height at station 08042534, Keith Lake Pass, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1985			March			April			May		
1	11.95	10.39	11.28	12.50	11.00	12.06	12.38	10.85	11.70	12.35	11.33	11.81
2	11.48	9.98	10.89	12.43	11.27	11.95	12.11	10.33	11.20	11.92	10.49	11.28
3	12.01	10.26	11.25	13.05	11.00	12.21	11.98	10.75	11.53	11.64	10.64	11.22
4	12.52	10.72	11.79	13.03	11.83	12.36	12.43	11.38	11.95	12.31	10.50	11.71
5	12.58	10.90	11.75	12.68	11.10	12.00	12.70	11.19	12.09	12.43	10.87	11.92
6	11.95	10.39	11.37	12.66	11.05	12.13	12.62	11.37	12.18	12.55	11.01	12.06
7	12.13	10.73	11.59	12.76	11.59	12.24	12.92	11.00	12.26	12.62	10.85	11.98
8	12.17	11.17	11.80	12.66	11.43	12.03	12.40	11.05	11.94	12.30	10.64	11.73
9	12.70	11.97	12.34	12.49	11.23	11.99	12.59	11.10	12.12	12.26	10.58	11.66
10	12.79	11.86	12.21	12.30	11.23	11.84	12.89	11.27	12.30	12.18	10.87	11.70
11	11.99	9.26	10.58	12.66	11.14	11.95	12.63	11.47	12.23	12.35	10.99	11.90
12	11.12	8.36	10.01	12.42	11.00	11.88	12.65	11.39	12.21	12.46	11.47	12.08
13	11.72	10.20	11.09	12.20	10.80	11.77	12.80	11.67	12.42	12.96	11.83	12.46
14	11.75	10.17	11.13	12.32	10.84	11.68	12.78	11.86	12.37	12.67	11.84	12.32
15	11.35	10.00	10.63	12.36	10.97	11.74	12.43	11.46	11.95	12.21	11.26	11.81
16	12.36	10.54	11.46	12.68	11.09	12.18	12.13	11.06	11.55	12.13	11.19	11.72
17	12.36	10.92	11.75	12.28	10.96	11.71	11.91	10.97	11.52	11.86	10.77	11.41
18	12.07	10.74	11.49	12.45	11.15	11.92	12.22	11.46	11.92	12.30	11.00	11.74
19	11.94	10.67	11.48	12.75	11.03	12.30	12.50	11.35	12.05	12.44	11.18	12.03
20	12.09	10.82	11.63	13.14	12.57	12.82	12.59	11.28	12.12	12.44	11.18	11.98
21	12.46	10.95	12.03	12.87	11.12	11.99	12.80	11.91	12.44	12.88	11.03	12.02
22	12.52	11.52	12.21	12.29	10.87	11.83	13.05	12.01	12.69	12.52	10.87	11.93
23	12.99	12.13	12.53	12.57	11.51	12.12	13.02	11.66	12.50	12.66	10.97	11.91
24	12.44	11.79	12.16	12.23	11.05	11.83	12.65	11.18	12.16	12.38	11.03	11.92
25	12.37	11.93	12.22	12.09	11.12	11.71	12.46	11.15	12.03	12.38	11.06	11.91
26	12.34	11.62	12.08	12.54	10.97	12.11	13.07	11.54	12.54	12.38	11.24	11.91
27	12.19	11.02	11.80	12.83	11.85	12.42	12.95	11.93	12.48	12.36	11.33	11.94
28	12.65	11.01	12.00	12.89	11.72	12.42	12.74	11.75	12.24	12.47	11.44	12.03
29	---	---	---	12.84	11.61	12.40	12.45	11.34	11.99	12.50	11.66	12.05
30	---	---	---	13.25	11.90	12.57	12.30	11.30	11.88	12.45	11.37	12.05
31	---	---	---	12.23	10.66	11.64	---	---	---	12.60	10.98	11.94
Month	12.99	8.36	11.59	13.25	10.66	12.06	13.07	10.33	12.09	12.96	10.49	11.88

Table 2a.--Daily maximum, minimum, and mean gage height at station 08042534, Keith Lake Pass, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	June 1985			July			August			September		
1	12.33	10.58	11.72	12.06	10.25	11.50	11.61	10.07	11.16	13.17	12.44	12.86
2	12.29	10.47	11.75	12.00	10.23	11.43	12.32	10.08	11.18	12.74	11.80	12.30
3	12.30	10.62	11.80	11.98	10.06	11.28	11.87	10.31	11.41	12.74	11.38	11.97
4	12.50	10.82	11.93	12.26	10.18	11.53	12.03	10.83	11.61	13.06	12.29	12.68
5	12.50	10.87	11.96	12.33	10.93	11.83	12.09	11.20	11.63	13.04	11.92	12.55
6	12.30	10.93	11.84	11.99	10.75	11.55	11.91	11.29	11.60	12.92	11.67	12.34
7	12.09	10.56	11.63	12.09	10.79	11.66	12.18	10.92	11.45	12.64	11.35	12.12
8	11.81	10.80	11.42	11.98	11.30	11.64	11.80	10.92	11.41	12.48	11.26	12.01
9	11.69	10.90	11.37	11.76	11.17	11.42	11.78	10.71	11.35	12.54	11.22	12.05
10	11.93	11.19	11.60	11.64	10.72	11.27	11.68	10.37	11.23	12.70	11.52	12.22
11	12.23	11.21	11.72	11.70	10.33	11.19	11.66	10.49	11.26	12.78	11.51	12.32
12	11.86	11.07	11.54	11.83	10.71	11.39	11.97	10.77	11.50	12.72	11.34	12.27
13	12.06	11.33	11.72	12.02	10.86	11.57	12.22	10.96	11.75	12.50	11.31	12.10
14	12.46	11.46	12.12	12.02	10.57	11.53	12.68	11.44	12.14	12.91	11.58	12.33
15	12.47	11.05	12.01	11.92	10.35	11.39	12.84	10.39	11.84	13.38	12.20	12.97
16	12.27	11.05	11.89	11.79	10.17	11.31	12.45	10.62	11.84	13.09	12.22	12.79
17	12.62	10.86	11.99	11.84	10.16	11.33	12.38	11.00	11.92	13.14	12.14	12.74
18	12.61	10.33	11.73	12.30	10.39	11.63	12.12	10.97	11.63	13.14	12.05	12.81
19	12.14	10.76	11.66	12.52	10.89	11.83	11.95	10.93	11.53	13.31	12.24	12.90
20	12.43	10.90	11.88	12.13	10.72	11.63	11.98	11.07	11.58	13.37	12.08	12.83
21	13.00	11.32	12.36	11.99	10.71	11.62	12.11	11.12	11.70	13.34	12.27	12.93
22	12.91	11.80	12.44	11.95	10.92	11.54	12.11	10.96	11.72	13.46	12.32	13.00
23	12.54	11.29	12.16	11.86	10.93	11.42	12.26	10.95	11.76	13.27	11.64	12.58
24	12.28	11.51	11.98	12.21	11.12	11.64	12.29	10.61	11.78	12.54	11.38	12.11
25	12.37	11.66	11.99	12.04	10.83	11.60	12.36	10.89	11.79	12.73	11.66	12.31
26	12.27	11.46	11.91	11.91	10.24	11.31	12.45	10.87	11.91	12.40	11.19	11.88
27	12.24	10.87	11.68	11.84	10.41	11.31	13.01	11.51	12.34	12.58	11.59	12.11
28	11.89	10.59	11.39	12.09	10.44	11.48	12.93	11.61	12.51	12.67	11.98	12.39
29	12.07	10.79	11.53	11.96	10.20	11.43	12.83	11.56	12.41	13.17	12.18	12.68
30	12.18	10.39	11.57	11.93	10.26	11.39	12.91	11.58	12.47	12.77	11.53	12.12
31	---	---	---	11.82	10.10	11.25	13.10	12.05	12.70	---	---	---
Month	13.00	10.33	11.81	12.52	10.06	11.48	13.10	10.07	11.75	13.46	11.19	12.44

Table 2a.--Daily maximum, minimum, and mean gage height at station 08042534, Keith Lake Pass, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1985			November			December			January 1986		
1	12.40	11.24	11.89	12.76	11.09	11.92	13.18	11.12	12.20	11.92	10.90	11.49
2	12.61	11.67	12.23	13.11	11.65	12.49	12.17	10.46	11.39	12.19	11.40	11.83
3	12.62	11.69	12.29	12.91	11.35	12.09	12.75	11.57	12.18	12.28	11.48	11.86
4	12.70	11.58	12.22	12.45	11.28	11.88	12.78	11.71	12.30	12.18	11.15	11.85
5	12.42	10.76	11.38	12.35	11.15	11.85	12.62	10.94	11.60	11.89	9.99	11.01
6	12.16	11.19	11.77	12.40	11.28	11.93	12.24	11.19	11.69	12.64	10.37	11.87
7	12.48	11.51	12.09	12.26	11.15	11.74	12.49	11.65	12.07	12.62	11.20	11.88
8	12.97	11.79	12.41	12.70	11.80	12.09	12.49	11.36	12.07	12.34	10.71	11.65
9	12.71	11.53	12.26	12.73	12.05	12.40	12.69	11.13	12.14	12.43	10.49	11.70
10	12.74	11.23	12.37	12.78	11.63	12.21	12.94	11.33	12.33	12.41	10.22	11.50
11	12.59	11.66	12.28	12.72	11.38	12.28	12.92	11.25	12.30	12.25	10.19	11.38
12	12.67	11.77	12.29	12.65	11.05	12.12	12.67	10.92	12.01	12.28	10.58	11.57
13	12.71	11.74	12.31	12.70	10.86	12.23	12.62	10.11	11.22	11.71	10.12	11.14
14	12.94	11.76	12.41	12.70	10.93	12.12	11.87	9.46	10.89	11.62	10.50	11.21
15	12.65	11.27	12.24	12.73	11.01	12.05	12.19	10.83	11.69	11.65	10.81	11.35
16	12.58	11.19	12.09	12.81	10.86	11.92	12.21	10.75	11.61	12.02	11.41	11.69
17	12.90	11.45	12.36	12.65	11.35	12.23	12.15	11.01	11.70	12.29	11.53	11.95
18	13.19	11.86	12.68	12.88	11.70	12.31	12.14	11.11	11.81	12.08	11.38	11.79
19	13.09	11.86	12.56	13.22	11.75	12.42	12.30	11.32	11.80	11.91	10.96	11.53
20	13.01	11.71	12.48	13.06	11.64	11.97	12.25	11.38	11.63	11.99	10.76	11.50
21	12.90	11.74	12.48	12.48	11.65	12.06	11.93	11.10	11.64	11.91	10.78	11.49
22	12.96	11.92	12.55	12.82	11.29	12.32	12.17	10.98	11.69	11.82	10.38	11.31
23	13.07	12.19	12.73	13.07	12.45	12.80	12.14	10.92	11.66	11.97	10.26	11.23
24	13.02	12.30	12.69	12.84	11.66	12.20	12.13	10.71	11.54	12.39	10.56	11.77
25	13.03	12.27	12.74	12.77	11.25	12.21	11.37	9.83	10.81	12.51	10.83	11.74
26	13.28	12.46	12.98	12.92	11.17	12.50	12.03	10.16	11.27	11.85	8.67	10.48
27	13.23	11.42	12.54	12.99	11.58	12.48	12.14	10.45	11.64	10.79	8.60	9.91
28	11.65	9.73	10.96	13.04	11.43	12.36	11.89	10.34	11.24	11.50	10.28	11.07
29	11.77	10.60	11.23	12.82	11.42	12.25	11.95	10.05	11.34	11.53	10.51	11.12
30	10.88	9.50	10.42	13.02	11.67	12.43	12.32	10.84	11.85	11.71	10.53	11.21
31	11.80	9.32	10.55	---	---	---	12.49	11.09	11.78	12.04	11.29	11.62
Month	13.28	9.32	12.14	13.22	10.86	12.20	13.18	9.46	11.71	12.64	8.60	11.44

Table 2a.--Daily maximum, minimum, and mean gage height at station 08042534, Keith Lake Pass, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1986			March		
1	12.04	11.36	11.76	11.43	9.70	10.93
2	11.95	10.95	11.55	11.68	10.43	11.25
3	12.56	10.81	11.78	11.63	10.29	11.15
4	12.77	11.27	12.17	11.46	10.00	10.92
5	12.70	10.96	11.97	12.03	9.97	11.10
6	12.61	10.65	11.49	11.90	10.61	11.31
7	12.51	10.41	11.57	11.86	10.21	11.19
8	12.70	11.08	11.99	12.03	10.83	11.56
9	12.27	10.80	11.81	12.10	10.89	11.72
10	12.43	10.91	11.65	12.27	11.20	11.75
11	11.36	10.20	10.95	12.17	10.94	11.71
12	11.79	10.61	11.35	12.57	11.53	12.07
13	12.21	10.50	11.70	12.18	11.16	11.75
14	12.16	11.20	11.97	12.27	10.73	11.87
15	12.05	10.45	11.53	12.32	11.00	11.79
16	12.18	11.18	11.97	11.84	10.93	11.49
17	12.15	11.38	11.89	12.26	10.84	11.72
18	12.11	10.94	11.68	12.74	11.60	12.22
19	12.13	10.86	11.67	11.85	11.01	11.49
20	12.11	10.90	11.66	11.63	10.38	11.06
21	12.07	10.81	11.64	11.34	10.06	10.91
22	12.08	10.65	11.43	11.56	10.48	11.15
23	12.00	10.61	11.46	11.60	10.44	11.15
24	12.27	10.83	11.61	11.45	10.30	11.04
25	11.78	10.57	11.37	11.82	10.81	11.39
26	12.16	11.18	11.69	11.92	10.85	11.52
27	11.98	10.31	11.36	11.81	10.37	11.26
28	11.12	9.68	10.53	11.71	10.40	11.29
29	---	---	---	11.71	10.43	11.33
30	---	---	---	12.05	10.44	11.53
31	---	---	---	12.18	10.92	11.76
Month	12.77	9.68	11.61	12.74	9.70	11.43

Table 2b.--Daily maximum, minimum, and mean gage height at station 08042532, mouth of Salt Bayou, October 1984 to March 1986

[in feet]

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1984			November			December			January 1985		
1	13.24	11.88	12.65	13.79	13.03	13.52	13.43	12.79	13.05	13.60	12.26	12.74
2	13.71	12.47	13.18	13.80	12.97	13.35	13.50	12.84	13.16	12.89	11.42	12.28
3	13.70	12.58	13.24	13.41	13.07	13.25	13.13	12.15	12.66	12.60	10.96	11.84
4	13.93	13.10	13.56	13.57	13.07	13.36	13.59	12.78	13.20	11.62	9.77	11.08
5	14.20	13.19	13.89	13.15	12.44	12.78	13.58	12.41	13.02	12.23	10.43	11.38
6	14.09	12.54	13.27	13.17	12.29	12.74	12.48	10.98	11.85	12.46	10.93	11.89
7	13.17	12.41	12.96	13.70	12.87	13.31	12.81	11.49	12.24	12.46	10.65	11.68
8	13.19	12.57	12.89	13.80	12.82	13.49	12.86	11.41	12.25	12.53	10.91	11.86
9	13.55	12.69	13.06	13.66	12.74	13.35	12.90	11.50	12.33	13.09	12.02	12.62
10	13.39	12.66	13.06	13.53	12.04	12.65	12.78	11.24	12.20	13.18	11.60	12.42
11	13.21	12.49	12.90	12.81	10.93	12.00	12.88	11.58	12.35	12.23	11.04	11.70
12	13.36	12.47	12.99	12.96	11.60	12.42	13.10	11.46	12.55	12.24	11.31	11.72
13	13.32	12.40	12.95	13.11	12.04	12.67	13.33	12.41	12.96	12.81	11.81	12.40
14	13.60	12.40	13.26	13.30	12.22	12.90	13.42	12.18	12.87	12.80	11.97	12.44
15	13.66	12.71	13.25	13.45	12.23	12.91	13.44	12.65	13.03	12.86	11.37	12.14
16	13.77	12.68	13.41	13.12	11.78	12.58	13.39	12.64	12.97	13.19	12.02	12.71
17	13.89	12.97	13.39	13.55	12.73	13.12	13.01	12.28	12.70	12.76	10.89	11.91
18	14.02	13.19	13.69	13.77	12.84	13.36	13.05	12.10	12.69	12.47	10.75	11.76
19	14.00	13.27	13.66	13.08	12.03	12.46	13.03	11.77	12.56	12.72	10.97	11.96
20	14.22	13.57	14.03	12.81	11.88	12.35	13.29	12.00	12.76	12.82	10.64	11.56
21	14.34	13.67	14.07	12.80	11.82	12.40	13.29	12.00	12.87	12.01	10.64	11.43
22	14.12	13.60	13.93	12.96	11.64	12.43	13.19	11.44	12.52	12.09	10.64	11.52
23	14.04	13.10	13.75	13.01	11.58	12.55	13.08	11.47	12.42	12.24	11.01	11.79
24	13.93	13.17	13.62	13.26	11.67	12.62	13.28	11.87	12.82	12.43	11.00	11.94
25	14.01	13.39	13.76	13.40	12.00	12.76	13.19	11.62	12.51	12.18	11.23	11.86
26	13.95	13.16	13.65	13.52	12.09	12.88	13.03	11.99	12.59	12.53	11.44	11.83
27	13.97	12.84	13.56	13.73	11.96	12.71	13.20	12.50	12.94	13.15	12.33	12.67
28	13.86	12.73	13.36	13.05	11.55	12.19	13.23	12.55	12.94	12.41	11.30	11.83
29	13.62	12.52	13.17	13.42	12.60	13.07	13.25	12.58	12.93	12.98	11.63	12.33
30	13.61	12.74	13.27	13.55	12.56	13.08	13.25	12.64	12.93	12.99	12.17	12.69
31	13.64	12.79	13.31	---	---	---	13.69	12.76	13.23	12.89	11.97	12.34
Month	14.34	11.88	13.38	13.80	10.93	12.84	13.69	10.98	12.71	13.60	9.77	12.01

Table 2b.--Daily maximum, minimum, and mean gage height at station 08042532, mouth of Salt Bayou, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1985			March			April			May		
1	12.44	11.08	11.82	13.13	11.65	12.70	12.75	11.47	12.27	12.91	12.07	12.46
2	12.17	10.74	11.49	13.13	12.01	12.65	12.84	11.19	11.88	12.28	11.22	11.87
3	12.57	10.86	11.76	13.49	11.92	12.84	12.55	11.46	12.18	12.19	11.31	11.76
4	13.00	11.47	12.36	13.60	12.56	13.01	12.97	12.22	12.62	12.75	11.57	12.30
5	13.04	11.47	12.35	13.20	11.85	12.61	13.15	11.77	12.68	12.97	11.63	12.51
6	12.44	11.08	11.97	13.17	12.01	12.68	13.21	11.83	12.69	13.14	11.64	12.66
7	12.68	11.42	12.17	13.30	12.34	12.86	13.45	11.79	12.86	13.03	11.75	12.60
8	12.70	11.81	12.35	13.11	12.16	12.64	13.00	11.71	12.51	12.98	11.52	12.37
9	13.19	12.48	12.91	12.93	12.07	12.54	13.12	11.78	12.67	12.82	11.26	12.24
10	13.33	12.32	12.78	12.76	11.94	12.39	13.42	11.95	12.87	12.78	11.55	12.31
11	13.25	9.98	11.16	12.95	11.93	12.53	13.16	12.28	12.79	12.99	11.78	12.53
12	11.67	9.02	10.54	12.87	11.59	12.42	13.22	12.05	12.76	13.10	12.14	12.68
13	12.27	10.83	11.64	12.96	11.68	12.42	13.37	12.37	12.97	13.61	12.53	13.13
14	12.26	10.86	11.68	12.80	11.60	12.31	13.35	12.49	12.96	13.28	12.42	13.02
15	12.04	10.60	11.18	13.00	11.63	12.31	13.01	12.13	12.63	12.72	11.85	12.40
16	12.91	11.13	12.04	13.22	12.12	12.73	12.69	11.80	12.20	12.59	11.86	12.33
17	12.91	11.48	12.31	12.97	11.65	12.33	12.41	11.59	12.09	12.40	11.40	12.04
18	12.62	10.35	11.97	12.96	11.59	12.45	12.74	12.07	12.49	12.81	11.39	12.29
19	12.51	11.24	11.95	13.19	12.28	12.88	13.07	12.11	12.65	13.02	11.89	12.60
20	12.56	11.55	12.17	13.60	13.17	13.44	13.13	12.00	12.71	13.03	11.89	12.58
21	13.00	12.16	12.66	13.46	12.14	12.92	13.42	12.17	13.05	13.27	11.85	12.64
22	13.06	12.45	12.79	12.82	12.12	12.53	13.74	12.54	13.32	13.06	11.77	12.52
23	13.42	12.69	13.09	13.13	12.40	12.82	13.54	12.35	13.10	13.04	11.67	12.49
24	13.04	12.44	12.80	12.78	11.91	12.48	13.30	11.87	12.82	12.95	11.74	12.51
25	13.02	12.59	12.88	12.62	11.83	12.31	13.04	11.75	12.62	12.99	11.79	12.48
26	12.99	12.36	12.74	13.17	11.75	12.68	13.61	12.30	13.14	12.95	12.44	12.67
27	12.83	11.73	12.46	13.42	12.50	13.02	13.44	12.68	13.12	12.92	11.95	12.55
28	13.28	11.90	12.67	13.43	12.42	13.03	13.24	12.17	12.82	13.05	12.04	12.63
29	---	---	---	13.43	12.27	13.02	12.96	12.00	12.60	13.05	12.36	12.66
30	---	---	---	13.76	12.18	13.22	12.90	11.99	12.52	13.05	11.97	12.65
31	---	---	---	12.78	11.54	12.29	---	---	---	13.19	11.63	12.55
Month	13.42	9.02	12.17	13.76	11.54	12.68	13.74	11.19	12.69	13.61	11.22	12.48

Table 2b.--Daily maximum, minimum, and mean gage height at station 08042532, mouth of Salt Bayou, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	June 1985			July			August			September		
1	12.93	11.25	12.33	12.65	11.02	12.14	12.25	10.97	11.83	13.66	13.25	13.45
2	12.89	11.23	12.36	12.61	11.07	12.09	12.78	10.91	11.83	13.34	12.57	12.96
3	12.93	11.24	12.43	12.52	10.98	11.92	12.55	10.94	12.00	13.37	12.24	12.63
4	13.10	11.45	12.49	12.86	10.90	12.13	12.57	11.45	12.18	13.51	13.00	13.28
5	13.07	11.49	12.57	12.92	11.80	12.44	12.53	11.88	12.23	13.73	12.66	13.24
6	12.89	11.55	12.45	12.61	11.51	12.15	12.52	11.85	12.24	13.51	12.45	13.03
7	12.69	11.16	12.22	12.69	11.64	12.22	12.50	11.60	12.13	13.22	12.16	12.79
8	12.37	11.40	11.95	12.57	11.94	12.26	12.46	11.39	12.03	13.08	11.91	12.62
9	12.29	11.53	11.98	12.37	11.75	12.02	12.41	11.40	12.02	13.19	12.04	12.69
10	12.48	11.79	12.18	12.23	11.32	11.89	12.37	11.10	11.86	13.24	12.08	12.82
11	12.81	11.89	12.35	12.26	11.11	11.79	12.32	11.19	11.89	13.34	12.24	12.94
12	12.44	11.76	12.14	12.40	11.45	12.01	12.55	11.37	12.10	13.31	12.11	12.89
13	12.68	11.93	12.33	12.56	11.48	12.17	12.82	11.54	12.33	13.06	12.13	12.70
14	13.06	12.06	12.75	12.64	11.30	12.16	13.22	11.86	12.70	13.39	12.15	12.87
15	13.06	11.65	12.60	12.45	11.13	12.03	13.25	11.21	12.50	13.82	12.80	13.46
16	12.87	11.83	12.66	12.35	11.17	11.96	13.02	11.22	12.42	13.60	12.97	13.39
17	13.17	11.81	12.86	12.45	10.77	11.96	12.88	11.83	12.53	13.59	12.91	13.31
18	13.11	12.08	12.91	12.80	11.07	12.22	12.56	11.71	12.25	13.73	12.80	13.40
19	12.68	11.44	12.40	13.01	11.53	12.42	12.49	11.73	12.13	13.83	12.90	13.47
20	13.04	12.06	12.65	12.66	11.65	12.25	12.47	11.87	12.20	13.87	12.76	13.43
21	13.53	12.04	12.95	12.58	11.46	12.22	12.56	11.77	12.29	13.91	12.95	13.51
22	13.56	12.58	13.18	12.43	11.72	12.16	12.66	11.66	12.31	14.02	13.00	13.62
23	13.44	12.64	12.97	12.34	11.78	12.06	12.86	11.55	12.39	13.79	12.37	13.29
24	13.14	13.07	13.11	12.66	12.00	12.28	12.87	11.46	12.41	13.06	12.08	12.72
25	13.06	12.59	12.77	13.00	12.20	12.60	12.85	11.63	12.42	13.33	12.27	12.96
26	12.90	12.60	12.73	12.88	11.05	12.02	13.08	11.64	12.52	12.91	11.91	12.46
27	12.83	11.57	12.41	12.43	11.20	11.97	13.36	11.99	12.89	13.10	12.10	12.67
28	12.51	11.21	12.00	12.71	11.16	12.11	13.41	12.42	13.10	13.23	12.57	12.97
29	12.70	11.38	12.13	12.58	11.07	12.10	13.40	12.47	13.12	13.61	12.86	13.28
30	12.72	11.17	12.19	12.56	11.09	12.08	13.51	12.79	13.22	13.20	12.21	12.71
31	---	---	---	12.36	10.84	11.92	13.65	12.71	13.25	---	---	---
Month	13.56	11.16	12.50	13.01	10.77	12.12	13.65	10.91	12.37	14.02	11.91	13.05

Table 2b.--Daily maximum, minimum, and mean gage height at station 0804253z, mouth of Salt Bayou, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1985			November			December			January 1986		
1	12.92	11.93	12.45	13.30	12.14	12.62	13.65	12.53	13.13	12.57	11.34	12.05
2	13.18	12.37	12.78	13.64	12.78	13.22	13.44	11.99	12.56	12.71	11.99	12.37
3	13.22	12.38	12.88	13.59	12.38	12.91	13.03	11.10	12.19	12.80	12.13	12.43
4	13.25	12.22	12.81	13.20	11.98	12.64	13.37	12.20	12.88	12.85	12.02	12.46
5	12.99	11.08	11.95	13.00	12.03	12.57	13.17	12.16	12.69	12.42	10.75	11.58
6	12.71	11.85	12.34	13.08	12.08	12.62	12.38	11.53	12.01	12.91	11.58	12.37
7	13.06	12.21	12.68	12.87	11.80	12.39	12.82	12.06	12.44	12.85	11.83	12.45
8	13.39	12.43	13.00	12.85	12.45	12.72	13.05	12.11	12.65	12.77	11.23	12.17
9	13.19	12.23	12.83	13.35	12.82	13.06	13.08	12.02	12.66	12.93	11.23	12.25
10	13.42	12.28	12.97	13.37	12.68	13.02	13.24	12.13	12.82	12.90	11.04	12.19
11	13.16	12.42	12.86	13.34	12.28	12.96	13.51	12.23	13.04	12.72	10.98	11.98
12	13.17	12.43	12.88	13.32	12.14	12.87	13.22	11.70	12.66	12.86	11.37	12.22
13	13.21	12.54	12.90	13.34	11.91	12.88	13.21	11.00	12.44	12.28	10.83	11.73
14	13.34	12.37	12.99	13.33	11.99	12.90	12.16	10.63	11.46	12.20	11.18	11.80
15	13.20	11.99	12.83	13.40	12.02	12.86	12.79	10.98	12.15	12.21	11.42	11.93
16	13.15	11.95	12.66	13.34	11.76	12.65	12.80	11.40	12.29	12.58	11.99	12.26
17	13.42	12.22	12.94	13.32	12.25	12.89	12.70	11.46	12.25	12.76	12.10	12.51
18	13.71	12.69	13.28	13.42	12.53	13.05	12.69	11.78	12.35	12.63	11.99	12.37
19	13.63	12.35	13.18	13.54	12.60	13.16	12.53	11.91	12.26	12.56	11.57	12.12
20	13.56	12.43	13.07	13.25	12.05	12.48	12.84	11.99	12.37	12.56	11.20	12.09
21	13.42	12.42	13.06	12.84	12.33	12.61	12.50	11.43	12.19	12.53	11.44	12.10
22	13.44	12.59	13.14	13.45	12.48	13.00	12.60	11.63	12.21	12.44	11.00	11.90
23	13.58	12.90	13.32	13.68	13.24	13.47	12.68	11.57	12.26	12.56	10.95	11.82
24	13.51	12.94	13.27	13.51	12.56	12.97	12.70	11.49	12.22	12.97	11.53	12.37
25	13.51	13.05	13.30	13.33	12.22	12.91	12.47	10.63	11.49	12.99	11.62	12.35
26	13.74	13.24	13.50	13.43	12.67	13.13	12.40	10.85	11.75	12.36	10.63	11.22
27	13.71	12.19	13.17	13.47	12.69	13.27	12.73	11.50	12.25	11.45	10.63	10.84
28	12.35	11.60	11.97	13.56	12.60	13.17	12.63	11.00	11.88	12.09	11.11	11.72
29	12.36	11.91	12.12	13.27	12.49	12.98	12.46	10.98	11.93	12.16	11.08	11.75
30	12.01	11.05	11.50	13.47	12.30	12.97	12.94	11.62	12.43	12.20	11.26	11.78
31	12.40	10.80	11.49	---	---	---	13.05	11.73	12.42	12.61	11.95	12.22
Month	13.74	10.80	12.78	13.68	11.76	12.90	13.65	10.63	12.33	12.99	10.63	12.05

Table 2b.--Daily maximum, minimum, and mean gage height at station 08042532, mouth of Salt Bayou, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1986			March		
1	12.58	12.03	12.36	12.16	10.63	11.58
2	12.54	11.57	12.15	12.48	11.25	11.97
3	13.22	11.40	12.41	12.31	11.02	11.83
4	13.20	11.97	12.80	12.16	10.79	11.57
5	13.26	11.61	12.58	12.68	10.66	11.76
6	13.25	11.46	12.18	12.63	11.38	12.02
7	12.93	11.05	12.14	12.49	10.82	11.86
8	12.85	11.85	12.52	12.63	11.53	12.26
9	12.86	11.38	12.37	12.71	11.73	12.40
10	12.90	11.56	12.23	12.92	11.88	12.45
11	11.86	10.94	11.50	12.68	11.85	12.37
12	12.32	11.12	11.92	13.21	12.40	12.77
13	12.80	11.69	12.27	12.75	12.12	12.43
14	13.00	11.87	12.65	13.01	11.58	12.58
15	12.75	11.41	12.18	12.87	11.82	12.48
16	12.99	12.19	12.67	12.53	11.70	12.23
17	13.01	12.09	12.61	12.95	11.64	12.41
18	12.79	11.78	12.40	13.32	12.37	12.91
19	12.77	11.83	12.40	12.69	11.68	12.16
20	12.81	11.50	12.32	12.26	11.09	11.72
21	12.72	11.59	12.28	11.99	10.87	11.57
22	12.65	11.26	12.07	12.21	11.21	11.81
23	12.71	11.37	12.10	12.29	11.22	11.85
24	12.92	11.69	12.36	12.13	11.08	11.71
25	12.38	11.35	12.03	12.42	11.54	12.06
26	12.83	12.07	12.44	12.57	11.68	12.21
27	12.61	11.22	12.05	12.37	11.22	11.95
28	11.61	10.65	11.20	12.30	11.26	11.98
29	---	---	---	12.39	11.17	12.01
30	---	---	---	12.70	11.18	12.19
31	---	---	---	12.84	11.54	12.42
Month	13.26	10.65	12.26	13.32	10.63	12.11

Table 2c.--Daily maximum, maximum, and mean gage height at station 08042530, Ten Mile Cut, October 1984 to March 1985

[in feet]

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1984			November			December			January 1985		
1	10.22	10.13	10.16	10.88	10.70	10.75	10.27	10.24	10.26	10.13	10.08	10.09
2	10.14	10.05	10.08	10.91	10.88	10.90	10.32	10.26	10.29	10.15	10.08	10.12
3	10.05	9.94	9.99	10.89	10.84	10.88	10.30	10.26	10.28	10.17	10.12	10.15
4	9.95	9.87	9.93	10.84	10.77	10.80	10.40	10.26	10.33	10.12	9.93	10.01
5	9.99	9.93	9.96	10.77	10.73	10.75	10.47	10.38	10.43	9.92	9.80	9.88
6	9.99	9.96	9.98	10.73	10.65	10.69	10.43	10.40	10.41	9.80	9.74	9.77
7	10.00	9.95	9.98	10.65	10.60	10.62	10.40	10.33	10.37	9.74	9.66	9.70
8	9.99	9.94	9.97	10.60	10.57	10.59	10.33	10.26	10.30	9.66	9.57	9.62
9	10.10	9.93	10.00	10.57	10.53	10.55	10.26	10.19	10.23	9.69	9.57	9.60
10	10.13	10.09	10.11	10.55	10.50	10.51	10.19	10.14	10.17	9.78	9.68	9.74
11	10.11	10.06	10.08	10.50	10.47	10.49	10.14	10.07	10.12	9.75	9.65	9.72
12	10.11	10.06	10.07	10.47	10.40	10.43	10.07	9.98	10.04	9.73	9.66	9.69
13	10.13	10.05	10.08	10.40	10.37	10.38	10.03	9.98	10.00	9.70	9.65	9.67
14	10.31	10.11	10.24	10.37	10.35	10.36	10.08	10.02	10.05	9.74	9.70	9.72
15	10.31	10.28	10.29	10.35	10.31	10.32	10.14	10.06	10.09	9.71	9.64	9.67
16	10.30	10.28	10.28	10.31	10.26	10.29	10.16	10.11	10.14	9.82	9.64	9.72
17	10.41	10.27	10.34	10.36	10.27	10.30	10.11	10.05	10.08	9.83	9.73	9.79
18	10.44	10.41	10.43	10.46	10.31	10.41	10.06	10.01	10.03	9.77	9.67	9.72
19	10.50	10.41	10.45	10.46	10.41	10.43	10.03	9.98	10.00	9.67	9.58	9.62
20	10.62	10.50	10.56	10.41	10.39	10.40	10.00	9.98	9.99	9.75	9.49	9.64
21	10.81	10.62	10.71	10.39	10.35	10.37	10.00	9.95	9.98	9.70	9.57	9.64
22	11.02	10.82	10.93	10.35	10.29	10.32	10.05	9.96	10.00	9.57	9.46	9.52
23	11.05	11.02	11.03	10.29	10.27	10.28	9.99	9.95	9.98	9.46	9.37	9.43
24	11.06	11.02	11.04	10.27	10.24	10.25	9.99	9.95	9.98	9.42	9.37	9.40
25	11.03	10.99	11.01	10.24	10.23	10.23	10.03	9.96	9.98	9.37	9.33	9.35
26	10.99	10.96	10.98	10.30	10.18	10.24	10.04	9.96	10.00	9.33	9.21	9.29
27	10.96	10.90	10.93	10.37	10.30	10.33	10.05	9.98	10.01	9.62	9.30	9.46
28	10.90	10.87	10.89	10.33	10.29	10.31	10.05	10.02	10.04	9.65	9.54	9.57
29	10.87	10.80	10.83	10.29	10.27	10.28	10.05	9.99	10.03	9.60	9.48	9.54
30	10.80	10.73	10.77	10.29	10.27	10.28	10.01	9.98	9.99	9.68	9.61	9.66
31	10.76	10.73	10.74	---	---	---	10.13	9.98	10.03	9.81	9.68	9.73
Month	11.06	9.87	10.41	10.91	10.18	10.46	10.47	9.95	10.12	10.17	9.21	9.68

Table 2c.--Daily maximum, maximum, and mean gage height at station 08042530, Ten Mile Cut, October 1984 to March 1985--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1985			March		
1	9.82	9.73	9.75	10.28	10.20	10.24
2	9.75	9.64	9.70	10.25	10.19	10.22
3	9.64	9.55	9.57	10.21	10.15	10.18
4	9.72	9.56	9.63	10.15	10.00	10.08
5	9.75	9.71	9.74	10.00	9.86	9.92
6	9.75	9.68	9.71	10.46	9.87	10.40
7	9.70	9.64	9.67	10.38	10.31	10.32
8	9.72	9.68	9.69	---	---	---
9	9.78	9.67	9.72	---	---	---
10	10.09	9.76	9.81	---	---	---
11	10.16	9.99	10.10	---	---	---
12	9.99	9.92	9.95	---	---	---
13	9.91	9.86	9.89	---	---	---
14	9.86	9.83	9.84	---	---	---
15	9.83	9.78	9.81	---	---	---
16	9.78	9.74	9.76	---	---	---
17	9.74	9.71	9.72	---	---	---
18	9.71	9.63	9.69	---	---	---
19	9.67	9.51	9.59	---	---	---
20	9.51	9.38	9.48	10.54	10.25	10.39
21	9.57	9.47	9.53	10.56	10.52	10.55
22	9.69	9.56	9.62	10.52	10.48	10.50
23	10.16	9.64	9.78	10.48	10.45	10.47
24	10.37	10.19	10.31	10.45	10.41	10.42
25	10.43	10.32	10.40	10.41	10.34	10.37
26	10.40	10.39	10.39	10.34	10.27	10.30
27	10.39	10.28	10.36	10.29	10.26	10.28
28	10.28	10.25	10.26	---	---	---
29	---	---	---	---	---	---
30	---	---	---	---	---	---
31	---	---	---	---	---	---
Month	10.43	9.38	9.84	10.56	9.86	10.31

Table 2d.--Daily maximum, minimum, and mean gage height at station 08042531, Wildcow Bayou, April 1985 to March 1986

[in feet]

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	April 1985			May			June			July		
1	3.54	3.36	3.43	3.46	3.23	3.32	3.26	2.92	3.10	3.18	2.91	3.06
2	3.46	3.21	3.32	3.23	3.06	3.16	3.20	2.89	3.07	3.05	2.89	2.96
3	3.21	3.02	3.13	3.10	3.00	3.03	3.29	2.89	3.12	3.02	2.89	2.92
4	3.29	3.03	3.15	3.23	2.94	3.13	3.34	2.90	3.15	3.26	2.89	3.00
5	3.48	3.16	3.34	3.37	3.01	3.23	3.39	2.96	3.20	3.38	3.00	3.21
6	3.62	3.22	3.42	3.49	3.10	3.32	3.29	3.00	3.18	3.19	2.98	3.09
7	3.72	3.47	3.61	3.41	3.15	3.31	3.19	2.94	3.05	3.20	2.94	3.08
8	3.63	3.38	3.53	3.33	3.11	3.22	3.08	2.89	2.91	3.21	2.96	3.09
9	3.59	3.28	3.46	3.32	3.02	3.19	2.89	2.89	2.89	2.96	2.89	2.90
10	3.67	3.29	3.50	3.23	3.02	3.14	2.89	2.89	2.89	2.89	2.89	2.89
11	3.74	3.42	3.61	3.29	2.92	3.11	3.10	2.89	2.95	2.89	2.89	2.89
12	3.75	3.47	3.64	3.36	2.99	3.19	3.04	2.89	2.95	2.93	2.89	2.89
13	3.77	3.50	3.70	3.57	3.16	3.37	3.26	2.89	3.10	3.05	2.89	2.94
14	3.80	3.68	3.75	3.57	3.35	3.50	3.51	3.10	3.33	3.05	2.89	2.93
15	3.70	3.32	3.50	3.48	3.24	3.39	3.48	3.14	3.33	2.89	2.89	2.89
16	3.38	3.16	3.26	3.32	3.10	3.22	3.36	3.10	3.25	2.90	2.89	2.89
17	3.19	3.06	3.13	3.19	2.93	3.07	3.36	3.02	3.22	2.95	2.89	2.91
18	3.32	3.11	3.24	3.32	2.89	3.12	3.49	3.01	3.28	3.23	2.89	3.01
19	3.39	3.17	3.30	3.41	3.10	3.30	3.42	3.16	3.29	3.35	2.91	3.15
20	3.52	3.16	3.37	3.42	3.12	3.28	3.46	3.13	3.30	3.21	2.99	3.10
21	3.68	3.31	3.52	3.56	3.10	3.31	3.67	3.21	3.44	3.11	2.89	2.99
22	3.75	3.45	3.63	3.44	3.15	3.32	3.72	3.43	3.59	3.07	2.89	2.93
23	3.76	3.61	3.72	3.45	3.14	3.32	3.67	3.44	3.55	2.91	2.89	2.89
24	3.73	3.53	3.67	3.46	3.14	3.33	3.52	3.31	3.41	2.99	2.89	2.91
25	3.64	3.40	3.53	3.45	3.15	3.31	3.43	3.29	3.37	3.05	2.89	2.96
26	3.82	3.46	3.66	3.37	3.15	3.27	3.38	3.21	3.31	2.99	2.89	2.92
27	3.84	3.68	3.77	3.38	3.10	3.24	3.36	3.11	3.27	2.93	2.89	2.89
28	3.83	3.61	3.71	3.35	3.16	3.27	3.19	3.01	3.12	3.12	2.89	2.95
29	3.71	3.47	3.59	3.30	3.15	3.23	3.30	2.94	3.12	3.04	2.89	2.94
30	3.57	3.31	3.41	3.33	3.10	3.22	3.25	2.96	3.13	2.92	2.89	2.90
31	---	---	---	3.33	2.99	3.17	---	---	---	2.89	2.89	2.89
Month	3.84	3.02	3.49	3.57	2.89	3.24	3.72	2.89	3.20	3.38	2.89	2.97

Table 2d.--Daily maximum, minimum, and mean gage height at station 08042531, Wildcow Bayou, April 1985 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	August 1985			September			October			November		
1	2.89	2.89	2.89	3.90	3.82	3.86	3.87	3.73	3.80	4.11	4.03	4.07
2	2.90	2.89	2.89	3.90	3.57	3.79	3.87	3.77	3.81	4.19	4.09	4.17
3	3.02	2.89	2.90	3.56	3.27	3.39	3.88	3.72	3.81	4.18	4.09	4.15
4	3.01	2.89	2.93	3.75	3.49	3.66	3.87	3.69	3.79	4.09	3.95	4.04
5	3.03	2.89	2.93	3.90	3.70	3.79	3.82	3.43	3.64	3.95	3.86	3.92
6	3.04	2.89	2.95	3.83	3.61	3.75	3.58	3.37	3.47	3.90	3.84	3.87
7	2.95	2.89	2.91	3.77	3.47	3.66	3.70	3.37	3.56	3.84	3.77	3.82
8	3.02	2.89	2.92	3.70	3.41	3.58	3.77	3.46	3.69	3.78	3.74	3.76
9	2.95	2.89	2.90	3.70	3.39	3.59	3.77	3.62	3.72	3.86	3.78	3.83
10	2.89	2.89	2.89	3.73	3.41	3.62	3.81	3.61	3.75	3.89	3.81	3.86
11	2.89	2.89	2.89	3.76	3.48	3.67	3.76	3.64	3.72	3.90	3.84	3.88
12	3.01	2.89	2.92	3.77	3.54	3.69	3.76	3.66	3.71	3.90	3.80	3.86
13	3.21	2.89	3.02	3.71	3.50	3.64	3.73	3.57	3.67	3.90	3.78	3.85
14	3.49	2.89	3.22	3.82	3.54	3.69	3.77	3.58	3.69	3.90	3.77	3.85
15	3.60	3.12	3.36	3.99	3.80	3.88	3.81	3.68	3.74	3.89	3.79	3.85
16	3.27	2.95	3.11	4.02	3.96	3.99	3.78	3.56	3.70	3.90	3.77	3.84
17	3.28	3.01	3.17	4.02	3.93	3.98	3.82	3.68	3.76	3.86	3.76	3.81
18	3.15	2.96	3.04	4.09	3.99	4.04	3.91	3.77	3.85	3.85	3.76	3.81
19	3.03	2.89	2.93	4.14	4.04	4.09	3.94	3.80	3.88	3.88	3.82	3.86
20	3.02	2.89	2.94	4.19	4.08	4.14	3.99	3.85	3.94	3.89	3.72	3.82
21	3.20	2.92	3.07	4.21	4.10	4.16	4.01	3.88	3.96	3.73	3.69	3.72
22	3.24	2.91	3.12	4.26	4.12	4.21	3.99	3.88	3.96	3.79	3.69	3.73
23	3.30	2.91	3.13	4.24	4.06	4.18	4.04	3.88	3.98	3.90	3.79	3.85
24	3.32	2.91	3.14	4.06	3.87	4.00	4.08	3.96	4.04	3.90	3.80	3.86
25	3.31	2.93	3.15	3.91	3.81	3.87	4.13	4.03	4.08	3.83	3.70	3.78
26	3.40	3.00	3.24	3.87	3.71	3.81	4.25	4.12	4.17	3.86	3.75	3.82
27	3.67	3.07	3.41	3.79	3.68	3.73	4.36	4.25	4.30	4.02	3.85	3.91
28	3.78	3.44	3.66	3.85	3.70	3.79	4.45	4.33	4.39	4.07	3.96	4.02
29	3.74	3.47	3.65	4.07	3.80	3.88	4.36	4.27	4.31	3.99	3.91	3.96
30	3.76	3.49	3.67	4.07	3.87	3.95	4.29	4.24	4.27	3.99	3.91	3.95
31	3.83	3.64	3.74	---	---	---	4.24	4.12	4.17	---	---	---
Month	3.83	2.89	3.12	4.26	3.27	3.84	4.45	3.37	3.88	4.19	3.69	3.88

Table 2d.--Daily maximum, minimum, and mean gage height at station 08042531, Wildcow Bayou, April 1985 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	December 1985			January 1986			February			March		
1	4.07	3.94	4.00	3.29	3.17	3.24	3.16	2.98	3.06	2.89	2.89	2.89
2	3.94	3.76	3.85	3.31	3.20	3.25	3.16	2.96	3.05	2.89	2.89	2.89
3	3.87	3.76	3.81	3.34	3.26	3.28	3.24	2.91	3.06	2.99	2.89	2.90
4	3.90	3.82	3.86	3.37	3.31	3.34	3.46	3.20	3.30	2.99	2.89	2.90
5	3.89	3.70	3.82	3.36	3.20	3.23	3.48	3.19	3.35	2.89	2.89	2.89
6	3.69	3.60	3.64	3.45	3.20	3.24	3.51	3.16	3.30	3.00	2.89	2.91
7	3.67	3.59	3.64	3.66	3.35	3.51	3.34	3.09	3.20	2.91	2.89	2.89
8	3.71	3.54	3.64	3.70	3.44	3.59	3.51	3.29	3.40	3.09	2.89	2.97
9	3.74	3.55	3.67	3.60	3.39	3.51	3.49	3.32	3.42	3.16	2.89	3.05
10	3.79	3.62	3.72	3.64	3.36	3.49	3.55	3.28	3.43	3.24	2.94	3.10
11	3.92	3.74	3.81	3.36	3.20	3.28	3.28	3.02	3.19	3.12	2.96	3.06
12	3.92	3.82	3.86	3.44	3.21	3.31	3.11	2.99	3.03	3.43	3.12	3.31
13	3.87	3.70	3.80	3.21	3.02	3.14	3.25	3.03	3.11	3.32	3.20	3.26
14	3.70	3.49	3.58	3.02	2.92	2.98	3.36	3.22	3.28	3.33	3.19	3.25
15	3.61	3.48	3.53	2.96	2.90	2.93	3.28	3.08	3.18	3.33	3.19	3.27
16	3.58	3.44	3.53	3.18	2.92	3.04	3.32	3.20	3.25	3.30	3.11	3.16
17	3.51	3.37	3.45	3.32	3.18	3.24	3.31	3.20	3.25	3.27	2.95	3.11
18	3.47	3.37	3.43	3.32	3.20	3.25	3.31	3.02	3.13	3.50	3.21	3.32
19	3.43	3.40	3.41	3.25	3.09	3.15	3.21	2.95	3.10	3.50	3.21	3.28
20	3.50	3.32	3.40	3.13	2.91	3.01	3.23	2.93	3.09	3.22	3.00	3.07
21	3.32	3.25	3.28	3.14	2.89	3.02	3.25	3.01	3.16	3.02	2.89	2.91
22	3.33	3.16	3.23	3.12	2.91	3.01	3.25	3.03	3.16	2.92	2.89	2.90
23	3.33	3.18	3.26	3.12	2.90	3.00	3.16	2.89	3.02	2.92	2.89	2.90
24	3.35	3.22	3.27	3.25	2.94	3.10	3.26	3.04	3.15	2.89	2.89	2.89
25	3.24	3.00	3.10	3.43	3.21	3.28	3.11	2.89	3.00	2.89	2.89	2.89
26	3.05	2.89	2.96	3.24	2.90	3.09	3.18	2.89	3.01	3.05	2.89	2.96
27	3.32	3.06	3.20	2.90	2.89	2.89	3.14	2.89	3.00	2.97	2.89	2.90
28	3.33	3.10	3.20	2.89	2.89	2.89	2.94	2.89	2.89	2.89	2.89	2.89
29	3.20	3.03	3.12	2.89	2.89	2.89	---	---	---	2.90	2.89	2.89
30	3.34	3.12	3.21	2.89	2.89	2.89	---	---	---	3.09	2.89	2.94
31	3.48	3.26	3.35	3.06	2.89	2.93	---	---	---	3.17	2.89	3.02
Month	4.07	2.89	3.50	3.70	2.89	3.16	3.55	2.89	3.16	3.50	2.89	3.02

Table 2e.--Daily maximum, minimum, and mean gage height at station 08042524, Intracoastal Waterway, October 1984 to August 1985

[in feet]

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1984			November			December			January 1985		
1	4.85	3.64	4.28	6.07	5.04	5.65	5.41	4.80	5.12	5.84	4.21	4.82
2	4.99	3.66	4.44	5.76	5.02	5.47	---	---	---	4.92	3.64	4.31
3	5.01	3.64	4.48	5.54	5.03	5.36	---	---	---	4.79	3.64	4.10
4	5.24	3.95	4.82	5.77	5.17	5.48	---	---	---	3.95	3.48	3.61
5	5.59	4.46	5.13	5.27	4.40	4.87	---	---	---	4.21	3.49	3.64
6	5.45	4.60	5.11	5.44	4.34	4.78	---	---	---	4.47	3.48	3.96
7	5.42	4.62	5.08	5.95	4.78	5.44	---	---	---	4.60	3.49	3.87
8	5.42	4.56	5.01	6.05	4.81	5.63	---	---	---	4.45	3.49	3.89
9	5.78	4.69	5.12	5.93	4.68	5.46	---	---	---	5.14	3.90	4.51
10	5.67	4.65	5.16	5.80	3.86	4.87	---	---	---	5.39	3.50	4.46
11	5.39	4.38	4.93	4.96	3.64	4.10	---	---	---	4.35	3.49	3.72
12	5.46	4.13	5.04	5.06	3.69	4.47	---	---	---	4.16	3.49	3.64
13	5.68	4.25	5.04	5.24	4.04	4.72	---	---	---	4.82	3.98	4.32
14	5.89	4.52	5.35	5.60	4.04	5.01	---	---	---	4.93	3.78	4.46
15	5.92	4.41	5.37	5.77	4.19	5.05	---	---	---	4.91	3.49	4.07
16	6.15	5.36	5.90	5.36	3.66	4.66	---	---	---	5.46	3.81	4.71
17	5.79	4.92	5.39	5.48	4.50	5.12	---	---	---	4.83	3.49	3.99
18	6.54	5.19	5.89	6.06	4.51	5.55	---	---	---	4.47	3.49	3.91
19	6.15	5.03	5.77	5.49	4.00	4.55	5.19	3.64	4.42	4.75	3.49	4.00
20	6.60	5.58	6.22	5.02	3.82	4.39	5.37	3.78	4.68	5.02	3.49	3.91
21	6.63	5.55	6.22	4.99	3.64	4.43	5.56	3.98	5.02	4.09	3.49	3.62
22	6.29	5.49	6.00	5.23	3.64	4.49	5.51	3.64	4.63	4.14	3.49	3.72
23	6.25	5.25	5.84	5.29	3.72	4.66	5.17	3.64	4.48	4.36	3.49	3.84
24	6.04	4.91	5.65	5.48	3.66	4.66	5.62	3.95	4.99	4.46	3.49	3.97
25	6.14	5.30	5.81	5.69	3.94	4.88	5.42	3.67	4.63	4.25	3.49	3.88
26	6.08	5.05	5.67	5.74	4.06	4.95	5.20	3.85	4.63	4.47	3.49	3.73
27	6.16	4.68	5.62	6.07	3.92	5.01	5.37	4.49	5.00	5.37	4.21	4.70
28	6.06	4.55	5.44	5.15	3.73	4.23	5.37	4.61	5.00	4.48	3.49	3.81
29	5.78	4.45	5.22	5.56	4.57	5.17	5.50	4.47	5.02	4.94	3.49	4.18
30	5.86	4.71	5.31	5.80	4.56	5.22	5.46	4.67	5.01	5.11	4.02	4.69
31	5.82	4.78	5.37	---	---	---	6.11	4.68	5.37	5.00	3.84	4.29
Month	6.63	3.64	5.34	6.07	3.64	4.94	6.11	3.64	4.86	5.84	3.48	4.08

Table 2e.--Daily maximum, minimum, and mean gage height at station 08042524, Intracoastal Waterway, October 1984 to August 1985--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1985			March			April			May		
1	4.52	3.49	3.86	5.13	4.25	4.72	5.00	3.49	4.26	4.97	3.96	4.53
2	4.38	3.49	3.67	4.96	3.89	4.50	5.01	3.49	4.05	4.38	3.49	3.93
3	4.45	3.49	3.76	5.26	3.84	4.56	4.64	3.88	4.30	4.22	3.49	3.78
4	5.17	3.49	4.27	5.61	4.42	4.94	5.09	4.13	4.63	4.85	3.49	4.26
5	5.09	3.51	4.36	5.02	3.65	4.42	5.23	3.74	4.69	5.07	3.49	4.48
6	4.51	3.49	3.99	5.12	3.84	4.48	4.96	3.70	4.43	5.22	3.56	4.63
7	4.67	3.49	4.13	5.30	4.03	4.76	5.37	4.11	4.85	5.20	3.80	4.61
8	4.73	3.50	4.24	5.07	4.04	4.58	5.10	3.57	4.33	5.06	3.61	4.43
9	5.19	4.42	4.84	4.95	3.92	4.46	5.21	3.71	4.51	4.84	3.49	4.19
10	5.45	4.38	4.72	4.81	3.77	4.30	5.44	3.92	4.68	4.94	3.50	4.30
11	5.51	3.49	4.24	5.03	3.79	4.52	5.00	4.08	4.62	5.04	3.59	4.52
12	3.84	3.49	3.51	4.82	3.59	4.34	5.27	4.00	4.61	5.11	3.97	4.64
13	4.26	3.49	3.81	4.92	3.52	4.27	5.52	4.25	4.92	5.59	4.19	4.99
14	4.42	3.49	3.78	4.84	3.50	4.32	5.56	4.40	4.98	5.29	4.20	4.91
15	4.38	3.49	3.62	4.93	3.72	4.26	5.03	4.38	4.77	4.54	4.00	4.28
16	4.72	3.49	3.92	5.35	4.06	4.75	4.66	3.45	4.22	4.70	3.83	4.30
17	4.92	3.50	4.25	5.20	3.69	4.40	4.36	3.49	3.97	4.51	3.49	4.08
18	4.59	3.49	4.00	4.90	3.82	4.38	4.83	3.93	4.39	4.85	3.49	4.21
19	4.43	3.49	3.97	5.17	4.31	4.79	5.11	3.85	4.55	5.07	3.74	4.54
20	4.45	3.49	3.98	5.75	5.01	5.49	5.24	3.68	4.57	5.07	3.79	4.53
21	4.91	3.75	4.43	5.72	4.25	5.14	5.51	3.68	4.91	5.45	3.66	4.63
22	4.95	4.17	4.54	4.84	4.04	4.48	5.67	4.21	5.20	5.09	3.64	4.45
23	5.49	4.54	5.03	5.16	4.46	4.82	5.76	4.28	5.06	5.06	3.62	4.40
24	5.17	4.54	4.86	4.64	4.16	4.44	5.13	3.97	4.65	4.99	3.74	4.45
25	5.09	4.51	4.81	4.64	3.87	4.25	5.11	3.66	4.44	5.01	3.74	4.46
26	4.93	4.40	4.72	4.89	3.70	4.43	5.70	3.94	5.02	5.01	3.90	4.53
27	4.80	4.02	4.41	5.50	4.47	5.02	5.49	4.44	5.01	5.06	3.97	4.54
28	5.13	3.86	4.42	5.55	4.40	5.02	5.13	4.14	4.69	5.11	3.97	4.64
29	---	---	---	5.36	4.28	4.92	5.06	3.84	4.50	5.04	4.39	4.75
30	---	---	---	6.05	4.52	5.21	5.01	3.90	4.56	5.19	3.94	4.74
31	---	---	---	5.12	3.60	4.29	---	---	---	5.28	3.56	4.63
Month	5.51	3.49	4.22	6.05	3.50	4.62	5.76	3.45	4.61	5.59	3.49	4.46

Table 2e.--Daily maximum, minimum, and mean gage height at station 08042524, Intracoastal Waterway, October 1984 to August 1985--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	June 1985			July			August		
1	5.07	3.49	4.38	4.77	3.49	4.22	---	---	---
2	4.95	3.49	4.35	4.68	3.49	4.17	---	---	---
3	4.95	3.49	4.36	4.54	3.49	4.02	---	---	---
4	5.30	3.49	4.47	4.89	3.49	4.12	---	---	---
5	5.22	3.49	4.49	5.03	3.69	4.42	---	---	---
6	5.11	3.67	4.46	4.61	3.49	4.12	---	---	---
7	4.80	3.49	4.29	4.58	3.53	4.12	---	---	---
8	4.46	3.49	4.10	4.68	3.83	4.25	---	---	---
9	4.40	3.49	3.99	4.47	3.72	4.03	---	---	---
10	4.50	3.71	4.10	4.51	3.49	3.99	---	---	---
11	4.85	3.75	4.32	4.38	3.49	3.88	---	---	---
12	4.42	3.50	4.02	4.53	3.49	4.03	---	---	---
13	4.64	3.70	4.11	4.66	3.49	4.17	5.07	3.64	4.47
14	5.27	3.88	4.63	4.72	3.49	4.20	5.34	3.70	4.77
15	5.22	3.63	4.58	4.61	3.49	4.13	5.73	3.64	4.87
16	4.90	3.50	4.39	4.57	3.49	4.09	5.28	3.64	4.61
17	5.21	3.54	4.62	4.63	3.49	4.04	5.28	4.05	4.75
18	5.29	3.49	4.47	4.89	3.49	4.29	4.92	3.81	4.43
19	4.95	3.49	4.21	5.11	3.49	4.39	4.76	3.78	4.29
20	4.95	3.50	4.39	4.92	3.59	4.25	4.78	3.79	4.29
21	5.99	3.82	4.92	4.70	3.49	4.24	4.90	3.74	4.37
22	5.49	4.43	4.99	4.71	3.63	4.22	4.91	3.64	4.42
23	5.12	4.17	4.70	4.51	3.73	4.11	5.14	3.64	4.56
24	4.96	3.93	4.49	4.68	3.91	4.29	5.22	3.65	4.61
25	4.95	4.16	4.52	4.79	3.49	4.26	5.17	3.79	4.62
26	4.88	4.11	4.51	4.63	3.49	4.05	5.36	3.72	4.65
27	4.94	3.66	4.38	4.53	3.49	4.04	5.37	3.78	4.87
28	4.47	3.49	4.04	4.93	3.49	4.17	5.60	4.29	5.17
29	4.71	3.49	4.07	4.78	3.49	4.18	5.52	4.44	5.14
30	4.89	3.49	4.25	4.67	3.49	4.16	5.44	4.38	5.12
31	---	---	---	---	---	---	5.16	4.69	4.86
Month	5.99	3.49	4.39	5.11	3.49	4.16	5.73	3.64	4.68

Table 2f.--Daily maximum, minimum, and mean gage height at station 08042528, Star Lake, October 1983 to September 1985

[in feet]

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1983			November			December			January 1984		
1	---	---	---	5.66	5.59	5.62	5.37	5.30	5.33	5.42	5.33	5.38
2	---	---	---	5.67	5.61	5.64	5.44	5.31	5.39	5.41	5.33	5.39
3	---	---	---	5.67	5.63	5.65	5.54	5.43	5.48	5.43	5.36	5.42
4	---	---	---	5.74	5.65	5.68	5.44	5.42	5.43	5.50	5.43	5.46
5	---	---	---	5.67	5.52	5.56	5.52	5.42	5.46	5.48	5.41	5.44
6	---	---	---	5.65	5.54	5.60	5.45	5.31	5.39	5.50	5.41	5.44
7	---	---	---	5.68	5.63	5.66	5.45	5.38	5.41	5.41	5.30	5.36
8	---	---	---	5.64	5.57	5.62	5.41	5.39	5.39	5.38	5.25	5.31
9	---	---	---	5.69	5.56	5.64	5.42	5.39	5.40	5.62	5.19	5.44
10	---	---	---	5.70	5.63	5.67	5.56	5.37	5.44	5.73	5.55	5.62
11	---	---	---	5.66	5.54	5.63	5.55	5.41	5.47	5.68	5.61	5.65
12	---	---	---	5.64	5.52	5.59	5.42	5.32	5.37	5.70	5.66	5.68
13	---	---	---	5.67	5.60	5.62	5.61	5.33	5.44	5.74	5.67	5.70
14	---	---	---	5.82	5.61	5.69	5.47	5.36	5.42	5.71	5.64	5.68
15	---	---	---	5.66	5.48	5.56	5.44	5.39	5.42	5.79	5.64	5.74
16	---	---	---	5.58	5.52	5.54	5.39	5.04	5.29	5.82	5.77	5.79
17	---	---	---	5.57	5.52	5.53	5.42	5.31	5.38	5.81	5.74	5.77
18	---	---	---	5.61	5.53	5.56	5.42	5.31	5.38	5.83	5.75	5.78
19	---	---	---	5.89	5.52	5.59	5.43	5.33	5.39	5.84	5.78	5.81
20	---	---	---	5.58	5.51	5.56	5.40	5.28	5.34	5.82	5.68	5.74
21	---	---	---	5.54	5.43	5.49	5.48	5.21	5.37	5.83	5.74	5.79
22	---	---	---	5.50	5.33	5.43	5.44	5.34	5.40	5.81	5.61	5.71
23	---	---	---	5.51	5.35	5.41	5.46	5.39	5.44	5.88	5.74	5.83
24	---	---	---	5.39	5.32	5.35	5.37	5.00	5.22	5.86	5.83	5.85
25	---	---	---	5.41	5.35	5.37	5.34	5.32	5.32	5.85	5.81	5.83
26	5.74	5.72	5.73	5.39	5.32	5.35	5.44	5.34	5.38	5.86	5.83	5.85
27	5.74	5.70	5.72	5.50	5.34	5.42	5.46	5.44	5.45	5.90	5.86	5.87
28	5.73	5.71	5.71	5.45	5.40	5.41	5.46	5.25	5.39	5.91	5.84	5.86
29	5.71	5.65	5.69	5.40	5.27	5.34	5.41	5.23	5.33	5.86	5.83	5.84
30	5.70	5.63	5.66	5.39	5.29	5.33	5.43	5.40	5.42	5.83	5.63	5.76
31	5.67	5.60	5.64	---	---	---	5.43	5.39	5.42	5.78	5.69	5.76
Month	5.74	5.60	5.69	5.89	5.27	5.54	5.61	5.00	5.39	5.91	5.19	5.66

Table 2f.--Daily maximum, minimum, and mean gage height at station 08042528, Star Lake, October 1983 to September 1985--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1984			March			April			May		
1	5.78	5.75	5.76	---	---	---	4.83	4.79	4.81	4.87	4.86	4.87
2	5.75	5.66	5.71	---	---	---	4.98	4.74	4.90	4.88	4.87	4.88
3	5.77	5.66	5.74	---	---	---	4.89	4.85	4.87	5.03	4.88	4.97
4	5.77	5.71	5.75	---	---	---	4.88	4.81	4.86	5.01	4.98	5.00
5	5.76	5.62	5.74	---	---	---	4.88	4.68	4.83	5.00	4.99	4.99
6	5.70	5.60	5.66	---	---	---	4.89	4.84	4.86	5.01	4.99	5.00
7	5.69	5.61	5.65	---	---	---	4.85	4.66	4.77	5.02	5.00	5.01
8	5.63	5.42	5.55	---	---	---	4.93	4.81	4.87	5.02	5.00	5.00
9	5.76	5.53	5.66	---	---	---	4.89	4.86	4.87	5.04	5.00	5.02
10	5.77	5.70	5.74	---	---	---	4.88	4.86	4.87	5.05	5.03	5.04
11	5.70	5.62	5.66	---	---	---	4.88	4.86	4.87	5.06	5.04	5.05
12	5.84	5.66	5.75	---	---	---	4.88	4.86	4.87	5.07	5.04	5.05
13	5.76	5.74	5.75	---	---	---	4.88	4.86	4.87	5.06	5.04	5.05
14	---	---	---	---	---	---	4.90	4.80	4.86	5.06	5.04	5.05
15	---	---	---	---	---	---	4.95	4.79	4.90	5.15	5.03	5.10
16	---	---	---	---	---	---	4.91	4.79	4.86	5.14	5.11	5.13
17	---	---	---	---	---	---	4.90	4.84	4.87	5.12	5.11	5.11
18	---	---	---	---	---	---	4.90	4.89	4.89	5.11	5.10	5.11
19	---	---	---	---	---	---	4.91	4.89	4.90	5.35	5.07	5.14
20	---	---	---	---	---	---	4.90	4.89	4.89	5.60	5.37	5.54
21	---	---	---	---	---	---	4.90	4.89	4.89	5.72	5.52	5.62
22	---	---	---	5.00	4.96	4.97	4.90	4.87	4.89	5.66	5.47	5.61
23	---	---	---	5.03	4.94	4.97	4.90	4.87	4.88	5.63	5.60	5.61
24	---	---	---	5.07	4.98	5.03	4.89	4.87	4.88	5.67	5.61	5.64
25	---	---	---	5.02	5.00	5.01	4.89	4.87	4.88	5.71	5.63	5.67
26	---	---	---	5.01	5.00	5.01	4.89	4.88	4.88	5.64	5.60	5.63
27	---	---	---	5.25	4.90	5.05	4.88	4.88	4.88	5.61	5.59	5.60
28	---	---	---	4.90	4.89	4.90	4.88	4.88	4.88	5.60	5.57	5.58
29	---	---	---	4.91	4.87	4.89	4.88	4.87	4.88	5.57	5.40	5.46
30	---	---	---	4.87	4.76	4.83	4.88	4.86	4.87	5.47	5.31	5.42
31	---	---	---	4.84	4.79	4.81	---	---	---	5.46	5.41	5.44
Month	5.84	5.42	5.70	5.25	4.76	4.95	4.98	4.66	4.87	5.72	4.86	5.24

Table 2f.--Daily maximum, minimum, and mean gage height at station 08042528, Star Lake, October 1983 to September 1985--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	June 1984			July			August			September		
1	5.44	5.42	5.43	4.59	4.59	4.59	4.73	4.64	4.69	4.61	4.51	4.57
2	5.42	5.36	5.39	---	---	---	4.78	4.73	4.75	4.78	4.59	4.71
3	5.36	5.31	5.34	---	---	---	4.78	4.74	4.76	4.80	4.75	4.76
4	5.32	5.29	5.31	---	---	---	4.76	4.73	4.74	4.76	4.68	4.72
5	5.32	5.24	5.28	---	---	---	4.82	4.70	4.74	4.71	4.58	4.65
6	5.41	5.24	5.30	---	---	---	4.81	4.70	4.73	4.68	4.55	4.64
7	5.37	5.28	5.33	---	---	---	4.79	4.70	4.75	4.76	4.67	4.69
8	5.33	5.26	5.30	---	---	---	4.74	4.71	4.72	4.87	4.76	4.83
9	5.31	5.26	5.28	---	---	---	4.73	4.71	4.72	4.92	4.86	4.89
10	5.26	5.21	5.25	4.63	4.58	4.61	4.71	4.64	4.67	4.95	4.90	4.93
11	5.29	5.21	5.25	4.60	4.53	4.57	4.64	4.59	4.61	4.93	4.87	4.90
12	5.24	5.23	5.24	4.63	4.50	4.57	4.62	4.59	4.60	4.88	4.84	4.87
13	5.23	5.21	5.22	4.58	4.54	4.56	4.65	4.59	4.61	4.84	4.80	4.82
14	5.22	5.21	5.21	4.56	4.54	4.54	4.68	4.64	4.66	4.80	4.75	4.78
15	5.21	5.19	5.20	4.62	4.52	4.57	4.66	4.64	4.65	4.75	4.52	4.66
16	5.19	5.15	5.17	4.61	4.52	4.54	4.67	4.63	4.65	4.56	4.39	4.50
17	5.15	5.13	5.15	4.52	4.51	4.52	4.66	4.62	4.64	4.63	4.50	4.56
18	5.13	5.11	5.13	4.54	4.51	4.52	4.65	4.62	4.63	4.74	4.59	4.66
19	5.11	5.09	5.10	4.53	4.50	4.52	4.63	4.61	4.62	4.77	4.60	4.71
20	5.09	5.05	5.08	4.53	4.51	4.52	4.62	4.60	4.61	4.89	4.64	4.75
21	5.06	5.03	5.05	4.53	4.50	4.52	4.67	4.58	4.62	5.04	4.85	4.95
22	5.03	4.86	5.01	4.53	4.50	4.51	4.60	4.54	4.57	5.17	5.04	5.13
23	5.00	4.98	4.99	4.53	4.51	4.52	4.55	4.50	4.53	5.19	5.14	5.16
24	4.97	4.82	4.91	4.53	4.50	4.52	4.51	4.45	4.48	5.16	5.14	5.15
25	4.82	4.76	4.79	4.54	4.52	4.53	4.48	4.40	4.44	5.19	5.15	5.18
26	4.76	4.74	4.75	4.58	4.53	4.55	4.58	4.47	4.53	5.19	5.13	5.17
27	4.75	4.72	4.74	4.61	4.57	4.59	4.63	4.50	4.57	5.16	5.14	5.15
28	4.73	4.65	4.67	4.62	4.60	4.61	4.61	4.52	4.56	5.16	5.07	5.13
29	4.68	4.62	4.65	4.63	4.61	4.62	4.59	4.51	4.54	5.07	5.00	5.03
30	4.67	4.59	4.63	4.63	4.61	4.62	4.59	4.45	4.53	5.05	4.97	5.01
31	---	---	---	4.64	4.61	4.63	4.57	4.47	4.54	---	---	---
Month	5.44	4.59	5.11	4.64	4.50	4.56	4.82	4.40	4.63	5.19	4.39	4.86

Table 2f.--Daily maximum, minimum, and mean gage height at station 08042528, Star Lake, October 1983 to September 1985--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1984			November			December			January 1985		
1	4.97	4.89	4.92	6.38	6.36	6.37	6.02	5.97	6.00	5.05	4.77	4.94
2	4.89	4.87	4.88	6.36	6.23	6.33	6.04	5.97	6.01	5.06	4.88	4.98
3	4.88	4.83	4.86	6.36	6.31	6.34	6.04	5.91	5.98	5.01	4.94	4.96
4	4.84	4.79	4.82	6.36	6.32	6.35	5.91	5.82	5.85	5.28	5.01	5.21
5	4.94	4.84	4.89	6.33	6.22	6.28	5.96	5.83	5.91	5.25	5.11	5.18
6	4.99	4.90	4.94	6.26	6.21	6.23	5.96	5.94	5.95	5.18	5.14	5.16
7	4.97	4.93	4.95	6.25	6.23	6.24	5.99	5.95	5.97	5.14	5.05	5.09
8	5.00	4.96	4.98	6.25	6.23	6.24	5.99	5.98	5.98	5.04	4.96	5.01
9	5.03	4.92	4.99	6.26	6.23	6.24	5.99	5.97	5.98	5.09	4.96	5.01
10	5.11	5.03	5.08	6.31	6.17	6.21	5.98	5.97	5.97	5.17	4.95	5.12
11	5.07	5.02	5.05	6.18	6.10	6.13	5.97	5.94	5.95	5.16	4.91	5.12
12	5.06	5.02	5.04	6.11	6.06	6.08	5.95	5.92	5.94	5.14	5.08	5.10
13	5.06	5.02	5.04	6.06	6.01	6.03	5.92	5.86	5.89	5.12	5.08	5.10
14	5.28	5.05	5.17	6.04	6.02	6.03	5.88	5.75	5.80	5.17	5.12	5.15
15	5.36	5.23	5.28	6.03	6.01	6.02	5.78	5.73	5.75	5.15	5.08	5.10
16	5.32	5.24	5.28	6.01	5.85	5.92	5.76	5.74	5.75	5.25	5.09	5.16
17	5.39	5.02	5.27	5.91	5.84	5.87	5.77	5.76	5.76	5.27	5.17	5.23
18	5.47	5.39	5.44	6.06	5.91	6.01	5.77	5.76	5.76	5.22	4.99	5.17
19	5.52	5.42	5.48	6.05	5.98	6.01	5.77	5.76	5.76	5.11	5.03	5.06
20	5.75	5.52	5.66	5.99	5.93	5.96	5.80	5.76	5.77	5.21	4.86	5.11
21	5.85	5.71	5.75	5.97	5.92	5.94	5.78	5.56	5.68	5.16	5.05	5.11
22	6.27	5.71	6.04	5.94	5.93	5.93	5.58	5.53	5.56	5.04	4.94	4.99
23	6.43	6.28	6.37	5.93	5.91	5.92	5.59	5.33	5.48	4.94	4.84	4.89
24	6.48	6.40	6.43	5.92	5.84	5.88	5.51	5.43	5.48	4.90	4.84	4.88
25	6.52	6.48	6.51	5.92	5.86	5.90	5.52	5.50	5.51	4.85	4.81	4.83
26	6.51	6.49	6.50	6.09	5.90	5.96	5.50	5.45	5.47	4.82	4.70	4.78
27	6.53	6.49	6.51	6.09	6.06	6.07	5.46	5.33	5.41	5.14	4.79	4.96
28	6.51	6.46	6.50	6.07	6.06	6.06	5.35	5.11	5.31	5.18	5.04	5.08
29	6.47	6.43	6.46	6.07	6.06	6.07	5.30	5.11	5.25	5.11	4.99	5.05
30	6.43	6.39	6.41	6.08	6.02	6.04	5.36	4.78	5.13	5.19	5.12	5.17
31	6.39	6.37	6.39	---	---	---	5.11	5.00	5.06	5.32	5.20	5.25
Month	6.53	4.79	5.54	6.38	5.84	6.09	6.04	4.78	5.71	5.32	4.70	5.06

Table 2f.--Daily maximum, minimum, and mean gage height at station 08042528, Star Lake, October 1983 to September 1985--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1985			March			April			May		
1	5.32	5.22	5.26	5.82	5.78	5.81	5.57	5.52	5.55	5.00	4.89	4.97
2	5.28	5.13	5.21	5.90	5.82	5.86	5.52	5.42	5.46	4.89	4.71	4.80
3	5.13	5.08	5.10	5.88	5.86	5.87	5.49	5.37	5.44	4.71	4.46	4.55
4	5.25	5.10	5.18	5.86	5.78	5.83	5.44	5.26	5.36	4.50	4.46	4.48
5	5.29	5.25	5.28	5.78	5.70	5.74	5.36	5.20	5.27	4.56	4.50	4.53
6	5.30	5.21	5.25	5.72	5.64	5.67	5.20	5.05	5.11	4.59	4.55	4.57
7	5.25	5.19	5.22	5.73	5.69	5.72	5.11	5.07	5.09	4.66	4.59	4.62
8	5.28	5.23	5.26	5.73	5.71	5.72	5.09	4.77	4.92	4.70	4.66	4.68
9	5.34	5.23	5.28	5.71	5.70	5.71	4.92	4.92	4.92	4.69	4.58	4.62
10	5.57	5.31	5.36	5.70	5.66	5.69	4.92	4.91	4.91	4.61	4.56	4.59
11	5.70	5.55	5.65	5.68	5.64	5.66	4.93	4.87	4.90	4.64	4.59	4.62
12	5.55	5.46	5.49	5.64	5.56	5.60	4.95	4.93	4.94	4.67	4.64	4.66
13	5.46	5.39	5.42	5.56	5.52	5.55	4.99	4.95	4.97	4.79	4.67	4.74
14	5.39	5.35	5.37	5.82	5.49	5.66	5.05	4.99	5.02	4.87	4.77	4.83
15	5.35	5.32	5.33	5.91	5.82	5.86	5.16	5.05	5.11	4.85	4.63	4.71
16	5.32	5.26	5.29	6.03	5.91	5.97	5.11	4.91	5.01	4.68	4.62	4.66
17	5.26	5.21	5.24	6.03	5.98	6.00	4.91	4.79	4.85	4.62	4.47	4.54
18	5.21	5.16	5.18	5.98	5.95	5.97	4.79	4.74	4.76	4.47	4.33	4.38
19	5.15	5.11	5.14	5.95	5.83	5.90	4.76	4.73	4.74	4.48	4.39	4.43
20	5.11	4.99	5.06	6.11	5.85	5.98	4.73	4.73	4.73	4.57	4.48	4.53
21	5.02	4.97	5.00	6.16	6.11	6.14	4.81	4.73	4.78	4.72	4.42	4.62
22	4.99	4.97	4.98	6.11	6.07	6.09	4.88	4.81	4.85	4.71	4.68	4.69
23	5.12	4.98	5.01	6.07	6.05	6.06	4.95	4.88	4.92	4.70	4.55	4.62
24	5.53	5.13	5.43	6.05	5.96	5.99	4.95	4.92	4.94	4.63	4.59	4.61
25	5.75	5.53	5.66	5.96	5.87	5.91	4.93	4.91	4.92	4.66	4.62	4.64
26	5.75	5.74	5.75	5.86	5.76	5.81	4.96	4.91	4.93	4.70	4.66	4.68
27	5.79	5.72	5.76	5.82	5.78	5.80	4.99	4.96	4.98	4.71	4.69	4.70
28	5.78	5.72	5.75	5.82	5.77	5.80	5.01	4.99	5.00	4.76	4.71	4.74
29	---	---	---	5.77	5.70	5.73	5.02	4.97	5.00	4.85	4.76	4.81
30	---	---	---	5.70	5.66	5.68	5.01	4.97	4.99	4.92	4.85	4.88
31	---	---	---	5.67	5.57	5.62	---	---	---	4.94	4.84	4.89
Month	5.79	4.97	5.32	6.16	5.49	5.82	5.57	4.73	5.01	5.00	4.33	4.66

Table 2f.--Daily maximum, minimum, and mean gage height at station 08042528, Star Lake, October 1983 to September 1985--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	June 1985			July			August			September		
1	4.84	4.71	4.79	4.80	4.75	4.77	4.53	4.47	4.49	5.10	5.06	5.08
2	4.74	4.69	4.71	4.79	4.73	4.75	4.49	4.19	4.40	5.21	5.09	5.12
3	4.69	4.61	4.65	4.73	4.58	4.68	4.23	4.22	4.22	5.22	5.07	5.16
4	4.65	4.58	4.62	4.71	4.62	4.65	4.23	4.23	4.23	5.11	5.04	5.08
5	4.65	4.60	4.62	4.73	4.69	4.71	4.56	4.23	4.40	5.35	5.05	5.17
6	4.65	4.61	4.63	4.77	4.73	4.74	4.64	4.53	4.57	5.24	5.14	5.19
7	4.69	4.59	4.63	4.73	4.69	4.71	4.64	4.37	4.57	5.17	5.10	5.15
8	4.67	4.56	4.60	4.73	4.70	4.71	4.57	4.43	4.49	5.12	5.06	5.10
9	4.56	4.41	4.49	4.76	4.69	4.72	4.59	4.47	4.52	5.09	5.02	5.06
10	4.41	4.35	4.38	4.73	4.66	4.69	4.48	4.41	4.44	5.10	5.02	5.07
11	4.43	4.31	4.38	4.67	4.58	4.60	4.41	4.36	4.38	5.14	5.04	5.09
12	4.34	4.23	4.31	4.61	4.58	4.59	4.39	4.32	4.35	5.12	5.10	5.11
13	4.28	4.18	4.21	4.58	4.56	4.57	4.41	4.35	4.37	5.11	5.07	5.09
14	4.22	4.19	4.21	4.66	4.55	4.59	4.46	4.37	4.40	5.07	4.96	5.03
15	4.23	4.22	4.22	4.65	4.56	4.59	4.70	4.46	4.57	5.10	4.92	4.99
16	4.23	4.23	4.23	4.63	4.26	4.55	4.82	4.70	4.75	5.15	5.09	5.11
17	4.72	4.23	4.53	4.60	4.42	4.58	4.84	4.74	4.78	5.15	5.09	5.12
18	4.95	4.65	4.81	4.60	4.57	4.58	4.82	4.75	4.77	5.17	5.08	5.13
19	4.96	4.85	4.89	4.65	4.57	4.60	4.78	4.72	4.74	5.18	5.11	5.14
20	5.00	4.82	4.90	4.70	4.59	4.64	4.76	4.45	4.68	5.23	5.15	5.19
21	5.08	4.98	5.01	4.70	4.61	4.65	4.64	4.61	4.62	5.24	5.16	5.21
22	5.08	5.02	5.05	4.71	4.60	4.64	4.69	4.62	4.65	5.27	5.24	5.26
23	5.06	5.02	5.03	4.67	4.57	4.61	4.77	4.66	4.70	5.38	5.27	5.33
24	5.03	4.95	4.99	4.63	4.55	4.59	4.82	4.70	4.75	5.31	5.22	5.26
25	4.95	4.89	4.92	4.61	4.56	4.59	4.84	4.67	4.77	5.41	5.24	5.32
26	4.89	4.84	4.88	4.58	4.53	4.55	4.78	4.66	4.75	5.29	5.12	5.19
27	4.93	4.82	4.86	4.60	4.42	4.53	4.75	4.51	4.69	5.21	5.14	5.18
28	4.85	4.75	4.78	4.56	4.46	4.50	4.87	4.68	4.76	5.18	5.09	5.14
29	4.75	4.65	4.71	4.58	4.47	4.52	4.93	4.83	4.88	5.36	5.11	5.19
30	4.77	4.73	4.75	4.61	4.51	4.55	4.99	4.90	4.94	5.37	5.25	5.33
31	---	---	---	4.58	4.51	4.54	5.06	4.97	5.00	---	---	---
Month	5.08	4.18	4.66	4.80	4.26	4.62	5.06	4.19	4.60	5.41	4.92	5.15

Table 2g.--Daily maximum, minimum, and mean gage height at station 08042522, Alligator Bayou pump station, April 1985 to March 1986

[in feet]

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	April 1985			May			June			July		
1	---	---	---	2.13	1.22	1.67	2.08	.53	1.58	1.89	.25	1.36
2	---	---	---	1.43	.40	1.05	2.07	.61	1.62	1.86	.27	1.30
3	---	---	---	1.41	.45	.98	2.14	.59	1.64	1.95	.05	1.13
4	---	---	---	1.96	.75	1.53	2.37	.59	1.79	2.08	.08	1.31
5	---	---	---	2.15	.76	1.74	2.32	.84	1.80	2.20	.97	1.65
6	---	---	---	2.17	.81	1.51	2.20	.92	1.69	1.78	.62	1.34
7	---	---	---	---	---	---	1.94	.68	1.46	1.95	.83	1.44
8	---	---	---	---	---	---	1.60	.70	1.26	1.80	1.24	1.47
9	---	---	---	1.85	1.36	1.65	1.49	.81	1.21	1.57	.95	1.24
10	---	---	---	1.98	.74	1.52	1.75	.95	1.41	1.44	.61	1.11
11	---	---	---	2.28	1.01	1.76	1.97	1.03	1.56	1.50	.50	1.00
12	---	---	---	2.20	1.34	1.73	1.61	.82	1.29	1.64	.67	1.22
13	---	---	---	3.03	1.75	2.33	1.79	1.00	1.45	1.78	.70	1.40
14	---	---	---	2.47	1.60	2.19	2.35	1.28	1.91	1.90	.51	1.40
15	---	---	---	1.90	1.09	1.60	2.24	.95	1.80	1.71	.28	1.25
16	1.42	1.18	1.23	1.84	1.08	1.53	2.02	.96	1.69	1.59	.37	1.18
17	1.67	.80	1.30	1.61	.61	1.21	2.53	.91	1.86	1.92	.10	1.21
18	1.97	1.30	1.72	2.05	.63	1.52	2.42	.37	1.63	2.00	.22	1.46
19	2.29	1.25	1.88	2.27	1.09	1.82	1.86	.37	1.48	2.30	.73	1.66
20	2.30	1.17	1.93	2.27	1.09	1.80	2.25	1.40	1.95	2.01	.86	1.47
21	2.60	1.37	2.29	2.77	1.03	1.87	2.84	1.24	2.22	1.87	.64	1.46
22	3.07	1.76	2.57	2.38	.86	1.74	2.66	1.80	2.31	1.68	.91	1.38
23	2.81	1.56	2.35	2.31	.00	1.68	2.04	1.63	1.79	1.56	.99	1.28
24	2.31	1.21	1.95	2.20	.00	1.72	2.08	1.39	1.76	1.88	1.16	1.48
25	2.27	1.00	1.81	1.75	.95	1.22	2.09	1.66	1.88	1.86	.73	1.47
26	2.90	1.46	2.35	2.16	1.61	1.98	1.98	1.32	1.72	1.70	.23	1.16
27	2.30	1.90	2.03	2.21	1.16	1.77	1.99	.81	1.54	1.64	.35	1.27
28	2.51	1.71	2.16	2.26	1.38	1.87	1.72	.40	1.19	1.94	.37	1.22
29	2.12	1.20	1.79	2.31	1.62	1.93	1.86	.62	1.32	1.78	.23	1.15
30	2.13	1.13	1.73	2.30	1.34	1.93	1.93	.36	1.42	1.82	.34	1.32
31	---	---	---	2.32	.93	1.81	---	---	---	1.58	.09	1.15

Table 2g.--Daily maximum, minimum, and mean gage height at station 08042522, Alligator Bayou pump station, April 1985 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	August 1985			September			October			November		
1	1.55	.13	1.04	2.94	2.35	2.67	2.08	1.08	1.63	2.52	1.39	1.87
2	2.03	.10	1.04	2.49	1.89	2.15	2.35	1.59	2.00	2.79	1.97	2.40
3	1.88	.14	1.23	2.87	1.43	1.89	2.44	2.24	2.33	2.60	1.63	2.11
4	1.84	.74	1.43	2.82	2.21	2.57	2.50	1.39	2.01	2.34	1.38	1.85
5	1.74	1.14	1.47	3.08	1.87	2.45	2.11	.41	1.13	2.20	1.30	1.79
6	1.74	1.15	1.46	2.95	1.67	2.24	1.95	1.08	1.56	2.32	1.35	1.84
7	1.84	.88	1.34	2.44	2.19	2.35	2.25	1.40	1.90	2.07	1.16	1.59
8	1.65	.84	1.25	2.32	1.11	1.65	2.60	1.62	2.24	2.38	1.66	1.92
9	1.64	.63	1.24	2.50	1.18	1.89	2.39	1.42	2.06	2.58	2.06	2.34
10	1.53	.35	1.08	2.60	1.36	2.03	2.72	1.46	2.19	2.66	1.86	2.30
11	1.49	.46	1.11	2.56	1.44	2.15	2.39	1.59	2.08	2.51	1.52	2.18
12	1.78	.62	1.33	2.62	1.31	2.10	2.42	1.69	2.09	2.46	1.68	2.31
13	2.03	.81	1.61	2.27	1.31	1.99	2.48	1.72	2.15	2.54	1.87	2.39
14	2.50	1.10	1.95	2.26	1.87	2.06	2.70	1.67	2.24	2.52	1.28	2.03
15	2.52	.43	1.70	3.16	2.00	2.74	2.46	1.08	2.02	---	---	---
16	2.26	.39	1.67	2.81	2.18	2.59	2.38	1.12	1.86	2.25	1.07	1.79
17	2.14	1.08	1.78	2.81	2.08	2.53	2.70	1.34	2.16	2.51	1.51	2.09
18	1.78	.93	1.46	3.01	2.08	2.60	3.00	2.52	2.82	2.83	1.74	2.28
19	1.72	.92	1.34	3.10	2.09	2.68	2.86	2.06	2.68	2.77	1.80	2.46
20	1.92	.90	1.43	3.19	1.88	2.40	2.80	2.57	2.72	1.74	1.25	1.50
21	1.81	.92	1.50	3.19	2.18	2.74	2.42	1.76	2.12	2.01	1.48	1.79
22	1.84	.86	1.52	3.25	2.19	2.84	2.71	2.42	2.61	2.55	1.61	2.19
23	2.15	.83	1.65	3.00	1.60	2.48	---	---	---	2.93	2.32	2.69
24	---	---	---	2.23	1.25	1.89	2.68	2.10	2.45	2.68	1.68	2.13
25	2.09	.83	1.49	2.56	1.59	2.24	2.73	2.25	2.51	2.48	2.14	2.41
26	2.33	.83	1.74	1.94	1.09	1.54	2.99	2.43	2.71	2.67	1.95	2.55
27	2.62	1.32	2.14	2.33	1.25	1.88	2.87	2.52	2.76	2.70	2.20	2.55
28	2.70	1.62	2.32	2.48	1.76	2.17	1.40	1.28	1.35	---	---	---
29	2.61	1.65	2.24	2.76	2.01	2.40	1.68	1.31	1.48	2.66	1.53	1.90
30	2.80	1.62	2.29	2.39	1.39	1.89	1.31	.65	.95	2.66	1.67	2.02
31	2.89	1.92	2.47	---	---	---	1.50	.15	.80	---	---	---

Table 2g.--Daily maximum, minimum, and mean gage height at station 08042522, Alligator Bayou pump station, April 1985 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	December 1985			January, 1986			February			March		
1	---	---	---	1.70	.66	1.22	1.80	1.24	1.55	1.33	.06	.93
2	2.66	.40	.86	1.94	1.19	1.58	1.74	.78	1.35	1.66	.42	1.17
3	2.48	1.42	1.85	1.92	1.33	1.57	2.52	.66	1.66	1.48	.21	1.01
4	2.55	1.84	2.36	1.87	1.28	1.63	2.51	1.12	2.03	1.30	.02	.83
5	2.39	.70	1.38	1.58	.00	.89	2.49	.88	1.79	1.90	.00	1.11
6	1.57	1.06	1.39	2.40	.75	1.63	2.49	.61	1.35	1.87	.44	1.19
7	2.20	1.53	1.86	2.41	1.01	1.65	2.29	.25	1.37	1.72	.15	1.08
8	2.28	1.26	1.88	1.92	.28	1.29	2.44	1.60	2.11	1.89	.69	1.48
9	2.34	1.22	1.95	2.14	.30	1.38	2.02	1.24	1.84	1.95	.98	1.65
10	2.72	1.20	2.14	2.15	.14	1.33	2.04	.74	1.38	2.14	1.22	1.83
11	2.80	1.40	2.14	1.89	.89	1.57	1.02	.11	.67	1.92	1.40	1.75
12	2.35	.85	1.81	2.03	.52	1.40	1.50	.66	1.09	2.38	1.58	1.99
13	2.24	.16	1.14	1.46	.02	.95	1.90	.84	1.34	1.94	1.19	1.66
14	1.04	.44	.82	1.35	.39	.94	2.28	1.20	1.85	2.23	.61	1.72
15	1.95	.76	1.32	1.45	.54	1.10	1.97	.58	1.21	1.24	1.24	1.24
16	2.00	.64	1.43	1.81	1.17	1.46	2.19	1.35	1.73	---	---	---
17	1.87	1.67	1.81	2.00	1.35	1.73	2.32	1.35	1.81	2.19	1.99	2.10
18	1.74	1.19	1.51	1.89	1.20	1.57	2.00	1.08	1.68	2.62	1.58	2.17
19	2.04	1.13	1.55	1.72	.76	1.31	1.99	1.00	1.71	1.82	1.05	1.43
20	1.99	1.13	1.43	1.71	.61	1.21	2.00	.81	1.47	1.44	.23	.88
21	1.70	1.00	1.43	1.73	.66	1.39	1.81	1.81	1.81	1.21	.05	.74
22	1.92	.86	1.49	1.64	.33	1.09	1.69	.50	1.16	1.42	.42	1.01
23	1.89	.69	1.46	1.75	.11	1.01	1.92	.58	1.32	1.48	.42	1.06
24	1.87	.97	1.57	2.16	.69	1.59	2.09	1.28	1.78	1.29	.29	.92
25	---	---	---	2.22	.81	1.54	1.57	.52	1.23	1.70	.80	1.25
26	1.81	.05	1.06	---	---	---	2.04	1.25	1.65	1.80	1.15	1.51
27	1.92	.66	1.46	.62	.05	.43	1.80	.26	1.23	1.21	.36	.73
28	1.69	.22	1.03	1.31	.34	.94	.87	.02	.40	1.54	.39	1.24
29	1.73	.16	1.12	1.33	.33	.97	---	---	---	1.65	.69	1.42
30	2.16	.93	1.66	1.42	.41	.99	---	---	---	1.97	.42	1.38
31	2.30	.99	1.60	1.90	1.17	1.43	---	---	---	---	---	---

Table 3a.--Discharge at station 08042534, Keith Lake Pass, October 1984 to March 1986

[in cubic feet per second; -, negative flow direction]

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1984			November			December			January 1985		
1	---	---	---	4,190	-4,990	-47	2,690	-3,620	-680	4,960	-2,460	1,200
2	---	---	---	5,210	-6,760	940	3,550	-3,110	660	4,540	-3,970	840
3	---	---	---	4,160	-2,230	970	4,360	-3,090	160	4,850	-2,770	2,100
4	---	---	---	3,740	-2,950	400	1,610	-5,430	-2,500	3,790	-2,980	1,300
5	---	---	---	4,770	-2,690	2,200	4,870	-2,850	1,800	3,720	-4,120	-71
6	---	---	---	4,400	-4,160	330	5,060	-2,490	2,300	4,500	-3,950	120
7	---	---	---	4,080	-5,070	-1,200	4,330	-4,820	170	4,970	-3,900	780
8	---	---	---	4,430	-4,600	-450	5,180	-3,650	900	4,760	-4,060	79
9	---	---	---	5,080	-4,360	620	4,870	-4,230	670	4,780	-4,480	-1,200
10	3,100	-1,680	1,600	6,100	-1,330	2,900	5,120	-4,670	670	4,770	-3,910	1,100
11	3,980	-3,840	-92	4,060	-4,500	800	4,610	-4,200	420	4,250	-2,870	1,100
12	4,370	-4,170	- 140	4,630	-3,730	500	4,540	-5,090	-93	2,460	-3,010	-150
13	4,400	-4,070	31	4,060	-3,640	-11	3,230	-4,980	-1,000	2,080	-2,860	-730
14	5,360	-4,960	- 140	4,360	-4,410	-91	3,330	-4,590	-410	4,250	-2,800	560
15	5,720	-4,000	690	4,460	-3,720	510	2,080	-4,430	-1,600	4,870	-3,490	16
16	4,370	-3,800	- 180	4,030	-3,510	350	2,800	-2,740	320	3,740	-4,670	-96
17	3,510	-5,780	- 110	2,550	-4,460	-1,600	4,040	-3,590	68	5,310	-2,750	1,900
18	5,120	-5,890	120	3,940	-4,200	-860	4,610	-4,330	-81	4,270	-4,130	480
19	4,800	-4,610	190	---	---	---	5,150	-4,840	280	4,380	-4,650	-51
20	4,180	-4,550	-1,500	---	---	---	5,190	-5,060	-100	5,150	-3,120	1,700
21	4,310	-5,430	- 990	---	---	---	5,140	-4,730	58	3,700	-3,420	830
22	4,930	-4,000	380	---	---	---	5,480	-4,780	680	4,120	-3,350	420
23	5,730	-4,600	970	---	---	---	4,950	-4,980	140	4,490	-3,550	-68
24	5,690	-4,950	590	---	---	---	4,960	-4,930	-260	4,230	-2,630	260
25	6,410	-4,470	11	---	---	---	4,680	-4,010	440	3,630	-3,120	430
26	6,180	-4,020	500	-2,350	-5,280	-4,000	4,180	-3,570	-82	2,550	-2,780	-630
27	5,970	-4,360	950	5,780	-3,350	1,900	3,250	-4,030	-780	3,570	-4,170	-100
28	5,990	-3,540	1,600	3,370	-4,240	480	2,900	-4,070	-630	4,470	-2,930	1,000
29	4,980	-3,840	1,300	3,320	-4,100	-400	2,260	-3,440	-170	3,140	-3,290	-1,200
30	4,480	-4,180	400	4,260	-6,520	130	2,940	-2,510	-540	3,810	-3,270	-86
31	5,130	-4,620	440	---	---	---	2,440	-4,800	-1,200	4,120	-2,180	1,000

Table 3a.--Discharge at station 08042534, Keith Lake Pass, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1985			March			April			May		
1	3,350	2,060	3,000	3,770	-2,680	1,200	----	----	----	---	---	---
2	838	-2,910	-1,000	4,100	-3,870	510				---	---	---
3	3,900	-4,110	-600	4,070	-5,350	-1,200				---	---	---
4	3,850	-4,790	-900	4,060	-4,600	200				---	---	---
5	4,890	-3,180	1,000	5,020	-3,250	240				---	---	---
6	4,410	-4,040	590	3,530	-4,120	-260				---	---	---
7	4,150	-3,760	-150	---	---	---				---	---	---
8	4,260	-3,560	-470	---	---	---				---	---	---
9	2,900	-3,760	-1,300	---	---	---				---	---	---
10	4,350	-3,230	-440	---	---	---				---	---	---
11	5,290	3,080	4,200	---	---	---				---	---	---
12	3,170	-2,280	180	---	---	---				---	---	---
13	3,360	-3,570	100	---	---	---				2,650	-3,350	-800
14	3,950	-2,860	290	---	---	---				3,890	-2,990	35
15	4,240	-2,360	1,300	---	---	---				4,010	-2,470	530
16	3,170	-5,160	-1,200	---	---	---				3,890	-3,120	430
17	5,530	-3,940	230	---	---	---				3,600	-2,980	530
18	4,850	-3,630	600	---	---	---				4,680	-3,990	-750
19	4,070	-4,040	340	---	---	---				4,540	-5,270	-330
20	4,200	-4,640	-680	---	---	---				3,790	-4,380	-1,000
21	3,720	-4,200	-1,100	---	---	---				4,990	-4,610	260
22	2,750	-3,990	-1,500	---	---	---				4,200	-5,920	-1,400
23	3,850	-4,850	-1,400	---	---	---				---	---	---
24	3,340	-3,530	18	---	---	---				---	---	---
25	4,200	-3,550	310	---	---	---				---	---	---
26	4,750	-2,490	740	---	---	---				---	---	---
27	4,600	-2,590	1,000	---	---	---				---	---	---
28	3,780	-3,960	-400	---	---	---				---	---	---
29	---	---	---	---	---	---				---	---	---
30	---	---	---	---	---	---				---	---	---
31	---	---	---	---	---	---				---	---	---

Table 3a.--Discharge at station 08042534, Keith Lake Pass, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	June 1985			July			August			September		
1	---	---	---	4,390	-4,490	-470				---	---	---
2	---	---	---	4,470	-4,460	220				---	---	---
3	---	---	---	4,740	-4,300	350				---	---	---
4	---	---	---	4,470	-4,860	-630				---	---	---
5	---	---	---	3,980	-4,660	-18				---	---	---
6	---	---	---	4,350	-3,660	110				---	---	---
7	---	---	---	3,930	-3,050	-330				---	---	---
8	---	---	---	2,930	-2,980	570				---	---	---
9	---	---	---	2,970	-2,790	530				---	---	---
10	---	---	---	4,280	-2,800	960				---	---	---
11	---	---	---	2,950	-3,050	400				---	---	---
12	---	---	---	3,860	-3,640	-10				---	---	---
13	---	---	---	3,720	-4,090	-73				---	---	---
14	---	---	---	3,970	-3,890	500				---	---	---
15	---	---	---	4,390	-4,400	140				---	---	---
16	4,200	-1,460	1,800	3,760	-4,270	310				---	---	---
17	4,460	-4,840	-100	---	---	---				---	---	---
18	5,220	-5,030	990	---	---	---				3,700	-4,380	-1,100
19	4,380	-3,730	320	---	---	---				4,760	-4,870	-1,100
20	3,970	-4,160	-510	---	---	---				5,940	-4,400	-430
21	3,800	-5,220	-1,400	---	---	---				4,700	-5,030	-760
22	3,740	-4,620	-870	---	---	---				4,850	-5,040	-470
23	4,160	-3,440	320	---	---	---				5,850	-4,480	1,500
24	3,830	-3,810	-240	---	---	---				4,870	-1,800	1,500
25	3,140	-4,130	-670	---	---	---				5,100	-4,070	630
26	3,850	-3,060	170	---	---	---				5,160	-3,120	1,000
27	2,600	-4,500	-1,200	---	---	---				4,080	-3,470	-490
28	4,290	-3,090	1,000	---	---	---				2,700	-4,100	-1,300
29	4,560	-3,800	87	---	---	---				4,670	-4,150	-1,400
30	4,770	-4,500	690	---	---	---				---	---	---
31	---	---	---	---	---	---				---	---	---

Table 3a.--Discharge at station 08042534, Keith Lake Pass, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1985			November			December			January 1986		
1	4,290	-4,390	100	---	---	---	---	---	---	3,730	-3,780	-180
2	4,150	-3,700	-240	---	---	---	---	---	---	3,380	-3,440	-520
3	4,290	-3,630	52	---	---	---	---	---	---	3,190	-3,180	-130
4	4,610	-4,700	460	---	---	---	---	---	---	3,670	-2,590	650
5	4,350	-4,300	1,900	---	---	---	4,160	-2,960	1,700	5,220	-2,590	630
6	3,900	-3,700	52	---	---	---	3,920	-3,310	140	4,360	-5,510	-1,500
7	3,440	-4,750	-490	---	---	---	3,440	-3,460	-430	4,810	-4,800	-590
8	3,420	-4,730	-990	---	---	---	5,110	-4,640	-52	3,270	-5,310	-620
9	3,310	-4,630	-550	---	---	---	5,250	-5,330	-640	5,240	-5,130	36
10	4,100	-5,160	-570	---	---	---	5,230	-5,860	-950	6,140	-3,770	1,200
11	4,040	-4,450	-330	---	---	---	5,590	-4,960	810	5,030	-4,910	510
12	3,740	-4,250	-170	---	---	---	5,770	-5,110	1,100	5,330	-3,940	640
13	4,010	-4,360	-570	5,230	-5,610	-1,900	6,370	-2,840	3,100	4,950	-3,480	970
14	4,380	-5,130	-650	5,210	-5,620	-340	4,940	-4,460	890	3,920	-4,000	540
15	5,470	-4,240	450	5,440	-5,200	86	4,970	-4,540	980	3,750	-3,480	14
16	5,270	-5,370	71	4,940	-2,550	1,100	4,580	-4,550	680	1,380	-2,740	-1,100
17	5,070	-5,370	-930	---	---	---	3,890	-4,010	440	2,740	-3,480	-610
18	4,580	-4,860	-1,200	---	---	---	3,310	-3,330	320	3,400	-2,980	200
19	4,450	-4,660	-150	---	---	---	3,560	-2,780	-350	4,200	-3,530	1,100
20	4,870	-4,140	380	---	---	---	4,400	-2,290	900	3,850	-4,420	80
21	4,200	-3,960	78	---	---	---	3,850	-2,980	200	4,160	-3,890	280
22	4,400	-4,550	62	---	---	---	4,380	-4,240	-41	4,510	-3,960	400
23	4,520	-4,860	-260	---	---	---	4,400	-4,120	180	3,650	-4,090	-440
24	3,460	-2,960	-10	---	---	---	4,660	-3,270	1,200	4,150	-5,180	-1,000
25	3,870	-3,720	-990	---	---	---	4,510	-3,970	1,200	4,890	-3,460	930
26	2,610	-4,950	-2,400	---	---	---	4,280	-4,790	84	5,190	-,584	2,200
27	4,680	-3,960	770	---	---	---	4,660	-4,010	170	2,530	-2,780	88
28	---	---	---	---	---	---	4,620	-4,100	750	4,420	-4,160	-400
29	---	---	---	---	---	---	4,800	-4,540	100	4,000	-3,730	80
30	---	---	---	---	---	---	4,630	-4,680	-690	3,350	-4,180	-400
31	---	---	---	---	---	---	4,590	-2,910	1,200	---	---	---

Table 3a.--Discharge at station 08042534, Keith Lake Pass, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1986			March		
1	2,640	-3,060	-700	3,610	-3,610	-810
2	4,170	-3,370	-420	4,070	-3,520	-180
3	3,780	-4,050	-860	4,140	-4,020	-54
4	4,410	-3,240	-140	4,480	-3,780	530
5	4,180	-3,200	-15	4,090	-4,600	-610
6	4,440	-2,960	910	4,340	-4,040	670
7	3,800	-3,670	-270	4,460	-5,000	-400
8	3,650	-4,040	270	4,310	-4,140	-580
9	2,100	-3,740	-610	4,190	-4,650	-740
10	3,660	-997	780	4,370	-4,250	330
11	2,700	-1,910	250	4,350	-5,090	-930
12	2,940	-2,900	-120	4,190	-4,770	-280
13	1,670	-3,350	-1,700	4,420	-2,790	470
14	3,070	-3,300	240	4,650	-4,890	-180
15	---	---	---	4,570	-4,210	110
16	2,380	-1,950	-600	4,610	-2,720	820
17	3,820	-3,440	68	3,720	-4,320	-1,500
18	3,860	1,900	3,300	4,000	-4,580	-860
19	2,670	-3,840	-1,300	4,090	-2,780	1,300
20	3,950	-4,730	16	3,970	-3,280	770
21	4,590	-4,600	180	3,690	-3,380	270
22	4,520	-3,710	720	2,610	-3,480	-180
23	4,060	-5,120	-100	4,070	-3,700	450
24	5,210	-3,730	760	4,080	-3,640	210
25	4,550	-4,290	190	3,950	-4,530	-640
26	4,940	-3,360	710	3,710	-3,630	-160
27	4,860	-3,640	700	3,620	-3,950	210
28	---	---	---	200	-2,340	-660
29	---	---	---	---	---	---
30	---	---	---	---	---	---
31	---	---	---	---	---	---

Table 3b.--Discharge at station 08042532, mouth of Salt Bayou, October 1984 to March 1986

[in cubic feet per second; -, negative flow direction]

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1984			November			December			January 1985		
1	1,310	-944	330	2,230	-2,310	-110	973	-1,340	180	1,320	-1,370	140
2	1,610	-1,450	270	2,250	-3,610	340	1,290	-1,820	68	1,410	-1,230	290
3	1,520	-1,540	120	1,280	-882	350	1,440	-507	690	1,030	-576	230
4	2,070	-1,980	-34	1,280	-2,030	-170	1,260	-2,230	-180	723	-366	150
5	2,160	-2,330	-390	1,510	-639	760	1,990	-1,030	400	723	-742	84
6	1,530	-2,210	120	1,320	-1,110	290	1,130	-518	530	708	-1,130	-390
7	1,340	-1,430	-80	1,540	-2,190	-450	1,020	-1,380	29	957	-821	-13
8	1,480	-1,520	-3	2,030	-2,020	-390	1,150	-879	130	866	-1,020	-110
9	1,810	-3,070	-160	2,330	-2,100	140	1,240	-1,190	39	1,560	-1,810	-310
10	1,780	-1,600	-28	1,780	-1,270	630	955	-1,160	14	1,250	-1,500	-110
11	1,550	-1,540	140	949	-1,260	210	1,040	-1,150	0	1,150	-487	300
12	2,280	-1,620	74	1,500	-1,110	240	1,210	-1,540	-1	944	-737	130
13	2,420	-2,080	89	1,680	-1,520	61	1,750	-2,200	-64	510	-1,110	-280
14	2,270	-3,020	-15	1,510	-1,650	-110	1,660	-2,020	340	1,260	-1,490	-32
15	2,220	-2,130	84	1,420	-2,020	-93	1,620	-1,290	520	1,040	-1,030	94
16	2,390	-1,830	59	1,530	-922	360	1,230	-1,760	260	1,640	-2,440	-370
17	2,650	-4,160	290	877	-1,930	-26	1,340	-508	450	1,020	-1,160	110
18	2,540	-3,790	-940	1,770	-3,320	-490	1,200	-1,280	1	868	-1,020	89
19	2,660	-3,690	-230	2,130	-598	670	1,220	-1,440	76	1,050	-1,060	-21
20	1,480	-3,060	-1,400	1,430	-1,070	340	1,350	-1,620	18	1,060	-1,260	-160
21	2,490	-4,170	-870	1,350	-1,520	260	1,690	-2,070	-170	757	-453	110
22	2,310	-2,630	-260	1,270	-1,460	28	1,330	-1,420	-88	665	-559	41
23	2,430	-2,970	48	1,490	-1,380	79	1,260	-1,480	110	834	-715	-8
24	3,020	-2,400	770	1,650	-1,860	-60	1,800	-1,980	-260	1,010	-675	27
25	3,100	-2,700	34	1,490	-1,910	-53	1,380	-1,630	16	794	-558	78
26	3,200	-2,250	390	1,780	-2,320	-1	1,180	-1,040	260	734	-637	160
27	2,950	-2,420	520	1,360	-2,460	52	1,540	-1,550	46	907	-2,500	-440
28	2,990	-1,400	730	930	-2,080	12	1,480	-1,050	380	984	-548	340
29	2,230	-1,760	530	1,240	-2,200	-490	1,200	-1,190	260	1,170	-1,100	54
30	2,120	-1,830	190	1,220	-1,830	-310	959	-914	340	1,320	-1,200	-70
31	2,020	-2,020	320	---	---	---	1,240	-2,490	-84	40	-1,100	8

Table 3b.--Discharge at station 08042532, mouth of Salt Bayou, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minumum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1985			March			April			May		
1	1,240	-736	7	1,170	-1,290	-81	27	27	27	---	---	---
2	463	-800	-55	1,090	-1,620	-26	---	---	---	---	---	---
3	601	-975	-35	1,390	-1,610	180	---	---	---	---	---	---
4	1,270	-1,740	-250	1,540	-2,310	42	---	---	---	---	---	---
5	1,910	-1,590	61	1,850	-1,320	370	---	---	---	---	---	---
6	1,600	-850	180	1,710	-1,180	220	---	---	---	---	---	---
7	1,810	-763	420	1,960	-1,560	270	---	---	---	---	---	---
8	1,780	-810	230	1,620	-936	590	---	---	---	---	---	---
9	1,990	-1,660	180	1,580	-1,270	330	---	---	---	---	---	---
10	1,430	-2,020	270	1,390	-1,420	270	---	---	---	---	---	---
11	1,110	-708	230	1,400	-1,550	180	---	---	---	---	---	---
12	398	-900	-140	1,230	-1,470	79	---	---	---	---	---	---
13	539	-500	-36	1,300	-769	180	---	---	---	2,980	-2,100	-1,000
14	803	-592	-52	1,260	-1,340	270	---	---	---	3,400	-1,720	750
15	710	-326	88	1,220	-961	300	---	---	---	2,130	-1,190	-170
16	572	-1,630	-430	1,270	-1,250	-64	---	---	---	---	---	---
17	1,260	-1,430	-84	1,320	-865	270	---	---	---	---	---	---
18	971	-838	63	1,340	-693	160	---	---	---	---	---	---
19	805	-867	-5	1,520	-1,030	350	---	---	---	---	---	---
20	1,350	-805	130	2,070	-1,840	-480	---	---	---	---	---	---
21	2,060	-1,160	500	900	-999	-85	---	---	---	---	---	---
22	2,030	-820	690	918	-797	140	---	---	---	---	---	---
23	2,030	-2,550	-80	694	-1,460	-110	---	---	---	---	---	---
24	1,440	-799	280	1,010	-489	330	---	---	---	---	---	---
25	1,040	-1,300	-190	960	-772	300	---	---	---	---	---	---
26	1,240	-1,450	-100	1,410	-1,010	280	---	---	---	---	---	---
27	936	-847	90	1,420	385	930	---	---	---	---	---	---
28	1,060	-1,330	-98	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

Table 3b.--Discharge at station 08042532, mouth of Salt Bayou, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	June 1985			July			August			September		
1	---	---	---	777	-1,310	-240	937	-845	56	1,750	-938	-17
2	---	---	---	1,040	-1,080	-50	2,380	-1,440	-210	1,680	-104	700
3	---	---	---	1,240	-850	110	983	-901	-110	1,030	-1,240	120
4	---	---	---	1,840	-966	270	1,060	-1,100	45	1,060	-1,430	-200
5	---	---	---	1,960	-951	430	815	-669	71	2,030	-1,120	270
6	---	---	---	1,560	-561	310	851	-793	-93	1,960	-1,050	520
7	---	---	---	1,320	-810	130	948	-949	61	1,730	-359	600
8	---	---	---	1,290	-356	350	820	-1,380	43	1,920	-788	510
9	---	---	---	891	-472	280	647	-581	76	1,730	-831	410
10	---	---	---	667	-685	58	765	-742	49	1,860	-1,070	370
11	---	---	---	946	-801	-63	618	-735	-99	1,630	-850	310
12	---	---	---	759	-947	-120	771	-1,030	50	1,900	-915	480
13	---	---	---	991	-1,150	-42	1,140	-1,040	52	1,720	-355	390
14	---	---	---	1,420	-902	270	1,370	-2,570	-210	1,280	-919	25
15	---	---	---	1,310	-1,160	30	1,460	-1,580	-160	1,070	-1,500	-280
16	---	---	---	1,200	-1,160	54	1,410	-1,050	-140	1,730	-1,200	220
17	3,320	-305	1,400	1,600	-1,040	140	1,100	-1,680	-90	1,640	-1,380	110
18	2,730	-1,750	270	1,610	-1,580	-82	1,050	-1,100	120	2,010	-1,130	320
19	2,140	-1,490	-96	1,880	-1,190	190	878	-999	130	1,970	-856	240
20	2,160	-1,180	440	1,570	-951	-85	855	-678	46	1,970	-1,340	310
21	2,120	-2,020	-35	1,380	-1,420	110	1,010	-717	160	1,710	-1,670	53
22	2,490	-1,860	270	1,360	-698	84	1,220	-1,100	100	1,540	-1,080	170
23	2,690	-1,360	650	975	-722	11	1,520	-722	200	2,280	-1,370	670
24	3,080	-1,280	580	840	-1,090	-160	1,440	-877	130	1,260	-29	760
25	1,460	-1,180	260	1,740	-1,180	360	1,290	-940	140	994	-506	150
26	530	-1,450	95	1,280	-1,170	-83	1,430	-1,010	170	1,240	-605	380
27	260	-1,130	390	1,220	-1,110	52	1,510	-1,160	-34	1,955	-1,040	-38
28	709	-776	110	895	-1,970	-74	1,660	-1,610	-65	804	-711	42
29	750	-455	330	872	-1,410	-180	1,880	-614	430	1,220	-1,300	110
30	100	-1,130	-8	898	-1,130	-170	1,390	-1,100	34	---	---	---
31	---	---	---	604	-2,050	-310	960	-1,320	-330	---	---	---

Table 3b.--Discharge at station 08042532, mouth of Salt Bayou, October 1985 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1985			November			December			January 1986		
1	808	-416	190	372	-765	-120	710	-722	53	---	---	---
2	879	-1,250	-33	781	-1,060	-130	678	-238	280	---	---	---
3	776	-1,090	-140	731	-436	220	549	-582	120	---	---	---
4	1,030	-932	93	499	-318	170	702	-789	80	1,100	-359	260
5	739	-784	200	539	-396	120	556	-466	250	315	-827	-230
6	732	-641	52	589	-303	140	313	-348	67	275	-1,020	-310
7	812	-676	14	447	-216	160	325	-384	31	1,770	-86	580
8	863	-978	-110	464	-629	-19	614	-490	76	684	-1,090	-91
9	903	-578	270	447	-531	51	638	-483	65	1,060	-825	-3
10	1,020	-684	180	687	-1,200	100	747	-640	32	1,980	-257	650
11	962	-469	220	887	-489	340	760	-773	15	599	-820	68
12	827	-511	210	762	-408	-7	889	-597	160	1,710	-486	540
13	742	-463	170	---	---	---	737	-179	240	633	-726	130
14	895	-823	60	---	---	---	418	-76	180	919	-149	410
15	1,070	-464	110	---	---	---	669	-318	120	1,140	-206	450
16	1,080	-587	150	---	---	---	703	-252	180	931	-5	430
17	1,400	-1,180	87	---	---	---	558	-296	110	1,160	-160	560
18	1,270	-881	45	---	---	---	417	-222	56	2,810	-93	740
19	1,330	-1,090	280	---	---	---	489	-168	110	1,200	-313	460
20	1,250	-739	380	---	---	---	521	-130	170	790	-144	450
21	1,240	-638	220	---	---	---	442	-107	72	1,190	-144	590
22	1,010	-978	77	---	---	---	509	-165	72	1,060	-298	310
23	862	-1,090	170	---	---	---	425	-215	11	308	-305	26
24	771	-566	26	---	---	---	530	-187	73	750	-496	160
25	505	-846	-180	---	---	---	428	33	240	1,450	-391	400
26	821	-737	250	654	-743	-47	---	---	---	129	-315	-82
27	---	---	---	627	-810	5	---	---	---	56	-341	-130
28	---	---	---	737	-629	28	---	---	---	277	-317	-100
29	---	---	---	722	-551	54	---	---	---	1,140	-148	490
30	---	---	---	805	-499	110	---	---	---	1,050	209	640
31	226	-224	27	---	---	---	---	---	---	1,400	-247	910

Table 3b.--Discharge at station 08042532, mouth of Salt Bayou, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1986			March		
1	1,480	-530	780	1,120	-748	150
2	1,520	-100	600	2,620	-898	430
3	616	-157	110	1,560	-60	150
4	533	-543	-24	270	-133	64
5	1,760	-921	120	219	-342	46
6	1,100	-219	360	286	-303	49
7	667	-336	98	222	-131	62
8	765	-277	130	397	-102	120
9	---	---	---	591	-135	160
10	---	---	---	388	-173	120
11	---	---	---	383	-205	140
12	---	---	---	676	-539	98
13	---	---	---	446	-99	150
14	---	---	---	1,330	-361	55
15	---	---	---	1,700	-121	650
16	597	-164	150	1,290	-378	320
17	580	-208	81	346	-584	87
18	684	-300	140	1,290	-169	480
19	661	-276	170	555	-276	150
20	660	-288	130	338	-67	100
21	704	-226	130	249	-52	78
22	671	-89	170	278	-21	110
23	329	-216	88	258	-46	87
24	619	-499	34	204	-26	77
25	456	-188	88	291	-102	77
26	415	-211	2	325	-134	85
27	353	-255	91	1,270	-79	210
28	311	-16	97	558	-132	130
29	---	---	---	806	-214	210
30	---	---	---	1,270	-233	99
31	---	---	---	---	---	---

Table 3c.--Discharge at station 08042530, Ten Mile Cut, October 1984 to March 1985

[in cubic feet per second; -, negative flow direction]

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1984			November			December			January 1985		
1	110	74	94	230	35	170	86	85	86	74	63	68
2	110	68	92	220	-22	140	86	77	81	64	61	62
3	110	62	91	350	130	220	77	69	73	61	57	59
4	110	-49	48	220	170	200	96	70	83	93	57	76
5	94	-26	27	210	130	180	110	96	100	100	93	97
6	90	-18	46	200	160	180	110	110	110	100	99	100
7	85	-42	31	190	-8	150	110	110	110	120	86	110
8	95	-13	53	150	100	120	110	100	110	110	-35	66
9	74	-40	22	130	99	110	100	94	98	86	-9	55
10	82	-19	34	130	100	110	94	85	89	100	31	79
11	83	2	51	180	63	120	85	76	81	100	58	86
12	88	-18	34	120	100	110	79	76	77	110	-44	64
13	120	-5	40	120	98	110	82	78	80	140	100	110
14	81	-79	11	120	91	100	82	79	81	120	-74	63
15	68	9	33	110	87	100	80	66	73	120	85	100
16	68	-9	32	110	88	98	72	66	69	120	31	96
17	70	-120	-30	100	84	93	88	72	80	110	85	95
18	79	-24	12	120	-1	73	88	86	87	100	7	70
19	69	-94	-1	110	16	74	87	86	86	90	-70	8
20	46	-40	-1	120	75	96	86	84	85	85	-35	19
21	71	-60	-7	120	77	95	87	84	86	110	-31	79
22	200	-200	-3	120	73	94	89	86	87	110	26	85
23	150	-42	54	110	80	95	86	85	86	89	-6	48
24	140	-63	25	120	87	99	86	84	85	91	1	57
25	180	130	150	120	72	93	88	84	86	40	-20	12
26	180	120	150	110	70	89	90	88	89	110		47
27	190	140	170	130	65	96	88	83	86	110	70	88
28	200	170	190	130	100	120	84	79	81	120	99	110
29	210	180	190	120	88	100	79	78	79	110	84	100
30	210	160	190	110	35	79	84	78	81	120	61	110
31	210	150	180	---	---	---	---	---	---	110	-230	-2

Table 3c.--Discharge at station 08042530, Tenmile Cut, October 1984 to March 1985--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1985			March		
1	100	40	82	---	---	---
2	91	77	87	---	---	---
3	---	---	---	---	---	---
4	---	---	---	---	---	---
5	---	---	---	---	---	---
6	---	---	---	---	---	---
7	---	---	---	---	---	---
8	---	---	---	---	---	---
9	---	---	---	---	---	---
10	---	---	---	---	---	---
11	---	---	---	---	---	---
12	---	---	---	---	---	---
13	---	---	---	---	---	---
14	---	---	---	---	---	---
15	---	---	---	---	---	---
16	---	---	---	---	---	---
17	---	---	---	---	---	---
18	---	---	---	---	---	---
19	100	81	92	---	---	---
20	80	-70	59	170	150	160
21	39	-88	-29	200	150	170
22	110	-40	85	170	130	150
23	100	73	93	190	140	150
24	---	---	---	170	130	150
25	---	---	---	160	130	140
26	---	---	---	150	99	120
27	---	---	---	---	---	---
28	---	---	---	---	---	---
29	---	---	---	---	---	---
30	---	---	---	---	---	---
31	---	---	---	---	---	---

Table 3d.--Discharge at station 08042531, Wildcow Bayou, April 1985 to March 1986

[in cubic feet per second; -, negative flow direction]

Day	April 1985			May			June			July		
	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
1	---	---	---	61	10	46	45	-32	5	47	-31	8
2	---	---	---	71	40	56	42	-44	-6	45	-29	10
3	---	---	---	62	26	47	38	-57	-15	39	-29	14
4	---	---	---	49	-33	9	35	-69	-23	39	-59	-5
5	---	---	---	48	-46	-5	37	-77	-25	52	-77	-11
6	15	-90	-56	56	-64	-13	43	-54	-4	52	-31	18
7	---	---	---	59	-41	7	44	-27	15	44	-40	4
8	---	---	---	57	-34	16	40		18	37	-32	8
9	3	-82	-23	54	-38	8	26	-7	11	39	8	22
10	42	-100	-41	49	-25	10	16	-33	-4	29	7	16
11	40	-49	-16	39	-48	-5	24	-50	-11	28	-15	11
12	42	-68	-2	30	-66	-19	25	-33	-2	25	-35	1
13	25	-67	-25	-10	-77	-54	15	-65	-26	26	-44	-7
14	45	-72	-19	30	-76	-29	31	-96	-54	28	-35	-2
15	63	-6	30	50	-51	-1	41	-75	-29	26	-17	5
16	65	17	44	54	-4	25	44	-62	-20	26	-20	4
17	59	20	36	56	1	37	37	-57	-18	34	-25	12
18	36	-32	2	49	-67	-11	50	-46	3	31	-56	-10
19	31	-58	-14	47	-73	-23	65	-45	13	38	-72	-22
20	36	-65	-24	54	-62	-13	55	-66	-7	50	-24	16
21	38	-84	-45	45	-80	-6	40	-100	-42	45	-27	11
22	13	-84	-40	59	-61	-2	27	-102	-58	38	-7	19
23	30	-49	-17	59	-56	-6	52	-73	-17	32	-5	16
24	54	-46	2	56	-62	-7	58	-47	12	17	-26	-1
25	60	-56	2	54	-60	-7	56	-57	6	29	-33	-8
26	44	-91	-36	50	-49	-1	56	-43	13	29	-23	7
27	39	-75	-36	45	-67	-3	59	-37	22	25	-28	6
28	52	-56	3	31	-48	-9	63	14	42	32	-45	-2
29	57	-8	27	31	-49	-7	49	-62	-2	31	-34	-2
30	61	12	41	39	-51	-6	49	-49	1	31	-21	3
31	---	---	---	42	-47	1	---	---	---	26	-10	7

Table 3d.--Discharge at station 08042531, Wildcow Bayou, April 1985 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	August 1985			September			October			November		
1	17	-15	6				---	---	---	87	-13	54
2	10	-44	-2				---	---	---	68	2	41
3	21	-43	-8				---	---	---	79	51	67
4	28	-40	-8				---	---	---	92	63	76
5	26	-42	5				---	---	---	92	39	65
6	29	-21	9				---	---	---	78	41	61
7	23	-34	9				---	---	---	80	44	64
8	30	-23	6				---	---	---	45	-45	2
9	29	-25	5				---	---	---	34	-43	-1
10	22	-19	7				---	---	---	35	-41	0
11	17	-11	4				---	---	---	59	-38	4
12	29	-43	-6				---	---	---	58	-33	9
13	30	-68	-21				---	---	---	55	-41	25
14	35	-107	-53				---	---	---	---	---	---
15	41	-69	-19				---	---	---	---	---	---
16	43	-62	-4				---	---	---	---	---	---
17	31	-54	-17				---	---	---	---	---	---
18	38	-26	10				---	---	---	---	---	---
19	39	-25	13				---	---	---	---	---	---
20	25	-45	0				---	---	---	---	---	---
21	25	-49	-19				---	---	---	---	---	---
22	36	-49	-13				---	---	---	---	---	---
23	38	-66	-18				---	---	---	---	---	---
24	28	-49	-15				---	---	---	---	---	---
25	---	---	---				---	---	---	32	-35	-14
26	---	---	---				---	---	---	39	-50	-19
27	---	---	---				---	---	---	65	-35	14
28	---	---	---				---	---	---	72	-38	31
29	---	---	---				---	---	---	---	---	---
30	---	---	---				96	87	91	---	---	---
31	---	---	---				97	73	87	---	---	---

Table 3d.--Discharge at station 08042531, Wildcow Bayou, April 1985 to March 1986--Continued

Day	December 1985 Maximum	December 1985 Minimum	December 1985 Mean	January 1986 Maximum	January 1986 Minimum	January 1986 Mean	February Maximum	February Minimum	February Mean	March Maximum	March Minimum	March Mean
1				---	---	---	23	-31	-13	15	-5	7
2				33	-13	15	22	-27	-4	13	-17	1
3				30	-26	7	20	-56	-16	23	-22	6
4				25	-31	9	30	-54	-13	41	-10	24
5				43	14	33	25	-49	-13	21	-25	9
6				26	-53	-9	54	-38	22	33	-33	4
7				22	-54	-30	24	-35	2	18	-28	2
8				38	-55	-9	31	-53	-12	5	-36	-19
9				42	-35	9	30	-45	-9	6	-41	-21
10				45	-29	20	47	-35	13	22	-39	-7
11				45	13	33	44	28	38	26	-47	-19
12				41	-28	16	32	-16	21	23	-62	-25
13				41	26	33	22	-39	-11	70	-19	11
14				32	23	29	34	-42	-2	38	-45	-10
15				27	10	19	28	-36	-2	35	-41	-6
16				20	-28	-2	21	-42	-15	40	-2	21
17				27	-41	-6	34	-26	5	36	-71	-20
18				30	-21	9	44	-19	22	19	-56	-32
19				41	0	24	42	-28	11	50	-41	22
20				35	-13	19	39	-34	11	49	10	33
21				25	-13	10	46	-33	8	43	4	29
22				35	-7	19	44	-24	13	17	-2	9
23				29	-18	12	29	-27	10	17	-3	10
24				15	-37	-12	42	-42	0	20	3	10
25				52	-44	8	26	-3	12	14	-25	-7
26				60	20	40	26	-33	8	24	-41	-6
27				39	23	32	49	-42	12	29	-12	14
28				24	6	15	56	14	32	24	-32	4
29				20	9	13	---	---	---	26	-28	2
30				21	-4	11	---	---	---	26	-43	-10
31				15	-31	-10	---	---	---	---	---	---

Table 3e.--Discharge at station 08042524a, Salt Bayou at Intracoastal Waterway, October 1984 to August 1985

[in cubic feet per second; -, negative flow direction]

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1984			November			December			January 1985		
1	50	3	27	75	18	43	65	35	50	30	-59	2
2	49	-9	17	76	31	52	---	---	---	55	3	29
3	48	-11	15	72	50	58	---	---	---	53	6	37
4	38	-30	-5	69	36	52	---	---	---	70	46	64
5	20	-50	-19	92	60	76	---	---	---	69	45	62
6	16	-38	-14	92	47	77	---	---	---	65	32	51
7	16	-34	-11	79	18	46	---	---	---	63	25	50
8	19	-31	-6	78	11	36	---	---	---	59	23	46
9	14	-59	-12	83	18	45	---	---	---	47	-7	22
10	20	-43	-9	101	27	69	---	---	---	63	-22	27
11	32	-26	3	102	64	92	---	---	---	64	38	57
12	41	-31	-5	99	57	78	---	---	---	63	42	59
13	37	-46	-5	91	45	67	---	---	---	48	14	36
14	37	-47	-16	91	25	54	---	---	---	57	8	32
15	40	-48	-11	87	14	51	---	---	---	64	7	43
16	-11	-63	-47	92	37	62	---	---	---	55	-19	19
17	18	-45	-11	70	21	41	---	---	---	69	21	53
18	13	-89	-36	79	-12	25	---	---	---	68	31	53
19	26	-52	-23	90	33	73	88	31	63	62	13	44
20	-7	-70	-44	91	51	76	85	24	53	67	0	47
21	15	-72	-38	94	52	74	77	-1	33	65	43	59
22	37	-26	-1	94	40	69	79	-1	42	59	40	52
23	61	10	33	93	36	63	78	13	46	54	25	43
24	83	24	48	92	21	60	68	-14	23	54	18	38
25	73	23	44	88	9	51	76	3	40	52	25	39
26	83	27	51	85	20	53	69	12	40	50	14	42
27	98	21	53	96	-4	53	43	1	20	39	-24	10
28	101	29	62	99	52	87	35	-20	14	61	31	52
29	101	44	70	77	29	50	40	-28	9	61	7	37
30	90	36	64	75	15	45	29	-19	3	51	2	22
31	86	36	59	---	---	---	20	-76	-25	59	9	44

Table 3e.--Discharge at station 08042524a, Salt Bayou at Intracoastal Waterway, October 1984 to August 1985--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1985			March			April			May		
1	70	36	58	75	36	56	81	27	59	42	-3	19
2	69	41	62	86	47	67	77	27	61	52	17	36
3	63	30	55	88	34	65	70	39	54	47	9	30
4	68	1	39	71	13	47	56	16	35	38	-23	5
5	70	7	41	84	42	63	61	-1	27	39	-36	-4
6	69	34	54	78	32	58	61	3	29	39	-44	-10
7	69	25	48	77	23	48	44	-20	9	32	-39	-5
8	69	26	46	77	35	57	60	-16	24	41	-25	7
9	39	1	21	79	41	61	49	-21	16	46	-17	14
10	46	0	32	82	46	66	43	-37	6	42	-25	8
11	85	2	63	80	35	56	36	-8	11	39	-27	-1
12	81	70	78	82	39	58	41	-24	12	29	-30	-4
13	76	54	68	81	32	58	33	-37	-2	23	-56	-20
14	75	45	66	79	45	63	29	-40	-2	29	-32	-9
15	72	47	69	90	53	75	36	-2	15	28	4	18
16	71	27	57	88	38	63	60	16	35	33	-6	14
17	68	16	43	97	47	77	53	21	37	38	0	18
18	66	30	50	93	57	77	34	-7	15	37	-32	3
19	64	33	50	76	44	58	37	-25	6	25	-42	-11
20	63	27	46	46	9	28	42	-35	4	27	-35	-6
21	52	2	25	89	25	55	42	-52	-13	36	-61	-6
22	36	-1	19	94	67	81	27	-57	-26	42	-26	7
23	20	-34	-6	81	51	66	30	-60	-13	42	-29	5
24	48	-6	29	87	70	77	42	-15	11	36	-25	3
25	53	31	45	91	66	79	51	-15	19	35	-24	4
26	66	44	53	90	47	66	42	-53	-12	32	-22	3
27	79	52	66	66	17	41	24	-35	-6	31	-25	4
28	82	36	64	70	13	41	39	-10	13	32	-25	1
29	---	---	---	70	18	42	49	-6	22	18	-16	0
30	---	---	---	58	-29	22	47	-4	19	39	-24	3
31	---	---	---	82	30	62	---	---	---	50	-29	8

Table 3e.--Discharge at station 08042524a, Salt Bayou at Intracoastal Waterway, October 1984 to August 1985--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	June 1985			July			August					
1	48	-21	15	49	-4	21	---	---	---			
2	47	-17	12	49	2	23	---	---	---			
3	46	-22	8	47	-1	26	---	---	---			
4	44	-45	0	45	-16	20	---	---	---			
5	44	-40	0	41	-23	10	---	---	---			
6	39	-33	3	48	4	25	---	---	---			
7	42	-11	12	46	4	24	---	---	---			
8	42	4	20	36	0	19	---	---	---			
9	37	2	19	39	10	29	---	---	---			
10	25	-9	10	48	7	28	---	---	---			
11	22	-31	-1	42	10	29	---	---	---			
12	31	-8	10	43	-1	22	---	---	---			
13	22	-28	1	41	-9	14	29	-45	-11			
14	12	-69	-28	43	-13	14	27	-63	-27			
15	22	-64	-25	41	-5	17	42	-86	-24			
16	27	-42	-14	41	-5	17	42	-32	2			
17	32	-39	-10	41	-6	20	31	-37	-3			
18	57	-40	10	41	-20	9	39	-13	13			
19	57	-8	28	42	-34	4	39	-5	19			
20	53	-4	20	40	-21	15	40	-9	16			
21	50	-70	-2	43	-8	15	35	-19	8			
22	29	-32	-1	38	-7	17	42	-19	6			
23	39	-9	14	38	1	20	43	-32	1			
24	47	-3	22	29	-9	11	44	-34	1			
25	34	-6	18	42	-16	11	43	-29	3			
26	34	-4	16	41	-8	18	41	-42	0			
27	49	-10	20	42	-4	18	39	-49	-16			
28	48	15	31	40	-30	10	26	-60	-30			
29	48	-4	25	39	-19	11	19	-45	-21			
30	49	-12	19	39	-12	12	25	-35	-15			
31	---	---	---	---	---	---	13	-14	4			

Table 4a.-- Daily flow at station 08042534, Keith Lake Pass, October 1984 to March 1986

[in acre-feet; POSITIVE, flow out of Keith Lake toward the Port Arthur Canal; NEGATIVE, flow out of the Port Arthur Canal toward Keith Lake; *, estimated value]

Day	October 1984		November		December		January 1985		February		March	
	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative
1	1,400*	600*	1,020	1,210	371	1,460	1,890	281	31	0	2,290	281
2	1,900*	1,700*	2,200	577	1,620	383	1,930	536	3	405	1,560	768
3	1,800*	1,100*	1,680	290	944	1,040	3,820	100	785	1,560	758	2,760
4	760*	1,700*	1,410	787	9	4,780	2,630	179	581	2,420	1,370	1,070
5	980*	1,100*	4,080	56	3,220	245	1,070	1,190	2,040	555	1,320	1,180
6	1,500*	840*	1,350	708	4,310	104	1,010	1,330	1,560	750	871	1,410
7	1,700*	480*	418	2,740	1,170	952	1,920	916	810	1,420	960*	1,300*
8	1,500*	560*	773	1,990	1,620	826	1,190	1,440	598	1,640	1,200*	820*
9	1,100*	1,100*	1,740	908	1,420	1,010	413	2,830	256	2,370	980*	825*
10	181	4	5,390	10	1,850	1,010	2,180	518	555	1,240	1,100*	680*
11	774	1,110	2,050	764	1,590	1,170	2,110	378	8,290	0	1,200*	570*
12	727	1,500	1,470	909	1,210	1,660	705	765	832	591	1,100*	690*
13	922	1,370	1,060	1,320	539	2,360	242	1,490	896	797	1,200*	570*
14	982	1,810	1,050	1,510	760	1,380	1,450	479	1,010	1,030	2,000*	550*
15	1,640	1,030	1,570	984	60	2,940	923	1,590	2,150	391	1,200*	740*
16	1,080	1,720	1,320	777	1,100	377	1,070	1,260	393	2,440	650*	1,100*
17	1,560	1,060	99	3,110	973	988	3,430	133	1,310	1,080	2,100*	360*
18	1,820	1,140	67	563	847	1,210	1,540	916	1,630	673	700*	1,100*
19	1,200	1,330	2,300*	220*	1,260	1,220	1,330	1,440	1,290	817	400*	1,700*
20	293	3,240	1,300*	840*	1,080	1,700	2,960	337	594	2,090	8*	2,600*
21	407	2,010	2,000*	740*	1,010	1,690	1,880	735	336	2,560	2,000*	360*
22	1,360	848	1,500*	1,200*	1,960	1,040	1,270	589	165	2,800	850*	700*
23	2,190	659	1,400*	1,000*	1,350	1,440	715	1,450	166	3,200	680*	710*
24	1,780	898	1,500*	1,400*	1,070	1,950	986	980	1,170	1,010	1,300*	210*
25	1,240	1,580	1,600*	1,000*	1,520	1,030	1,140	547	1,150	763	1,400*	250*
26	1,590	1,270	0	780	889	1,290	321	1,350	1,510	536	180*	1,400*
27	1,860	974	3,810	304	495	1,690	706	929	1,790	269	300*	1,400*
28	2,860	517	2,020	589	366	1,470	1,910	388	707	1,730	350*	1,700*
29	2,450	576	730	1,490	662	772	252	2,530	--	--	350*	1,800*
30	1,540	1,010	1,110	861	274	1,560	728	1,160	--	--	820*	1,600*
31	1,760	802	--	--	255	2,250	1,750	289	--	--	2,200*	530*

Table 4a.-- Daily flow at station 08042534, Keith Lake Pass, October 1984 to March 1986--Continued

Day	April 1985		May		June		July		August		September	
	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative
1	1,400*	520*	1,200*	690*	830*	780*	567	2,040	2,200*	200*	280*	1,600*
2	3,600*	150*	1,800*	500*	530*	1,500*	1,180	1,270	1,900*	160*	2,000*	110*
3	1,800*	520*	1,200*	780*	510*	1,500*	1,370	845	1,900*	270*	2,100*	660*
4	1,200*	1,000*	970*	1,300*	400*	1,900*	547	1,810	2,400*	100*	360*	1,600*
5	1,400*	1,000*	880*	1,600*	410*	1,600*	1,260	993	2,600*	120*	1,200*	1,000*
6	130*	1,000*	620*	2,100*	380*	1,300*	909	870	3,400*	30*	1,700*	640*
7	1,100*	1,100*	820*	1,500*	440*	1,100*	515	1,360	4,700*	40*	2,100*	530*
8	930*	1,100*	980*	1,200*	410*	760*	1,310	398	4,400*	10*	2,000 *	620*
9	500*	1,600*	710*	1,600*	540*	400*	1,320	443	4,500*	30*	1,900*	730*
10	470*	2,000*	590*	1,100*	160*	590*	1,870	86	3,700*	100*	1,300*	1,300*
11	560*	1,100*	570*	1,200*	470*	520*	982	527	3,800*	110*	1,400*	1,300*
12	460*	1,600*	260*	1,300*	260*	430*	815	934	3,200*	190*	1,600*	1,200*
13	340*	1,800*	29	244	90*	960*	919	1,160	1,900*	670*	1,500*	840*
14	580*	1,000*	804	894	220*	1,200*	1,610	775	740*	1,500*	360*	1,500*
15	1,400*	460*	1,220	579	340*	1,100*	1,190	1,150	1,500*	760*	70*	3,700*
16	2,200*	140*	1,110	691	657	33	1,340	892	1,200*	1,200*	590*	1,400*
17	1,500*	200*	1,140	525	1,120	1,380	1,300*	780*	2,600*	380*	530*	2,000*
18	910*	480*	556	2,110	2,680	587	620*	1,700*	2,900*	260*	194	634
19	920*	740*	737	1,770	1,070	1,140	620*	1,400*	3,000*	170*	803	3,020
20	850*	1,100*	295	2,300	579	1,650	1,100*	610*	3,000*	130*	1,120	2,310
21	340*	2,000*	1,520	955	474	2,850	660*	890*	2,500*	130*	990	2,600
22	110*	2,600*	64	347	636	2,080	950*	490*	3,000*	180*	1,280	2,250
23	440*	1,500*	540*	1,500*	1,280	586	1,000*	450*	3,000*	280*	3,120	751
24	740*	1,100*	560*	1,500*	507	1,270	620*	520*	2,900*	370*	2,790	111
25	440*	1,200*	600*	1,500*	328	1,920	1,500*	230*	2,400*	540*	1,430	756
26	200*	2,400*	650*	900*	979	762	2,300*	90*	2,100*	690*	2,090	546
27	440*	1,400*	630*	1,000*	255	2,128	960*	830*	580*	1,700*	611	1,580
28	470*	780*	630*	1,100*	1,950	449	1,300*	890*	860*	1,600*	271	2,460
29	970*	770*	460*	690*	919	1,240	1,600*	720*	980*	1,400*	253	2,830
30	1,300*	440*	730*	1,000*	2,120	539	1,200*	1,100*	1,100*	940*	3,330	114
31	--	--	1,100*	820*	--	--	1,700*	590*	150*	2,100*	--	--

Table 4a.--Daily flow at station 08042534, Keith Lake Pass, October 1984 to March 1986--Continued

Day	October 1985		November		December		January 1986		February		March	
	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative
1	945	1,150	460*	2,200*	1,500*	760*	803	1,280	186	1,570	355	2,100
2	891	1,460	460*	2,100*	1,600*	900*	205	438	616	1,780	600	1,440
3	841	1,230	1,400*	570*	490*	1,500*	754	820	598	2,120	1,040	1,450
4	1,410	1,040	1,200*	650*	2,200*	810*	1,540	414	964	1,510	1,620	892
5	3,640	275	1,000*	740*	1,190	137	1,300	1,160	1,070	1,350	904	2,190
6	926	1,220	970*	760*	1,130	904	550	3,310	2,030	359	1,680	553
7	789	1,640	1,100*	420*	718	1,350	856	2,150	869	1,370	1,080	1,800
8	544	2,230	20*	2,000*	1,200	1,350	625	1,640	1,160	667	717	2,130
9	582	1,450	240*	1,400*	790	2,510	1,260	1,580	402	1,340	606	2,260
10	804	1,970	890*	840*	901	2,960	2,380	684	1,240	223	1,540	1,050
11	758	1,390	370*	2,000*	2,110	969	2,150	1,060	697	475	578	2,240
12	1,100	1,240	1,100*	1,700*	2,720	651	1,740	939	666	991	1,050	1,630
13	896	1,720	76	1,210	5,640	58	1,990	495	5	3,210	1,430	564
14	811	2,020	1,150	2,250	2,373	885	1,550	580	957	564	1,070	1,390
15	1,350	883	1,400	1,780	2,540	751	920	985	460*	1,100*	1,070	1,260
16	1,490	1,420	346	91	2,100	800	53	1,860	32	320	1,530	416
17	713	2,840	700*	2,000*	1,520	706	184	1,370	1,380	933	314	3,150
18	808	3,060	620*	1,500*	1,180	741	812	670	719	0	542	2,060
19	1,280	1,820	840*	1,200*	560	1,230	2,390	293	43	959	2,670	371
20	1,550	1,180	510*	850*	1,810	333	941	1,170	1,210	1,280	1,740	643
21	1,240	1,270	130*	1,500*	855	801	1,260	975	1,480	1,010	1,030	966
22	1,100	1,180	80*	2,200*	984	1,290	1,330	980	1,830	800	635	887
23	572	1,290	10*	1,800*	1,110	1,290	818	1,490	1,280	1,180	1,440	694
24	883	911	950*	520*	2,480	488	481	2,340	2,080	904	1,160	905
25	443	2,190	590*	1,900*	2,700	493	1,860	621	1,230	994	713	1,740
26	70	4,500	450*	2,100*	1,550	1,670	3,920	3	1,910	870	803	1,040
27	1,430	602	300*	1,100*	1,320	1,260	967	515	1,840	785	1,180	854
28	3,900*	70*	180*	760*	1,940	956	694	1,660	2,000*	420*	1,000*	1,100*
29	3,700*	100*	550*	560*	1,320	1,590	843	733	--	--	550*	1,500*
30	3,200*	10*	0*	2,200*	758	2,260	571	1,310	--	--	500*	2,000*
31	1,700*	500*	--	--	2,100	436	340*	780*	--	--	440*	1,800*

Table 4b.--Daily flow at station 08042532, mouth of Salt Bayou, October 1984 to March 1986

[in acre-feet; POSITIVE, flow out of Salt Lake toward the Intracoastal Waterway; NEGATIVE, flow out of the Intracoastal Waterway toward Salt Lake]

Day	October 1984		November		December		January 1985		February		March	
	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative
1	677	159	479	710	489	130	363	220	168	227	223	454
2	714	341	1,020	266	413	263	608	59	113	210	284	298
3	598	412	689	102	1,260	9	417	44	248	232	613	358
4	606	615	271	614	456	510	299	21	282	657	567	370
5	349	1,170	1,350	17	730	112	262	67	319	326	698	154
6	583	337	591	112	981	11	23	737	394	243	503	250
7	218	445	164	1,030	383	273	245	258	682	82	742	324
8	303	307	336	1,110	356	242	223	380	442	184	1,130	48
9	484	554	647	584	366	342	320	885	583	449	797	108
10	360	438	1,190	52	364	283	301	531	614	170	623	127
11	529	306	609	158	340	385	498	64	450	18	500	141
12	419	550	620	216	372	389	288	96	43	228	467	221
13	530	610	494	434	451	652	48	520	80	178	385	189
14	559	706	383	662	899	238	249	341	115	256	586	121
15	603	595	456	593	1,020	57	367	204	148	61	624	107
16	522	663	714	170	750	138	274	968	105	704	302	459
17	1,200	456	280	240	806	26	345	204	199	469	495	89
18	344	1,780	451	1,060	331	345	383	133	271	190	362	219
19	667	1,080	1,180	16	438	316	254	323	215	239	688	102
20	11	2,630	704	85	414	397	195	429	310	160	89	1,162
21	197	1,880	610	176	306	720	249	75	864	135	105	375
22	298	910	372	316	366	527	192	137	1,240	34	377	96
23	674	714	410	317	520	222	162	217	574	679	174	251
24	1,540	220	460	562	305	832	191	259	588	133	583	25
25	690	849	451	567	385	402	195	131	130	422	581	74
26	924	573	507	601	552	130	351	58	158	435	663	110
27	1,060	485	732	316	476	412	49	800	270	201	--	--
28	1,180	265	481	233	765	74	602	19	268	489	--	--
29	1,090	243	177	1,000	647	127	275	244	--	--	--	--
30	802	556	183	731	708	61	215	428	--	--	--	--
31	902	362	--	--	314	462	217	386	--	--	--	--

Table 4b.--Daily flow at station 08042532, mouth of Salt Bayou, October 1984 to March 1986--Continued

Day	April 1985		May		June		July		August		September	
	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative
1	--	--	--	--	--	--	184	514	332	230	194	411
2	--	--	--	--	--	--	223	356	47	550	1311	0
3	--	--	--	--	--	--	343	257	72	367	342	174
4	--	--	--	--	--	--	507	132	246	242	82	530
5	--	--	--	--	--	--	800	117	198	135	422	206
6	--	--	--	--	--	--	415	92	69	261	745	105
7	--	--	--	--	--	--	239	158	263	212	860	56
8	--	--	--	--	--	--	559	27	265	203	667	103
9	--	--	--	--	--	--	474	38	244	118	644	110
10	--	--	--	--	--	--	213	89	193	144	565	156
11	--	--	--	--	--	--	110	271	105	309	421	196
12	--	--	--	--	--	--	100	370	235	194	642	82
13	--	--	--	--	--	--	190	340	307	293	521	47
14	--	--	1,248	78	--	--	597	139	211	644	184	239
15	--	--	69	301	--	--	283	361	260	527	102	584
16	--	--	--	--	--	--	314	328	123	472	384	161
17	--	--	--	--	--	--	351	280	216	339	303	396
18	--	--	--	--	635	482	152	505	274	166	533	303
19	--	--	--	--	143	288	330	335	324	81	478	368
20	--	--	--	--	188	51	94	335	175	183	619	290
21	--	--	--	--	342	541	356	269	268	106	385	479
22	--	--	--	--	586	453	250	253	236	211	435	293
23	--	--	--	--	1,065	100	167	178	393	212	1,040	153
24	--	--	--	--	893	101	120	442	270	245	1,490	0
25	--	--	--	--	467	151	666	135	299	183	254	110
26	--	--	--	--	346	307	159	411	341	234	635	22
27	--	--	--	--	295	36	354	290	239	460	126	267
28	--	--	--	--	290	106	302	375	211	529	208	125
29	--	--	--	--	447	81	193	522	615	158	301	131
30	--	--	--	--	278	367	219	524	166	337	315	172
31	--	--	--	--	86	553	20	674	--	--	--	--

Table 4b.--Daily flow at station 08042532, mouth of Salt Bayou, October 1984 to March 1986--Continued

Day	October 1985		November		December		January 1986		February		March	
	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative
1	358	23	73	243	202	149	--	--	1,470	2	--	--
2	154	259	71	313	502	6	--	--	1,180	0	--	--
3	129	427	387	27	204	51	--	--	177	18	--	--
4	273	191	306	32	247	116	420	32	93	152	--	--
5	446	24	252	46	458	27	47	361	241	104	--	--
6	169	123	263	41	161	24	40	440	651	2	--	--
7	208	204	294	7	108	42	1,064	0	171	64	--	--
8	118	302	121	151	171	54	226	254	207	51	--	--
9	512	46	163	68	121	107	192	221	--	--	--	--
10	364	157	250	75	155	180	944	28	--	--	--	--
11	322	47	590	24	190	218	253	101	--	--	--	--
12	426	37	70	95	274	108	949	22	--	--	--	--
13	315	61	--	--	357	17	312	68	--	--	--	--
14	246	162	--	--	270	6	748	2	--	--	--	--
15	182	101	--	--	188	93	823	4	--	--	--	--
16	292	110	--	--	295	32	852	0	244	9	--	--
17	252	295	--	--	200	48	1,040	1	125	56	--	--
18	285	348	--	--	113	51	1,410	0	209	22	--	--
19	487	128	--	--	196	18	816	12	267	19	--	--
20	658	46	--	--	273	9	860	0	177	34	--	--
21	341	135	--	--	92	22	1,090	1	226	27	--	--
22	226	227	--	--	102	56	429	47	286	2	--	--
23	308	94	--	--	69	102	111	47	147	27	--	--
24	157	157	--	--	111	53	314	67	125	101	--	--
25	53	360	--	--	469	0	554	59	152	20	--	--
26	393	16	58	113	--	--	12	151	54	66	--	--
27	--	--	111	126	--	--	0	243	164	20	--	--
28	--	--	160	175	--	--	8	196	184	0	--	--
29	--	--	178	153	--	--	919	1	--	--	--	--
30	--	--	233	150	--	--	1,270	0	--	--	--	--
31	46	25	--	--	--	--	1,800	0	--	--	--	--

Table 4c.--Daily flow at station 08042531, Wildcow Bayou, April 1985 to March 1986

[in acre-feet; POSITIVE, flow toward Salt Lake; NEGATIVE, flow away from Salt Lake]

Day	April 1985		May		June		July		August		September	
	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative
1	--	--	90	0	14	8	20	8	11	1	--	--
2	--	--	110	0	11	20	22	6	5	5	--	--
3	--	--	93	0	8	30	23	2	3	16	--	--
4	--	--	20	7	6	40	11	18	5	19	--	--
5	--	--	11	21	7	43	13	27	13	4	--	--
6	0	54	12	34	11	19	30	3	16	1	--	--
7	--	--	15	12	25	2	14	11	17	0	--	--
8	--	--	27	4	36	0	19	4	15	3	--	--
9	0	20	22	10	20	0	43	0	12	2	--	--
10	7	68	19	7	3	10	33	0	14	1	--	--
11	4	32	11	18	4	18	21	0	8	2	--	--
12	12	17	6	31	6	9	8	6	6	13	--	--
13	3	41	0	108	1	43	6	15	4	36	--	--
14	6	35	1	47	1	97	9	11	2	94	--	--
15	57	0	11	14	5	51	9	4	4	32	--	--
16	88	0	45	0	6	37	10	2	12	19	--	--
17	72	0	73	0	5	35	18	1	3	31	--	--
18	11	7	13	29	13	13	9	22	20	2	--	--
19	4	27	8	44	30	10	5	40	25	1	--	--
20	2	43	10	32	17	27	28	1	7	6	--	--
21	1	82	12	18	5	70	19	4	2	30	--	--
22	0	71	14	23	1	101	31	0	8	26	--	--
23	1	30	13	28	8	35	29	0	6	35	--	--
24	15	14	14	30	27	6	4	6	0	1	--	--
25	18	20	15	26	23	10	4	19	--	--	--	--
26	6	58	15	18	28	5	15	3	--	--	--	--
27	2	63	15	15	38	2	11	2	--	--	--	--
28	19	13	5	18	82	0	11	11	--	--	--	--
29	50	0	5	16	20	16	9	12	--	--	--	--
30	81	0	8	17	18	16	10	7	--	--	--	--
31	--	--	12	10	--	--	10	2	--	--	--	--

Table 4c.--Daily flow at station 08042531, Wildcow Bayou, April 1985 to March 1986--Continued

Day	October 1985		November		December		January 1986		February		March	
	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative
1	--	--	105	0	--	--	--	--	2	24	13	0
2	--	--	82	0	--	--	9	0	6	12	3	4
3	--	--	132	0	--	--	16	3	4	25	9	2
4	--	--	150	0	--	--	19	2	6	23	43	0
5	--	--	130	0	--	--	65	0	5	23	13	1
6	--	--	121	0	--	--	9	15	42	2	13	6
7	--	--	126	0	--	--	0	54	11	5	8	2
8	--	--	13	11	--	--	8	23	6	24	0	36
9	--	--	10	8	--	--	21	6	4	21	0	36
10	--	--	11	9	--	--	36	2	28	8	6	13
11	--	--	13	14	--	--	65	0	76	0	2	36
12	--	--	19	9	--	--	31	3	40	0	0	45
13	--	--	12	1	--	--	66	0	4	20	20	2
14	--	--	--	--	--	--	57	0	5	8	7	24
15	--	--	--	--	--	--	38	0	9	12	9	18
16	--	--	--	--	--	--	6	7	3	27	39	0
17	--	--	--	--	--	--	3	15	12	4	10	35
18	--	--	--	--	--	--	17	2	41	0	1	55
19	--	--	--	--	--	--	47	0	22	5	41	1
20	--	--	--	--	--	--	32	0	24	6	66	0
21	--	--	--	--	--	--	16	1	17	7	58	0
22	--	--	--	--	--	--	33	0	24	4	17	0
23	--	--	--	--	--	--	20	1	22	2	19	0
24	--	--	--	--	--	--	1	18	13	13	20	0
25	--	--	1	8	--	--	21	8	21	0	1	13
26	--	--	2	34	--	--	79	0	18	2	4	13
27	--	--	23	6	--	--	64	0	28	4	24	0
28	--	--	48	1	--	--	29	0	64	0	9	4
29	--	--	--	--	--	--	26	0	--	--	8	7
30	51	0	--	--	--	--	21	0	--	--	6	22
31	172	0	--	--	--	--	1	18	--	--	3	37

Table 5a.--Daily maximum, minimum, and mean specific conductance at station 08042534, Keith Lake Pass near water surface, October 1984 to March 1986

[in microsiemens per centimeter at 25 degrees Celsius]

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1984			November			December			January 1985		
1			---	---	---	6,780	---	---	---	---	---	---
2			---	---	---	6,760	---	---	---	---	---	---
3			---	---	---	5,530	---	---	---	---	---	---
4			---	---	---	5,480	---	---	---	---	---	---
5			---	---	---	6,490	---	---	---	35,900	12,700	18,300
6			---	---	---	5,510	---	---	---	38,300	21,100	30,900
7			---	---	---	6,420	21,400	14,000	17,100	---	---	---
8			---	---	---	9,490	22,400	13,700	17,800	---	---	---
9			---	---	---	8,580	22,500	15,100	18,400	---	---	---
10			---	---	---	7,670	23,500	15,700	17,900	---	---	---
11			---	---	---	---	24,800	15,700	19,300	---	---	---
12			---	---	---	9,430	27,700	18,300	21,200	---	---	---
13			---	---	---	11,000	32,900	21,800	26,900	---	---	---
14			---	---	---	15,600	28,000	17,900	23,500	---	---	---
15			---	---	---	18,400	37,300	17,900	22,600	---	---	---
16			---	18,200	11,500	15,800	38,900	13,400	20,400	---	---	---
17			---	22,100	16,700	12,600	18,700	10,700	14,400	---	---	---
18			---	27,600	19,800	20,800	---	---	---	---	---	---
19			---	20,400	13,900	17,900	---	---	---	---	---	---
20			---	16,900	8,670	11,500	---	---	---	---	---	---
21			---	---	---	12,100	---	---	---	---	---	---
22			---	16,600	11,900	14,500	---	---	---	---	---	---
23			---	19,400	16,600	17,300	---	---	---	---	---	---
24			---	27,900	17,900	20,100	---	---	---	---	---	---
25			---	30,600	23,700	25,800	---	---	---	---	---	---
26			---	27,000	20,400	25,600	---	---	---	---	---	---
27			---	33,800	22,200	26,100	---	---	---	---	---	---
28			---	26,200	15,500	19,000	---	---	---	---	---	---
29			---	22,700	17,400	20,700	---	---	---	---	---	---
30			---	27,000	21,500	27,400	---	---	---	---	---	---
31			---	---	---	---	---	---	---	---	---	---
Month			---	33,800	6,990	14,100	38,900	10,700	20,000	38,300	12,700	24,600

Table 5a.--Daily maximum, minimum, and mean specific conductance at station 08042534, Keith Lake Pass near water surface, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1985			March			April			May		
1	---	---	---	---	---	---	4,790	1,800	3,560	13,500	6,580	10,100
2	---	---	---	---	---	---	4,590	2,600	3,670	12,900	4,520	8,570
3	---	---	---	---	---	---	4,990	3,590	4,400	9,910	7,060	8,090
4	---	---	---	---	---	---	4,390	2,990	3,650	25,500	10,000	18,300
5	---	---	---	---	---	---	4,790	2,990	3,830	30,700	16,400	23,000
6	---	---	---	---	---	---	16,000	3,790	9,620	35,100	15,800	26,500
7	---	---	---	---	---	---	17,800	8,580	11,300	28,400	20,200	23,800
8	---	---	---	---	---	---	11,300	6,500	9,370	24,800	17,200	20,000
9	---	---	---	---	---	---	20,700	8,490	14,400	30,100	14,900	20,600
10	---	---	---	---	---	---	27,100	10,800	17,600	27,300	16,700	21,400
11	---	---	---	---	---	---	15,900	13,100	14,500	31,100	18,100	23,900
12	---	---	---	---	---	---	17,400	10,100	14,200	30,400	21,100	25,000
13	---	---	---	9,800	4,900	6,220	19,300	12,500	15,200	35,600	23,200	28,500
14	---	---	---	7,800	6,200	5,830	18,000	13,300	14,600	27,100	26,000	26,600
15	---	---	---	---	---	---	13,800	9,350	12,100	25,000	13,000	19,300
16	---	---	---	10,900	4,800	7,320	11,000	5,760	8,660	24,600	15,300	19,900
17	20,000	18,300	19,000	9,300	6,300	6,800	9,230	4,770	6,590	23,200	14,200	19,400
18	19,600	7,800	---	13,400	6,500	8,590	14,300	8,130	10,800	27,600	12,200	20,300
19	15,100	8,700	---	13,900	8,200	9,450	15,800	8,520	12,600	29,700	20,000	24,500
20	11,900	10,000	10,600	9,930	7,320	8,530	15,900	9,910	12,900	25,400	20,800	23,400
21	---	---	---	10,600	6,380	9,430	22,000	10,400	17,000	25,100	20,100	21,900
22	---	---	---	7,760	2,900	5,690	21,100	12,800	17,500	21,000	15,800	18,800
23	---	---	---	7,660	2,900	4,990	18,700	10,300	13,600	20,900	16,400	18,500
24	---	---	---	6,020	3,210	4,720	15,500	10,100	12,900	24,100	14,800	18,900
25	---	---	---	5,510	3,050	4,140	16,200	10,100	13,500	22,100	17,200	19,200
26	---	---	---	5,870	3,690	5,010	22,900	10,800	17,300	22,100	17,200	18,900
27	---	---	---	5,920	4,450	5,290	18,300	13,700	16,000	22,400	17,400	19,600
28	---	---	---	6,790	5,000	5,820	15,500	9,950	12,600	20,300	17,000	19,100
29	---	---	---	5,990	3,800	4,990	13,700	8,760	10,800	19,900	14,600	17,600
30	---	---	---	6,990	3,200	4,830	14,100	7,670	9 ,20	19,100	11,500	15,000
31	---	---	---	4,590	1,400	3,280	---	---	---	18,600	11,400	14,500
Month	20,000	7,800	14,800	14,100	1,400	6,060	27,100	1,800	11,500	35,600	4,520	19,800

Table 5a.--Daily maximum, minimum, and mean specific conductance at station 08042534, Keith Lake Pass near water surface, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	June 1985			July			August			September		
1	21,000	11,900	15,700	32,300	24,900	28,500	31,400	20,400	27,300	44,100	41,900	43,200
2	31,900	13,700	21,400	35,500	23,900	28,600	34,600	19,700	28,900	43,300	41,500	42,600
3	35,700	17,500	24,300	33,100	22,500	27,400	35,000	23,000	29,900	41,500	32,300	37,500
4	43,900	18,700	29,800	41,700	22,600	30,700	31,900	25,300	29,400	36,900	32,800	34,800
5	42,500	21,300	30,000	40,400	27,000	33,700	32,800	25,300	29,700	37,900	30,100	34,800
6	31,400	22,500	25,800	31,200	25,200	28,300	29,600	24,600	27,000	35,400	32,000	33,800
7	29,100	20,200	23,100	32,000	26,600	29,300	26,900	21,900	24,200	33,900	28,000	31,200
8	23,000	17,800	20,400	29,500	27,000	28,300	28,000	21,400	24,400	32,800	27,500	30,400
9	21,800	16,600	19,100	27,500	21,500	24,100	30,300	19,700	24,500	33,800	26,800	30,600
10	25,700	16,500	20,100	25,700	19,200	23,000	29,700	20,900	25,300	35,500	26,800	31,000
11	28,300	17,500	22,300	21,600	19,400	20,400	34,400	19,300	28,700	34,300	28,000	31,100
12	19,900	17,100	18,500	29,700	21,200	24,900	35,400	17,300	35,300	33,200	28,700	31,300
13	25,600	12,900	16,900	32,500	25,400	29,200	37,400	25,400	40,800	30,800	27,800	29,400
14	39,900	23,800	32,100	34,200	25,700	29,600	43,700	29,100	46,500	30,900	26,000	28,600
15	36,700	24,400	31,000	30,400	22,700	26,700	44,000	30,600	42,100	33,900	26,600	31,300
16	35,200	27,300	30,900	29,300	20,900	25,700	45,200	34,800	38,800	33,800	32,400	33,100
17	38,600	28,500	33,000	30,700	20,800	25,700	42,900	35,800	40,300	37,600	348	33,600
18	34,600	22,700	29,400	37,400	21,500	30,100	36,700	34,100	35,600	37,000	30,500	33,600
19	28,700	22,100	24,900	37,100	25,400	31,400	34,100	32,300	33,400	41,700	31,700	36,100
20	37,800	22,400	29,800	28,800	23,800	26,500	33,200	30,200	31,600	40,200	30,200	34,100
21	37,700	26,100	33,700	28,200	22,300	24,300	35,800	31,600	33,000	36,900	30,700	33,500
22	36,900	30,200	33,800	26,000	22,200	24,100	38,400	32,400	34,200	39,700	30,900	35,100
23	33,100	24,100	27,100	21,700	18,800	20,500	41,300	33,300	36,700	38,000	31,600	34,200
24	29,400	21,500	24,100	22,400	18,500	20,100	44,700	33,500	38,600	42,200	28,800	34,300
25	26,500	20,800	23,100	25,800	20,500	22,200	44,000	33,800	38,800	38,200	26,700	31,000
26	26,400	19,900	22,400	24,000	20,400	22,200	45,600	34,900	40,100	35,100	21,900	27,700
27	28,000	19,300	24,200	29,700	20,700	25,200	45,200	35,200	46,000	36,300	21,400	27,400
28	26,500	19,700	23,000	39,700	22,900	30,400	46,200	34,100	49,100	39,400	28,000	33,500
29	31,800	17,700	26,100	38,500	21,800	30,200	46,700	41,400	43,900	41,900	31,200	36,100
30	32,700	25,000	28,300	37,100	24,600	30,500	43,400	38,900	41,800	40,400	20,800	31,200
31	---	---	---	31,300	21,800	27,100	43,900	38,800	41,700	---	---	---
Month	43,900	11,900	25,500	41,700	18,500	26,700	46,700	17,300	35,100	44,100	348	33,200

Table 5a.--Daily maximum, minimum, and mean specific conductance at station 08042534, Keith Lake Pass near water surface, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1985			November			December			January 1986		
1	29,600	20,800	25,500	30,500	11,900	20,600	29,000	17,700	22,100	24,900	11,500	17,300
2	29,900	21,700	26,500	31,100	19,600	26,000	25,700	14,100	17,600	24,800	12,500	17,700
3	31,700	20,800	26,600	30,000	11,500	19,100	36,900	19,400	26,000	23,300	13,700	17,800
4	31,000	20,900	27,900	23,300	13,500	17,500	28,200	20,000	22,700	24,300	15,700	19,700
5	40,900	21,600	29,200	24,800	13,500	17,100	28,200	15,700	19,500	---	---	---
6	41,400	23,200	32,400	20,300	11,000	15,000	19,800	11,200	15,100	---	---	---
7	41,300	21,400	33,300	19,000	10,300	15,600	19,600	10,300	14,800	---	---	---
8	45,500	34,300	39,200	---	---	---	17,000	11,700	14,400	---	---	---
9	41,900	34,600	38,800	---	---	---	19,900	10,400	14,900	---	---	---
10	41,600	32,200	38,300	---	---	---	22,100	11,000	15,800	---	---	---
11	42,000	32,100	36,800	---	---	---	25,000	13,600	19,400	---	---	---
12	41,800	31,900	37,200	16,300	11,100	13,700	---	---	---	---	---	---
13	44,200	31,900	36,000	18,500	10,600	15,600	---	---	---	---	---	---
14	42,000	32,500	36,000	19,700	12,000	17,100	---	---	---	---	---	---
15	38,200	30,000	33,700	28,900	12,100	19,400	---	---	---	---	---	---
16	35,600	29,000	32,600	29,800	15,200	18,800	18,600	12,200	16,100	---	---	---
17	42,500	23,700	34,300	29,600	12,200	19,500	18,900	13,700	15,800	---	---	---
18	42,700	30,700	36,000	28,600	18,000	22,400	17,100	9,000	13,000	---	---	---
19	42,000	31,200	37,800	28,500	18,200	22,400	12,300	6,600	8,380	---	---	---
20	43,100	24,800	33,600	19,100	10,100	15,900	15,500	8,100	11,100	---	---	---
21	41,700	23,200	32,600	16,800	7,900	11,500	13,800	6,500	8,790	---	---	---
22	38,300	22,200	30,900	22,900	11,500	17,100	16,100	6,400	10,200	---	---	---
23	35,100	21,800	29,200	---	---	---	20,000	9,500	12,800	---	---	---
24	32,600	23,900	28,600	---	---	---	17,800	10,600	13,200	---	---	---
25	32,500	24,000	27,900	---	---	---	15,000	4,000	13,200	---	---	---
26	32,700	22,300	26,800	29,800	20,100	24,100	19,600	10,700	15,300	---	---	---
27	33,900	23,700	26,800	32,900	21,000	24,500	19,900	10,100	16,600	---	---	---
28	28,600	23,300	25,100	26,700	11,800	20,300	19,000	10,500	15,600	---	---	---
29	25,200	15,300	20,800	32,600	12,700	22,400	18,500	10,400	15,000	---	---	---
30	21,600	12,500	18,300	28,800	15,200	20,800	20,000	10,600	16,700	---	---	---
31	21,900	11,100	16,400	---	---	---	23,700	11,100	19,400	---	---	---
Month	45,500	11,100	30,800	32,900	7,900	19,000	36,900	4,000	15,700	24,900	8,300	18,100

Table 5a.--Daily maximum, minimum, and mean specific conductance at station 08042534, Keith Lake Pass near water surface, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1986			March		
1		---			---	
2		---			---	
3		---			---	
4		---			---	
5		---			---	
6		---			---	
7		---			---	
8		---			---	
9		---			---	
10		---			---	
11		---			---	
12		---			---	
13		---			---	
14		---			---	
15		---			---	
16		---			---	
17		---			---	
18		---			---	
19		---			---	
20		---			---	
21		---			---	
22		---			---	
23		---			---	
24		---			---	
25		---			---	
26		---			---	
27		---			---	
28		---			---	
29					---	
30					---	
31					---	
Month		---			---	

Table 5b.--Daily maximum, minimum, and mean specific conductance at station 08042534, Keith Lake Pass, near bottom of channel, October 1984 to March 1986

[in microsiemens per centimeter at 25 degrees Celsius]

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1984			November			December			January 1985		
1	29,900	26,500	27,700	20,100	10,600	14,700	---	---	---	---	---	---
2	29,900	26,500	27,400	12,700	10,300	11,600	---	---	---	---	---	---
3	29,300	26,500	27,100	12,800	8,600	11,100	---	---	---	---	---	---
4	31,700	26,500	27,700	13,400	7,800	11,100	---	---	---	15,900	14,000	14,900
5	31,000	26,300	27,900	14,300	8,200	12,200	---	---	---	37,100	13,200	18,400
6	32,700	26,600	28,500	14,300	7,600	11,600	---	---	---	39,000	20,900	32,600
7	34,600	27,000	29,500	25,200	11,100	16,400	24,100	13,800	18,400	---	---	---
8	33,100	27,000	29,300	25,100	13,100	19,300	24,700	13,600	19,000	---	---	---
9	37,200	26,100	29,100	18,700	6,800	13,300	27,500	14,700	19,200	---	---	---
10	34,400	25,600	28,500	12,300	8,800	10,700	25,400	15,300	18,200	---	---	---
11	30,300	22,100	26,100	15,200	7,300	10,500	29,700	15,100	20,300	---	---	---
12	27,500	23,700	25,900	27,500	6,800	15,300	28,000	17,900	21,600	---	---	---
13	27,800	23,600	26,000	27,200	12,600	18,600	33,000	21,200	26,600	---	---	---
14	28,900	23,000	26,100	30,000	15,500	20,400	30,700	17,400	23,400	---	---	---
15	27,000	20,800	24,800	32,200	17,500	23,000	27,300	17,300	22,100	---	---	---
16	29,400	19,000	24,000	22,800	12,800	18,700	---	---	---	---	---	---
17	23,500	16,500	20,500	32,000	14,600	25,700	18,200	10,200	14,600	---	---	---
18	27,700	14,600	22,100	37,300	20,600	28,700	---	---	---	---	---	---
19	21,200	13,600	18,400	25,000	17,400	19,600	---	---	---	---	---	---
20	20,500	9,500	17,900	17,000	9,440	14,100	---	---	---	---	---	---
21	15,300	11,700	14,000	17,600	11,400	15,200	---	---	---	---	---	---
22	16,400	9,800	13,100	22,400	15,700	17,900	---	---	---	---	---	---
23	15,700	6,800	12,600	26,500	16,500	22,200	---	---	---	---	---	---
24	15,600	8,000	12,500	34,500	19,800	24,800	---	---	---	---	---	---
25	14,600	9,400	11,800	43,100	22,200	30,100	---	---	---	---	---	---
26	13,500	8,100	11,300	32,600	25,000	28,400	---	---	---	---	---	---
27	12,600	7,000	10,900	44,600	23,700	31,600	---	---	---	---	---	---
28	13,300	5,100	10,000	24,800	15,200	20,300	---	---	---	---	---	---
29	12,900	5,000	9,550	52,000	20,100	35,200	---	---	---	---	---	---
30	12,800	7,500	10,600	46,400	28,600	38,500	---	---	---	---	---	---
31	15,000	9,500	11,800	---	---	---	---	---	---	---	---	---
Month	37,200	5,000	20,700	52,000	6,800	19,700	33,000	10,200	20,300	39,000	13,200	22,000

Table 5b.--Daily maximum, minimum, and mean specific conductance at station 08042534, Keith Lake Pass, near bottom of channel, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1985			March			April			May		
1	---	---	---	---	---	---	4,650	2,110	3,520	7,600	6,800	7,060
2	---	---	---	---	---	---	4,370	3,020	3,630	7,400	6,300	6,900
3	---	---	---	---	---	---	5,020	3,570	4,490	6,800	6,200	6,380
4	---	---	---	---	---	---	4,630	3,210	3,800	9,000	6,300	8,030
5	---	---	---	9,100	7,400	7,800	4,610	2,850	3,990	11,200	8,900	10,200
6	---	---	---	8,600	7,600	7,860	---	---	---	13,100	10,800	12,000
7	---	---	---	9,500	8,400	8,910	13,900	12,000	13,200	14,700	12,700	13,500
8	---	---	---	8,800	7,000	7,930	11,700	6,800	9,470	13,500	12,300	12,800
9	---	---	---	8,800	6,300	7,230	15,300	8,500	12,000	14,700	11,400	12,700
10	---	---	---	8,800	6,800	7,630	19,500	11,600	15,300	13,400	12,500	12,900
11	---	---	---	9,300	7,200	8,240	18,200	12,200	14,300	13,900	12,700	13,100
12	---	---	---	10,900	7,700	9,210	13,800	9,400	12,000	14,200	13,300	13,700
13	---	---	---	15,200	8,600	11,200	14,300	11,400	12,800	14,900	14,000	14,400
14	---	---	---	10,800	9,500	10,200	14,200	11,200	12,300	14,700	14,600	14,600
15	---	---	---	16,800	7,800	11,000	11,000	9,000	10,000	26,300	16,000	21,700
16	---	---	---	14,200	8,600	11,500	8,900	6,200	7,510	24,900	16,200	21,200
17	20,100	18,200	19,200	12,900	9,700	11,000	7,300	6,000	6,470	22,700	15,800	20,700
18	19,000	10,700	15,000	18,900	9,800	13,000	8,000	6,300	7,480	28,300	15,100	21,600
19	15,500	8,300	12,000	16,900	11,200	13,600	9,000	7,500	8,560	28,500	20,000	24,100
20	11,600	9,600	10,500	9,650	7,170	8,320	9,500	8,800	9,220	24,400	20,300	22,500
21	---	---	---	10,500	6,500	9,320	11,200	8,800	10,200	24,100	18,000	20,600
22	---	---	---	7,570	2,820	5,590	11,400	9,600	10,700	17,900	14,900	16,500
23	---	---	---	7,470	2,860	4,860	11,100	9,600	10,200	16,800	13,600	15,300
24	---	---	---	5,850	3,140	4,580	9,500	8,900	9,250	17,300	12,100	14,400
25	---	---	---	5,370	3,000	4,020	9,400	8,600	9,030	16,800	12,800	14,400
26	---	---	---	5,720	3,600	4,900	11,000	8,800	9,650	16,200	12,600	13,900
27	---	---	---	7,030	4,330	5,290	10,700	9,900	10,100	15,700	12,600	13,600
28	---	---	---	6,420	4,840	5,740	9,900	8,700	9,260	13,900	12,000	12,600
29	---	---	---	6,610	4,430	5,510	8,700	7,900	8,280	12,100	10,200	11,100
30	---	---	---	8,150	3,530	5,110	8,000	7,000	7,520	10,200	9,520	9,850
31	---	---	---	4,610	1,290	3,180	---	---	---	9,760	9,200	9,420
Month	20,100	8,300	14,200	18,900	1,290	7,880	19,500	2,110	9,110	28,500	6,200	14,200

Table 5b.--Daily maximum, minimum, and mean specific conductance at station 08042534, Keith Lake Pass, near bottom of channel, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	June 1985			July			August			September		
1	9,510	9,190	9,330	34,400	24,500	28,600	37,900	21,900	30,400	44,200	41,300	43,100
2	15,100	9,110	12,000	36,900	23,700	29,000	40,600	21,300	32,800	43,800	41,700	42,900
3	15,100	11,600	13,300	33,100	22,400	27,600	40,400	24,900	34,000	41,800	32,600	38,100
4	16,700	12,100	14,300	41,900	22,600	30,900	38,900	28,200	34,400	38,000	33,300	35,400
5	17,400	13,600	15,200	41,700	27,100	34,000	39,500	27,500	34,200	39,300	28,900	34,700
6	15,400	14,200	14,800	32,400	25,900	29,200	35,000	27,600	30,200	36,300	31,400	34,000
7	13,900	12,600	12,900	32,500	27,500	29,800	29,900	23,800	26,700	35,100	27,700	32,300
8	12,500	10,900	11,700	29,800	27,500	28,700	34,300	23,500	27,800	34,500	28,500	31,700
9	10,900	9,970	10,400	27,900	21,900	24,700	37,800	21,400	27,900	35,900	26,500	32,100
10	11,200	9,840	10,300	26,400	19,400	23,600	37,100	22,100	28,100	37,900	27,300	32,500
11	12,100	10,900	11,600	22,300	19,900	21,100	41,600	23,700	32,200	36,800	29,000	32,900
12	10,700	9,720	10,100	32,800	22,700	27,100	48,900	28,400	38,500	35,600	30,400	33,100
13	10,200	8,910	9,420	37,600	25,700	31,400	51,700	37,000	43,300	32,300	26,300	29,500
14	15,300	10,700	13,900	37,400	26,800	31,300	---	---	---	33,000	27,300	30,300
15	15,700	14,300	15,200	33,700	24,800	28,700	51,200	37,000	44,100	36,300	28,200	33,300
16	33,800	14,700	23,900	35,900	21,700	27,900	50,100	36,600	41,400	36,000	34,200	35,100
17	37,100	27,400	31,900	33,500	21,900	27,800	44,400	37,200	42,200	---	---	---
18	33,400	21,800	28,300	41,400	23,200	32,800	38,600	35,300	37,000	---	---	---
19	27,800	21,100	24,000	40,700	27,500	34,400	35,600	33,600	34,700	---	---	---
20	37,600	21,800	29,400	31,700	25,600	28,900	35,500	31,500	33,300	---	---	---
21	37,200	25,700	33,300	32,000	24,500	27,100	36,000	31,400	33,500	---	---	---
22	36,500	29,900	33,500	28,500	23,900	26,400	38,200	32,100	34,800	---	---	---
23	32,500	23,600	26,700	23,700	20,400	22,400	46,200	32,900	37,800	---	---	---
24	28,700	21,200	23,600	27,800	20,100	22,200	45,200	33,100	38,400	---	---	---
25	26,000	20,300	22,700	30,400	22,200	25,000	44,000	32,900	38,200	---	---	---
26	25,900	19,300	21,900	26,500	21,900	24,200	45,400	34,700	39,800	---	---	---
27	27,600	19,000	23,900	37,100	21,700	28,800	---	---	---	---	---	---
28	26,100	19,400	22,700	45,300	24,900	33,700	---	---	---	---	---	---
29	31,700	17,400	25,900	44,600	24,300	34,700	47,400	42,100	44,600	---	---	---
30	32,800	24,600	28,100	45,000	26,300	34,300	44,500	39,700	42,500	---	---	---
31	---	---	---	35,300	23,300	29,500	44,000	39,700	42,200	---	---	---
Month	37,600	8,910	19,500	45,300	19,400	28,600	51,700	21,300	35,900	44,200	23,000	34,400

Table 5b.--Daily maximum, minimum, and mean specific conductance at station 08042534, Keith Lake Pass, near bottom of channel, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1985			November			December			January 1986		
1	---	---	---	---			---	---	---	---	---	---
2	---	---	---	---			---	---	---	36,900	11,700	23,100
3	---	---	---	---			---	---	---	38,500	15,900	26,100
4	---	---	---	---			---	---	---	38,400	16,300	27,100
5	---	---	---	---			---	---	---	---	---	---
6	---	---	---	---			---	---	---	---	---	---
7	---	---	---	---			---	---	---	---	---	---
8	---	---	---	---			---	---	---	36,400	8,800	23,200
9	---	---	---	---			---	---	---	44,800	12,500	26,300
10	---	---	---	---			---	---	---	---	---	---
11	---	---	---	---			---	---	---	---	---	---
12	---	---	---	---			---	---	---	---	---	---
13	---	---	---	---			---	---	---	---	---	---
14	---	---	---	---			---	---	---	---	---	---
15	---	---	---	---			---	---	---	---	---	---
16	41,600	25,600	28,600	---			---	---	---	---	---	---
17	---	---	---	---			27,900	13,000	18,000	---	---	---
18	---	---	---	---			20,700	9,870	13,900	---	---	---
19	---	---	---	---			14,100	6,120	8,800	---	---	---
20	---	---	---	---			18,000	8,510	11,700	---	---	---
21	---	---	---	---			16,000	6,110	9,230	---	---	---
22	---	---	---	---			22,800	6,960	12,300	---	---	---
23	---	---	---	---			33,800	8,960	16,500	---	---	---
24	---	---	---	---			27,300	9,900	15,400	---	---	---
25	---	---	---	---			29,700	6,750	14,900	---	---	---
26	---	---	---	---			---	---	---	---	---	---
27	---	---	---	---			---	---	---	---	---	---
28	---	---	---	---			---	---	---	---	---	---
29	---	---	---	---			---	---	---	---	---	---
30	---	---	---	---			---	---	---	---	---	---
31	---	---	---				---	---	---	---	---	---
Month	41,600	2,400	28,600	8,670			33,800	6,110	13,400	44,800	1,400	25,200

Table 5b.--Daily maximum, minimum, and mean specific conductance at station 08042534, Keith Lake Pass, near bottom of channel, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1986			March								
1	---	---	---	---	---	---						
2	---	---	---	---	---	---						
3	---	---	---	41,300	13,500	25,600						
4	---	---	---	31,700	11,700	18,500						
5	---	---	---	---	---	---						
6	---	---	---	---	---	---						
7	---	---	---	---	---	---						
8	---	---	---	---	---	---						
9	---	---	---	---	---	---						
10	34,800	17,700	25,600	---	---	---						
11	34,200	10,400	21,600	---	---	---						
12	30,400	11,000	16,400	34,100	21,600	26,100						
13	20,600	11,100	14,300	27,700	15,500	21,300						
14	17,100	11,500	14,200	26,600	14,300	20,800						
15	22,100	10,100	12,100	22,100	18,400	19,700						
16	22,100	11,000	14,800	24,100	17,600	20,800						
17	22,800	10,000	14,700	36,500	16,100	25,600						
18	27,600	8,300	16,000	38,900	18,700	27,700						
19	26,600	8,300	15,600	27,400	13,700	20,500						
20	34,000	9,500	16,500	23,400	12,200	18,200						
21	28,800	11,600	18,400	28,900	14,400	19,100						
22	29,600	12,500	19,300	---	---	---						
23	---	---	---	26,300	17,400	21,800						
24	---	---	---	26,100	18,900	21,700						
25	29,900	11,200	19,500	27,000	19,800	23,300						
26	32,700	12,700	22,100	28,800	22,900	25,100						
27	32,500	8,500	16,500	37,100	21,900	24,200						
28	---	---	---	39,100	18,500	23,300						
29	---	---	---	44,800	21,000	27,600						
30	---	---	---	---	---	---						
31	---	---	---	---	---	---						
Month	34,800	2,400	17,400	44,800	11,600	22,700						

Table 6a.--*Daily maximum, minimum, and mean water temperature at station 08042534, Keith Lake Pass, near water surface, October 1984 to March 1986*

[in degrees Celsius]

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1984			November			December			January 1985		
1	MISSING DATA			---	---	---	---	---	---	MISSING DATA		
2				---	---	---	---	---	---			
3				---	---	---	---	---	---			
4				---	---	---	---	---	---			
5				---	---	---	---	---	---			
6				---	---	---	---	---	---			
7				---	---	---	10.8	6.0	8.8			
8				---	---	---	11.8	7.6	9.9			
9				---	---	---	13.8	10.7	12.0			
10				---	---	---	15.9	11.7	13.5			
11				---	---	---	17.5	12.6	14.3			
12				---	---	---	17.3	13.4	14.7			
13				---	---	---	17.5	14.1	15.2			
14				19.3	18.6	19.0	18.6	15.1	16.2			
15				20.1	18.3	19.1	18.5	15.8	17.0			
16				19.3	16.8	18.6	19.5	15.5	17.7			
17				18.2	17.6	17.9	18.9	17.1	17.9			
18				19.0	15.4	18.1	---	---	---			
19				18.4	14.7	16.6	---	---	---			
20				17.2	12.2	14.4	---	---	---			
21				14.9	9.4	12.9	---	---	---			
22				13.2	11.7	12.4	---	---	---			
23				13.4	10.2	12.3	---	---	---			
24				14.3	11.6	12.7	---	---	---			
25				15.6	12.3	14.1	---	---	---			
26				17.9	14.1	15.6	---	---	---			
27				16.3	13.8	15.5	---	---	---			
28				15.4	11.7	13.2	---	---	---			
29				16.3	13.2	15.2	---	---	---			
30				17.0	13.6	15.5	---	---	---			
31				---	---	---	---	---	---			
Month				20.1	9.4	15.5	19.5	6.0	14.5			

Table 6a.--Daily maximum, minimum, and mean water temperature at station 08042534, Keith Lake Pass, near water surface, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1985			March			April			May		
1	MISSING DATA			---	---	---	21.1	17.2	19.2	26.6	23.5	24.8
2				---	---	---	20.1	17.7	19.3	24.7	22.8	23.9
3				---	---	---	20.3	18.4	19.6	24.4	21.7	23.4
4				---	---	---	20.4	18.9	19.8	25.2	22.6	23.7
5				16.9	14.6	16.5	22.0	20.0	20.7	26.6	23.0	24.3
6				16.4	14.4	15.8	21.2	20.0	20.6	26.7	23.6	24.7
7				17.6	15.6	16.6	22.6	20.5	21.5	27.1	23.8	25.2
8				20.4	16.8	17.9	20.8	18.1	19.8	26.5	24.7	25.5
9				21.8	17.4	19.0	19.4	16.9	18.7	26.5	24.1	25.1
10				21.7	17.7	19.4	19.2	17.0	18.6	26.0	24.3	25.4
11				21.5	18.1	19.7	19.2	18.5	18.8	25.9	25.0	25.3
12				21.3	18.7	19.6	19.1	18.1	18.8	25.5	24.5	25.1
13				20.8	18.8	19.9	19.4	18.1	18.9	25.4	24.5	25.2
14				21.2	18.5	19.7	21.9	19.1	20.0	25.2	24.8	25.1
15				18.9	16.4	17.9	23.3	20.0	21.2	25.4	23.9	25.0
16				17.8	15.4	17.0	24.1	20.1	21.7	28.9	24.4	26.2
17				18.4	15.5	17.2	23.8	20.7	21.7	26.0	24.3	25.4
18				18.0	15.7	17.2	23.4	20.5	21.6	25.4	23.7	24.7
19				17.8	16.2	17.0	23.3	20.8	22.0	26.9	24.1	25.2
20				18.7	18.8	19.1	22.6	21.7	22.1	28.2	24.5	26.0
21				19.5	17.8	18.7	23.0	22.1	22.5	26.8	24.8	25.8
22				18.8	17.3	18.2	22.7	22.3	22.5	27.9	25.1	26.3
23				21.0	18.1	19.4	24.2	22.3	23.1	27.8	25.5	26.6
24				22.8	18.6	20.8	25.5	22.8	23.8	27.5	25.7	26.5
25				23.4	18.9	21.1	24.5	22.7	23.8	27.7	25.8	26.8
26				21.8	19.1	19.9	24.2	23.0	23.6	28.3	26.1	27.0
27				21.2	19.8	20.3	23.8	22.8	23.4	28.1	25.7	26.7
28				21.3	17.4	20.3	25.0	22.8	23.6	27.9	25.0	26.6
29				21.4	20.3	20.8	26.3	23.4	24.2	28.2	25.2	26.6
30				21.5	19.7	20.9	25.6	23.4	24.4	28.3	25.9	26.9
31				20.5	16.5	18.9	---	---	---	29.2	26.4	27.6
Month				23.4	14.4	19.0	26.3	16.9	21.5	29.2	21.7	25.5

Table 6a.--Daily maximum, minimum, and mean water temperature at station 08042534, Keith Lake Pass, near water surface, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	June 1985			July			August			September		
1	30.2	27.1	28.3	31.5	28.2	29.3	32.7	29.5	30.8	30.1	29.0	29.4
2	29.8	27.4	28.2	30.5	28.4	29.1	31.4	29.7	30.3	30.3	28.2	29.1
3	30.0	27.3	28.4	29.0	27.1	28.4	31.9	29.3	30.3	29.4	27.1	28.5
4	29.6	27.3	28.2	28.3	25.5	27.2	30.8	30.0	30.3	29.4	28.6	29.0
5	29.3	27.7	28.3	28.2	25.2	27.1	31.2	29.4	30.1	33.8	28.1	29.4
6	31.0	27.9	29.0	29.0	25.4	27.2	31.6	29.2	30.4	---	---	---
7	30.3	28.3	29.0	28.6	27.2	27.6	31.8	28.9	30.4	---	---	---
8	31.0	28.2	29.5	30.9	26.7	28.5	32.1	29.9	30.9	---	---	---
9	30.9	28.4	29.3	31.6	28.2	29.4	32.2	29.8	30.8	---	---	---
10	30.4	28.4	29.2	31.9	27.8	29.6	33.0	29.8	31.1	---	---	---
11	29.4	27.5	28.7	30.5	27.3	29.0	32.8	30.1	31.0	---	---	---
12	30.8	27.6	28.9	31.9	28.5	29.8	32.3	29.5	30.6	---	---	---
13	28.7	27.3	28.1	32.0	28.7	29.9	31.6	29.6	30.3	---	---	---
14	28.2	27.0	27.6	31.2	29.1	29.9	30.1	28.2	29.4	---	---	---
15	30.9	27.0	28.6	31.2	29.3	30.0	29.2	25.4	27.3	---	---	---
16	31.5	28.3	29.4	32.0	28.4	29.9	28.5	25.3	27.8	---	---	---
17	30.3	28.5	29.2	31.2	28.1	29.7	29.6	27.8	28.5	26.9	25.7	26.4
18	29.0	24.7	27.1	30.5	28.9	29.5	30.9	28.2	29.1	27.6	26.2	26.5
19	27.9	24.6	26.4	29.6	28.5	29.3	31.3	28.7	29.5	27.8	26.1	26.6
20	26.8	24.3	26.3	30.0	28.0	29.1	31.9	28.9	29.8	27.4	25.9	26.6
21	26.8	25.7	26.3	31.3	28.1	29.5	31.2	28.8	29.7	27.9	26.2	26.8
22	27.6	25.8	26.7	31.4	28.9	29.8	30.9	29.4	30.0	27.4	26.4	26.8
23	29.3	27.1	27.8	31.8	28.7	30.1	30.3	29.2	29.8	28.4	26.6	27.3
24	30.6	27.7	28.5	31.7	29.2	30.3	31.4	29.2	30.0	27.4	25.3	26.4
25	30.8	28.3	29.0	31.7	29.5	30.3	31.4	29.3	30.1	28.2	26.3	26.9
26	31.4	28.0	29.2	31.6	29.2	30.3	31.1	29.3	30.0	---	---	---
27	31.9	28.7	29.9	32.7	29.6	30.8	29.8	28.7	29.4	---	---	---
28	30.7	28.2	29.3	32.5	29.5	30.6	29.2	27.6	28.6	---	---	---
29	29.6	27.8	28.4	31.6	29.8	30.5	29.3	27.5	28.5	---	---	---
30	31.1	27.8	28.8	32.3	29.7	30.5	29.7	28.5	28.9	---	---	---
31	---	---	---	32.5	29.7	30.8	29.8	28.8	29.1	---	---	---
Month	31.9	24.3	28.5	32.7	25.2	29.5	33.0	25.3	30.0	33.8	25.3	27.5

Table 6a.--Daily maximum, minimum, and mean water temperature at station 08042534, Keith Lake Pass, near water surface, October 1984 to March 1986--Continued

ay	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1985			November			December			January 1986		
1	MISSING DATA			---	---	---	19.6	15.7	19.0	13.5	12.0	12.5
2				---	---	---	17.0	11.0	13.3	12.6	11.8	12.0
3				---	---	---	16.6	11.9	14.7	13.3	11.6	12.1
4				---	---	---	15.3	12.7	14.1	13.3	11.9	12.4
5				---	---	---	15.0	12.9	13.6	12.0	9.0	10.9
6				19.9	17.9	19.0	15.4	11.6	14.2	11.5	9.2	10.8
7				20.1	18.0	18.9	15.0	13.0	14.4	11.4	10.3	10.8
8				19.0	17.5	18.2	15.8	13.9	15.0	10.0	7.2	8.6
9				20.2	18.5	19.1	15.8	15.1	15.3	8.8	5.6	7.3
10				21.3	19.1	19.6	16.5	15.2	15.8	8.6	6.6	7.6
11				20.5	19.0	19.5	17.6	15.3	16.4	9.5	6.7	8.0
12				20.9	19.1	19.8	15.1	13.3	14.2	10.6	7.6	9.1
13				22.3	20.1	20.8	13.7	7.4	11.4	11.4	8.7	9.5
14				22.8	20.9	21.4	---	---	---	12.2	8.5	9.9
15				23.5	21.3	22.0	13.2	8.5	11.3	12.7	9.6	10.5
16				22.4	21.2	21.7	12.1	9.5	10.8	10.8	10.3	10.6
17				23.7	21.6	22.2	11.8	10.0	10.7	11.4	10.9	11.2
18				24.3	22.1	22.6	11.6	10.8	11.3	12.3	11.3	11.7
19				24.4	22.4	23.1	11.2	9.0	10.4	12.8	11.6	12.2
20				22.5	19.5	20.7	11.3	9.0	10.1	12.9	11.8	12.4
21				20.1	16.6	18.8	10.5	8.9	10.0	14.1	12.1	12.7
22				20.4	17.7	19.5	10.8	10.0	10.4	15.0	12.5	13.5
23				20.6	18.2	20.1	12.6	10.7	11.5	13.2	10.8	12.3
24				20.5	19.9	20.3	12.2	10.3	11.3	12.8	11.4	12.3
25				21.5	20.1	20.9	10.8	4.5	9.6	14.7	12.4	13.2
26				22.2	20.9	21.3	11.7	6.3	9.7	12.8	7.8	11.3
27				22.5	21.4	21.7	12.0	11.3	11.6	---	---	---
28				21.3	19.6	20.5	12.8	11.2	11.7	12.4	8.5	11.3
29				20.0	16.9	18.6	13.9	11.3	12.0	15.6	11.8	12.7
30				19.8	17.7	19.1	13.3	11.5	12.3	14.2	12.3	12.8
31				---	---	---	16.5	12.5	14.0	14.5	12.4	13.0
Month				24.4	16.6	20.5	19.6	4.5	12.5	15.6	5.6	11.0

Table 6a.--Daily maximum, minimum, and mean water temperature at station 08042534, Keith Lake Pass, near water surface, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1986			March								
1	14.0	13.1	13.5	15.4	11.2	14.1						
2	15.1	13.6	14.3	15.6	13.6	14.6						
3	15.7	14.1	14.8	15.6	14.9	15.2						
4	16.2	14.5	15.2	15.5	14.6	15.2						
5	16.2	15.3	15.6	15.3	14.3	15.0						
6	16.1	14.7	15.3	15.7	14.6	15.2						
7	15.2	13.2	14.5	16.3	14.9	15.5						
8	14.9	14.0	14.5	16.5	15.1	15.8						
9	14.3	12.6	13.7	17.0	15.6	16.2						
10	13.5	8.8	11.9	19.2	16.5	17.5						
11	12.4	6.7	9.5	19.2	17.1	17.6						
12	11.6	8.5	10.2	17.6	17.0	17.3						
13	11.4	9.1	10.1	19.1	17.3	18.1						
14	13.2	9.6	11.6	19.0	14.2	17.7						
15	12.3	11.2	11.5	18.8	17.0	18.0						
16	13.8	11.6	12.4	19.9	14.0	17.6						
17	15.6	12.3	13.7	19.6	16.3	17.9						
18	16.5	13.2	14.4	18.8	18.2	18.5						
19	16.8	13.8	15.0	18.8	14.4	17.1						
20	17.2	14.6	15.4	16.7	11.8	14.9						
21	16.9	12.7	15.3	15.7	10.9	14.0						
22	15.2	12.7	14.6	15.3	10.6	13.6						
23	15.1	12.9	14.0	---	---	---						
24	15.4	12.9	14.6	16.4	14.0	15.4						
25	17.4	14.7	15.6	16.8	15.1	16.0						
26	18.2	15.4	16.3	18.3	15.8	16.7						
27	18.5	16.2	16.9	20.2	16.9	18.1						
28	16.8	12.8	15.0	20.0	17.7	18.6						
29	---	---	---	20.4	17.9	19.0						
30	---	---	---	20.1	18.2	19.2						
31	---	---	---	19.8	18.6	19.3						
Month	18.5	6.7	14.0	20.4	10.6	16.5						

Table 6b.--Daily maximum, minimum, and mean water temperature at station 08042534, Keith Lake Pass, near bottom of channel, October 1984 to March 1986

[in degrees Celsius]

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1984			November			December			January 1985		
1	22.0	19.6	21.0	26.6	25.4	25.9	---	---	---			
2	22.0	21.1	21.6	25.5	22.6	24.3	---	---	---			
3	23.0	21.3	22.0	24.3	20.7	22.4	---	---	---			
4	23.4	21.7	22.5	24.0	21.0	23.0	---	---	---			
5	24.8	22.5	23.3	23.3	20.1	21.6	---	---	---			
6	25.6	23.2	23.9	22.4	18.6	20.7	---	---	---			
7	25.5	23.8	24.4	22.4	19.7	21.5	12.4	7.2	10.4			
8	25.4	24.3	24.8	22.2	20.9	21.6	13.6	9.1	11.6			
9	25.3	24.1	24.8	---	---	---	15.4	12.2	13.4			
10	25.6	24.0	24.8	---	---	---	17.5	13.3	15.1			
11	26.4	24.9	25.3	---	---	---	19.9	14.8	16.4			
12	26.7	24.8	25.4	---	---	---	19.5	15.3	16.9			
13	26.4	24.9	25.5	---	---	---	19.6	16.3	17.3			
14	25.4	24.0	24.8	21.8	20.2	21.0	20.4	16.9	18.1			
15	26.5	24.4	25.2	21.4	19.7	20.5	20.4	17.5	18.5			
16	26.7	18.2	22.4	20.4	19.2	19.8	21.3	18.3	19.5			
17	25.2	18.2	22.3	19.3	18.9	19.1	27.5	17.0	20.6			
18	27.1	24.7	25.7	20.0	19.0	19.4	---	---	---			
19	25.4	24.6	25.0	19.3	15.6	17.5	---	---	---			
20	25.8	24.8	25.1	18.2	13.2	15.5	---	---	---			
21	26.7	25.0	25.6	16.2	10.4	13.4	---	---	---			
22	26.3	24.5	25.2	14.7	9.8	12.6	---	---	---			
23	25.1	21.2	23.9	14.7	11.1	13.1	---	---	---			
24	24.3	22.2	23.4	14.8	11.9	13.5	---	---	---			
25	24.9	23.4	24.1	16.2	14.4	15.1	---	---	---			
26	25.6	24.1	24.6	18.6	14.9	16.2	---	---	---			
27	25.9	23.8	24.7	18.6	15.4	16.5	---	---	---			
28	26.7	24.2	25.1	16.4	12.6	14.4	---	---	---			
29	27.4	24.5	25.6	18.0	14.9	16.8	---	---	---			
30	27.2	24.9	25.8	18.6	15.4	17.3	---	---	---			
31	26.7	22.9	25.7	---	---	---	---	---	---			
Month	27.4	18.2	24.5	26.6	9.8	18.5	27.5	7.2	16.0			

Table 6b.--Daily maximum, minimum, and mean water temperature at station 08042534, Keith Lake Pass, near bottom of channel, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1985			March			April			May		
1				---	---	---	20.5	16.7	18.7	25.5	23.1	24.2
2				---	---	---	19.6	17.2	18.7	24.7	22.5	23.6
3				---	---	---	19.8	17.9	19.0	23.7	21.5	22.9
4				---	---	---	19.9	18.4	19.2	24.3	22.3	23.1
5				16.2	14.6	15.8	21.2	19.4	20.1	25.7	22.7	23.6
6				15.7	13.8	15.1	20.5	19.5	20.1	25.7	23.2	23.9
7				16.8	14.9	15.9	21.8	20.0	20.8	26.0	23.4	24.2
8				19.6	16.1	17.2	20.2	17.8	19.3	25.5	23.9	24.7
9				20.6	16.7	18.2	19.0	16.8	18.4	25.5	23.8	24.3
10				20.8	16.9	18.6	18.8	17.5	18.4	25.4	24.1	24.6
11				20.7	17.5	19.0	18.7	18.0	18.4	25.0	24.2	24.5
12				20.5	17.9	18.9	18.6	17.7	18.3	24.6	23.7	24.3
13				20.0	18.2	19.0	19.2	18.3	18.8	24.6	23.7	24.4
14				20.4	17.6	18.9	21.1	19.2	19.8	24.4	24.1	24.3
15				18.1	15.7	17.4	22.6	19.7	20.9	25.3	23.9	24.9
16				17.5	15.2	16.8	23.3	19.6	21.2	28.3	24.4	25.9
17				18.2	15.6	17.1	22.9	20.2	21.1	26.0	24.7	25.4
18				17.8	15.7	17.1	22.6	20.3	21.0	25.6	24.1	24.9
19				17.4	16.0	16.7	22.6	20.7	21.5	26.6	24.5	25.2
20				19.3	18.8	19.1	21.9	21.1	21.4	27.8	24.8	25.9
21				19.6	17.8	18.7	22.3	21.5	21.8	26.6	25.1	25.8
22				18.8	17.4	18.3	22.0	21.7	21.8	27.6	25.4	26.2
23				21.1	18.1	19.5	23.4	21.7	22.3	27.4	25.8	26.4
24				23.0	18.6	20.8	24.5	22.1	23.0	27.1	25.9	26.3
25				23.4	18.9	21.1	23.7	22.4	23.2	27.4	26.1	26.6
26				21.9	19.1	20.0	23.4	22.7	23.0	27.5	26.3	26.8
27				21.3	19.8	20.4	23.1	22.5	22.8	27.6	25.9	26.6
28				21.4	19.3	20.1	24.1	22.5	23.0	27.6	25.3	26.5
29				20.7	19.9	20.3	25.2	23.1	23.6	27.8	25.4	26.5
30				20.7	19.1	20.3	24.7	23.1	23.7	27.9	25.7	26.7
31				19.9	16.2	18.4	---	---	---	28.8	26.2	27.3
Month				23.4	13.8	18.5	25.2	16.7	21.0	28.8	21.5	25.0

Table 6b.--Daily maximum, minimum, and mean water temperature at station 08042534, Keith Lake Pass, near bottom of channel, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	June 1985			July			August			September		
1	29.6	26.8	27.9	31.4	28.4	29.2	32.6	29.5	30.6	---	---	---
2	---	---	---	30.5	28.6	29.1	30.9	29.7	30.1	---	---	---
3	---	---	---	29.2	27.3	28.6	30.9	29.3	30.2	---	---	---
4	---	---	---	28.5	25.8	27.4	30.8	29.9	30.2	---	---	---
5	---	---	---	28.4	25.6	27.3	31.2	29.5	30.0	---	---	---
6	---	---	---	28.9	25.7	27.3	31.6	29.2	30.4	---	---	---
7	---	---	---	28.8	27.4	27.8	31.8	29.2	30.4	---	---	---
8	---	---	---	30.9	27.0	28.6	32.1	30.2	30.9	---	---	---
9	---	---	---	31.5	28.4	29.5	32.1	29.8	30.9	---	---	---
10	---	---	---	31.8	27.9	29.6	32.9	29.8	31.1	---	---	---
11	---	---	---	30.5	27.5	29.1	33.3	30.1	31.3	---	---	---
12	---	---	---	31.9	28.6	29.7	32.8	30.0	31.0	---	---	---
13	---	---	---	31.9	28.8	29.8	32.1	30.0	30.7	---	---	---
14	---	---	---	31.2	29.1	29.9	30.6	29.0	30.0	---	---	---
15	---	---	---	31.2	29.4	29.9	29.8	26.2	28.0	---	---	---
16	---	---	---	32.0	28.6	29.8	29.2	26.1	28.5	---	---	---
17	---	---	---	31.2	28.3	29.7	30.0	28.5	29.1	27.0	25.8	26.4
18	---	---	---	30.5	29.0	29.5	31.1	28.9	29.7	27.6	26.2	26.6
19	---	---	---	29.6	28.7	29.3	31.8	29.3	30.1	27.8	26.2	26.7
20	---	---	---	30.0	28.2	29.2	32.4	29.5	30.3	27.4	25.9	26.6
21	---	---	---	30.5	28.3	29.4	31.8	29.4	30.3	27.9	26.3	26.8
22	---	---	---	31.3	29.1	29.8	31.5	30.2	30.6	27.4	26.4	26.8
23	---	---	---	31.8	28.8	30.1	30.9	30.0	30.4	28.5	26.7	27.3
24	---	---	---	31.6	29.2	30.2	32.0	29.9	30.6	27.4	25.4	26.4
25	---	---	---	31.7	29.6	30.3	32.0	29.9	30.7	28.0	26.4	26.8
26	---	---	---	31.6	29.2	30.3	31.7	29.9	30.6	26.8	23.2	25.0
27	---	---	---	32.6	29.8	30.7	---	---	---	24.7	22.7	23.9
28	30.7	28.4	29.4	32.5	29.5	30.6	---	---	---	24.6	22.5	23.8
29	29.7	28.0	28.5	31.5	29.7	30.4	---	---	---	24.2	23.5	23.9
30	31.1	28.0	28.9	32.2	29.7	30.3	---	---	---	23.9	19.2	22.3
31	---	---	---	32.4	29.8	30.7	---	---	---	---	---	---
Month	31.1	26.8	28.5	32.6	25.6	29.5	33.3	25.4	30.5	28.5	19.2	25.5

Table 6b.--Daily maximum, minimum, and mean water temperature at station 08042534, Keith Lake Pass, near bottom of channel, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	October 1985			November			December			January 1986		
1	20.8	17.7	19.6	18.7	16.4	17.7	---	---	---	---	---	---
2	21.2	18.0	19.8	17.8	17.3	17.5	---	---	---	12.6	12.2	12.4
3	21.5	19.2	20.6	17.8	15.8	16.9	16.3	11.5	14.4	13.9	12.0	12.4
4	23.8	20.3	21.8	17.8	15.2	16.9	15.0	12.3	13.7	13.8	12.4	12.8
5	21.9	19.4	20.5	18.5	16.3	17.5	---	---	---	12.4	9.2	11.3
6	21.3	20.3	20.9	17.9	16.3	17.2	---	---	---	12.4	9.5	11.2
7	22.0	20.6	21.2	19.7	17.6	18.5	---	---	---	11.8	10.6	11.2
8	23.0	20.9	21.7	18.6	17.2	17.8	15.2	13.5	14.5	10.3	7.3	8.9
9	24.3	21.5	22.5	19.8	18.1	18.7	15.2	14.6	14.8	9.1	5.7	7.5
10	24.8	22.4	23.3	20.9	18.7	19.1	15.9	14.7	15.2	8.8	6.7	7.8
11	24.9	22.8	23.6	20.1	18.8	19.3	---	---	---	9.9	6.8	8.2
12	25.0	23.4	24.0	20.4	19.1	19.6	---	---	---	10.9	7.8	9.4
13	25.1	23.9	24.4	21.6	19.7	20.2	---	---	---	11.7	9.0	9.9
14	25.7	24.2	24.8	22.1	20.2	20.7	---	---	---	12.6	8.8	10.2
15	24.8	24.2	24.6	22.7	20.6	21.3	---	---	---	13.1	10.0	10.8
16	25.0	23.4	24.3	21.7	20.5	21.0	---	---	---	11.2	10.7	10.9
17	25.1	24.0	24.4	22.9	21.0	21.6	---	---	---	11.8	11.2	11.5
18	26.1	24.5	24.9	23.5	21.4	22.0	---	---	---	12.6	11.6	12.0
19	26.5	24.9	25.4	23.6	21.8	22.4	---	---	---	13.2	11.9	12.6
20	26.3	25.0	25.5	21.9	18.8	20.0	---	---	---	13.3	12.1	12.8
21	25.9	25.3	25.5	19.5	16.0	18.1	---	---	---	14.5	12.5	13.1
22	25.9	25.2	25.4	19.8	17.1	18.9	---	---	---	15.4	12.9	13.9
23	25.5	25.0	25.2	20.0	17.6	19.6	---	---	---	13.7	11.1	12.7
24	25.4	24.5	25.1	20.3	19.5	20.0	---	---	---	13.3	11.7	12.8
25	25.2	24.2	24.7	20.8	20.0	20.3	---	---	---	15.1	12.9	13.7
26	24.3	23.2	23.8	21.5	20.2	20.7	---	---	---	13.2	10.5	12.4
27	23.0	19.2	21.2	21.8	20.7	21.0	---	---	---	12.1	7.0	9.7
28	19.0	17.6	18.0	---	---	---	---	---	---	12.7	8.7	11.6
29	17.9	17.4	17.6	---	---	---	---	---	---	15.8	12.2	13.1
30	17.4	15.0	16.2	19.2	17.1	18.5	---	---	---	14.7	12.6	13.2
31	18.6	14.2	16.1	---	---	---	---	---	---	14.9	12.8	13.3
Month	26.5	14.2	22.5	23.6	15.2	19.5	19.1	11.5	14.5	15.8	5.7	11.5

Table 6b.--Daily maximum, minimum, and mean water temperature at station 08042534, Keith Lake Pass, near bottom of channel, October 1984 to March 1986--Continued

Day	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
	February 1986			March								
1	14.2	13.5	13.9	15.4	11.5	14.3						
2	15.5	13.9	14.7	15.8	13.8	14.8						
3	16.0	14.5	15.2	15.9	15.1	15.4						
4	16.6	14.9	15.5	15.9	14.8	15.4						
5	16.5	15.6	16.0	15.4	14.5	15.2						
6	16.6	15.0	15.6	15.9	14.8	15.4						
7	15.6	13.5	14.9	16.5	15.2	15.7						
8	15.3	14.3	14.9	16.7	15.4	16.0						
9	14.6	12.9	14.0	17.1	15.9	16.4						
10	13.8	9.0	12.2	19.5	16.7	17.7						
11	12.6	6.8	9.3	19.5	17.2	17.8						
12	11.8	8.7	10.5	17.8	17.3	17.6						
13	11.7	9.3	10.4	19.2	17.5	18.3						
14	13.5	9.9	11.8	19.3	17.6	18.3						
15	12.5	11.4	11.7	19.3	18.1	18.5						
16	14.1	11.8	12.4	20.1	18.2	19.0						
17	15.8	12.5	13.9	20.0	18.4	18.8						
18	16.8	13.4	14.6	19.3	18.5	18.8						
19	17.1	14.1	15.2	19.3	16.2	18.2						
20	17.5	14.8	15.7	17.7	13.3	15.8						
21	17.1	15.1	15.9	16.9	12.1	14.9						
22	15.6	14.4	15.0	15.9	10.8	14.3						
23	15.3	13.1	14.3	16.1	12.8	15.0						
24	15.6	13.0	14.8	16.5	14.4	15.7						
25	17.9	14.9	15.9	16.9	15.2	16.1						
26	18.5	15.4	16.5	18.3	15.9	16.8						
27	18.9	16.4	17.2	20.3	17.0	18.2						
28	17.1	12.4	15.4	20.1	17.7	18.6						
29	---	---	---	20.1	17.9	18.8						
30	---	---	---	20.2	18.3	19.1						
31	---	---	---	19.9	18.6	19.4						
Month	18.9	6.8	14.0	20.3	10.8	17.0						

Table 7.--Periodic surveys of specific conductance and temperature in Salt Bayou estuary, October 1984 to August 1985

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25 °C]

Date	Time	Sampling depth (feet)	Temperature (°C)	Specific conductance (µS/cm)
294631093563100	Line 100	Site 05		
Oct 1984				
16...	13:04	1.00	26.6	25,700
16...	13:06	5.00	26.6	25,800
16...	13:08	9.70	26.6	26,000
19...	10:41	1.00	24.8	15,100
19...	10:43	4.50	24.8	15,200
19...	10:45	9.00	24.9	16,600
Nov				
30...	13:38	1.00	16.6	23,200
30...	13:40	3.00	16.6	23,400
30...	13:42	6.00	16.6	23,500
30...	13:44	9.00	16.6	23,500
Jan 1985				
02...	13:30	1.00	15.8	9,810
02...	13:32	5.00	15.8	9,800
02...	13:34	9.00	15.8	9,850
06...	10:48	1.00	10.5	17,200
06...	10:50	5.00	10.4	17,200
06...	10:52	9.00	10.4	17,200
Apr				
07...	11:19	1.00	21.2	14,500
07...	11:21	5.00	21.2	14,600
07...	11:23	9.50	21.1	14,700
11...	13:26	1.00	19.4	12,300
11...	13:27	5.00	19.4	13,500
11...	13:28	11.00	19.4	13,500
Jun				
16...	11:20	1.00	29.5	28,000
16...	11:21	4.50	29.4	29,300
16...	11:22	9.00	29.1	32,000
20...	10:02	1.00	27.2	23,700
20...	10:03	4.50	27.2	23,600
20...	10:04	9.00	27.2	23,800
Aug				
11...	10:54	1.00	31.1	29,400
11...	10:56	4.00	31.0	31,500
11...	10:58	8.00	30.8	34,600
20...	11:48	1.00	31.0	31,100
294555093571400	Line 110	Site 03		
Oct 1984				
16...	13:23	1.00	26.6	26,300
16...	13:25	3.50	26.6	27,000
19...	10:35	1.00	24.9	17,700
19...	10:37	4.00	24.9	17,500
Nov				
30...	12:28	1.00	16.7	25,600
30...	12:30	3.00	16.3	28,400
Jan 1985				
02...	13:27	1.50	11.5	18,100
06...	10:46	1.00	10.4	19,700
Apr				
07...	11:15	1.00	22.0	11,900
07...	11:17	3.50	21.9	12,700
11...	13:23	1.00	19.4	12,100
11...	13:25	3.00	19.4	12,200
Jun				
16...	11:58	1.00	30.1	27,900
16...	11:59	3.00	30.0	27,700
20...	11:19	1.00	27.9	22,800
20...	11:20	3.00	27.8	22,800
Aug				
11...	12:08	1.50	31.8	29,200
294546093565300	Line 110	Site 05		
Oct 1984				
16...	13:27	1.00	26.8	21,400
16...	13:29	3.80	26.8	21,500
19...	10:32	1.00	24.8	18,400
19...	10:34	3.00	25.0	18,200
Nov				
30...	12:31	1.00	16.5	20,900
30...	12:33	3.50	16.5	21,100
Jan 1985				
02...	13:39	1.50	11.7	17,400
06...	10:44	1.50	10.3	15,900
Apr				
07...	11:11	1.00	21.5	10,600
07...	11:12	3.50	20.6	10,900
11...	13:20	1.00	19.0	15,100
11...	13:21	3.40	19.0	15,100
Jun				
16...	11:14	1.00	29.4	24,800
16...	11:15	3.00	29.4	27,700
20...	09:56	1.00	26.9	24,300
20...	09:57	3.00	26.8	23,100
Aug				
11...	10:48	1.50	30.4	25,100
20...	11:42	2.50	31.0	31,900
294536093563100	Line 110	Site 07		
Oct 1984				
16...	13:31	1.00	27.3	---
16...	13:33	3.60	27.2	21,900
19...	10:28	1.00	24.9	20,700
19...	10:30	3.00	25.0	21,000
Nov				
30...	12:34	1.00	16.7	21,900
30...	12:36	3.00	16.7	22,200
Jan 1985				
02...	13:42	1.50	11.4	17,700
06...	10:40	0.5	10.1	16,200
Apr				
07...	11:08	1.00	21.8	6,010
07...	11:10	3.30	21.8	6,000
11...	13:16	1.00	19.0	15,400
11...	13:18	3.00	19.0	15,300
Jun				
16...	11:11	1.00	29.3	22,300
16...	11:12	3.00	29.3	23,100
20...	09:53	1.00	24.6	29,000
20...	09:54	3.00	24.6	21,200
Aug				
11...	10:46	1.50	29.8	23,400
20...	11:38	2.30	31.0	34,100

Table 7.--Periodic surveys of specific conductance and temperature in Salt Bayou estuary, October 1984 to August 1985--Continued

Date	Time	Sampling depth (feet)	Temperature (°C)	Specific conductance (µS/cm)
294536093574400	Line 120	Site 04		
Oct 1984				
16...	12:59	1.00	26.6	23,200
16...	13:01	3.80	26.6	23,300
19...	10:49	1.00	24.5	16,700
19...	10:51	4.00	24.5	17,000
Nov				
30...	12:24	1.00	16.5	26,700
30...	12:26	3.50	16.6	26,800
Jan 1985				
02...	13:23	1.50	11.8	18,800
06...	12:09	1.50	11.9	15,000
Apr				
07...	11:25	1.00	21.8	10,900
07...	11:27	3.00	21.5	11,400
11...	13:32	1.00	19.3	15,000
11...	13:34	3.50	19.2	15,100
Jun				
16...	12:03	1.00	30.6	23,200
16...	12:04	3.00	29.7	25,500
20...	11:23	1.00	25.4	20,400
20...	11:24	3.00	26.7	22,000
Aug				
11...	12:10	1.50	31.3	25,900
20...	12:00	2.50	30.9	28,900
294520093573000	Line 120	Site 06		
Oct 1984				
16...	12:53	1.00	26.6	23,300
16...	12:55	4.10	26.5	21,700
19...	10:53	1.00	24.8	19,100
19...	10:55	4.00	24.9	19,200
Nov				
30...	12:21	1.00	16.4	18,600
30...	12:23	3.50	16.4	20,400
Jan 1985				
02...	13:47	2.00	11.7	17,100
06...	10:38	1.00	10.0	13,300
Apr				
07...	11:02	1.00	21.4	10,500
07...	11:03	3.50	21.5	10,600
11...	13:10	1.00	19.0	15,000
11...	13:12	3.20	19.0	15,000
Jun				
16...	11:05	1.00	29.6	22,300
16...	11:06	3.00	29.5	22,400
20...	09:48	1.00	25.1	22,000
20...	09:49	3.00	25.1	22,000
Aug				
11...	10:43	1.50	29.7	21,500
294515093581600	Line 130	Site 05		
Oct 1984				
15...	12:14	1.00	25.0	25,500
15...	12:16	4.00	25.0	25,400
19...	10:58	1.00	24.9	19,100
19...	11:00	5.00	24.9	20,600
Nov				
30...	12:13	1.00	16.0	14,200
30...	12:15	4.00	16.0	14,300
Jan 1985				
02...	13:20	1.50	11.7	19,000
06...	10:34	1.50	9.5	11,300

Date	Time	Sampling depth (feet)	Temperature (°C)	Specific conductance (µS/cm)
294515093581600	Line 130	Site 05--Continued		
Apr 1985				
07...	10:57	1.00	21.3	8,280
07...	10:59	4.00	21.3	9,230
11...	13:06	1.00	18.9	10,800
11...	13:08	3.80	18.9	11,200
Jun				
16...	12:28	1.00	30.5	21,300
16...	12:29	3.50	30.5	21,700
20...	11:25	1.00	25.5	19,300
20...	11:26	3.50	24.9	19,400
Aug				
11...	10:30	2.00	30.1	17,200
20...	11:27	1.00	31.2	28,100
20...	11:28	3.10	30.9	28,800
294507093584000	Line 140	Site 05		
Oct 1984				
15...	12:28	1.00	25.0	27,600
15...	12:30	3.50	24.8	27,800
19...	11:01	1.00	24.7	17,200
19...	11:03	4.00	24.7	17,300
Nov				
30...	13:56	1.00	16.3	13,300
30...	13:58	3.00	16.3	13,700
Jan 1985				
02...	13:15	1.50	11.9	18,700
06...	10:31	1.00	9.6	11,000
Apr				
07...	10:53	1.00	21.2	8,090
07...	10:55	3.50	21.0	8,100
11...	13:03	1.00	18.9	11,000
11...	13:05	3.10	18.9	10,900
Jun				
16...	12:35	1.00	30.3	20,100
16...	12:36	3.00	29.6	20,100
20...	11:28	1.00	25.3	18,300
20...	11:29	3.00	24.8	18,400
Aug				
11...	10:35	1.50	29.5	16,100
20...	11:25	2.50	31.2	28,200
294455093592600	Line 150	Site 05		
Oct 1984				
15...	12:37	1.00	25.4	29,800
15...	12:39	3.80	25.3	29,700
19...	11:12	1.00	25.0	22,000
19...	11:14	4.00	24.9	22,000
Nov				
30...	13:59	1.00	16.0	12,000
30...	14:01	3.00	16.1	12,000
Jan 1985				
02...	13:10	1.50	11.3	18,600
06...	10:28	1.00	9.8	10,700
Apr				
07...	10:49	1.00	21.3	5,200
07...	10:51	3.50	21.3	5,230
11...	12:57	1.00	18.7	8,230
11...	12:59	3.10	18.7	8,200
Jun				
16...	12:39	1.00	30.5	18,600
16...	12:40	2.80	30.3	18,500
20...	11:32	1.00	24.9	17,800
20...	11:33	3.00	24.8	17,500
Aug				
11...	10:33	1.00	29.5	14,200
20...	11:20	2.40	30.8	26,300

Table 7.--Periodic surveys of specific conductance and temperature in Salt Bayou estuary, October 1984 to August 1985--Continued

Date	Time	Sampling depth (feet)	Temperature (°C)	Specific conductance (µS/cm)
294537094012100	Line 230	Site 05--Continued		
Apr 1985				
07...	10:13	1.00	21.0	4,570
07...	10:15	3.20	20.8	4,670
11...	12:21	1.00	18.7	6,050
11...	12:23	3.00	18.7	6,110
Jun				
16...	12:56	1.00	31.0	18,700
16...	12:57	2.50	31.0	19,000
20...	11:44	1.00	25.2	18,000
20...	11:45	2.50	24.9	18,200
Aug				
11...	12:37	1.00	31.9	15,900
20...	12:53	2.50	31.8	25,600
294456094010600	Line 240	Site 05		
Nov 1984				
26...	14:00	1.50	18.1	9,200
30...	12:03	1.00	16.0	8,910
30...	12:05	3.00	16.0	8,890
Jan 1985				
02...	12:57	1.50	11.1	17,200
06...	10:18	1.00	9.1	10,800
Apr				
07...	10:35	1.00	21.3	5,150
07...	10:37	3.10	20.8	5,350
11...	12:40	1.00	18.6	5,910
11...	12:42	3.20	18.6	5,880
Jun				
16...	12:52	1.00	30.4	18,800
16...	12:53	2.50	30.3	18,600
20...	11:41	1.00	25.2	14,600
20...	11:42	2.50	24.8	15,000
Aug				
11...	10:23	1.00	29.5	14,000
20...	11:05	2.20	30.2	26,500
294407094020100	Line 250	Site 05		
Oct 1984				
15...	11:51	1.00	25.6	24,600
15...	11:53	2.80	25.7	23,600
19...	11:48	1.00	24.7	12,100
19...	11:50	3.00	24.8	12,500
Nov				
30...	11:57	2.50	15.8	9,700
Jan 1985				
02...	12:21	1.50	10.5	14,500
06...	09:18	0.5	8.0	7,490
Apr				
07...	10:07	2.50	20.8	5,200
11...	12:15	2.50	18.7	5,700
Jun				
16...	10:21	1.00	28.9	18,200
16...	10:22	2.00	28.5	18,200
20...	09:33	1.00	24.2	13,400
20...	09:34	2.00	24.2	13,200
Aug				
11...	10:20	0.5	29.1	14,000
20...	11:00	1.50	30.6	18,900
294313094001300	Line 300	Site 05		
Oct 1984				
15...	11:13	1.00	24.5	22,600
15...	11:15	3.50	24.4	22,100
19...	13:11	1.00	25.0	20,000
19...	13.13	3.50	25.0	20,100
Nov				
26...	13:40	1.00	17.2	14,600
26...	13:42	3.00	17.2	14,100
30...	11:44	1.00	15.4	12,900
30...	11:46	3.00	15.4	12,900
Jan 1985				
02...	12:07	1.00	12.0	11,800
02...	12:10	2.50	11.9	11,800
06...	09:08	1.50	7.6	12,200
Apr				
07...	09:56	1.00	21.1	5,380
07...	09:58	3.00	21.1	5,390
11...	12:03	1.00	18.8	4,570
11...	12:05	2.90	18.8	4,590
Jun				
16...	10:10	1.00	29.6	12,200
16...	10:11	2.00	28.8	12,700
20...	09:23	1.00	24.4	13,000
20...	09:24	2.50	24.4	12,800
Aug				
11...	10:10	1.00	29.3	16,200
20...	10:47	2.00	30.5	16,100
294312094012000	Line 310	Site 04		
Oct 1984				
15...	11:27	1.00	24.7	26,300
15...	11:29	3.20	24.7	25,000
19...	12:05	1.00	24.8	22,500
19...	12:07	3.00	24.8	21,900
Nov				
26...	13:47	2.50	17.2	13,700
30...	11:48	1.00	15.5	11,600
30...	11:50	3.00	15.5	11,600
Jan 1985				
02...	12:13	1.00	---	11,600
02...	12:15	2.50	11.8	11,500
06...	09:12	1.50	7.7	11,400
Apr				
07...	10:02	2.50	21.2	4,510
11...	12:08	1.00	18.9	5,080
11...	12:10	2.90	18.9	5,090
Jun				
16...	10:16	1.00	29.6	14,800
16...	10:17	2.00	29.0	14,900
20...	09:28	1.00	24.3	13,300
20...	09:29	2.00	24.3	13,200
Aug				
11...	10:13	1.00	29.3	16,300
20...	10:53	2.00	30.6	17,300
294256094012200	Line 310	Site 06		
Oct 1984				
15...	11:22	1.00	24.7	26,400
15...	11:24	3.70	24.7	27,400
19...	11:56	1.00	24.7	21,400
19...	11:58	3.50	24.7	21,400
Nov				
26...	14:06	2.50	17.3	13,000
30...	12:40	1.00	12.6	10,700
30...	12:41	3.00	12.6	10,700

Table 7.--Periodic surveys of specific conductance and temperature in Salt Bayou estuary, October 1984 to August 1985--Continued

Date	Time	Sampling depth (feet)	Temperature (°C)	Specific conductance (µS/cm)
294256094012200	Line 310	Site 06--Continued		
Jan 1985				
02...	14:07	1.50	11.5	12,000
06...	12:28	1.00	9.5	9,850
Apr				
07...	11:45	1.00	22.2	4,600
07...	11:47	3.00	22.2	4,610
11...	13:47	2.50	18.8	4,620
Jun				
16...	14:12	1.00	32.1	14,000
16...	14:13	2.00	31.9	13,400
20...	12:28	1.00	25.3	12,400
20...	12:29	2.00	25.3	12,400
Aug				
11...	13:05	1.00	32.0	15,900
20...	13:30	2.00	32.1	16,500
294206094014500	Line 370	Site 04		
Oct 1984				
15...	11:00	1.00	24.6	24,300
15...	11:02	3.00	24.5	23,000
19...	13:02	1.00	24.7	21,900
19...	13:04	3.00	24.7	21,900
Nov				
26...	13:33	2.50	17.5	11,500
30...	11:35	2.50	15.7	10,100
Jan 1985				
02...	11:50	1.00	11.5	11,800
02...	11:54	2.00	11.6	11,800
06...	08:59	1.00	7.4	11,600
Apr				
07...	09:47	2.50	20.8	4,320
11...	11:55	2.50	18.8	4,270
Jun				
16...	09:51	1.00	29.4	11,800
16...	09:52	1.50	29.1	11,200
20...	09:13	1.00	24.1	11,800
20...	09:14	2.00	24.1	11,500
Aug				
11...	09:55	0.5	28.9	16,000
20...	10:35	1.50	30.3	16,300
294204094012800	Line 370	Site 06		
Oct 1984				
15...	11:03	1.00	24.6	22,200
15...	11:05	3.00	24.6	20,900
19...	13:05	1.00	24.8	21,900
19...	13:07	3.00	24.7	21,800
Nov				
26...	13:30	2.50	17.6	11,500
30...	11:38	2.50	15.7	10,700
Jan 1985				
02...	11:55	1.00	11.6	11,800
02...	11:57	2.50	11.6	11,800
06...	09:02	1.00	7.4	11,800
Apr				
07...	09:50	2.50	20.6	4,180
11...	11:58	1.00	18.7	4,290
11...	12:00	2.80	18.8	4,360
Jun				
16...	10:01	0.5	29.2	12,700
16...	10:03	1.50	29.2	12,800
20...	09:16	1.00	24.0	11,600
20...	09:17	2.00	24.0	14,800
Aug				
11...	10:00	0.5	28.9	16,400
			20.5	16,900
294245094013600	Line 405	Site 05		
Oct 1984				
15...	10:53	2.30	24.4	25,500
19...	15:22	1.50	25.0	23,000
Nov				
26...	13:25	1.50	11.8	9,400
30...	14:45	2.00	17.1	10,800
Jan 1985				
02...	11:29	0.5	11.5	12,600
06...	08:54	0.5	6.9	9,610
Apr				
07...	11:51	1.51	23.1	4,590
11...	13:50	1.80	18.9	4,480
Jun				
16...	14:18	1.00	34.3	16,300
16...	14:19	1.50	34.2	16,400
20...	12:32	1.00	26.6	12,700
Aug				
11...	13:15	0.5	35.4	13,000
20...	13:35	0.8	34.3	16,300
20...	16:30	1.50	34.4	12,400
294319094022700	Line 410	Site 05		
Oct 1984				
15...	13:33	1.00	27.0	24,900
15...	13:35	4.90	26.4	25,100
19...	15:13	1.00	24.9	21,000
19...	15:14	3.00	24.9	21,100
Nov				
26...	13:18	1.00	18.1	8,900
26...	13:20	5.00	18.0	7,200
30...	14:47	1.00	16.5	8,100
30...	14:49	4.50	16.5	9,670
Jan 1985				
02...	11:24	1.00	10.6	11,400
06...	08:50	1.50	7.6	7,270
Apr				
07...	12:11	2.00	22.5	4,860
11...	13:54	2.50	18.9	5,300
Jun				
16...	14:25	1.00	31.7	16,700
16...	14:26	4.50	30.6	14,800
20...	12:37	1.00	25.1	13,400
20...	12:38	5.00	24.9	13,500
Aug				
11...	13:19	1.00	32.2	14,200
11...	13:20	4.00	30.7	13,300
20...	13:40	1.00	34.0	16,400
20...	13:41	4.00	33.2	16,100
294339094024700	Line 412	Site 05		
Oct 1984				
15...	14:16	1.00	26.8	25,200
15...	14:18	2.10	26.6	25,200
19...	15:04	1.50	24.7	22,500
Nov				
26...	13:13	2.00	18.5	10,200
30...	15:09	2.00	18.5	9,070
Jan 1985				
02...	11:19	0.5	10.8	12,500
06...	08:44	0.5	6.6	10,200
Apr				
07...	14:27	1.80	25.4	4,570
11...	13:58	1.20	19.0	5,210

Table 7.--Periodic surveys of specific conductance and temperature in Salt Bayou estuary, October 1984 to August 1985--Continued

Date	Time	Sampling depth (feet)	Temperature (°C)	Specific conductance (µS/cm)
294339094024700	Line 412	Site 05--Continued		
Jun 1985				
16...	15:07	1.00	35.1	17,700
20...	12:43	1.00	26.2	13,900
Aug				
12...	11:25	0.5	30.1	13,500
20...	13:47	0.7	35.3	16,500
294325094025000	Line 413	Site 05		
Oct 1984				
15...	10:44	2.00	24.7	21,000
19...	15:03	2.00	24.9	22,500
Nov				
26...	13:09	2.00	18.6	9,100
30...	15:12	2.00	18.5	8,750
Jan 1985				
02...	11:13	1.00	9.8	9,580
06...	08:40	0.5	6.9	8,450
Apr				
07...	14:30	1.20	24.9	4,640
11...	14:02	2.90	18.9	5,200
Jun				
16...	15:11	1.00	34.6	17,000
20...	12:47	1.00	26.4	13,100
Aug				
12...	11:30	0.2	31.8	13,300
20...	13:50	0.8	34.9	16,700
294316094025000	Line 414	Site 05		
Oct 1984				
15...	14:24	1.00	27.0	21,800
15...	14:26	2.00	27.0	21,400
19...	15:04	1.50	25.1	23,000
Nov				
26...	12:59	1.50	17.5	5,500
30...	15:14	2.00	18.3	8,210
Jan 1985				
02...	11:10	1.00	10.3	9,560
06...	08:37	0.5	5.6	7,720
Apr				
07...	14:36	1.40	25.3	4,510
11...	14:23	1.20	19.0	5,000
Jun				
16...	15:24	1.00	36.5	17,400
16...	15:25	1.50	36.3	17,400
20...	12:50	1.00	26.7	12,200
Aug				
12...	11:55	0.5	31.5	12,400
20...	13:55	0.7	34.8	16,000
294156094030400	Line 420	Site 05		
Oct 1984				
15...	13:47	1.00	27.0	22,900
15...	13:49	4.10	24.9	19,900
19...	15:43	1.00	24.6	20,700
19...	15:45	3.00	24.6	20,700
Nov				
26...	14:19	1.00	17.8	8,700
26...	14:21	3.00	17.8	8,700
30...	14:57	1.00	17.6	7,280
30...	14:59	3.00	16.9	7,390
Jan 1985				
06...	12:43	1.50	9.6	6,230
294156094030400	Line 420	Site 05--Continued		
Apr 1985				
07...	12:19	1.00	22.2	3,260
07...	12:21	3.00	22.2	3,270
Jun				
16...	14:36	1.00	32.3	17,100
16...	14:37	2.00	31.9	17,100
Aug				
12...	11:10	1.00	30.6	10,300
294213094033500	Line 425	Site 05		
Oct 1984				
15...	14:31	1.00	27.5	16,900
15...	14:33	2.00	25.6	15,600
19...	14:52	1.50	25.2	15,500
Nov				
26...	12:50	1.50	16.7	6,000
30...	15:20	1.00	17.2	4,330
Jan 1985				
02...	11:02	1.00	9.9	7,650
06...	12:59	0.5	10.3	6,830
Apr				
07...	14:43	0.8	26.2	3,330
11...	14:30	1.00	19.6	3,640
Jun				
16...	15:30	1.00	37.8	16,500
20...	13:00	1.00	26.9	10,300
Aug				
12...	12:03	0.5	34.7	1,080
20...	14:03	0.6	37.6	13,400
294132094044900	Line 430	Site 05		
Oct 1984				
15...	13:56	1.00	27.1	21,300
15...	13:58	3.20	25.8	19,400
19...	14:03	1.00	25.0	17,900
19...	14:05	3.00	25.0	18,000
Nov				
26...	14:28	1.00	17.7	8,100
26...	14:30	3.00	17.4	7,400
30...	15:43	1.00	17.6	7,100
30...	15:45	3.50	17.6	7,110
Jan 1985				
02...	15:07	1.00	11.2	6,030
02...	15:10	3.00	11.1	6,200
06...	16:10	2.00	11.7	6,290
Apr				
07...	12:30	2.00	23.1	2,440
11...	15:08	1.00	19.4	4,360
11...	15:10	3.10	19.4	4,340
Jun				
16...	14:46	1.00	33.1	17,100
16...	14:47	2.00	33.0	17,100
20...	15:26	1.00	26.0	10,800
20...	15:27	3.00	25.9	10,800
Aug				
12...	13:42	1.00	32.8	9,800

Table 7.--Periodic surveys of specific conductance and temperature in Salt Bayou estuary, October 1984 to August 1985--Continued

Date	Time	Sampling depth (feet)	Temperature (°C)	Specific conductance (µS/cm)
294218094050500	Line 450	Site 05		
Oct 1984				
15...	10:19	2.00	24.7	14,900
19...	14:40	1.50	24.3	9,400
Nov				
26...	12:40	1.50	16.8	5,400
30...	15:29	1.00	17.8	5,110
Jan 1985				
02...	10:53	1.00	10.1	5,620
06...	08:18	0.5	6.2	6,040
Apr				
07...	14:52	1.00	25.8	2,980
11...	14:39	0.9	19.4	3,430
Jun				
16...	15:42	1.00	39.6	14,100
20...	13:07	1.00	26.3	8,840
Aug				
12...	12:14	0.5	36.7	13,700
20...	14:10	0.4	36.3	10,700
294051094051700	Line 510	Site 05		
Nov 1984				
27...	10:31	1.00	16.0	6,880
27...	10:33	3.00	15.9	6,900
30...	10:23	1.00	15.1	6,370
30...	10:25	3.00	15.1	6,350
Jan 1985				
03...	12:24	1.50	7.5	5,400
06...	14:33	1.50	10.5	5,050
Apr				
08...	08:32	1.80	18.2	2,090
11...	08:42	2.40	18.7	1,970
Jun				
17...	08:17	1.00	28.6	5,430
17...	08:18	2.00	28.6	5,460
20...	15:40	1.00	25.7	6,300
20...	15:41	2.00	25.7	6,320
Aug				
12...	14:00	0.5	33.6	9,350
21...	08:45	1.60	28.0	9,870
294202094054800	Line 515	Site 05		
Oct 1984				
15...	14:50	1.00	27.6	14,000
15...	14:52	2.50	27.7	14,000
19...	14:33	1.00	25.1	11,400
Nov				
26...	12:30	1.50	17.6	5,100
30...	15:33	1.00	18.8	4,650
Jan 1985				
02...	10:40	1.00	11.1	4,130
06...	08:12	0.5	7.5	4,150
Apr				
07...	14:58	1.00	26.2	2,030
11...	14:45	1.00	19.3	2,090
Jun				
16...	15:50	1.00	38.4	8,900
20...	13:15	1.00	25.5	6,020
Aug				
12...	12:20	0.5	35.0	15,300
20...	14:15	0.6	37.2	16,800
294140094061600	Line 520	Site 03		
Oct 1984				
16...	10:04	1.00	26.1	20,400
16...	10:06	2.90	26.1	19,300
20...	09:42	1.00	24.3	19,200
20...	09:44	3.00	24.3	19,300
Nov				
27...	10:19	1.00	16.0	7,080
27...	10:21	3.00	16.0	7,120
30...	10:10	1.00	14.9	5,840
30...	10:12	3.00	15.0	5,800
Jan 1985				
03...	12:13	1.50	7.6	5,320
06...	14:20	1.50	10.3	5,210
Apr				
08...	08:19	2.50	19.2	1,740
11...	08:33	2.50	18.7	1,880
Jun				
17...	08:29	1.00	28.7	7,400
17...	08:30	2.00	28.7	7,360
20...	15:55	1.00	---	6,390
20...	15:56	2.50	---	6,390
Aug				
12...	14:09	1.00	32.9	8,820
21...	09:00	2.00	28.7	9,500
294121094061800	Line 520	Site 05		
Oct 1984				
16...	10:10	1.00	26.1	18,700
16...	10:11	3.10	26.1	18,300
20...	09:48	1.00	24.3	19,400
20...	09:50	3.00	24.3	19,400
Nov				
27...	10:23	1.00	15.9	6,370
27...	10:25	3.00	15.9	6,400
30...	10:15	2.00	14.9	6,390
Jan 1985				
03...	12:16	1.50	7.8	5,300
06...	14:25	1.50	11.0	5,290
Apr				
08...	08:21	2.50	19.2	1,740
11...	08:34	1.00	18.6	1,920
11...	08:35	3.00	18.6	1,910
Jun				
17...	08:26	1.00	28.7	5,510
17...	08:27	2.50	28.7	5,540
20...	15:53	1.00	---	6,480
20...	15:54	2.50	---	6,450
Aug				
12...	14:07	1.00	32.9	9,310
21...	08:55	2.00	28.6	9,520
294103094062000	Line 520	Site 07		
Oct 1984				
16...	10:13	1.00	26.2	20,100
16...	10:15	3.00	26.2	20,100
20...	09:52	1.00	24.3	19,100
20...	09:54	3.00	25.3	18,800
Nov				
27...	10:26	1.00	16.0	5,700
27...	10:27	3.00	15.9	5,710
30...	10:18	1.00	15.2	5,700
30...	10:20	3.00	15.1	5,720

Table 7.--Periodic surveys of specific conductance and temperature in Salt Bayou estuary, October 1984 to August 1985--Continued

Date	Time	Sampling depth (feet)	Temperature (°C)	Specific conductance (µS/cm)
294103094062000	Line 520	Site 07--Continued		
Jan 1985				
03...	12:19	1.50	7.8	5,290
06...	14:28	1.50	10.3	5,230
Apr				
08...	08:26	2.50	18.9	1,800
11...	08:37	2.50	18.6	1,920
Jun				
17...	08:20	1.00	28.5	5,440
17...	08:21	1.50	28.5	5,440
20...	15:50	1.00	---	4,850
20...	15:51	2.00	---	5,220
Aug				
12...	14:05	0.5	33.1	9,160
21...	08:52	1.80	28.3	9,600
294127094070200	Line 600	Site 05		
Oct 1984				
16...	10:23	1.00	26.2	19,400
16...	10:25	3.10	26.2	19,500
20...	09:29	1.00	24.1	18,200
20...	09:31	3.50	24.1	18,200
Nov				
27...	10:39	1.00	15.8	4,530
27...	10:41	3.50	15.7	4,530
30...	10:06	1.00	15.0	3,930
30...	10:08	3.00	15.0	3,910
Jan 1985				
03...	12:32	1.50	8.0	4,260
06...	14:18	1.50	11.5	4,130
Apr				
08...	08:41	1.00	17.7	1,660
08...	08:43	3.00	17.4	1,660
11...	08:47	1.00	18.4	1,890
11...	08:48	2.90	18.4	1,880
Jun				
17...	08:32	1.00	28.1	5,700
17...	08:33	2.50	28.2	5,410
20...	14:59	1.00	26.5	6,120
20...	15:00	2.00	26.5	6,120
Aug				
12...	14:14	0.5	37.0	13,100
21...	09:05	2.20	27.0	9,920
294116094092600	Line 620	Site 05		
Oct 1984				
16...	09:45	1.50	26.1	11,900
20...	09:19	1.50	24.1	9,550
Nov				
27...	10:06	2.50	16.8	4,520
30...	09:56	1.00	15.6	4,240
Jan 1985				
03...	11:58	0.5	7.8	3,590
06...	14:05	0.5	11.7	3,620
Apr				
08...	08:54	1.20	18.0	1,550
11...	08:58	1.00	18.9	1,680
Jun				
17...	08:53	1.00	27.2	14,400
20...	14:37	1.00	25.8	12,500
Aug				
12...	13:15	1.50	35.8	13,800
20...	15:25	2.90	35.5	14,500
294027094094800	Line 710	Site 05		
Oct 1984				
16...	08:49	1.00	25.9	22,600
16...	08:51	2.10	25.9	22,600
20...	10:28	1.00	24.5	15,200
20...	10:30	2.00	24.5	15,600
Nov				
27...	09:33	2.50	16.3	3,650
30...	09:20	2.50	15.0	3,130
Jan 1985				
03...	11:29	1.50	7.1	3,240
06...	15:01	1.50	10.5	3,150
Apr				
08...	09:12	1.30	18.1	1,560
11...	10:22	2.00	18.7	1,580
Jun				
17...	10:06	1.00	27.5	15,300
20...	14:39	1.00	25.5	12,100
Aug				
12...	12:53	0.5	32.8	13,500
20...	15:38	1.50	33.7	16,400
294026094100300	Line 715	Site 05		
Oct 1984				
20...	10:33	1.00	24.4	17,700
20...	10:35	2.50	24.4	17,600
Nov				
27...	09:34	1.00	16.3	3,600
27...	09:36	3.00	16.3	3,580
30...	09:23	1.00	14.9	3,210
30...	09:25	3.00	14.9	3,110
Jan 1985				
03...	11:23	1.50	6.7	3,110
06...	15:04	1.50	10.5	3,170
Apr				
08...	09:15	1.50	18.5	1,470
11...	10:19	1.70	18.8	1,590
Jun				
17...	10:08	1.00	27.8	12,800
20...	14:41	2.00	25.6	13,000
Aug				
12...	12:55	0.5	33.1	13,300
20...	15:40	1.60	33.2	15,200
294026094102400	Line 720	Site 05		
Oct 1984				
16...	08:55	1.00	26.0	24,200
16...	08:57	2.20	26.0	24,500
20...	10:53	1.00	24.6	18,800
20...	10:55	2.50	24.5	18,400
Nov				
27...	09:37	1.00	16.3	3,200
27...	09:39	3.00	16.3	3,200
30...	09:27	1.00	14.9	3,000
30...	09:29	3.00	14.9	2,980
Jan 1985				
03...	11:27	1.50	6.8	3,220
06...	15:06	1.50	10.6	3,080
Apr				
08...	09:17	2.00	18.9	1,520
11...	10:21	1.40	18.9	1,610
Jun				
17...	10:10	1.00	27.4	16,200
20...	14:43	1.50	26.0	12,500
Aug				
12...	12:57	0.5	32.6	13,200
20...	15:43	1.30	33.5	17,000

Table 7.--Periodic surveys of specific conductance and temperature in Salt Bayou estuary, October 1984 to August 1985--Continued

Date	Time	Sampling depth (feet)	Temperature (°C)	Specific conductance (µS/cm)
294037094104900	Line 730	Site 05		
Oct 1984				
16...	09:03	1.00	26.0	23,800
16...	09:05	2.00	26.0	24,000
20...	10:39	1.00	24.6	18,700
20...	10:41	2.00	24.6	18,800
Nov				
27...	09:40	1.00	16.5	3,260
27...	09:42	3.00	16.4	3,260
30...	09:30	1.00	15.1	2,500
30...	09:32	3.00	15.1	2,500
Jan 1985				
03...	11:20	1.50	6.7	3,180
06...	15:08	1.50	10.9	3,020
Apr				
08...	09:19	1.30	18.6	1,470
11...	10:23	1.40	18.5	1,590
Jun				
17...	10:12	1.00	26.7	17,400
20...	14:46	1.00	26.9	11,200
20...	14:47	1.50	26.7	18,000
Aug				
12...	12:59	0.5	33.5	13,200
20...	15:45	1.20	33.8	18,600

Date	Time	Sampling depth (feet)	Temperature (°C)	Specific conductance (µS/cm)
294106094110300	Line 750	Site 05		
Oct 1984				
16...	09:09	1.00	25.7	17,200
16...	09:11	2.00	25.8	17,100
20...	10:43	1.00	25.1	11,400
20...	10:45	2.00	25.1	11,500
Nov				
27...	09:45	2.50	16.3	3,240
30...	09:34	2.00	15.3	3,200
Jan 1985				
03...	11:37	1.50	7.8	3,650
06...	15:13	1.50	11.4	3,110
Apr				
08...	09:23	1.00	18.6	1,500
11...	10:27	1.40	19.1	2,800
Jun				
17...	10:16	1.00	---	19,200
Aug				
12...	13:01	0.5	32.2	14,300
20...	15:50	1.40	35.5	19,800

Table 8.--Rainfall, October 1984 to March 1986

[in inches; T, trace]

Day	Anahuac	Port Arthur	Sea Rim	Anahuac	Port Arthur	Sea Rim	Anahuac	Port Arthur	Sea Rim
	October 1984			November 1984			December 1984		
1	--	--	--	--	0.23	--	--	--	--
2	--	--	--	1.47	.65	--	0.02	0.27	0.4
3	--	--	--	.03	--	--	.25	--	--
4	--	--	--	--	--	--	.35	.44	--
5	0.10	--	--	--	--	--	.27	.28	--
6	--	--	--	--	--	--	.06	--	--
7	.04	--	--	--	--	--	--	--	--
8	--	1.10	--	--	--	--	--	--	--
9	--	4.40	0.02	--	.02	--	--	--	--
10	.35	.01	1.20	.31	.54	1/	--	--	--
11	--	T	.02	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--
13	--	.70	1.25	--	--	--	T	--	--
14	1.63	1.50	7.70	--	--	--	--	--	--
15	.30	--	.02	--	.01	--	--	--	--
16	.39	.44	1.33	.20	.16	1/	.45	.20	--
17	--	3.65	--	--	.52	--	.02	--	--
18	--	T	1.22	.27	1.87	1/	T	--	--
19	.01	1.25	1.00	--	--	--	--	--	--
20	.80	.44	.60	--	--	--	.01	--	--
21	.19	.19	2.00	--	--	--	T	--	--
22	5.25	1.13	.90	--	--	--	.08	.20	--
23	.03	.11	.03	--	--	--	--	.02	--
24	.03	--	--	--	--	--	--	--	--
25	.74	--	--	--	T	--	--	--	--
26	.17	--	--	.02	2.10	1.50	.04	--	--
27	--	--	--	.73	.21	--	.02	T	--
28	--	--	--	--	--	--	.22	--	--
29	--	--	--	--	--	--	--	--	--
30	--	.02	--	--	.13	--	--	--	--
31	.16	--	--	--	--	--	--	.62	--
Total	8.33	14.94		3.03	6.44		1.79	2.03	
Departure from normal	4.83	11.31		-1.04	2.11		-2.44	-2.52	

Table 8.--Rainfall, October 1984 to March 1986--Continued

Day	Anahuac	Port Arthur	Sea Rim	Anahuac	Port Arthur	Sea Rim	Anahuac	Port Arthur	Sea Rim
	January 1985			February 1985			March 1985		
1	0.48	T	--	0.02	0.02	0.03	0.65	0.51	0.24
2	.30	0.74	--	--	--	--	--	T	.03
3	.30	.17	0.40	--	T	.50	--	--	--
4	.23	--	--	--	.65	.10	--	.03	.06
5	--	--	--	.30	T	T	.15	--	--
6	--	--	--	.03	--	--	--	--	--
7	--	--	--	--	--	--	--	--	--
8	--	--	--	--	--	--	--	--	--
9	--	--	--	--	--	--	--	--	--
10	.23	.33	.31	.40	1.47	.10	--	T	--
11	--	T	T	1.35	T	1.55	--	--	--
12	.15	.01	--	.03	--	--	--	--	--
13	.15	.18	.10	--	--	--	--	--	--
14	.43	.35	.40	.04	.01	--	.30	1.05	2.80
15	--	--	.10	--	--	--	1.66	.35	.08
16	--	.44	.30	--	--	--	.47	.15	.52
17	.28	.03	.15	--	--	--	--	T	.50
18	--	--	--	--	--	--	--	--	--
19	--	--	--	--	--	.03	--	T	--
20	--	T	.02	--	--	--	1.27	2.45	3.14
21	--	--	.02	--	--	--	1.13	--	--
22	--	--	--	--	T	--	--	--	--
23	--	T	--	--	2.97	.70	--	--	--
24	.04	T	--	3.50	.44	4.00	--	--	--
25	--	--	--	.85	.78	.13	--	--	--
26	--	--	--	--	.05	--	--	--	--
27	.25	.97	1.60	.14	T	.07	--	.10	1/
28	.37	--	.02	--	.46	--	--	T	--
29	--	T	--	--	--	--	--	--	--
30	--	.02	.04	--	--	--	--	.10	.03
31	.05	.20	--	--	--	--	.09	--	--
Total	2.96	3.44		6.66	6.85		5.72	4.74	
Departure from normal	-.93	-.74		3.31	3.14		3.01	1.81	

Table 8.--Rainfall, October 1984 to March 1986--Continued

Day	Anahuac	Port Arthur	Sea Rim	Anahuac	Port Arthur	Sea Rim	Anahuac	Port Arthur	Sea Rim
	April 1985			May 1985			June 1985		
1	--	0.04	--	--	--	--	--	--	--
2	--	--	--	--	--	--	--	--	--
3	--	--	--	--	--	--	--	--	--
4	--	--	--	--	--	--	--	--	--
5	--	T	--	--	--	--	--	--	--
6	--	--	--	--	--	--	--	--	--
7	--	--	--	--	--	--	--	T	--
8	--	--	--	--	2.74	0.01	--	--	--
9	--	--	--	0.25	--	.02	--	--	--
10	--	T	--	--	T	--	--	--	--
11	0.06	.18	0.20	--	--	--	0.39	0.73	--
12	T	--	--	--	.16	--	.21	T	0.38
13	.04	--	--	.02	.05	.44	--	--	.01
14	.01	--	--	--	T	.02	--	--	--
15	--	--	--	--	--	--	--	--	--
16	--	--	--	--	--	--	--	--	--
17	--	--	--	--	--	--	--	--	.23
18	--	--	--	--	T	--	1.91	1.61	2.40
19	--	--	--	2.62	--	--	2.90	.46	.50
20	--	.70	.57	--	--	--	.37	.30	.10
21	.76	--	.12	1.51	1.03	.43	1.71	.07	.43
22	--	--	.05	.15	--	--	.45	--	--
23	--	--	--	--	1.17	--	--	--	.17
24	--	--	.01	.11	--	--	--	--	--
25	--	.25	--	--	--	--	--	--	--
26	.32	1.24	.70	--	--	--	--	--	.01
27	.20	.06	.05	--	--	--	--	--	.02
28	.10	--	.02	--	--	--	--	--	--
29	--	--	--	--	--	--	--	--	--
30	--	--	.01	--	--	--	--	--	--
31	--	--	--	--	--	--	--	--	--
Total	1.49	1.13		4.66	5.15		7.94	3.17	
Departure from normal	-2.68	-2.92		.38	.65		3.77	-.79	

Table 8.--Rainfall, October 1984 to March 1986--Continued

Day	Anahuac	Port Arthur	Sea Rim	Anahuac	Port Arthur	Sea Rim	Anahuac	Port Arthur	Sea Rim
	July 1985			August 1985			September 1985		
1	--	--	--	--	--	--	--	--	--
2	--	--	--	--	1.07	--	--	--	--
3	--	0.84	0.01	--	--	0.83	--	2.35	--
4	2.50	.26	.91	--	44	--	.04	.58	.17
5	.49	.01	.27	--	--	--	1.65	.85	.18
6	--	--	--	--	--	--	1.10	.60	.40
7	--	--	--	--	.35	--	.01	--	--
8	--	--	--	--	.05	.24	--	.02	--
9	.02	T	--	--	--	--	1.08	.06	.05
10	--	--	--	--	--	--	.73	.87	.29
11	--	.65	.20	--	--	--	.56	--	.19
12	--	--	--	--	1.30	.16	.46	.20	--
13	--	T	.01	--	.14	--	--	.07	--
14	--	T	--	--	.12	.47	--	--	1.60
15	.43	.07	--	--	.07	.16	--	--	.01
16	--	1.02	--	--	--	--	--	--	--
17	.20	T	.48	--	--	--	--	--	.01
18	1.46	T	.12	--	.95	--	--	--	.05
19	.05	2.25	.17	--	--	--	--	--	--
20	.60	.02	.06	--	5.02	--	--	--	--
21	.06	.07	--	--	--	--	--	--	.05
22	--	--	--	--	.05	.12	--	--	--
23	--	--	--	--	1.35	--	.11	--	--
24	--	.07	--	--	--	--	.18	--	--
25	--	--	--	--	.20	--	1.30	.24	--
26	--	--	.02	--	--	.02	--	.16	.05
27	--	.20	--	--	.03	.11	--	--	--
28	.01	1.28	--	--	.09	.04	--	--	--
29	--	.24	--	--	--	.12	.02	1.00	--
30	1.42	--	--	--	--	.04	.85	.28	1.36
31	--	--	1/	--	--	--	--	--	--
Total	5.83	6.91		MISSING	11.25		7.98	7.39	
Departure from normal	1.11	1.54			5.80		2.16	1.26	

Table 8.--Rainfall, October 1984 to March 1986--Continued

Day	Anahuac	Port Arthur	Sea Rim	Anahuac	Port Arthur	Sea Rim	Anahuac	Port Arthur	Sea Rim
	October 1985			November 1985			December 1985		
1	T	--	--	--	0.64	--	0.10	0.15	0.32
2	--	--	--	0.56	.07	0.75	--	--	--
3	--	--	--	.04	--	--	T	--	--
4	--	--	--	--	--	--	--	T	.03
5	--	--	--	--	--	--	.04	.04	--
6	--	--	--	--	--	--	--	--	--
7	--	--	--	--	--	--	--	--	--
8	--	--	--	--	--	--	--	--	--
9	--	--	--	--	--	--	--	--	--
10	--	--	--	--	--	--	--	--	--
11	--	--	--	--	.19	--	.08	1.26	.61
12	--	--	--	2.13	--	--	.73	.60	1.00
13	--	--	--	--	--	--	.13	T	.05
14	--	--	--	--	--	--	--	--	--
15	1.02	0.76	0.53	--	.96	--	--	--	--
16	--	.30	--	--	.11	.07	--	--	--
17	.05	--	.05	.32	T	--	--	T	--
18	--	.04	.02	--	--	--	.01	--	--
19	.74	.16	.35	--	T	--	--	--	--
20	.52	.14	1.45	--	--	--	--	--	--
21	--	.33	--	--	--	--	--	--	--
22	2.17	T	.02	--	--	--	--	--	--
23	.13	--	.45	--	--	--	--	--	.02
24	--	.06	1.10	--	.15	--	--	--	--
25	--	.01	.01	.81	T	--	--	--	--
26	--	.06	.01	T	--	--	--	--	--
27	.18	.25	1.70	--	1.71	1.80	.50	.67	1.22
28	1.15	4.07	3.98	1.14	.02	--	.02	--	--
29	.63	1.80	.50	--	T	--	--	--	--
30	.20	2.36	.18	--	T	--	--	.01	--
31	.14	1.12	.05	--	--	--	--	.01	.36
Total	6.93	11.60		5.00	3.85		1.61	2.74	
Departure from normal	3.43	7.97		.93	-.48		-2.62	-1.81	

Table 8.--Rainfall, October 1984 to March 1986--Continued

Day	Anahuac	Port Arthur	Sea Rim	Anahuac	Port Arthur	Sea Rim	Anahuac	Port Arthur	Sea Rim
	January 1986			February 1986			March 1986		
1	--	T	--	--	--	--	--	--	--
2	--	--	--	--	--	--	--	--	--
3	--	--	--	--	0.02	--	--	1.20	0.62
4	--	T	0.10	0.95	.87	0.68	0.51	T	--
5	--	--	--	.03	.02	.40	--	--	--
6	--	T	--	--	--	--	--	--	--
7	0.08	0.05	.08	--	--	--	--	--	--
8	.04	.01	--	--	--	--	--	--	--
9	.10	.60	.33	.80	.03	.06	--	--	--
10	.59	.18	.46	.23	T	.06	--	--	--
11	--	--	--	.05	--	--	--	--	--
12	--	--	--	--	--	--	.13	.99	1.10
13	--	--	--	--	--	--	.05	.26	--
14	--	--	--	--	--	.08	.03	--	.05
15	--	--	--	--	--	--	--	--	--
16	--	--	--	--	--	--	--	--	--
17	.20	.30	.20	--	T	--	--	--	--
18	--	--	--	--	T	--	--	.07	.02
19	--	--	--	--	T	--	--	--	--
20	--	--	--	--	T	--	--	--	--
21	--	--	--	--	T	--	--	--	--
22	--	.02	--	--	.05	--	--	--	--
23	.04	--	--	--	--	--	--	--	--
24	--	--	--	--	--	--	--	--	--
25	.14	.65	.20	--	--	--	--	--	--
26	--	--	--	--	--	--	--	T	--
27	--	--	--	--	--	--	--	--	--
28	--	--	--	--	--	--	--	--	--
29	--	--	--	--	--	--	--	--	--
30	--	--	--	--	--	--	--	--	--
31	--	--	--	--	--	--	--	--	--
Total	1.19	1.81		2.06	1.11		.72	2.52	
Departure from normal	-2.70	-2.37		-1.29	-2.60		-1.99	-.41	

Table 8.--Rainfall, October 1984 to March 1986--Continued

Day	Anahuac	Port Arthur	Sea Rim	Anahuac	Port Arthur	Sea Rim	Anahuac	Port Arthur	Sea Rim

1/ - Textural mention of rain. Amount not available.
2/ - There are two rain gages at site, one non-recording and one on telemetry. Nonrecording data used when available, otherwise telemetered data used.

Note: Normal rainfall is based on the averaging period 1951-80.

Table 9.--Pan evaporation at Beaumont Research Center, October 1984 to March 1986

Month	Wind	Evaporation
	1984	
October	2,186	6.08
November	2,046	4.26
December	2,919	3.30
	1985	
January	2,488	3.03
February	2,749	Missing
March	2,784	4.50
April	2,557	7.03
May	2,045	8.51
June	2,133	9.07
July	1,811	8.51
August	1,641	8.53
September	1,898	7.34
October	2,846	4.90
November	2,322	3.61
December	1,982	Missing
	1986	
January	2,170	3.37
February	2,779	3.87
March	2,245	6.22

Note: Wind is measured in miles; evaporation is in inches.

Source of data: National Oceanic and Atmospheric Administration; Climatological Data, Texas.

Table 10.--Daily mean air temperature at Sea Rim State Park, October 1984 to March 1986

[in degrees Celsius]

	1984			1985											1986		
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1	---	25.5	14.5	14.0	2.5	12.5	15.0	25.0	25.0	27.5	28.0	29.0	16.5	15.5	17.5	10.5	16.0	7.5
2	---	20.5	18.0	6.0	3.0	16.0	16.5	21.5	26.5	28.0	28.0	27.0	18.0	---	5.5	10.5	16.5	15.5
3	20.5	15.0	14.0	3.0	1.5	17.0	19.5	23.5	26.5	27.0	25.0	29.5	18.5	---	6.0	12.5	16.5	16.5
4	22.0	19.5	8.5	4.0	2.0	17.0	20.0	21.0	26.0	22.5	28.0	29.0	23.5	---	14.0	16.0	17.0	15.5
5	24.0	19.0	6.5	7.5	5.0	15.0	21.0	22.5	27.0	24.5	27.0	27.0	19.5	---	13.5	8.5	16.0	15.5
6	25.0	16.5	8.0	7.0	7.0	14.0	18.5	23.5	27.0	24.5	28.5	28.5	16.5	---	10.0	8.5	14.0	16.5
7	24.5	---	6.0	11.5	5.5	16.5	19.5	24.0	26.5	25.5	28.0	28.5	21.5	21.0	13.0	11.5	12.5	16.0
8	24.0	23.5	11.5	10.0	4.0	17.0	17.0	25.0	28.0	26.0	26.0	28.5	23.0	16.0	17.5	5.5	14.5	16.5
9	23.5	23.5	15.5	14.5	9.0	---	15.0	22.5	25.5	27.5	28.5	27.0	23.0	21.0	18.0	3.5	10.5	17.5
10	24.0	22.5	16.0	16.0	---	---	18.5	25.0	27.5	26.5	28.0	23.0	23.0	20.0	18.0	7.0	5.0	18.5
11	25.0	---	16.0	7.0	---	19.5	18.5	25.0	26.5	25.5	27.0	25.0	23.5	20.0	14.5	8.0	3.0	17.5
12	25.0	---	17.0	2.5	---	19.0	17.5	25.0	25.0	27.0	28.0	27.0	23.5	20.5	7.0	9.5	3.5	20.0
13	25.0	16.5	18.0	.5	---	20.0	20.0	25.5	24.5	26.5	27.5	27.0	25.0	21.0	4.0	10.0	6.5	23.0
14	22.0	20.0	18.0	3.5	---	18.5	22.0	25.5	23.0	28.0	28.0	25.5	25.0	21.0	3.0	10.5	16.0	17.0
15	25.0	21.5	17.5	6.0	---	13.5	21.5	25.5	25.5	28.0	25.0	23.0	24.0	22.0	8.0	13.5	10.5	17.5
16	26.0	---	18.0	12.0	---	14.0	21.5	24.0	27.0	27.0	27.0	23.0	23.0	19.5	8.0	13.5	15.5	18.5
17	23.0	---	17.5	9.5	---	15.5	21.0	24.0	28.0	24.5	27.0	26.0	24.0	22.5	9.5	14.5	16.0	19.5
18	25.5	---	17.5	10.0	---	15.5	21.5	20.0	25.0	26.5	29.0	27.0	25.5	22.0	10.5	14.0	16.0	20.0
19	25.5	---	17.0	11.0	---	17.5	22.0	---	22.5	26.0	28.5	26.5	25.5	22.5	7.5	13.0	16.0	16.5
20	26.0	---	18.0	6.0	13.5	19.0	22.0	25.5	23.0	25.5	28.5	26.5	23.5	18.0	10.0	14.0	16.0	14.5
21	26.0	---	19.0	3.5	14.5	16.0	22.5	24.5	25.0	27.5	26.0	25.5	23.0	13.5	8.0	15.5	18.0	10.0
22	23.5	---	19.0	2.0	15.5	14.5	23.0	25.0	27.5	28.0	29.5	26.0	24.0	16.0	13.5	16.5	13.5	9.5
23	---	---	15.5	6.0	16.0	18.0	23.0	24.5	27.0	28.0	29.0	27.0	22.5	20.0	15.0	10.5	11.5	13.5
24	---	---	19.0	7.5	13.5	18.5	22.0	24.5	27.5	28.5	29.0	24.0	25.0	20.5	12.0	13.5	16.0	15.5
25	25.0	---	16.5	10.0	12.0	19.0	22.0	22.5	27.0	28.5	30.0	26.5	22.5	22.0	4.0	16.5	16.5	17.0
26	25.0	---	13.5	7.5	13.5	---	22.0	26.5	28.0	28.5	26.5	23.0	21.5	22.5	4.5	10.0	17.0	18.0
27	25.0	---	18.0	12.0	15.0	---	24.0	23.5	28.0	27.0	26.5	20.0	18.5	21.0	15.5	5.0	18.5	18.0
28	25.0	---	19.0	8.5	12.5	---	24.0	24.5	26.5	27.0	27.0	23.5	17.5	14.5	11.0	11.0	12.0	18.0
29	---	---	19.5	7.5	---	---	24.0	26.0	25.0	27.5	26.5	25.5	17.0	11.0	12.0	15.5	---	18.0
30	---	---	20.0	13.0	---	---	22.5	25.5	25.5	28.5	27.5	15.5	16.0	17.0	12.0	14.5	---	20.0
31	25.5	---	20.0	11.5	---	16.5	---	25.5	---	28.5	27.0	---	15.5	---	17.5	14.0	---	20.0
Mean	24.5	20.5	16.0	8.0	9.0	16.5	20.5	24.0	26.0	27.0	27.5	25.5	21.5	19.0	11.0	11.5	13.5	16.5

From data transmitted by the Sabine Coastal Marine Automated Network Data Buoy located at Sea Rim State Park and operated by National Oceanic and Atmospheric Administration.