FEEDER CANAL BASIN
WATER QUALITY
GRAB SAMPLING SURVEY

Prepared by

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Regulation Department
South Florida Water Management District

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1.0 PURPOSE AND SCOPE

The lower western basins tributary to the Everglades are made up of the Feeder Canal Basin and L-28 Interceptor Basin (located in Hendry and Collier Counties) (**Figures 1 and 2**). The Seminole Nation's Big Cypress Reservation extends into both the Feeder Canal Basin and the L-28 Interceptor Basin (L-28I). The water rights compact (1987) between the South Florida Water Management District (SFWMD) and the Seminole Tribe of Florida (Seminole) provided for water quality, water supply and flood control plans for the Big Cypress and Brighton Seminole Indian Reservations. A subsequent agreement dated January 17, 1996 between the SFWMD and the Seminoles implements Sections V.C. and VI.D. of the Water Rights Compact. One element of this recent agreement requires the District to identify sources of potential water quality degradation in the Feeder Canal and L-28I Basins by implementing an inner-basin grab sampling water quality survey.

Upon an aerial and field inspection review of the Feeder Canal and L-28I Basins, it was determined that there are no physical drainage connections to the SFWMD canal system from non-Seminole or Miccosukee Nation lands within the L-28I Basin. Further, the only SFWMD canal system which provides positive drainage from the L-28I Basin is the L-28I canal. The L-28I is bordered (both sides) by a levee which does not allow overland positive drainage from the L-28I Basin into the L-28I Canal. In addition, the SFWMD was not able to identify any non-Seminole land parcels which were being actively managed. Thus, the L-28I Basin was excluded from any further inclusion in this study.

One element of the January 17, 1996 agreement described above, committed the SFWMD to conduct a study to determine if and identify those lands or land uses within the basins which have a substantial likelihood of exceeding the State Water Quality nutrient standard. The scope of this study was to conduct such a water quality monitoring survey of various sub-basins within the greater Feeder Canal Basin. The survey was designed to include the following:

- Identify the major sub-basins,
- Identify secondary surface water drainage connections,
- Conduct a minimum of one year of water quality monitoring (by grab sample) at the secondary surface water drainage connections, and
- Evaluate the grab sample data to determine if any land areas within the basin have a substantial likelihood of violating the State water quality standards for phosphorus.

This report is the conclusion of that study.

Feeder Canal Basin
Location Map

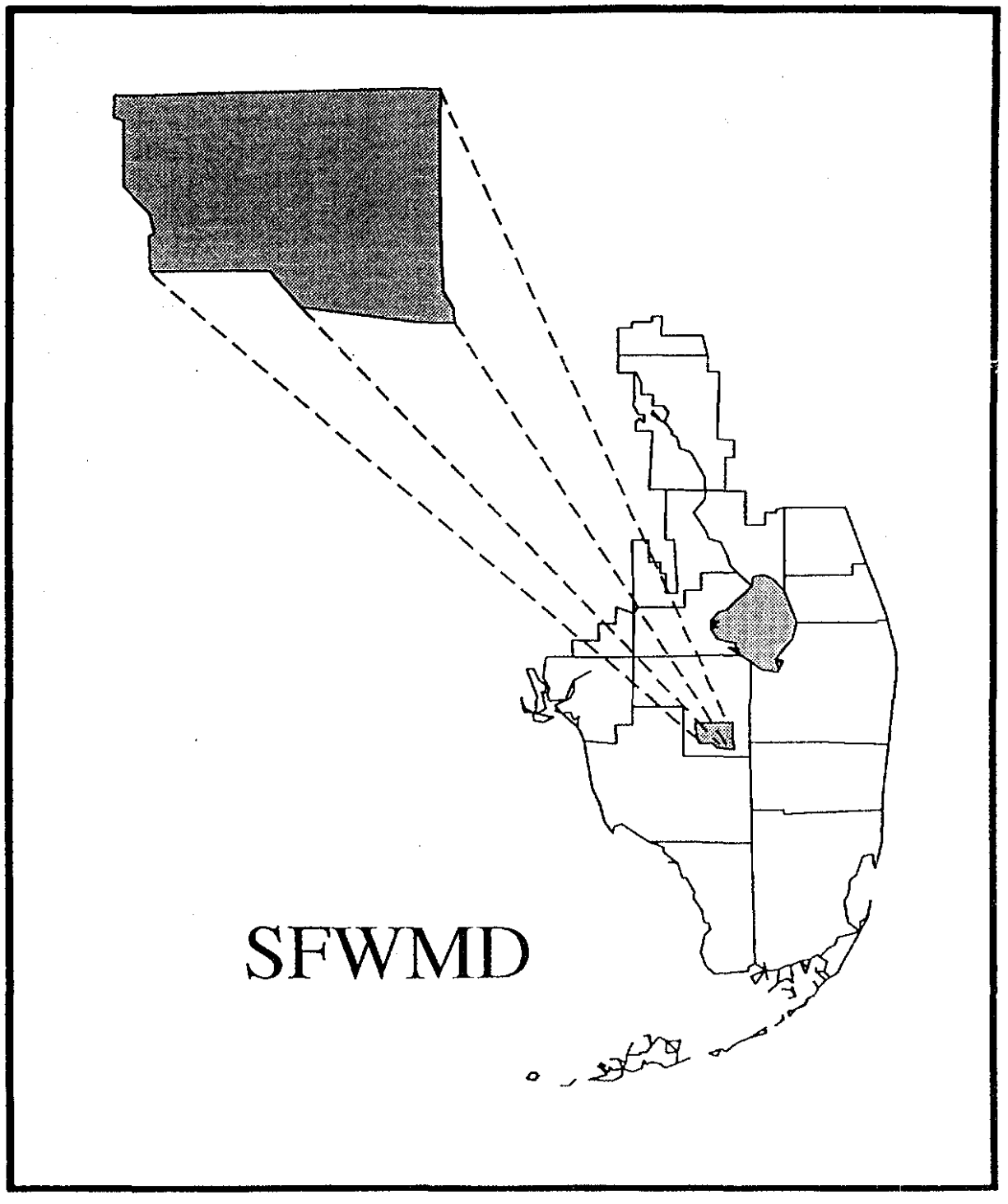

Figure 1. General Location of the Lower Western Basins

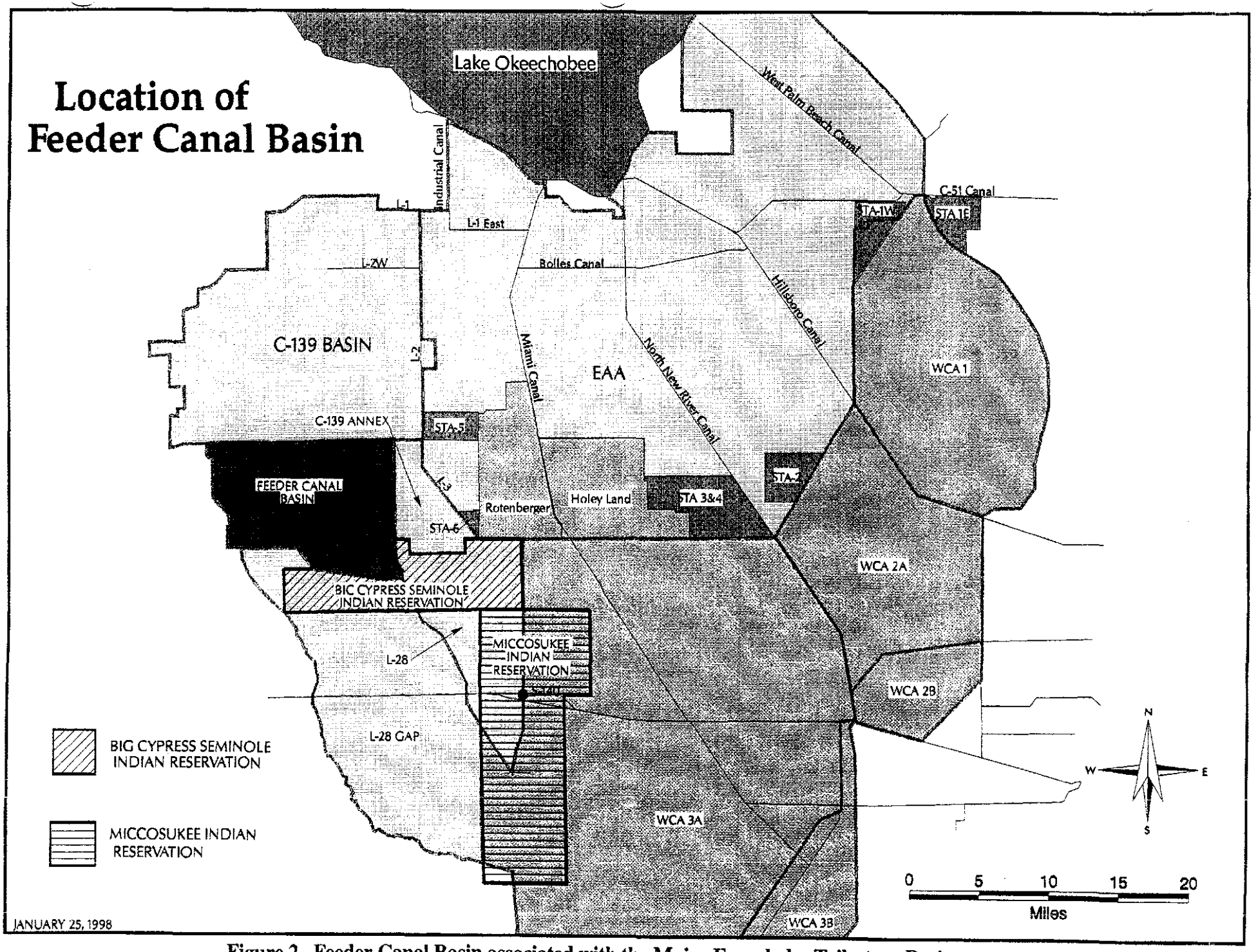

Figure 2. Feeder Canal Basin associated with the Major Everglades Tributary Basins.

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2.0 FEEDER CANAL BASIN AND SUBBASINS

2.1 Basin Overview

General Hydrology

The greater Feeder Canal drainage basin area is approximately 72,200 acres in size. The basin consists of three primary canals, North Feeder, West Feeder, and the L-28 Interceptor (L-28I) canals. The major hydrologic features described above are presented in **Figure 3**.

North Feeder Canal

The North Feeder Canal defines the eastern basin boundary. The North Feeder Canal flows north to south and receives water from a township (22,830 acres) located directly to the headwater's north and west. The canal headwaters consist of two water control structures. The first structure is the SFWMD G-108 gate. G-108 is a series of six 60 inch corrugated metal pipes which have moveable gates on their upstream side. The G-108 structure is located at the north terminus of the North Feeder Canal. For purposes of this study and to provide consistency with locating other discharge points, the G-108 was identified as NF05.5TN. [NF=North Feeder Canal, 05.5=miles from canal south terminus, TN=tributary from the north]. The second headwater structure, located on the North Feeder Canal 1.5 miles south of G-108, is SFWMD Project Culvert 17A. Culvert 17A consists of two 72 inch diameter corrugated metal pipes with a combination of a riser with flashboards and moveable gate located on their upstream side. Culvert 17A (identified as NF04.0TW on **Figure 3**) discharges from the west into the North Feeder Canal. The North Feeder Canal continues south for an additional four miles and merges with the West Feeder Canal, forming the L-28I Canal (approximately one-third mile upstream of the SFWMD S-190 water control structure).

West Feeder Canal

The West Feeder Canal defines the southern basin boundary. The West Feeder Canal flows from west to east and receives water from the northwestern portion (31,490 acres) of the basin. The headwater structure is a SFWMD 280 foot wide sheet pile weir identified as WWEIR on **Figure 3**. The West Feeder Canal transports water for ≈6¾ miles bisecting the Seminole Big Cypress Reservation and terminates when it merges with the North Feeder Canal forming the L-28I Canal.

L-28 Interceptor Canal

As described above, the headwater of the L-28I Canal is formed by the confluence of the North Feeder and West Feeder Canals. Approximately one third of a mile downstream of this connection, flow is controlled by SFWMD water control structure S-190. The S-190 structure is a reinforced concrete, gated spillway with discharge controlled by two cable operated vertical lift gates. The L-28I Canal continues in a south/southeast direction for ≈17 miles before eventually discharging to Water Conservation Area No. 3A.

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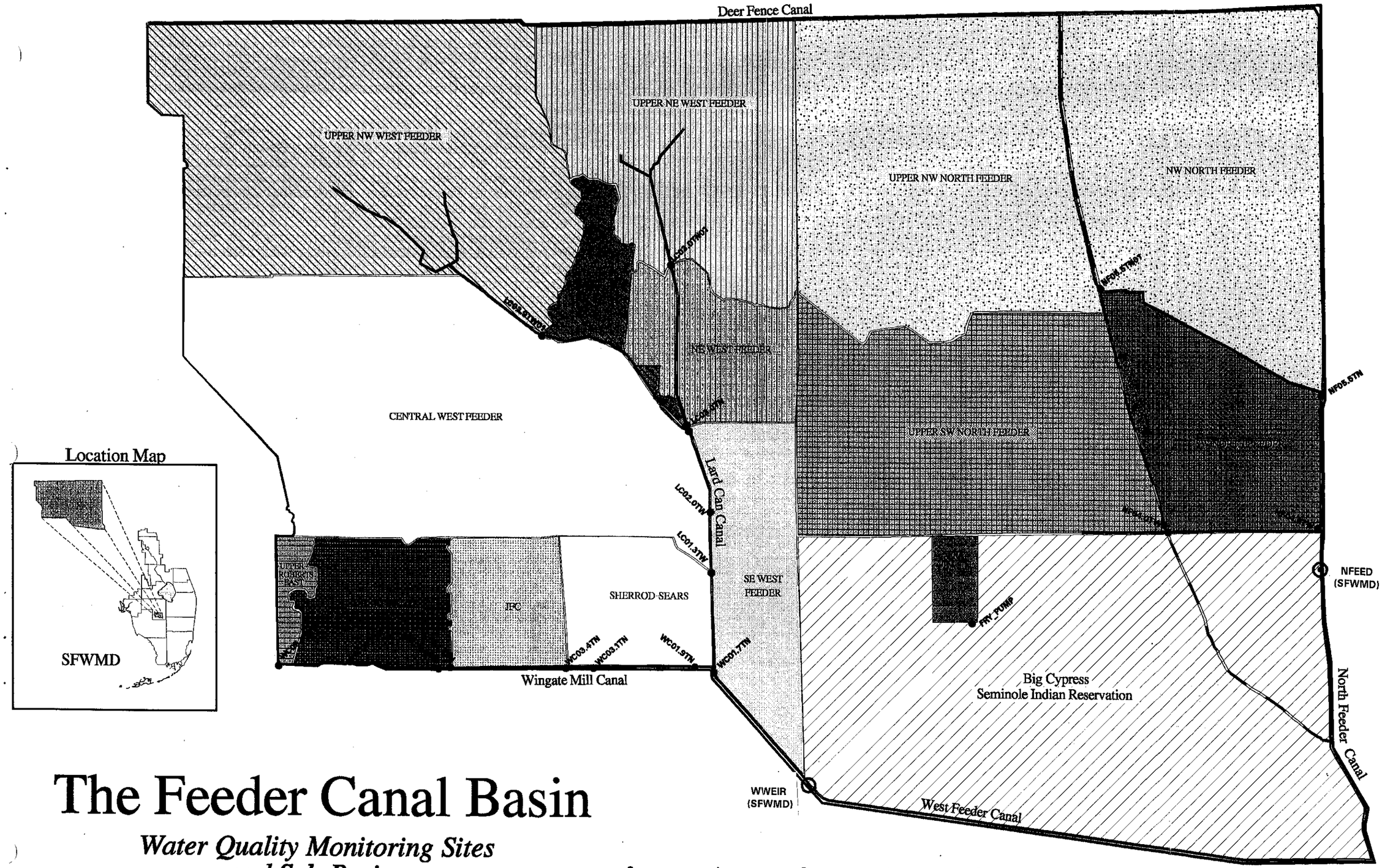
Figure 3



Legend

- SFWMD Monitoring Sites (Grab Samples)
- SFWMD Automatic Sampler Monitoring Sites
- Major Canals
- Feeder Canal Basin Boundary
- Main Road

The Feeder Canal Basin

Water Quality Monitoring Sites and Sub-Basins

This map is in the State Plane Coordinate System using the 1927 North American Datum.
The map was created on the 15th day of May, 1997, by the SFWMD's Regulation Department mapping group.

Soils

Soils in the Feeder Canal Basin are diverse and originate from coastal marine sediments. The area is low lying and nearly level in slope, poorly drained, with shallow soil depths, restricted by the limestone bedrock. In many areas the limestone can be observed protruding from the surface. These soils tend to stay saturated or wet for long periods of time throughout the year. The Soil Conservation (SCS) defines the subject area as South Florida Flatwoods with the main characteristic of the region being soil wetness. The water table is at or above the soil surface in some of the soils for part of the year depending on the amount of rainfall. Surface water management systems have improved drainage in portions of the basin. The region has five prominent soil associations with a total of 13. Landforms in the Feeder Canal Basin are pine forest, cypress stands, sloughs, marshes, and everglades habitat.

Land Uses

Agriculture is the pre-dominant land use throughout the basin with beef cattle pastures accounting for the majority of use. Pastures in the basin range from undeveloped natural areas to improved pastures. However, land use has been changing in recent years from pasture to citrus groves. Other land uses include row crops (vegetables), sugar cane farming, and some residential development.

Surface Water Management Permits

Several properties within the Feeder Canal Basin have obtained Surface Water Management Permits from the SFWMD. A synopsis of these permits has been compiled and presented under separate cover. An overlay of the Surface Water Management permits on the hydrologic sub-basins has been performed and is presented in **Appendix B**.

2.2 Sub-Basin Identification

The goal of this study was to provide insights to water quality (phosphorus) characteristics of the various lands within the Feeder Canal Basin which are upstream of the Seminole Big Cypress Reservation. An extensive aerial and ground survey was conducted to locate all the surface water hydraulic connections to the SFWMD primary drainage canal system (North Feeder, West Feeder, and L-28I Canals). During the study development, the decision was made at public meetings with the Seminole that a project scope limited to dividing the Feeder Canal Basin into 2nd, 3rd, and 4th order sub-basins would provide adequate information to identify any potential high phosphorus discharge areas. The sub-basins extracted from the greater Feeder Canal Basin, spatially identified on **Figure 3**, are outlined as follows:

1st Order

Feeder Canal Basin

↘

2nd Order

North Feeder Sub-Basin
Fry Ranch Sub-Basin
Seminole Big Cypress Reservation Sub-Basin
West Feeder Sub-Basin

↘

3rd Order – North Feeder Sub-Basins		*4th Order North Feeder Sub-Basins*
NW North Feeder Sub-Basin	→	Upper NW North Feeder Sub-Basin
SW North Feeder Sub-Basin	→	Upper SW North Feeder Sub-Basin

↘

3rd Order – West Feeder Sub-Basins		*4th Order – West Feeder Sub-Basins*
SE West Feeder Sub-Basin		
Sherrod-Sears Sub-Basin		
JFC Sub-Basin		
Roberts East Sub-Basin	→	Upper Roberts East Sub-Basin
Central West Feeder Sub-Basin		
NW West Feeder Sub-Basin	→	Upper NW West Feeder Sub-Basin
NE West Feeder Sub-Basin	→	Upper NE West Feeder Sub-Basin

North Feeder Sub-Basin

The North Feeder Sub-Basin is 22,830 total acres in size. The entire basin is under the ownership and operation of a single family enterprise. Land uses within the sub-basin consist of cattle on unimproved and improved pasture, sugar cane, vegetables, citrus, melons, and large tracts of undeveloped natural areas. Man-made hydrologic divides separate the North Feeder Sub-Basin (2nd Order) into two 3rd Order Sub-Basins and subsequently into two 4th Order Sub-Basins. (**Table 1**). As described above, the North Feeder Sub-Basin is the source of headwater for the North Feeder Canal. Water management structures NF04.0TW (SFWMD Project Culvert No. 17A) and NF05.5TN (SFWMD G-108 structure) are the only discharge points from the North Feeder Basin into the North Feeder Canal.

Table 1. North Feeder Sub-Basins and Hydrologic Connections

Basin & Site Names	Surface Water Connection	Property Owners	Land Uses
SW North Feeder Sub-Basin (9,030 acres) (3rd Order Sub-Basin)			
NF04.0TW	Two CMP (84" x 70')	McDaniel	Cattle, improved pasture, cane, vegetables, & melons
Upper SW North Feeder Sub-Basin (6,080 acres) (4th Order Sub-Basin)			
NF04.0TW01	Two CMP (48" h x 69')	McDaniel	Cattle, improved pasture, cane, vegetables, & melons
NW North Feeder Sub-Basin (13,800 acres) (3rd Order Sub-Basin)			
NF05.5TN	Six CMP with gated risers (84" x 85')	McDaniel	Cattle, improved pasture, cane, citrus vegetables, & melons
Upper NW North Feeder Sub-Basin (7,140 acres) (4th Order Sub-Basin)			
NF05.5TN01	Two concrete box culverts (7.2' h x 10' w x 48' l)	McDaniel	Cane, cattle, citrus, vegetables, & melons

Fry Ranch Sub-Basin

The Fry Ranch Sub-Basin is 330 total acres in size. Fry Ranch is operated by a single landowner. This 2nd Order sub-basin has no other upstream 3rd or 4th Order sub-basins. Land use within the basin consists of improved cattle pasture and undeveloped natural areas. A single 18 inch diameter electric pump identified on Figure 3 as Fry_Pump controls water management for Fry Ranch Sub-Basin. The discharge from Fry Ranch Sub-Basin sheetflows for approximately 2½ miles across the Seminole Big Cypress Reservation land parcels and ultimately to the West Feeder Canal.

Seminole Big Cypress Reservation Sub-Basin

The northwestern portion of the Seminole Big Cypress Reservation (approximately 17,500 acres) is located within the hydrologic boundaries of the Feeder Canal Basin, comprising ≈24% of the greater Feeder Canal Basin. However, since the objective of this study was to examine water quality from the upper reaches of the Feeder Canal Basin which discharge into SFWMD canals located within the Seminole reservation boundaries, the Seminole Big Cypress Reservation was not included.

West Feeder Sub-Basin

The 31,490 acre West Feeder Sub-Basin is the headwater tributary to the West Feeder Canal. All lands and drainage systems within the West Feeder Sub-Basin (upstream of WWEIR identified on **Figure 3**) are under private ownership. There are approximately 28 property owners within the West Feeder Sub-Basin. The primary surface water drainage system within the West Feeder Sub-Basin consists of two canals: the Lard Can Canal (LC) and Wingate-Mill Canal (WC). A total of seven 3rd Order Sub-basins and three 4th Order Sub-Basins were identified in the West Feeder Sub-Basin (2nd Order) (**Figure 3**). A total of fourteen surface water drainage points were identified within the West Feeder Sub-Basin. The discharge points are all gravity hydraulic connections, open ditches or culverts. The sub-basin and discharge point information is presented in **Table 2**.

Table 2. West Feeder Sub-Basins and Hydrologic Connections

Basin & Site Names	Surface Water Connection(s)	Property Owners	Land Uses
SE West Feeder Sub-Basin (2,260 acres) (3rd Order Sub-Basin)			
n/a	Sheet flow, no water control structures, no water quality monitoring	Sherrods, Roberts	Cattle, improved pasture, & undeveloped natural areas
West Feeder Sub-Basin (29,230 acres) (best representation of the 2nd Order Sub-Basin)			
WC01.7TN	Open channel	All	See table entries below
Sherrod-Sears Sub-Basin (1,530 acres) (3rd Order Sub-Basin)			
WC01.9TN	Single CMP (30" x 48" x 30')	Giddens, Sherrods	Cattle, improved pasture, & undeveloped natural areas
WC03.1TN	Single CMP (80" x 58" x 30')		
WC03.4TN	2 CMPs: (80" x 58" x 30') & (80" x 53" x 30')		
JFC Sub-Basin (1,210 acres) (3rd Order Sub-Basin)			
n/a	Sheet flow, no water control structures, no water quality monitoring	Floyd	Cattle, improved pasture, & undeveloped natural areas
Roberts East Sub-Basin (1,810 acres) (3rd Order Sub-Basin)			
WC04.7TN	Single CMP (42" x 25')	Wingate Mill Partnership	Cattle, improved pasture, & undeveloped natural areas
WC04.9TN	Single CMP (42" x 25')		
WC05.7TN	2 CMP (60" x 29')		
Upper Roberts East Sub-Basin (270 acres) (4th Order Sub-Basin)			
WC05.7TN01	Single CMP riser with flashboards (48" x 29')	Wingate Mill Partnership	Cattle, improved pasture, & undeveloped natural areas
Central West Feeder Sub-Basin (8,890 acres) (3rd Order Sub-Basin)			
LC01.3TW	Single CMP (48" x 28')	Collier, Gopher Ridge Groves, Floyd, Roberts, Giddens	Cattle, improved pasture, & undeveloped natural areas
LC02.0TW	Single CMP (36" x 48" x 30')		
NW West Feeder Sub-Basin (9,210 acres) (3rd Order Sub-Basin)			
LC02.9TW	Single CMP with risers & boards (48" x 28')	Multiple Owners	Cattle, improved pasture, citrus, vegetables & undeveloped areas
Upper NW West Feeder Sub-Basin (8,390 acres) (4th Order Sub-Basin)			
LC02.9TW01	Single CMP (84" x 30')	Multiple Owners	Cattle, improved pasture, citrus, vegetables, & undeveloped areas
NE West Feeder Sub-Basin (6,580 acres) (3rd Order Sub-Basin)			
LC03.0TN	3 CMP with risers and boards (60" x 37')	O.R. Ranch, Pnt of Cypress Prtship, Roberts	Cattle, improved pasture, vegetables, & undeveloped natural areas
Upper NE West Feeder Sub-Basin (4,810 acres) (4th Order Sub-Basin)			
LC03.0TN01	2 CMP with risers and boards (60" x 40')	O.R. Ranch, Pnt of Cypress Prtship, Roberts	Cattle, improved pasture, native range, & vegetables

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3.0 WATER QUALITY MONITORING

3.1 Water Quality Data.

Water quality monitoring was conducted at the nineteen (19) sub-basin hydrologic discharge points identified in the previous section. Grab samples for total phosphorus were collected biweekly. Field measurements of water temperature, pH, conductivity, and dissolved oxygen were also collected during the bi-weekly sampling events. In addition, a visual observation of flow was documented at each station The synoptic survey was scheduled to continue for a twelve month period, but due to dry weather conditions and the identification of additional discharge points over time, the study period was extended an additional four months. **Figure 4** provides a time-line schematic for the period of record of the nineteen grab sampling stations. A total of 753 samples were collected from June 26, 1996 through October 23, 1997. Of the 753 total samples 521 were grab samples and 232 were Quality Assurance / Quality Control samples. The 521 grab samples consisted of 317 samples collected during flow, 201 samples collected during no flow conditions, and 3 samples taken during reverse flow. Everglades Regulation Division staff, under the protocols of an approved Quality Assurance Project Plan, collected the bi-weekly field samples. The SFWMD laboratory analyzed phosphorus samples. The data values generated during the survey were reviewed and transmitted to the Tribe in quarterly reports. A summary of total phosphorus concentrations, field measurements, and observations is provided in **Appendix A**.

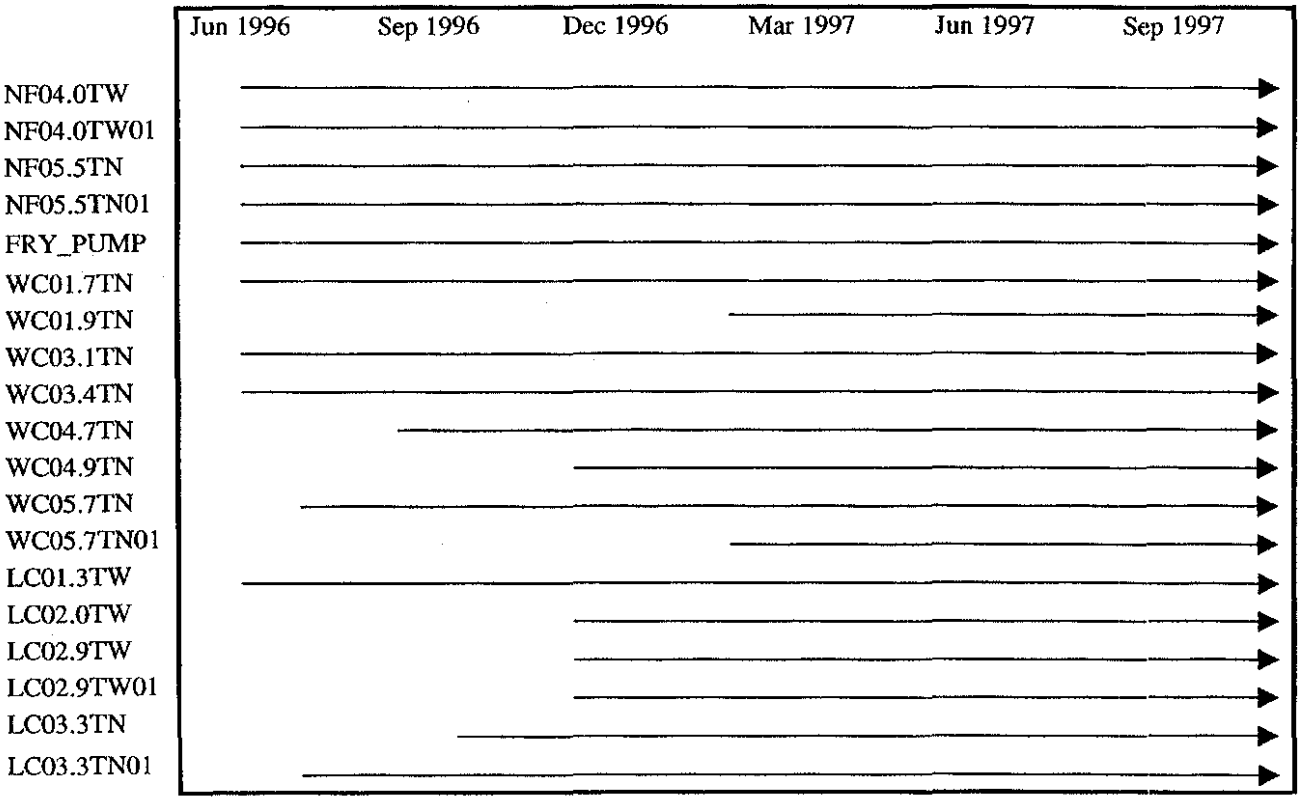
3.2 Data Evaluation

As described in this report's introduction, the purpose of this study was to evaluate total phosphorus concentrations, as collected by grab samples, to determine if any land areas within the greater Feeder Canal Basin have a substantial likelihood of violating the State water quality standards for phosphorus. Since there is currently no numerical standard for total phosphorus, and only for the purposes of this study, 50 ppb was selected as the threshold phosphorus level because the Seminole's had used that level in a recent landowner agreement with the owner of the North Feeder Sub-Basin.

An examination of three methods was conducted to determine the most appropriate procedure to calculate average total phosphorus concentrations for the various sub-basins which would allow relative comparisons to each other. The methods examined were:

- Arithmetic means
- Flow-Considered means
- Rainfall-Weighted means

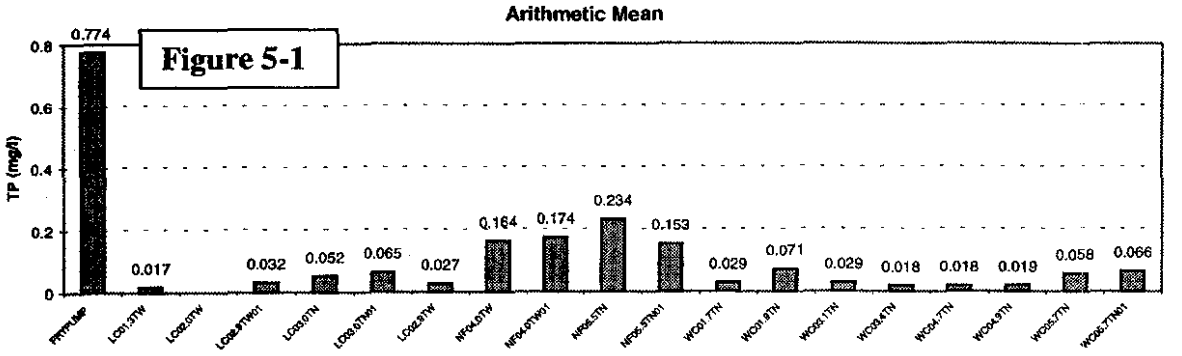
Figure 4. Time-Line Period of Record for Grab Sampling Sites.

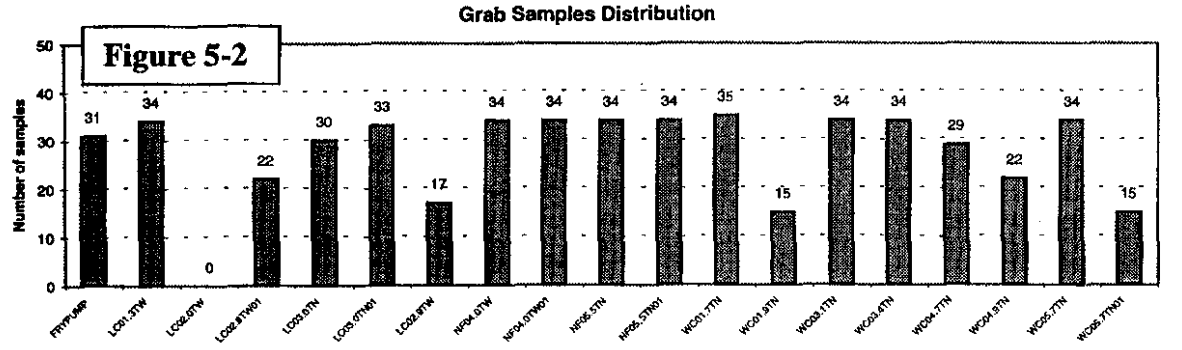


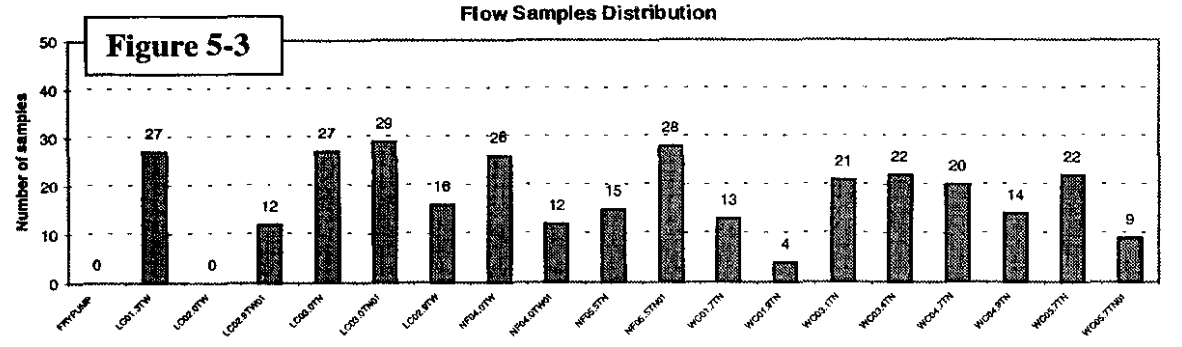
Arithmetic Mean

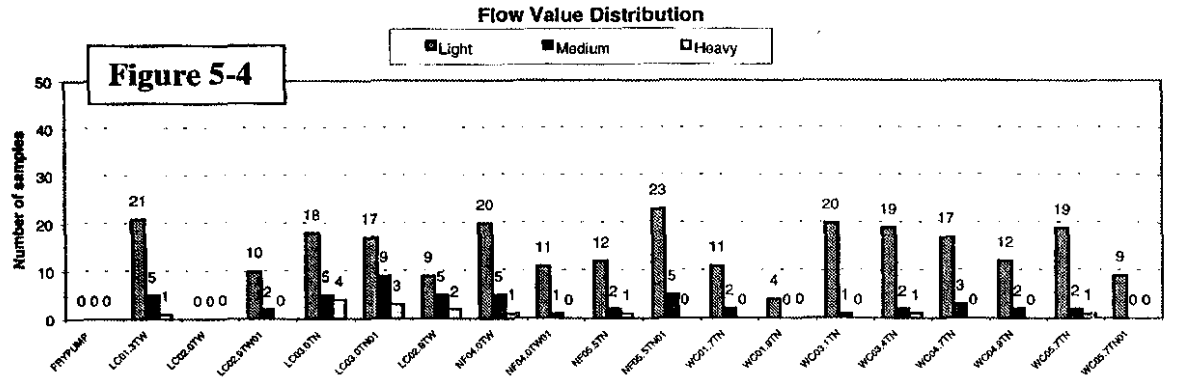
The arithmetic mean concentration of a site is simply the average of the monthly means which are the averages of bi-weekly concentration measurements (**Figure 5-1**). However, the number and magnitude of measurements for each site varies significantly (**Figures 5-2, 5-3, 5-4**), thus the applicability for relative comparisons is questionable.

Figure 5. Arithmetic phosphorus mean values and summary information.









Flow-Considered Mean

Visual flow observations were made at the time of each grab sample collection. These observations were documented in subjective categories of (-1) reverse flow, (0) no flow, (1) slight flow, (2) medium flow, and (3) heavy flow. A "bi-weekly load" was calculated for each station using these flow observation values. The flow-considered mean concentration of a site is the total of "bi-weekly loads" divided by the total of "bi-weekly flows" (**Figure 6-1**). This method reflects both TP concentration levels and potential magnitude of contributions of phosphorus from individual basins. Since phosphorus concentrations and visual subjective flow observations were only collected at bi-weekly "snapshots", plus variation of the number of measurements for each site, the relative comparability of flow-considered means is questionable. Further, at two sites no flow was observed during the bi-weekly field trips over the eighteen month sampling effort. The flow-considered method calculates an average phosphorus concentration of zero for these two sites. One site in particular was a pump discharge location with higher phosphorus levels (≈1000 ppb) measured in the upstream source water. Since the goal of this study was to identify areas which may have a "substantial likelihood of violating the State water quality standards for phosphorus", this method was determined not to be appropriate.

Rainfall-Weighted Mean

A rainfall-weighted mean was calculated for each monitoring station on the assumption that the rainfall pattern of a site was linearly related to its flow pattern. In this method, daily rainfalls for a site were obtained from the distance-weighted means of nearby SFWMD rainfall monitoring stations (**Figure 7**). Daily concentrations were estimated from the bi-weekly samples by linear interpolation. The rainfall-weighted mean, *RWMC*, was calculated using the following equation,

$$RWMC = \frac{\sum (\text{Daily Concentration}) \times (\text{Daily Rainfall})}{\sum (\text{Daily Rainfall})}$$

where $\sum$ is summation sign. The results are shown in **Figure 6-2**.

For the current data set, it is recommended that the rainfall-weighted mean method be used to estimate the TP concentration levels for the Feeder Canal Basins.

Sub-Basin Total Phosphorus Concentrations

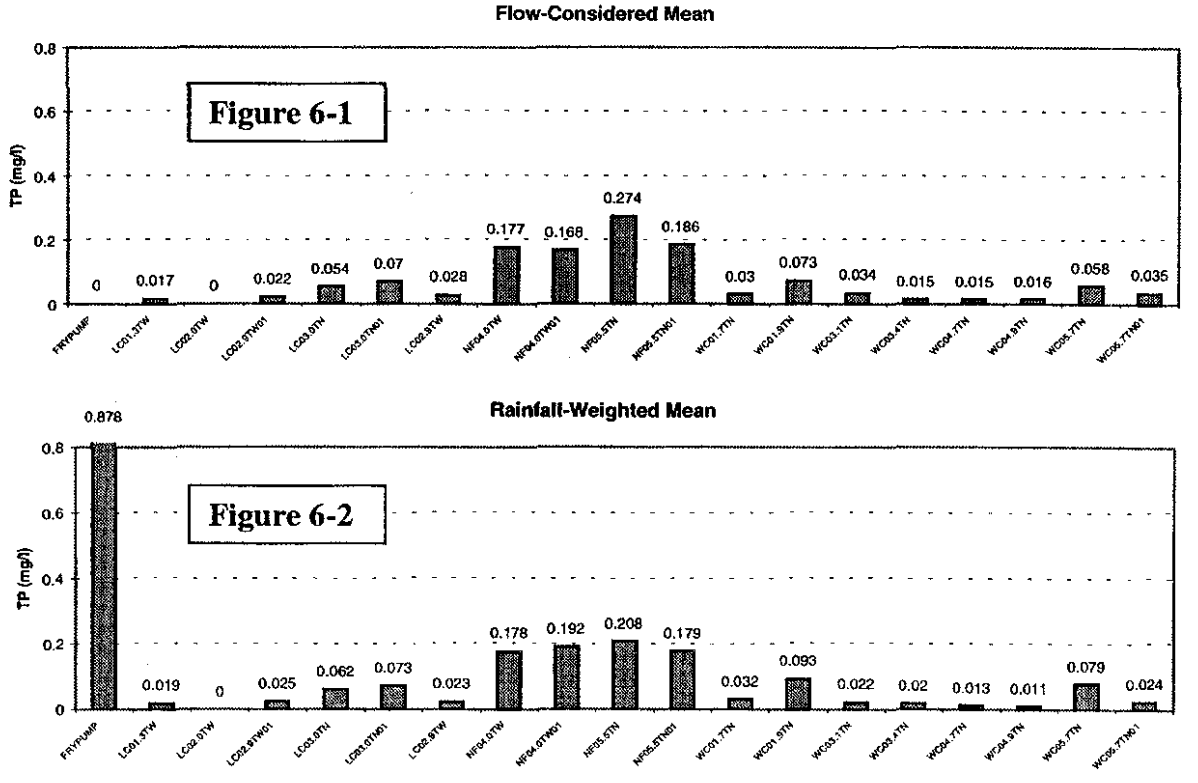
Some West Feeder sub-basins were identified to having multiple surface water drainage points. In these cases, the individual sampling station TP concentrations were averaged to estimate the mean phosphorus concentration levels of each hydrologic sub-basin. Using the rainfall-weighted mean method, the resultant total phosphorus concentration calculations are presented in **Figure 8** as a schematic of the sub-basins within Feeder Canal Basin.

The results indicate that the three 2nd Order Sub-Basins showed the following rainfall-weighted mean total phosphorus concentrations:

- North Feeder Sub-Basin 193 ppb
- Fry Ranch Sub-Basin 878 ppb
- West Feeder Sub-Basin 32 ppb

It should be noted that the North Feeder Sub-Basin value of 193 ppb corresponds remarkably well with the SFWMD monitored station directly downstream (NFEED). In the SFWMD December 31, 1997 report, a flow-weighted mean of 190 ppb was measured for the time period of June 1, 1996 to August 31, 1997.

Figure 6. Weighted Mean Phosphorus Calculations.



Lower Western Basins
Water Quality and Rainfall Monitoring Sites

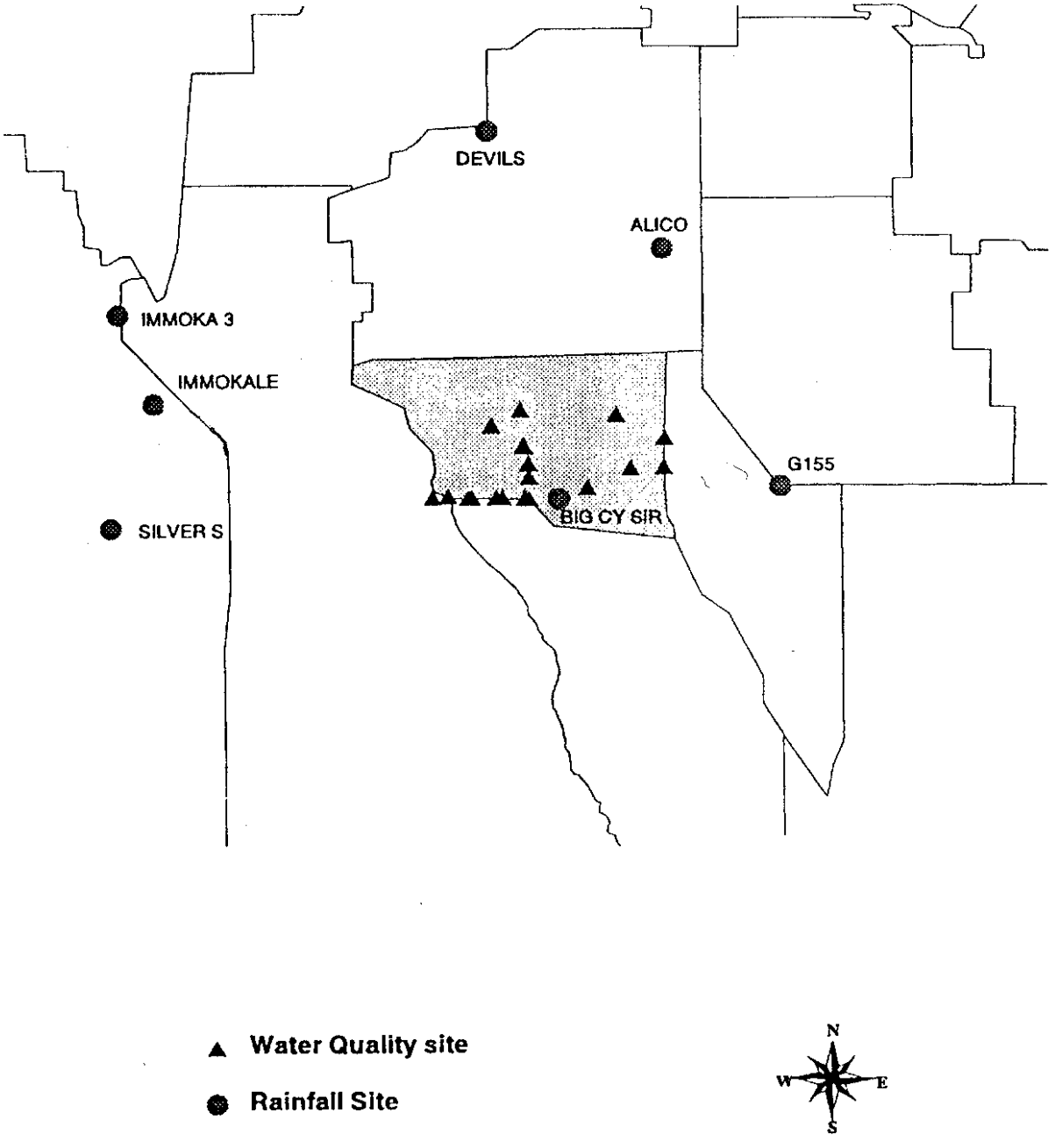


Figure 7. Spatial location of SFWMD Rain Gages Used for Weighting

The Feeder Canal Basin

Water Quality Monitoring Sites and Sub-Basins

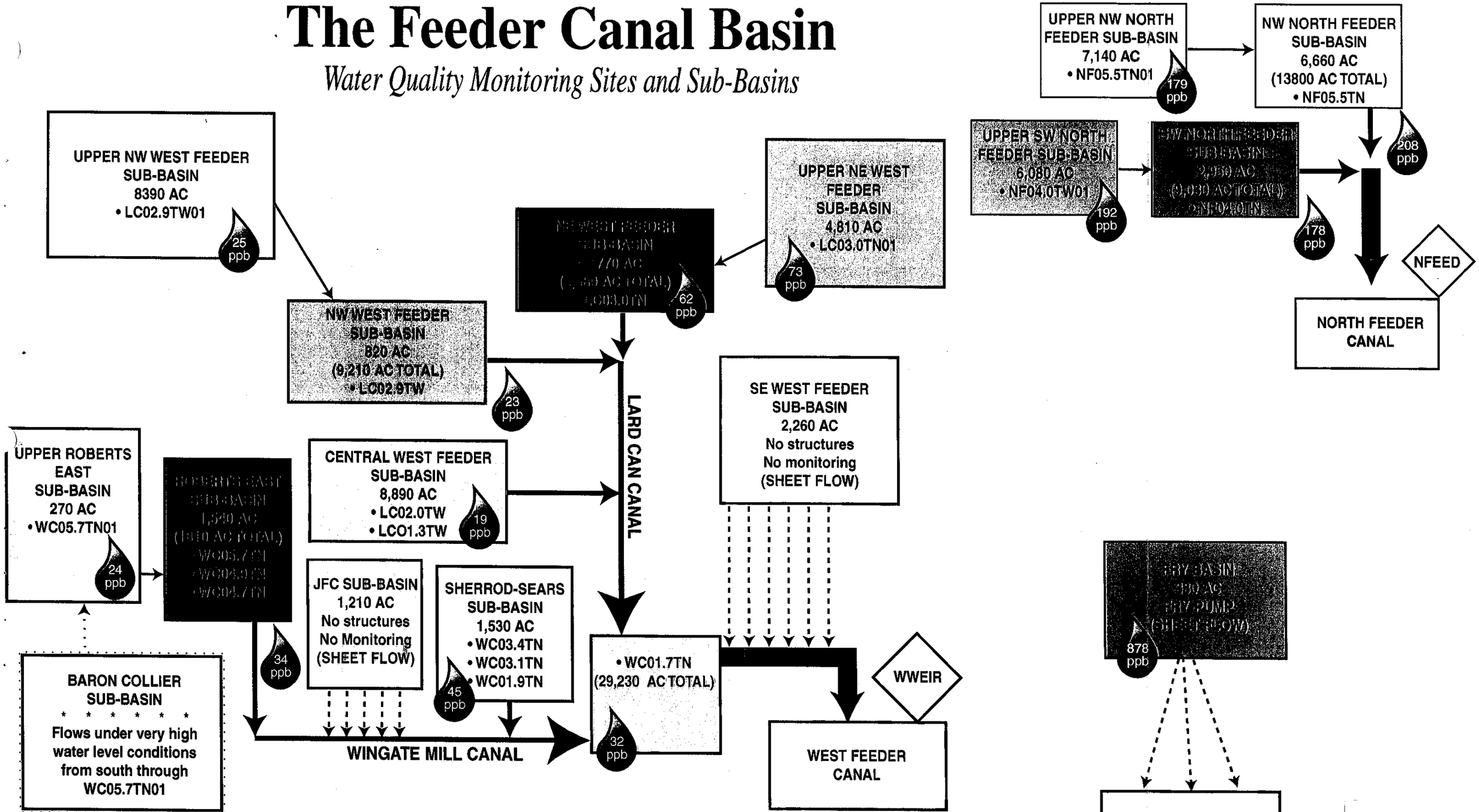


Figure 8

4.0 CONCLUSIONS

Based upon the data collected during the grab sampling survey and the calculation methods discussed above, the following conclusions are provided.

- Since there is currently no numerical standard for total phosphorus, and only for the purposes of this study, 50 ppb was selected as a threshold phosphorus level because the Seminole's had used that level in a recent landowner agreement with the owner of the North Feeder Sub-Basin.

North Feeder Sub-Basin

- Given the grab sampling survey phosphorus measurements collected between June 26, 1996 and October 31, 1997 (193 ppb), the North Feeder Sub-Basin appears to have a substantial likelihood of violating current narrative water quality standards in that the phosphorus levels were found to be above an interim phosphorus threshold of 50 ppb.
- The grab sampling survey data did not delineate any appreciable phosphorus concentration differences between the North Feeder Sub-Basins & upstream sub-basins (2^{nd}, 3^{rd} and 4^{th} Order sub-basins).
- The SFWMD's monitoring station NFEED will be the point of determination of effectiveness of future phosphorus reduction efforts from within the North Feeder Sub-Basin.

Fry Ranch Sub-Basin

- Given the grab sampling survey phosphorus measurements collected between June 26, 1996 and October 31, 1997 (878 ppb), the Fry Ranch Sub-Basin appears to have a substantial likelihood of violating current narrative water quality standards in that the phosphorus levels were found to be above an interim phosphorus threshold of 50 ppb.
- The Fry_Pump is the sole discharge point from the Fry Ranch Sub-Basin which could be the point of determination of effectiveness of future phosphorus reduction efforts from within the Fry Ranch Sub-Basin.
- Courses of action to reduce potential levels of phosphorus discharge may include, but are not limited to, landowner agreements, modification of Surface Water Management permit, or a basin-wide rule.

West Feeder Sub-Basin

- Given the grab sampling survey phosphorus measurements collected between June 26, 1996 and October 31, 1997 (32 ppb), the West Feeder Sub-Basin (as determined by monitoring at WC01.7TN) does not appear to have a substantial likelihood of violating the current narrative water quality standards.
- Although discharge from one 3rd and one 4th Order sub-basins within the West Feeder Sub-Basin were found to be above an interim phosphorus threshold of 50 ppb, the net effect from the entire West Feeder Sub-Basin was substantially lower; 32 ppb.
- Given the 32 ppb phosphorus level from the West Feeder Sub-Basin, no additional basin regulatory action is proposed at this time.
- The SFWMD's monitoring station WWEIR will be the point of determination of continued phosphorus levels being discharged from West Feeder Sub-Basin into the West Feeder Canal.

APPENDIX A

Feeder Canal Basin Grab Sampling Survey Data

FEEDER CANAL BASIN WATER QUALITY SURVEY MONITORING RESULTS

SAMPLE NUMBER	MONITORING STATION	DATE	TP (ppb)	TEMP (C)	pH	COND (mS/cm)	DO (mg/l)	OBSERVED FLOW	COMMENTS
LWSB-0009	NF04.0TW	26-Jun-96	348	30.5	7.1	375	0.6	MEDIUM	GATES CLOSED/SEEPAGE AROUND GATES/SAMPLING INITIATED
LWSB-0022	NF04.0TW	10-Jul-96	269	29.0	7.0	435	1.0	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0038	NF04.0TW	25-Jul-96	329	30.3	7.1	535	2.7	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0056	NF04.0TW	08-Aug-96	143	29.5	7.2	526	2.3	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0075	NF04.0TW	22-Aug-96	355	29.4	7.4	491	3.1	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0087	NF04.0TW	05-Sep-96	140	31.4	7.1	495	2.5	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0113	NF04.0TW	19-Sep-96	121	30.3	7.3	371	2.2	MEDIUM	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0126	NF04.0TW	03-Oct-96	310	27.7	7.1	543	3.0	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0146	NF04.0TW	17-Oct-96	135	25.9	7.0	454	1.7	HEAVY	GATES OPEN
LWSB-0165	NF04.0TW	31-Oct-96	126	25.9	6.9	513	2.2	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0185	NF04.0TW	14-Nov-96	118	--	--	--	--	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES/HYDRO LAB UNAVAILABLE
LWSB-0205	NF04.0TW	26-Nov-96	206	21.7	7.2	601	2.7	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0225	NF04.0TW	12-Dec-96	170	18.4	7.3	624	3.9	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0248	NF04.0TW	31-Dec-96	102	20.6	7.2	707	2.3	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0271	NF04.0TW	16-Jan-97	91	19.7	7.1	703	3.0	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0294	NF04.0TW	30-Jan-97	140	19.4	7.2	743	3.7	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0327	NF04.0TW	13-Feb-97	99	22.4	7.3	609	3.5	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0341	NF04.0TW	27-Feb-97	73	22.8	7.0	686	1.1	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0366	NF04.0TW	13-Mar-97	18	22.2	6.9	759	1.4	MEDIUM	GATES CLOSEDSEEPAGE AROUND GATES
LWSB-0388	NF04.0TW	27-Mar-97	43	23.9	7.1	709	1.7	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0411	NF04.0TW	10-Apr-97	33	21.9	7.0	756	0.8	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0426	NF04.0TW	24-Apr-97	25	21.6	7.0	621	0.9	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0451	NF04.0TW	08-May-97	30	23.5	6.9	616	0.8	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0472	NF04.0TW	22-May-97	41	24.1	6.9	521	1.2	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0497	NF04.0TW	05-Jun-97	188	20.8	7.2	564	1.1	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0522	NF04.0TW	19-Jun-97	LAB ERROR	27.9	7.2	567	0.5	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0546	NF04.0TW	03-Jul-97	435	27.8	7.1	560	1.2	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0570	NF04.0TW	17-Jul-97	280	--	--	--	--	MEDIUM	GATES OPEN/HYDRO LAB UNAVAILABLE
LWSB-0594	NF04.0TW	31-Jul-97	155	24.1	7.0	460	0.8	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0618	NF04.0TW	14-Aug-97	299	30.1	7.0	477	0.7	MEDIUM	GATES OPEN
LWSB-0642	NF04.0TW	27-Aug-97	182	28.6	6.8	512	0.8	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0666	NF04.0TW	11-Sep-97	194	28.2	7.0	478	1.3	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0690	NF04.0TW	26-Sep-97	139	--	--	--	--	LIGHT	HYDROLAB UNAVAILABLE/GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0715	NF04.0TW	09-Oct-97	115	--	--	--	--	NONE	HYDROLAB UNAVAILABLE/GATES REPAIRED/SLIGHT SEEPAGE
LWSB-0739	NF04.0TW	23-Oct-97	76	--	--	--	--	NONE	HYDROLAB UNAVAILABLE/GATES CLOSED/SLIGHT SEEPAGE

FEEDER CANAL BASIN WATER QUALITY SURVEY MONITORING RESULTS

SAMPLE NUMBER	MONITORING STATION	DATE	TP (ppb)	TEMP (C)	pH	COND (mS/cm)	DO (mg/l)	OBSERVED FLOW	COMMENTS
LWSB-0007	NF04.0TW01	26-Jun-96	349	29.6	7.0	136	1.1	LIGHT	SAMPLING INITIATED
LWSB-0021	NF04.0TW01	10-Jul-96	237	28.6	7.0	423	0.6	LIGHT	
LWSB-0037	NF04.0TW01	25-Jul-96	283	29.4	7.0	547	0.7	NONE	
LWSB-0055	NF04.0TW01	08-Aug-96	202	28.8	7.0	543	0.5	NONE	
LWSB-0076	NF04.0TW01	22-Aug-96	177	28.2	7.3	486	1.3	LIGHT	
LWSB-0085	NF04.0TW01	05-Sep-96	103	29.9	7.0	511	1.2	LIGHT	
LWSB-0114	NF04.0TW01	19-Sep-96	141	30.1	7.3	384	0.9	LIGHT	
LWSB-0124	NF04.0TW01	03-Oct-96	138	27.1	7.0	504	1.5	LIGHT	
LWSB-0144	NF04.0TW01	17-Oct-96	131	25.8	6.9	450	1.7	MEDIUM	
LWSB-0164	NF04.0TW01	31-Oct-96	103	25.3	6.9	538	2.9	NONE	
LWSB-0183	NF04.0TW01	14-Nov-96	47	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0203	NF04.0TW01	26-Nov-96	82	22.3	7.1	588	3.8	NONE	
LWSB-0223	NF04.0TW01	12-Dec-96	98	19.2	7.2	638	3.5	NONE	
LWSB-0246	NF04.0TW01	31-Dec-96	105	21.6	7.2	688	3.0	NONE	
LWSB-0269	NF04.0TW01	16-Jan-97	130	20.1	7.1	695	3.3	LIGHT	
LWSB-0292	NF04.0TW01	30-Jan-97	152	20.9	7.1	728	3.3	NONE	
LWSB-0329	NF04.0TW01	13-Feb-97	123	22.1	7.1	641	4.1	NONE	
LWSB-0339	NF04.0TW01	27-Feb-97	748	23.0	7.0	676	1.8	NONE	
LWSB-0364	NF04.0TW01	13-Mar-97	65	23.5	7.2	770	2.1	NONE	
LWSB-0386	NF04.0TW01	27-Mar-97	61	24.9	7.1	684	1.4	NONE	
LWSB-0409	NF04.0TW01	10-Apr-97	87	23.2	7.0	740	1.5	NONE	
LWSB-0424	NF04.0TW01	24-Apr-97	46	23.1	7.1	624	2.5	NONE	
LWSB-0449	NF04.0TW01	08-May-97	48	23.7	7.0	633	1.9	NONE	
LWSB-0470	NF04.0TW01	22-May-97	42	28.1	7.2	173	1.6	NONE	
LWSB-0495	NF04.0TW01	05-Jun-97	121	22.3	7.4	459	1.0	NONE	
LWSB-0520	NF04.0TW01	19-Jun-97	LAB ERROR	29.3	7.4	558	2.1	NONE	
LWSB-0544	NF04.0TW01	03-Jul-97	611	28.7	7.1	526	1.0	NONE	
LWSB-0568	NF04.0TW01	17-Jul-97	174	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0592	NF04.0TW01	31-Jul-97	257	24.7	7.2	418	0.7	NONE	
LWSB-0616	NF04.0TW01	14-Aug-97	257	29.2	7.1	497	0.5	LIGHT	
LWSB-0640	NF04.0TW01	27-Aug-97	215	28.5	6.9	553	0.8	NONE	
LWSB-0664	NF04.0TW01	11-Sep-97	165	28.7	7.0	507	1.7	LIGHT	
LWSB-0688	NF04.0TW01	26-Sep-97	239	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0713	NF04.0TW01	09-Oct-97	108	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0737	NF04.0TW01	23-Oct-97	69	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE

FEEDER CANAL BASIN WATER QUALITY SURVEY MONITORING RESULTS

SAMPLE NUMBER	MONITORING STATION	DATE	TP (ppb)	TEMP (C)	pH	COND (mS/cm)	DO (mg/l)	OBSERVED FLOW	COMMENTS
LWSB-0008	NF05.5TN	26-Jun-96	493	29.3	7.2	452	2.8	LIGHT/MEDIUM	GATES CLOSED/SEEPAGE AROUND GATES/SAMPLING INITIATED
LWSB-0023	NF05.5TN	10-Jul-96	296	28.0	7.1	493	2.1	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0039	NF05.5TN	25-Jul-96	194	31.0	7.1	481	1.8	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0057	NF05.5TN	08-Aug-96	402	29.3	7.1	508	4.1	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0074	NF05.5TN	22-Aug-96	152	29.3	7.3	470	2.7	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0086	NF05.5TN	05-Sep-96	163	31.1	7.2	410	2.7	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0112	NF05.5TN	19-Sep-96	165	31.2	7.4	383	5.7	MEDIUM	GATES CLOSED/ SEEPAGE AROUND GATES
LWSB-0125	NF05.5TN	03-Oct-96	206	27.1	7.1	436	3.0	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0145	NF05.5TN	17-Oct-96	336	25.6	6.9	390	2.5	HEAVY	GATES OPEN
--	NF05.5TN	31-Oct-96	--	--	--	--	--	--	NO ACCESS
LWSB-0184	NF05.5TN	14-Nov-96	426	--	--	--	--	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES/HYDRO LAB UNAVAILABLE
LWSB-0204	NF05.5TN	26-Nov-96	233	22.7	7.1	448	4.8	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0224	NF05.5TN	12-Dec-96	353	19.1	7.1	432	4.3	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0247	NF05.5TN	31-Dec-96	299	21.8	7.0	516	2.6	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0270	NF05.5TN	16-Jan-97	200	20.2	7.1	525	4.2	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0293	NF05.5TN	30-Jan-97	138	21.6	7.1	561	4.3	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0326	NF05.5TN	13-Feb-97	283	22.3	7.3	546	5.4	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0340	NF05.5TN	27-Feb-97	281	22.9	7.0	496	2.9	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0365	NF05.5TN	13-Mar-97	215	22.5	7.1	530	1.7	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0387	NF05.5TN	27-Mar-97	150	24.4	7.2	522	1.5	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0410	NF05.5TN	10-Apr-97	4	23.2	7.1	586	2.1	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0425	NF05.5TN	24-Apr-97	58	24.1	7.1	511	2.7	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0450	NF05.5TN	08-May-97	38	24.4	7.0	477	2.3	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0471	NF05.5TN	22-May-97	171	27.3	7.4	516	5.7	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0496	NF05.5TN	05-Jun-97	301	23.5	7.5	456	3.5	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0521	NF05.5TN	19-Jun-97	161	30.4	7.8	243	3.3	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0545	NF05.5TN	03-Jul-97	415	29.0	7.2	419	1.9	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0569	NF05.5TN	17-Jul-97	236	--	--	--	--	MEDIUM	GATES OPEN/HYDROLAB UNAVAILABLE
LWSB-0593	NF05.5TN	31-Jul-97	207	25.8	7.4	419	4.8	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0617	NF05.5TN	14-Aug-97	294	29.8	7.2	420	2.6	LIGHT	GATES OPEN
LWSB-0641	NF05.5TN	27-Aug-97	134	29.9	6.9	396	4.0	LIGHT	GATES CLOSED/SEEPAGE OBSERVED
LWSB-0665	NF05.5TN	11-Sep-97	215	29.3	7.0	420	3.3	LIGHT	GATES CLOSED/SEEPAGE OBSERVED
LWSB-0689	NF05.5TN	26-Sep-97	162	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE/GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0714	NF05.5TN	09-Oct-97	187	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0738	NF05.5TN	23-Oct-97	1323	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE

FEEDER CANAL BASIN WATER QUALITY SURVEY MONITORING RESULTS

SAMPLE NUMBER	MONITORING STATION	DATE	TP (ppb)	TEMP (C)	pH	COND (mS/cm)	DO (mg/l)	OBSERVED FLOW	COMMENTS
LWSB-0003	NF05.5TN01	26-Jun-96	284	29.5	7.1	208	3.9	MEDIUM	GATES CLOSED/SEEPAGE AROUND GATES/SAMPLING INITIATED
LWSB-0017	NF05.5TN01	10-Jul-96	230	27.6	7.5	163	4.4	LIGHT	GATES CLOSEDSEEPAGE AROUND GATES
LWSB-0033	NF05.5TN01	25-Jul-96	162	29.4	7.0	488	2.0	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0051	NF05.5TN01	08-Aug-96	153	28.4	7.0	499	1.1	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0077	NF05.5TN01	22-Aug-96	122	27.2	7.3	485	1.7	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0081	NF05.5TN01	05-Sep-96	176	29.0	6.9	477	2.6	LIGHT	GATES OPEN
LWSB-0115	NF05.5TN01	19-Sep-96	100	28.9	7.0	415	2.1	LIGHT	GATES OPEN
LWSB-0120	NF05.5TN01	03-Oct-96	155	25.9	6.8	464	3.5	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0140	NF05.5TN01	17-Oct-96	135	24.9	6.8	421	1.7	MEDIUM	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0160	NF05.5TN01	31-Oct-96	94	24.1	6.6	477	1.0	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0179	NF05.5TN01	14-Nov-96	66	--	--	--	--	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES/HYDRO LAB UNAVAILABLE
LWSB-0199	NF05.5TN01	26-Nov-96	51	20.4	6.9	529	2.2	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0219	NF05.5TN01	12-Dec-96	75	17.3	7.1	542	4.9	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0242	NF05.5TN01	31-Dec-96	57	18.9	7.0	507	2.7	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0265	NF05.5TN01	16-Jan-97	39	18.9	7.0	447	3.3	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0288	NF05.5TN01	30-Jan-97	53	19.5	7.1	414	3.9	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0330	NF05.5TN01	13-Feb-97	126	20.3	6.9	453	3.5	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0335	NF05.5TN01	27-Feb-97	268	21.6	6.9	496	1.5	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0360	NF05.5TN01	13-Mar-97	301	21.9	7.4	454	1.2	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0382	NF05.5TN01	27-Mar-97	144	22.9	7.1	478	1.4	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0405	NF05.5TN01	10-Apr-97	170	22.3	7.1	401	1.5	LIGHT	GATES CLOSED,SEEPAGE AROUND GATES
LWSB-0420	NF05.5TN01	24-Apr-97	47	22.4	7.3	501	2.8	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0445	NF05.5TN01	08-May-97	31	23.2	7.2	499	2.9	NONE	GATES CLOSED/NO SEEPAGE OBSERVED
LWSB-0466	NF05.5TN01	22-May-97	65	26.8	7.1	495	1.5	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0491	NF05.5TN01	05-Jun-97	76	21.6	7.3	430	1.0	MEDIUM	GATES OPEN
LWSB-0516	NF05.5TN01	19-Jun-97	LAB ERROR	27.6	7.2	466	1.0	LIGHT	GATES OPEN
LWSB-0540	NF05.5TN01	03-Jul-97	390	27.2	7.1	407	1.1	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0564	NF05.5TN01	17-Jul-97	216	--	--	--	--	MEDIUM	GATES OPEN/HYDRO LAB UNAVAILABLE
LWSB-0588	NF05.5TN01	31-Jul-97	311	23.5	7.0	383	1.4	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0612	NF05.5TN01	14-Aug-97	335	29.9	7.3	411	3.5	MEDIUM	GATES OPEN
LWSB-0636	NF05.5TN01	27-Aug-97	158	27.5	6.8	406	2.4	LIGHT	GATES OPEN
LWSB-0660	NF05.5TN01	11-Sep-97	217	26.7	6.9	437	2.8	LIGHT	GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0684	NF05.5TN01	26-Sep-97	222	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE/GATES CLOSED/SEEPAGE AROUND GATES
LWSB-0709	NF05.5TN01	09-Oct-97	150	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0733	NF05.5TN01	23-Oct-97	94	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE/GATES CLOSED/SLIGHT SEEPAGE

FEEDER CANAL BASIN WATER QUALITY SURVEY MONITORING RESULTS

SAMPLE NUMBER	MONITORING STATION	DATE	TP (ppb)	TEMP (C)	pH	COND (mS/cm)	DO (mg/l)	OBSERVED FLOW	COMMENTS
LWSB-0010	FRYPUMP	26-Jun-96	120	33.3	7.2	245	2.7	NONE	SAMPLING INITIATED
LWSB-0024	FRYPUMP	10-Jul-96	*	31.4	7.3	285	3.7	NONE	
LWSB-0040	FRYPUMP	25-Jul-96	820	31.5	7.6	305	8.8	NONE	
LWSB-0058	FRYPUMP	08-Aug-96	2618	29.1	7.9	300	7.1	NONE	
LWSB-0073	FRYPUMP	22-Aug-96	4605	29.2	8.7	353	13.1	NONE	
LWSB-0088	FRYPUMP	05-Sep-96	147	31.7	7.8	412	7.8	NONE	
LWSB-0111	FRYPUMP	19-Sep-96	66	33.0	7.8	391	8.7	NONE	
LWSB-0127	FRYPUMP	03-Oct-96	148	27.1	7.5	506	5.9	NONE	
LWSB-0147	FRYPUMP	17-Oct-96	96	25.5	7.1	362	3.4	NONE	
LWSB-0166	FRYPUMP	31-Oct-96	96	25.3	7.1	355	3.1	NONE	
LWSB-0186	FRYPUMP	14-Nov-96	46	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0206	FRYPUMP	26-Nov-96	113	21.8	7.6	329	6.9	NONE	
LWSB-0226	FRYPUMP	12-Dec-96	490	19.3	8.1	325	10.4	NONE	
LWSB-0249	FRYPUMP	31-Dec-96	1510	22.1	7.8	361	7.4	NONE	
LWSB-0272	FRYPUMP	16-Jan-97	238	23.9	7.7	552	11.8	NONE	
LWSB-0295	FRYPUMP	30-Jan-97	382	23.1	8.1	435	14.6	NONE	
LWSB-0328	FRYPUMP	13-Feb-97	398	26.6	8.0	494	8.0	NONE	
LWSB-0342	FRYPUMP	27-Feb-97	664	26.0	8.2	500	13.7	NONE	
LWSB-0367	FRYPUMP	13-Mar-97	5652	26.5	7.5	479	3.5	NONE	
--	FRYPUMP	27-Mar-97	--	--	--	--	--	DRY	
--	FRYPUMP	10-Apr-97	--	--	--	--	--	DRY	
LWSB-0427	FRYPUMP	24-Apr-97	274	25.0	7.7	573	7.6	NONE	
--	FRYPUMP	08-May-97	--	--	--	--	--	DRY	
LWSB-0473	FRYPUMP	22-May-97	47	29.0	7.8	428	5.2	NONE	
LWSB-0498	FRYPUMP	05-Jun-97	42	23.6	7.5	442	3.6	NONE	
LWSB-0523	FRYPUMP	19-Jun-97	LAB ERROR	31.2	8.4	521	13.9	NONE	
LWSB-0547	FRYPUMP	03-Jul-97	87	30.3	7.5	396	4.4	NONE	
LWSB-0571	FRYPUMP	17-Jul-97	49	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0595	FRYPUMP	31-Jul-97	130	26.3	7.8	450	8.5	NONE	
LWSB-0619	FRYPUMP	14-Aug-97	219	34.3	7.3	289	1.5	NONE	
LWSB-0643	FRYPUMP	27-Aug-97	61	28.9	7.0	362	2.3	NONE	
LWSB-0667	FRYPUMP	11-Sep-97	81	27.5	7.1	336	2.7	NONE	
LWSB-0691	FRYPUMP	26-Sep-97	245	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0716	FRYPUMP	09-Oct-97	54	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0740	FRYPUMP	23-Oct-97	728	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE

FEEDER CANAL BASIN WATER QUALITY SURVEY MONITORING RESULTS

SAMPLE NUMBER	MONITORING STATION	DATE	TP (ppb)	TEMP (C)	pH	COND (mS/cm)	DO (mg/l)	OBSERVED FLOW	COMMENTS
LWSB-0011	WC01.7TN	26-Jun-96	45	30.0	7.3	358	2.8	LIGHT	SAMPLING INITIATED
LWSB-0025	WC01.7TN	10-Jul-96	*	30.7	7.3	394	3.2	LIGHT	
LWSB-0041	WC01.7TN	25-Jul-96	48	32.3	7.3	548	4.4	NONE	
LWSB-0059	WC01.7TN	08-Aug-96	49	30.9	7.2	519	2.9	NONE	
LWSB-0072	WC01.7TN	22-Aug-96	27	29.3	7.3	499	2.7	LIGHT	
LWSB-0089	WC01.7TN	05-Sep-96	35	31.6	7.2	513	3.0	LIGHT	
LWSB-0110	WC01.7TN	19-Sep-96	17	31.4	7.3	446	4.0	LIGHT	
LWSB-0128	WC01.7TN	03-Oct-96	*	27.7	7.2	528	2.1	LIGHT	
LWSB-0148	WC01.7TN	17-Oct-96	73	26.0	7.2	307	2.7	MEDIUM	
LWSB-0167	WC01.7TN	31-Oct-96	49	26.0	7.0	460	2.9	NONE	
LWSB-0187	WC01.7TN	14-Nov-96	32	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0207	WC01.7TN	26-Nov-96	18	22.7	7.4	618	5.1	NONE	
LWSB-0237	WC01.7TN	12-Dec-96	19	19.6	7.6	649	6.0	LIGHT	
LWSB-0260	WC01.7TN	31-Dec-96	17	20.1	7.5	743	5.2	MEDIUM	
LWSB-0280	WC01.7TN	16-Jan-97	4	21.5	7.5	653	5.7	LIGHT	
LWSB-0305	WC01.7TN	30-Jan-97	10	21.7	7.6	682	6.7	NONE	
LWSB-0325	WC01.7TN	13-Feb-97	16	20.7	7.1	786	2.7	NONE	
LWSB-0343	WC01.7TN	27-Feb-97	17	22.5	7.1	790	2.9	NONE	
LWSB-0368	WC01.7TN	13-Mar-97	13	23.7	7.1	776	2.9	NONE	
LWSB-0389	WC01.7TN	27-Mar-97	17	26.9	7.3	573	5.2	NONE	
LWSB-0412	WC01.7TN	10-Apr-97	10	23.8	7.1	596	3.7	NONE	
LWSB-0428	WC01.7TN	24-Apr-97	24	24.4	7.2	595	4.5	NONE	
LWSB-0452	WC01.7TN	08-May-97	17	26.5	7.1	550	4.3	NONE	
LWSB-0474	WC01.7TN	22-May-97	45	27.6	7.5	571	4.5	NONE	
LWSB-0509	WC01.7TN	05-Jun-97	13	33.2	7.8	99	6.5	LIGHT	
LWSB-0529	WC01.7TN	19-Jun-97	43	33.4	7.5	423	6.6	NONE	
LWSB-0558	WC01.7TN	03-Jul-97	50	35.7	7.7	404	10.8	NONE	
LWSB-0578	WC01.7TN	17-Jul-97	40	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0606	WC01.7TN	31-Jul-97	13	34.3	7.5	451	7.1	LIGHT	
LWSB-0630	WC01.7TN	14-Aug-97	20	33.5	7.3	423	4.1	NONE	
LWSB-0654	WC01.7TN	27-Aug-97	15	30.3	7.2	389	5.8	NONE	
LWSB-0678	WC01.7TN	11-Sep-97	18	28.9	7.0	555	3.8	NONE	
LWSB-0702	WC01.7TN	26-Sep-97	37	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0727	WC01.7TN	09-Oct-97	16	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0751	WC01.7TN	23-Oct-97	50	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE

FEEDER CANAL BASIN WATER QUALITY SURVEY MONITORING RESULTS

SAMPLE NUMBER	MONITORING STATION	DATE	TP (ppb)	TEMP (C)	pH	COND (mS/cm)	DO (mg/l)	OBSERVED FLOW	COMMENTS
--	WC01.9TN	26-Jun-96	--	--	--	--	--	--	
--	WC01.9TN	10-Jul-96	--	--	--	--	--	--	
--	WC01.9TN	25-Jul-96	--	--	--	--	--	--	
--	WC01.9TN	08-Aug-96	--	--	--	--	--	--	
--	WC01.9TN	22-Aug-96	--	--	--	--	--	--	
--	WC01.9TN	05-Sep-96	--	--	--	--	--	--	
--	WC01.9TN	19-Sep-96	--	--	--	--	--	--	
--	WC01.9TN	03-Oct-96	--	--	--	--	--	--	
--	WC01.9TN	17-Oct-96	--	--	--	--	--	--	
--	WC01.9TN	31-Oct-96	--	--	--	--	--	--	
--	WC01.9TN	14-Nov-96	--	--	--	--	--	--	
--	WC01.9TN	26-Nov-96	--	--	--	--	--	--	
--	WC01.9TN	12-Dec-96	--	--	--	--	--	--	
--	WC01.9TN	31-Dec-96	--	--	--	--	--	--	
--	WC01.9TN	16-Jan-97	--	--	--	--	--	--	
--	WC01.9TN	30-Jan-97	--	--	--	--	--	--	
LWSB-0322	WC01.9TN	13-Feb-97	47	21.6	7.4	727	3.1	NONE	SAMPLING INITIATED
LWSB-0346	WC01.9TN	27-Feb-97	56	23.9	7.2	652	3.3	NONE	
--	WC01.9TN	13-Mar-97	--	--	--	--	--	DRY	
LWSB-0392	WC01.9TN	27-Mar-97	218	25.5	7.4	226	4.7	NONE	
--	WC01.9TN	10-Apr-97	--	--	--	--	--	DRY	
LWSB-0431	WC01.9TN	24-Apr-97	116	21.7	7.1	706	2.2	NONE	
--	WC01.9TN	08-May-97	--	--	--	--	--	DRY	
LWSB-0477	WC01.9TN	22-May-97	35	23.2	7.3	787	1.7	REVERSE	REVERSE FLOW
LWSB-0508	WC01.9TN	05-Jun-97	22	24.9	7.1	563	2.4	LIGHT	
--	WC01.9TN	19-Jun-97	--	--	--	--	--	DRY	
LWSB-0557	WC01.9TN	03-Jul-97	210	28.5	7.1	726	1.0	LIGHT	
LWSB-0577	WC01.9TN	17-Jul-97	18	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0605	WC01.9TN	31-Jul-97	16	29.8	7.2	498	3.1	NONE	
LWSB-0629	WC01.9TN	14-Aug-97	20	29.1	7.1	712	1.9	REVERSE	
LWSB-0653	WC01.9TN	27-Aug-97	16	27.3	7.1	741	2.8	LIGHT	
LWSB-0677	WC01.9TN	11-Sep-97	45	25.6	7.3	632	3.1	LIGHT	
LWSB-0701	WC01.9TN	26-Sep-97	94	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0726	WC01.9TN	09-Oct-97	25	--	--	--	--	REVERSE	HYDRO LAB UNAVAILABLE
LWSB-0750	WC01.9TN	23-Oct-97	22	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE

FEEDER CANAL BASIN WATER QUALITY SURVEY MONITORING RESULTS

SAMPLE NUMBER	MONITORING STATION	DATE	TP (ppb)	TEMP (C)	pH	COND (mS/cm)	DO (mg/l)	OBSERVED FLOW	COMMENTS
LWSB-0013	WC03.1TN	26-Jun-96	46	31.9	7.5	293	5.6	LIGHT	SAMPLING INITIATED
LWSB-0027	WC03.1TN	10-Jul-96	*	33.1	7.4	290	5.2	LIGHT	
LWSB-0043	WC03.1TN	25-Jul-96	85	32.2	7.4	507	4.7	LIGHT	
--	WC03.1TN	08-Aug-96	--	--	--	--	--	--	NO ACCESS
LWSB-0067	WC03.1TN	22-Aug-96	20	28.4	7.2	502	3.0	LIGHT	
LWSB-0091	WC03.1TN	05-Sep-96	23	32.0	7.3	483	5.4	LIGHT	
LWSB-0108	WC03.1TN	19-Sep-96	20	31.6	7.3	443	4.9	LIGHT	
LWSB-0129	WC03.1TN	03-Oct-96	*	27.5	7.3	481	4.1	LIGHT	
LWSB-0149	WC03.1TN	17-Oct-96	24	27.1	7.2	409	6.1	LIGHT	
LWSB-0168	WC03.1TN	31-Oct-96	18	26.3	7.1	584	6.7	NONE	
LWSB-0188	WC03.1TN	14-Nov-96	14	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0208	WC03.1TN	26-Nov-96	20	22.8	7.4	621	6.0	NONE	
LWSB-0235	WC03.1TN	12-Dec-96	26	19.7	7.6	655	7.9	LIGHT	
LWSB-0258	WC03.1TN	31-Dec-96	17	22.7	7.7	650	7.0	NONE	
LWSB-0278	WC03.1TN	16-Jan-97	13	24.2	7.6	595	8.9	LIGHT	
LWSB-0303	WC03.1TN	30-Jan-97	17	23.3	7.6	614	9.0	NONE	
LWSB-0323	WC03.1TN	13-Feb-97	18	22.0	7.5	640	6.3	LIGHT	
LWSB-0344	WC03.1TN	27-Feb-97	17	25.0	7.3	660	4.9	LIGHT	
LWSB-0369	WC03.1TN	13-Mar-97	23	25.8	7.7	566	5.9	LIGHT	
LWSB-0390	WC03.1TN	27-Mar-97	18	28.4	7.4	583	6.4	NONE	
LWSB-0413	WC03.1TN	10-Apr-97	26	25.1	7.3	589	5.0	NONE	
LWSB-0429	WC03.1TN	24-Apr-97	14	25.7	7.4	624	5.5	NONE	
LWSB-0453	WC03.1TN	08-May-97	17	27.3	7.2	544	5.8	NONE	
LWSB-0475	WC03.1TN	22-May-97	14	28.3	7.4	558	7.3	LIGHT	
LWSB-0510	WC03.1TN	05-Jun-97	120	34.1	7.6	294	8.7	MEDIUM	
LWSB-0530	WC03.1TN	19-Jun-97	27	31.6	7.4	443	5.4	NONE	
LWSB-0559	WC03.1TN	03-Jul-97	34	34.4	7.6	532	12.1	LIGHT	
LWSB-0579	WC03.1TN	17-Jul-97	15	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0607	WC03.1TN	31-Jul-97	15	32.2	7.4	429	7.4	LIGHT	
LWSB-0631	WC03.1TN	14-Aug-97	11	35.5	7.6	514	11.3	LIGHT	
LWSB-0655	WC03.1TN	27-Aug-97	14	33.6	7.3	543	11.4	LIGHT	
LWSB -0679	WC03.1TN	11-Sep-97	27	28.3	7.2	463	7.2	LIGHT	
LWSB-0703	WC03.1TN	26-Sep-97	32	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0728	WC03.1TN	09-Oct-97	28	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0752	WC03.1TN	23-Oct-97	28	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE

FEEDER CANAL BASIN WATER QUALITY SURVEY MONITORING RESULTS

SAMPLE NUMBER	MONITORING STATION	DATE	TP (ppb)	TEMP (C)	pH	COND (mS/cm)	DO (mg/l)	OBSERVED FLOW	COMMENTS
LWSB-0014	WC03.4TN	26-Jun-96	31	30.2	7.6	302	5.9	LIGHT/MEDIUM	SAMPLING INITIATED
LWSB-0028	WC03.4TN	10-Jul-96	*	30.8	7.6	369	7.4	LIGHT	
LWSB-0044	WC03.4TN	25-Jul-96	24	32.8	7.6	487	6.6	LIGHT	
--	WC03.4TN	08-Aug-96	--	--	--	--	--	--	NO ACCESS
LWSB-0068	WC03.4TN	22-Aug-96	12	28.3	7.4	380	4.4	LIGHT	
LWSB-0092	WC03.4TN	05-Sep-96	10	31.7	7.5	409	7.4	LIGHT	
LWSB-0109	WC03.4TN	19-Sep-96	11	32.1	7.7	352	10.2	LIGHT	
LWSB-0130	WC03.4TN	03-Oct-96	*	27.5	7.3	508	5.8	LIGHT	
LWSB-0150	WC03.4TN	17-Oct-96	14	26.2	7.4	256	5.9	HEAVY	
LWSB-0169	WC03.4TN	31-Oct-96	12	26.6	7.4	375	8.7	MEDIUM	
LWSB-0189	WC03.4TN	14-Nov-96	<4	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0209	WC03.4TN	26-Nov-96	17	23.7	7.5	623	6.2	NONE	
LWSB-0236	WC03.4TN	12-Dec-96	10	20.2	7.6	617	9.8	LIGHT	
LWSB-0259	WC03.4TN	31-Dec-96	16	22.9	7.7	651	6.7	NONE	
LWSB-0279	WC03.4TN	16-Jan-97	4	24.4	7.6	680	11.9	LIGHT	
LWSB-0304	WC03.4TN	30-Jan-97	17	23.4	7.6	632	7.5	NONE	
LWSB-0324	WC03.4TN	13-Feb-97	22	23.6	7.7	604	8.2	LIGHT	
LWSB-0345	WC03.4TN	27-Feb-97	16	26.0	7.5	603	6.8	NONE	
LWSB-0370	WC03.4TN	13-Mar-97	30	28.6	8.1	488	12.6	NONE	
LWSB-0391	WC03.4TN	27-Mar-97	15	28.5	7.4	607	6.2	NONE	
LWSB-0414	WC03.4TN	10-Apr-97	32	25.5	7.3	604	3.8	NONE	
LWSB-0430	WC03.4TN	24-Apr-97	12	26.1	7.4	601	6.4	NONE	
LWSB-0454	WC03.4TN	08-May-97	18	26.7	7.2	521	6.4	NONE	
LWSB-0476	WC03.4TN	22-May-97	7	28.6	7.7	548	9.2	LIGHT	
LWSB-0511	WC03.4TN	05-Jun-97	15	32.2	7.9	188	6.9	MEDIUM	
LWSB-0531	WC03.4TN	19-Jun-97	33	31.6	7.4	443	5.4	NONE	
LWSB-0560	WC03.4TN	03-Jul-97	35	33.0	7.7	304	9.3	LIGHT	
LWSB-0580	WC03.4TN	17-Jul-97	63	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0608	WC03.4TN	31-Jul-97	23	31.8	7.4	444	4.9	LIGHT	
LWSB-0632	WC03.4TN	14-Aug-97	9	35.2	7.4	374	6.8	LIGHT	
LWSB-0656	WC03.4TN	27-Aug-97	12	32.9	7.3	327	7.7	LIGHT	
LWSB-0680	WC03.4TN	11-Sep-97	16	27.5	6.9	603	3.7	LIGHT	
LWSB-0704	WC03.4TN	26-Sep-97	15	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0729	WC03.4TN	09-Oct-97	16	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0753	WC03.4TN	23-Oct-97	17	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE

FEEDER CANAL BASIN WATER QUALITY SURVEY MONITORING RESULTS

SAMPLE NUMBER	MONITORING STATION	DATE	TP (ppb)	TEMP (C)	pH	COND (mS/cm)	DO (mg/l)	OBSERVED FLOW	COMMENTS
--	WC04.7TN	26-Jun-96	--	--	--	--	--	--	
--	WC04.7TN	10-Jul-96	--	--	--	--	--	--	
--	WC04.7TN	25-Jul-96	--	--	--	--	--	--	
--	WC04.7TN	08-Aug-96	--	--	--	--	--	--	
--	WC04.7TN	22-Aug-96	--	--	--	--	--	--	
LWSB-0097	WC04.7TN	05-Sep-96	13	35.2	7.9	359	9.9	LIGHT	SAMPLING INITIATED
LWSB-0105	WC04.7TN	19-Sep-96	11	32.5	7.6	362	8.7	LIGHT	
LWSB-0135	WC04.7TN	03-Oct-96	10	28.6	7.8	427	8.8	LIGHT	
LWSB-0155	WC04.7TN	17-Oct-96	10	26.4	7.6	229	5.5	MEDIUM	
LWSB-0174	WC04.7TN	31-Oct-96	11	29.2	7.8	360	8.2	MEDIUM	
LWSB-0194	WC04.7TN	14-Nov-96	12	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0214	WC04.7TN	26-Nov-96	28	23.1	7.6	534	5.1	NONE	
LWSB-0228	WC04.7TN	12-Dec-96	82	21.9	7.5	575	9.5	LIGHT	
LWSB-0251	WC04.7TN	31-Dec-96	32	23.8	7.5	673	7.0	NONE	
LWSB-0281	WC04.7TN	16-Jan-97	15	22.1	7.3	640	7.6	LIGHT	
LWSB-0296	WC04.7TN	30-Jan-97	26	23.8	7.4	600	7.9	NONE	
LWSB-0310	WC04.7TN	13-Feb-97	22	21.3	7.3	674	5.8	NONE	
LWSB-0354	WC04.7TN	27-Feb-97	9	28.0	7.8	581	9.4	NONE	
LWSB-0376	WC04.7TN	13-Mar-97	28	27.8	7.8	614	8.4	LIGHT	
LWSB-0399	WC04.7TN	27-Mar-97	16	29.5	7.8	441	10.3	NONE	
--	WC04.7TN	10-Apr-97	--	--	--	--	--	DRY	
LWSB-0440	WC04.7TN	24-Apr-97	17	28.2	7.4	601	8.6	NONE	
LWSB-0461	WC04.7TN	08-May-97	22	29.3	7.3	543	9.7	NONE	
LWSB-0486	WC04.7TN	22-May-97	12	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0502	WC04.7TN	05-Jun-97	20	24.0	7.7	306	8.1	LIGHT	
LWSB-0535	WC04.7TN	19-Jun-97	11	34.1	8.1	405	9.3	LIGHT	
LWSB-0550	WC04.7TN	03-Jul-97	6	30.9	7.5	321	6.8	MEDIUM	
LWSB-0584	WC04.7TN	17-Jul-97	9	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0598	WC04.7TN	31-Jul-97	9	29.9	7.8	395	8.8	LIGHT	
LWSB-0622	WC04.7TN	14-Aug-97	8	32.5	7.8	313	8.0	LIGHT	
LWSB-0646	WC04.7TN	27-Aug-97	10	30.1	7.3	295.0	8.3	LIGHT	
LWSB-0670	WC04.7TN	11-Sep-97	11	28.5	7.4	397.0	7.3	LIGHT	
LWSB-0694	WC04.7TN	26-Sep-97	22	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0719	WC04.7TN	09-Oct-97	7	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0743	WC04.7TN	23-Oct-97	22	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE

FEEDER CANAL BASIN WATER QUALITY SURVEY MONITORING RESULTS

SAMPLE NUMBER	MONITORING STATION	DATE	TP (ppb)	TEMP (C)	pH	COND (mS/cm)	DO (mg/l)	OBSERVED FLOW	COMMENTS
--	WC04.9TN	26-Jun-96	--	--	--	--	--	--	
--	WC04.9TN	10-Jul-96	--	--	--	--	--	--	
--	WC04.9TN	25-Jul-96	--	--	--	--	--	--	
--	WC04.9TN	08-Aug-96	--	--	--	--	--	--	
--	WC04.9TN	22-Aug-96	--	--	--	--	--	--	
--	WC04.9TN	05-Sep-96	--	--	--	--	--	--	
--	WC04.9TN	19-Sep-96	--	--	--	--	--	--	
--	WC04.9TN	03-Oct-96	--	--	--	--	--	--	
--	WC04.9TN	17-Oct-96	--	--	--	--	--	--	
--	WC04.9TN	31-Oct-96	--	--	--	--	--	--	
--	WC04.9TN	14-Nov-96	--	--	--	--	--	--	
--	WC04.9TN	26-Nov-96	--	--	--	--	--	--	
LWSB-0229	WC04.9TN	12-Dec-96	10	20.2	7.9	501	12.0	LIGHT	SAMPLING INITIATED
LWSB-0252	WC04.9TN	31-Dec-96	28	22.4	7.5	459	6.5	NONE	
LWSB-0282	WC04.9TN	16-Jan-97	5	22.2	7.5	561	7.4	MEDIUM	
LWSB-0297	WC04.9TN	30-Jan-97	26	23.6	7.4	471	9.0	NONE	
LWSB-0314	WC04.9TN	13-Feb-97	23	21.3	7.4	686	6.1	NONE	
LWSB-0353	WC04.9TN	27-Feb-97	19	26.3	7.8	589	9.1	NONE	
LWSB-0377	WC04.9TN	13-Mar-97	35	26.8	8.0	472	8.5	NONE	
LWSB-0400	WC04.9TN	27-Mar-97	94	28.3	7.6	409	10.0	LIGHT	
--	WC04.9TN	10-Apr-97	--	--	--	--	--	DRY	
LWSB-0439	WC04.9TN	24-Apr-97	18	27.6	7.6	507	10.4	NONE	
LWSB-0460	WC04.9TN	08-May-97	16	29.1	7.6	387	10.5	NONE	
LWSB-0485	WC04.9TN	22-May-97	13	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0501	WC04.9TN	05-Jun-97	22	24.5	7.6	586	8.9	LIGHT	
LWSB-0534	WC04.9TN	19-Jun-97	17	32.3	8.1	409	10.1	LIGHT	
LWSB-0551	WC04.9TN	03-Jul-97	9	30.6	7.5	429	8.4	MEDIUM	
LWSB-0583	WC04.9TN	17-Jul-97	12	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0599	WC04.9TN	31-Jul-97	9	20.7	7.6	446	9.1	LIGHT	
LWSB-0623	WC04.9TN	14-Aug-97	10	32.7	7.7	389	8.6	LIGHT	
LWSB-0647	WC04.9TN	27-Aug-97	11	30.3	7.3	405	7.9	LIGHT	
LWSB-0671	WC04.9TN	11-Sep-97	12	28.6	7.3	440	6.2	LIGHT	
LWSB-0695	WC04.9TN	26-Sep-97	12	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0720	WC04.9TN	09-Oct-97	8	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0744	WC04.9TN	23-Oct-97	10	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE

FEEDER CANAL BASIN WATER QUALITY SURVEY MONITORING RESULTS

SAMPLE NUMBER	MONITORING STATION	DATE	TP (ppb)	TEMP (C)	pH	COND (mS/cm)	DO (mg/l)	OBSERVED FLOW	COMMENTS
--	WC05.7TN	26-Jun-96	--	--	--	--	--	--	NO ACCESS
LWSB-0029	WC05.7TN	10-Jul-96	*	31.2	7.3	359	2.4	LIGHT	SAMPLING INITIATED
LWSB-0048	WC05.7TN	25-Jul-96	56	31.8	7.2	521	2.2	MEDIUM	
LWSB-0062	WC05.7TN	08-Aug-96	318	30.4	7.3	576	7.6	LIGHT	
LWSB-0078	WC05.7TN	22-Aug-96	42	29.4	7.4	577	6.0	LIGHT	
LWSB-0094	WC05.7TN	05-Sep-96	34	31.4	7.2	646	6.2	LIGHT	
LWSB-0106	WC05.7TN	19-Sep-96	48	30.0	7.1	535	5.3	MEDIUM	
LWSB-0134	WC05.7TN	03-Oct-96	41	26.9	7.2	631	4.7	LIGHT	
LWSB-0154	WC05.7TN	17-Oct-96	90	26.1	7.3	330	3.6	HEAVY	
LWSB-0173	WC05.7TN	31-Oct-96	65	27.2	7.2	478	4.6	LIGHT	
LWSB-0193	WC05.7TN	14-Nov-96	49	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0213	WC05.7TN	26-Nov-96	62	23.3	7.3	671	3.8	LIGHT	
LWSB-0227	WC05.7TN	12-Dec-96	20	21.7	7.1	749	4.3	LIGHT	
LWSB-0250	WC05.7TN	31-Dec-96	111	23.4	7.1	838	3.3	NONE	
LWSB-0283	WC05.7TN	16-Jan-97	21	22.4	7.1	706	5.2	LIGHT	
LWSB-0298	WC05.7TN	30-Jan-97	38	22.6	7.0	812	2.4	NONE	
LWSB-0315	WC05.7TN	13-Feb-97	68	22.7	7.4	783	6.0	NONE	
LWSB-0352	WC05.7TN	27-Feb-97	63	27.6	7.6	716	6.9	NONE	
LWSB-0375	WC05.7TN	13-Mar-97	101	27.8	7.6	785	7.0	NONE	
LWSB-0398	WC05.7TN	27-Mar-97	47	27.7	8.0	723	5.2	NONE	
LWSB-0417	WC05.7TN	10-Apr-97	62	26.3	7.2	783	5.0	NONE	
LWSB-0438	WC05.7TN	24-Apr-97	77	28.1	7.4	764	9.3	NONE	
LWSB-0459	WC05.7TN	08-May-97	36	29.0	7.4	608	5.7	NONE	
LWSB-0484	WC05.7TN	22-May-97	16	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0500	WC05.7TN	05-Jun-97	21	24.3	7.5	586	8.9	LIGHT	
LWSB-0533	WC05.7TN	19-Jun-97	39	31.4	7.3	596	4.3	LIGHT	
LWSB-0549	WC05.7TN	03-Jul-97	15	29.5	7.2	592	4.2	LIGHT	
LWSB-0582	WC05.7TN	17-Jul-97	25	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0597	WC05.7TN	31-Jul-97	18	24.5	7.2	575	5.5	LIGHT	
LWSB-0621	WC05.7TN	14-Aug-97	41	30.3	7.2	461	2.2	LIGHT	
LWSB-0645	WC05.7TN	27-Aug-97	29	29.1	6.9	460.0	2.7	LIGHT	
LWSB-0669	WC05.7TN	11-Sep-97	98	27.0	6.8	625.0	1.2	LIGHT	
LWSB-0693	WC05.7TN	26-Sep-97	71	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0718	WC05.7TN	09-Oct-97	37	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0742	WC05.7TN	23-Oct-97	27	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE

FEEDER CANAL BASIN WATER QUALITY SURVEY MONITORING RESULTS

SAMPLE NUMBER	MONITORING STATION	DATE	TP (ppb)	TEMP (C)	pH	COND (mS/cm)	DO (mg/l)	OBSERVED FLOW	COMMENTS
--	WC05.7TN01	26-Jun-96	--	--	--	--	--	--	
--	WC05.7TN01	10-Jul-96	--	--	--	--	--	--	
--	WC05.7TN01	25-Jul-96	--	--	--	--	--	--	
--	WC05.7TN01	08-Aug-96	--	--	--	--	--	--	
--	WC05.7TN01	22-Aug-96	--	--	--	--	--	--	
--	WC05.7TN01	05-Sep-96	--	--	--	--	--	--	
--	WC05.7TN01	19-Sep-96	--	--	--	--	--	--	
--	WC05.7TN01	03-Oct-96	--	--	--	--	--	--	
--	WC05.7TN01	17-Oct-96	--	--	--	--	--	--	
--	WC05.7TN01	31-Oct-96	--	--	--	--	--	--	
--	WC05.7TN01	14-Nov-96	--	--	--	--	--	--	
--	WC05.7TN01	26-Nov-96	--	--	--	--	--	--	
--	WC05.7TN01	12-Dec-96	--	--	--	--	--	--	
--	WC05.7TN01	31-Dec-96	--	--	--	--	--	--	
--	WC05.7TN01	16-Jan-97	--	--	--	--	--	--	
--	WC05.7TN01	30-Jan-97	--	--	--	--	--	--	
LWSB-0316	WC05.7TN01	13-Feb-97	102	20.5	7.3	515	6.4	NONE	SAMPLING INITIATED
LWSB-0351	WC05.7TN01	27-Feb-97	158	26.4	7.5	537	9.1	NONE	
--	WC05.7TN01	13-Mar-97	--	--	--	--	--	DRY	
LWSB-0397	WC05.7TN01	27-Mar-97	194	29.8	7.6	462	9.8	NONE	
--	WC05.7TN01	10-Apr-97	--	--	--	--	--	DRY	
LWSB-0437	WC05.7TN01	24-Apr-97	63	27.3	7.4	460	9.5	NONE	
--	WC05.7TN01	08-May-97	--	--	--	--	--	DRY	
LWSB-0483	WC05.7TN01	22-May-97	18	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0499	WC05.7TN01	05-Jun-97	26	22.6	7.2	550	2.3	LIGHT	
LWSB-0532	WC05.7TN01	19-Jun-97	20	29.8	7.2	556	1.8	LIGHT	
LWSB-0548	WC05.7TN01	03-Jul-97	22	28.9	7.2	557	1.5	LIGHT	
LWSB-0581	WC05.7TN01	17-Jul-97	31	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0596	WC05.7TN01	31-Jul-97	33	24.2	7.1	439	2.0	LIGHT	
LWSB-0620	WC05.7TN01	14-Aug-97	58	29.6	7.1	365	1.0	LIGHT	
LWSB-0644	WC05.7TN01	27-Aug-97	36	27.8	6.9	369	1.3	LIGHT	
LWSB-0668	WC05.7TN01	11-Sep-97	46	26.6	6.8	457	1.0	LIGHT	
LWSB-0692	WC05.7TN01	26-Sep-97	53	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0717	WC05.7TN01	09-Oct-97	45	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0741	WC05.7TN01	23-Oct-97	23	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE

FEEDER CANAL BASIN WATER QUALITY SURVEY MONITORING RESULTS

SAMPLE NUMBER	MONITORING STATION	DATE	TP (pbb)	TEMP (C)	pH	COND (mS/cm)	DO (mg/l)	OBSERVED FLOW	COMMENTS
LWSB-0012	LC01.3TW	26-Jun-96	19	29.4	7.3	280	5.5	MEDIUM	SAMPLING INITIATED
LWSB-0026	LC01.3TW	10-Jul-96	*	29.6	7.3	335	5.9	LIGHT	
LWSB-0042	LC01.3TW	25-Jul-96	12	31.8	7.3	540	5.1	LIGHT	
LWSB-0060	LC01.3TW	08-Aug-96	15	29.8	7.2	562	6.0	LIGHT	
LWSB-0066	LC01.3TW	22-Aug-96	12	26.8	7.2	567	3.7	LIGHT	
LWSB-0090	LC01.3TW	05-Sep-96	12	29.4	7.3	592	5.6	LIGHT	
LWSB-0107	LC01.3TW	19-Sep-96	17	30.3	7.2	600	6.3	LIGHT	
LWSB-0131	LC01.3TW	03-Oct-96	*	27.5	7.3	483	4.1	LIGHT	
LWSB-0151	LC01.3TW	17-Oct-96	16	25.7	7.4	240	4.4	HEAVY	
LWSB-0170	LC01.3TW	31-Oct-96	14	27.1	7.3	395	7.2	MEDIUM	
LWSB-0190	LC01.3TW	14-Nov-96	7	--	--	--	--	MEDIUM	HYDRO LAB UNAVAILABLE
LWSB-0210	LC01.3TW	26-Nov-96	8	24.6	7.4	610	8.3	NONE	
LWSB-0234	LC01.3TW	12-Dec-96	9	20.8	7.9	478	11.8	LIGHT	
LWSB-0257	LC01.3TW	31-Dec-96	10	24.1	7.9	436	12.0	NONE	
LWSB-0277	LC01.3TW	16-Jan-97	5	24.2	7.6	431	10.2	LIGHT	
LWSB-0302	LC01.3TW	30-Jan-97	11	23.7	7.8	384	13.1	NONE	
LWSB-0321	LC01.3TW	13-Feb-97	9	24.1	7.5	496	11.1	LIGHT	
LWSB-0347	LC01.3TW	27-Feb-97	7	25.1	7.5	400	8.8	LIGHT	
LWSB-0371	LC01.3TW	13-Mar-97	15	26.7	8.4	268	9.0	NONE	
LWSB-0393	LC01.3TW	27-Mar-97	32	30.0	8.3	263	8.4	NONE	
--	LC01.3TW	10-Apr-97	--	--	--	--	--	DRY	
LWSB-0432	LC01.3TW	24-Apr-97	27	26.9	7.8	290	8.3	NONE	
LWSB-0455	LC01.3TW	08-May-97	13	28.3	7.8	241	8.8	NONE	
LWSB-0478	LC01.3TW	22-May-97	12	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0507	LC01.3TW	05-Jun-97	15	31.8	7.5	325	7.6	MEDIUM	
LWSB-0528	LC01.3TW	19-Jun-97	8	30.7	7.3	549	6.5	LIGHT	
LWSB-0556	LC01.3TW	03-Jul-97	35	31.3	7.4	565	9.0	LIGHT	
LWSB-0576	LC01.3TW	17-Jul-97	36	--	--	--	--	MEDIUM	HYDRO LAB UNAVAILABLE
LWSB-0604	LC01.3TW	31-Jul-97	8	24.5	7.2	599	5.3	LIGHT	
LWSB-0628	LC01.3TW	14-Aug-97	17	35.1	7.8	306	9.1	LIGHT	
LWSB-0652	LC01.3TW	27-Aug-97	17	32.2	7.7	292	10.1	LIGHT	
LWSB-0676	LC01.3TW	11-Sep-97	50	28.3	7.1	540	4.8	LIGHT	
LWSB-0700	LC01.3TW	26-Sep-97	29	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0725	LC01.3TW	09-Oct-97	22	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0749	LC01.3TW	23-Oct-97	18	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE

FEEDER CANAL BASIN WATER QUALITY SURVEY MONITORING RESULTS

SAMPLE NUMBER	MONITORING STATION	DATE	TP (ppb)	TEMP (C)	pH	COND (mS/cm)	DO (mg/l)	OBSERVED FLOW	COMMENTS
--	LC02.0TW	26-Jun-96	--	--	--	--	--	--	
--	LC02.0TW	10-Jul-96	--	--	--	--	--	--	
--	LC02.0TW	25-Jul-96	--	--	--	--	--	--	
--	LC02.0TW	08-Aug-96	--	--	--	--	--	--	
--	LC02.0TW	22-Aug-96	--	--	--	--	--	--	
--	LC02.0TW	05-Sep-96	--	--	--	--	--	--	
--	LC02.0TW	19-Sep-96	--	--	--	--	--	--	
--	LC02.0TW	03-Oct-96	--	--	--	--	--	--	
--	LC02.0TW	17-Oct-96	--	--	--	--	--	--	
--	LC02.0TW	31-Oct-96	--	--	--	--	--	--	
--	LC02.0TW	14-Nov-96	--	--	--	--	--	--	
--	LC02.0TW	26-Nov-96	--	--	--	--	--	--	
--	LC02.0TW	12-Dec-96	--	--	--	--	--	DRY	SAMPLING INITIATED
--	LC02.0TW	31-Dec-96	--	--	--	--	--	DRY	
--	LC02.0TW	16-Jan-97	--	--	--	--	--	DRY	
--	LC02.0TW	30-Jan-97	--	--	--	--	--	DRY	
--	LC02.0TW	13-Feb-97	--	--	--	--	--	DRY	
--	LC02.0TW	27-Feb-97	--	--	--	--	--	DRY	
--	LC02.0TW	13-Mar-97	--	--	--	--	--	DRY	
--	LC02.0TW	27-Mar-97	--	--	--	--	--	DRY	
--	LC02.0TW	10-Apr-97	--	--	--	--	--	DRY	
--	LC02.0TW	24-Apr-97	--	--	--	--	--	DRY	
--	LC02.0TW	08-May-97	--	--	--	--	--	DRY	
--	LC02.0TW	22-May-97	--	--	--	--	--	DRY	
--	LC02.0TW	05-Jun-97	--	--	--	--	--	DRY	
--	LC02.0TW	19-Jun-97	--	--	--	--	--	DRY	
--	LC02.0TW	03-Jul-97	--	--	--	--	--	DRY	
--	LC02.0TW	17-Jul-97	--	--	--	--	--	DRY	
--	LC02.0TW	31-Jul-97	--	--	--	--	--	DRY	
--	LC02.0TW	14-Aug-97	--	--	--	--	--	DRY	
--	LC02.0TW	27-Aug-97	--	--	--	--	--	DRY	
--	LC02.0TW	11-Sep-97	--	--	--	--	--	DRY	
--	LC02.0TW	26-Sep-97	--	--	--	--	--	DRY	
--	LC02.0TW	09-Oct-97	--	--	--	--	--	DRY	
--	LC02.0TW	23-Oct-97	--	--	--	--	--	DRY	

FEEDER CANAL BASIN WATER QUALITY SURVEY MONITORING RESULTS

SAMPLE NUMBER	MONITORING STATION	DATE	TP (ppb)	TEMP (C)	pH	COND (mS/cm)	DO (mg/l)	OBSERVED FLOW	COMMENTS
--	LCO2.9TW	26-Jun-96	--	--	--	--	--	--	
--	LCO2.9TW	10-Jul-96	--	--	--	--	--	--	
--	LCO2.9TW	25-Jul-96	--	--	--	--	--	--	
--	LCO2.9TW	08-Aug-96	--	--	--	--	--	--	
--	LCO2.9TW	22-Aug-96	--	--	--	--	--	--	
--	LCO2.9TW	05-Sep-96	--	--	--	--	--	--	
--	LCO2.9TW	19-Sep-96	--	--	--	--	--	--	
--	LCO2.9TW	03-Oct-96	--	--	--	--	--	--	
--	LCO2.9TW	17-Oct-96	--	--	--	--	--	--	
--	LCO2.9TW	31-Oct-96	--	--	--	--	--	--	
--	LCO2.9TW	14-Nov-96	--	--	--	--	--	--	
--	LCO2.9TW	26-Nov-96	--	--	--	--	--	--	
LWSB-0233	LCO2.9TW	12-Dec-96	24	23.0	7.5	898	9.8	LIGHT	SAMPLING INITIATED
LWSB-0256	LCO2.9TW	31-Dec-96	19	26.2	7.9	860	9.3	HEAVY	
LWSB-0276	LCO2.9TW	16-Jan-97	14	25.7	7.5	838	9.3	LIGHT	
--	LCO2.9TW	30-Jan-97	--	--	--	--	--	DRY	
LWSB-0320	LCO2.9TW	13-Feb-97	15	27.7	7.5	854	9.9	LIGHT	
--	LCO2.9TW	27-Feb-97	--	--	--	--	--	DRY	
--	LCO2.9TW	13-Mar-97	--	--	--	--	--	DRY	
--	LCO2.9TW	27-Mar-97	--	--	--	--	--	DRY	
--	LCO2.9TW	10-Apr-97	--	--	--	--	--	DRY	
LWSB-0433	LCO2.9TW	24-Apr-97	24	27.6	7.6	736	10.0	NONE	
--	LCO2.9TW	08-May-97	--	--	--	--	--	DRY	
LWSB-0479	LCO2.9TW	22-May-97	15	--	--	--	--	HEAVY	HYDRO LAB UNAVAILABLE
LWSB-0506	LCO2.9TW	05-Jun-97	23	23.3	7.8	819	13.8	MEDIUM	
LWSB-0527	LCO2.9TW	19-Jun-97	54	32.2	7.9	855	8.6	LIGHT	
LWSB-0555	LCO2.9TW	03-Jul-97	28	33.8	7.8	557	9.1	LIGHT	
LWSB-0575	LCO2.9TW	17-Jul-97	15	--	--	--	--	MEDIUM	HYDRO LAB UNAVAILABLE
LWSB-0603	LCO2.9TW	31-Jul-97	23	33.4	7.8	302	6.3	MEDIUM	
LWSB-0627	LCO2.9TW	14-Aug-97	42	35.3	7.4	451	5.1	MEDIUM	
LWSB-0651	LCO2.9TW	27-Aug-97	33	32.9	7.3	699.0	6.9	LIGHT	
LWSB-0675	LCO2.9TW	11-Sep-97	35	29.4	7.3	649.0	7.3	LIGHT	
LWSB-0699	LCO2.9TW	26-Sep-97	55	--	--	--	--	MEDIUM	HYDRO LAB UNAVAILABLE
LWSB-0724	LCO2.9TW	09-Oct-97	27	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0748	LCO2.9TW	23-Oct-97	46	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE

FEEDER CANAL BASIN WATER QUALITY SURVEY MONITORING RESULTS

SAMPLE NUMBER	MONITORING STATION	DATE	TP (ppb)	TEMP (C)	pH	COND (mS/cm)	DO (mg/l)	OBSERVED FLOW	COMMENTS
--	LC02.9TW01	26-Jun-96	--	--	--	--	--	--	
--	LC02.9TW01	10-Jul-96	--	--	--	--	--	--	
--	LC02.9TW01	25-Jul-96	--	--	--	--	--	--	
--	LC02.9TW01	08-Aug-96	--	--	--	--	--	--	
--	LC02.9TW01	22-Aug-96	--	--	--	--	--	--	
--	LC02.9TW01	05-Sep-96	--	--	--	--	--	--	
--	LC02.9TW01	19-Sep-96	--	--	--	--	--	--	
--	LC02.9TW01	03-Oct-96	--	--	--	--	--	--	
--	LC02.9TW01	17-Oct-96	--	--	--	--	--	--	
--	LC02.9TW01	31-Oct-96	--	--	--	--	--	--	
--	LC02.9TW01	14-Nov-96	--	--	--	--	--	--	
--	LC02.9TW01	26-Nov-96	--	--	--	--	--	--	
LWSB-0230	LC02.9TW01	12-Dec-96	15	19.4	7.7	665	7.9	LIGHT	SAMPLING INITIATED (SITE NAME CHANGE FROM LC030TW01)
LWSB-0253	LC02.9TW01	31-Dec-96	48	23.1	7.5	672	5.1	NONE	
LWSB-0273	LC02.9TW01	16-Jan-97	16	23.5	7.3	787	7.9	LIGHT	
LWSB-0299	LC02.9TW01	30-Jan-97	47	24.0	7.6	672	8.2	NONE	
LWSB-0317	LC02.9TW01	13-Feb-97	31	22.3	7.5	721	6.7	NONE	
LWSB-0350	LC02.9TW01	27-Feb-97	23	26.4	7.6	646	7.2	NONE	
LWSB-0374	LC02.9TW01	13-Mar-97	38	26.6	7.8	632	7.0	NONE	
LWSB-0396	LC02.9TW01	27-Mar-97	52	29.7	7.8	680	8.2	NONE	
--	LC02.9TW01	10-Apr-97	--	--	--	--	--	DRY	
LWSB-0436	LC02.9TW01	24-Apr-97	61	29.3	8.0	668	9.3	NONE	
LWSB-0458	LC02.9TW01	08-May-97	34	28.8	7.5	660	7.8	NONE	
LWSB-0482	LC02.9TW01	22-May-97	19	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0503	LC02.9TW01	05-Jun-97	25	21.9	7.3	886	9.4	LIGHT	
LWSB-0524	LC02.9TW01	19-Jun-97	22	31.5	7.6	653	8.7	LIGHT	
LWSB-0552	LC02.9TW01	03-Jul-97	9	32.8	7.4	707	9.3	NONE	
LWSB-0572	LC02.9TW01	17-Jul-97	12	--	--	--	--	MEDIUM	HYDRO LAB UNAVAILABLE
LWSB-0600	LC02.9TW01	31-Jul-97	22	30.1	7.4	253	3.9	MEDIUM	
LWSB-0624	LC02.9TW01	14-Aug-97	38	28.2	7.2	571	3.7	LIGHT	
LWSB-0648	LC02.9TW01	27-Aug-97	35	30.4	7.0	782	5.7	LIGHT	
LWSB-0672	LC02.9TW01	11-Sep-97	27	28.9	7.0	647	3.7	LIGHT	
LWSB-0696	LC02.9TW01	26-Sep-97	35	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE
LWSB-0721	LC02.9TW01	09-Oct-97	19	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0745	LC02.9TW01	23-Oct-97	27	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE

FEEDER CANAL BASIN WATER QUALITY SURVEY MONITORING RESULTS

SAMPLE NUMBER	MONITORING STATION	DATE	TP (pbb)	TEMP (C)	pH	COND (mS/cm)	DO (mg/l)	OBSERVED FLOW	COMMENTS
--	LC03.0TN	26-Jun-96	--	--	--	--	--	--	NO ACCESS (SITE NAME CHANGE FROM LC03.0TW)
--	LC03.0TN	10-Jul-96	--	--	--	--	--	--	NO ACCESS
--	LC03.0TN	25-Jul-96	--	--	--	--	--	--	NO ACCESS
--	LC03.0TN	08-Aug-96	--	--	--	--	--	--	NO ACCESS
LWSB-0065	LC03.0TN	22-Aug-96	82	28.8	7.3	661	5.2	LIGHT	SAMPLING INITIATED
--	LC03.0TN	05-Sep-96	--	--	--	--	--	--	NO ACCESS
LWSB-0100	LC03.0TN	19-Sep-96	77	29.6	7.1	577	3.5	HEAVY	
LWSB-0132	LC03.0TN	03-Oct-96	138	29.9	7.5	690	8.5	LIGHT	
LWSB-0152	LC03.0TN	17-Oct-96	110	26.4	6.9	600	1.4	HEAVY	
LWSB-0171	LC03.0TN	31-Oct-96	68	27.9	7.2	725	5.7	LIGHT	
LWSB-0191	LC03.0TN	14-Nov-96	40	--	--	--	--	HEAVY	HYDRO LAB UNAVAILABLE
LWSB-0211	LC03.0TN	26-Nov-96	30	22.5	7.5	1	5.1	HEAVY	
LWSB-0232	LC03.0TN	12-Dec-96	37	19.5	7.6	806	6.4	LIGHT	
LWSB-0255	LC03.0TN	31-Dec-96	29	22.9	7.7	777	6.9	NONE	
LWSB-0275	LC03.0TN	16-Jan-97	19	24.0	7.5	762	6.9	LIGHT	
LWSB-0301	LC03.0TN	30-Jan-97	40	24.3	7.6	773	7.5	NONE	
LWSB-0319	LC03.0TN	13-Feb-97	36	23.2	7.4	765	5.5	LIGHT	
LWSB-0348	LC03.0TN	27-Feb-97	26	25.8	7.4	757	5.2	LIGHT	
LWSB-0372	LC03.0TN	13-Mar-97	36	26.0	7.6	735	5.8	LIGHT	
LWSB-0394	LC03.0TN	27-Mar-97	25	31.4	7.6	672	6.4	LIGHT	
LWSB-0415	LC03.0TN	10-Apr-97	34	27.1	7.5	641	5.6	LIGHT	
LWSB-0434	LC03.0TN	24-Apr-97	28	27.8	7.5	606	6.1	LIGHT	
LWSB-0456	LC03.0TN	08-May-97	28	28.8	7.4	621	4.8	LIGHT	
LWSB-0480	LC03.0TN	22-May-97	43	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0505	LC03.0TN	05-Jun-97	60	23.1	7.2	515	5.5	MEDIUM	
LWSB-0526	LC03.0TN	19-Jun-97	60	31.6	7.1	749	2.4	LIGHT	
LWSB-0554	LC03.0TN	03-Jul-97	54	31.6	7.4	725	3.2	LIGHT	
LWSB-0574	LC03.0TN	17-Jul-97	64	--	--	--	--	MEDIUM	HYDRO LAB UNAVAILABLE
LWSB-0602	LC03.0TN	31-Jul-97	45	30.3	7.1	552	1.1	MEDIUM	
LWSB-0626	LC03.0TN	14-Aug-97	49	31.1	7.1	607	1.2	LIGHT	
LWSB-0650	LC03.0TN	27-Aug-97	67	30.0	6.9	666	1.8	LIGHT	
LWSB-0674	LC03.0TN	11-Sep-97	47	27.9	7.1	688	2.0	LIGHT	
LWSB-0698	LC03.0TN	26-Sep-97	57	--	--	--	--	MEDIUM	HYDRO LAB UNAVAILABLE
LWSB-0723	LC03.0TN	09-Oct-97	39	--	--	--	--	MEDIUM	HYDRO LAB UNAVAILABLE
LWSB-0747	LC03.0TN	23-Oct-97	85	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE

FEEDER CANAL BASIN WATER QUALITY SURVEY MONITORING RESULTS

SAMPLE NUMBER	MONITORING STATION	DATE	TP (ppb)	TEMP (C)	pH	COND (mS/cm)	DO (mg/l)	OBSERVED FLOW	COMMENTS
--	LC03.0TN01	26-Jun-96	--	--	--	--	--	--	NO ACCESS (SITE NAME CHANGE FROM LC04.8TW)
--	LC03.0TN01	10-Jul-96	--	--	--	--	--	--	NO ACCESS
LWSB-0045	LC03.0TN01	25-Jul-96	146	31.7	7.2	747	5.2	MEDIUM	SAMPLING INITIATED
LWSB-0061	LC03.0TN01	08-Aug-96	91	33.8	7.6	706	10.4	MEDIUM	
LWSB-0064	LC03.0TN01	22-Aug-96	81	28.1	7.2	700	4.7	MEDIUM/HEAVY	
LWSB-0093	LC03.0TN01	05-Sep-96	43	34.6	7.5	683	8.5	MEDIUM/HEAVY	
LWSB-0104	LC03.0TN01	19-Sep-96	103	30.8	7.1	538	4.2	HEAVY	
LWSB-0133	LC03.0TN01	03-Oct-96	132	30.3	7.4	688	7.6	MEDIUM	
LWSB-0153	LC03.0TN01	17-Oct-96	131	25.9	7.0	589	2.4	HEAVY	
LWSB-0172	LC03.0TN01	31-Oct-96	44	28.0	7.2	739	4.9	LIGHT	
LWSB-0192	LC03.0TN01	14-Nov-96	42	--	--	--	--	HEAVY	HYDRO LAB UNAVAILABLE
LWSB-0212	LC03.0TN01	26-Nov-96	29	22.4	7.6	829	5.9	MEDIUM	
LWSB-0231	LC03.0TN01	12-Dec-96	39	19.3	7.8	788	7.0	LIGHT	
LWSB-0254	LC03.0TN01	31-Dec-96	36	25.1	7.8	795	7.9	NONE	
LWSB-0274	LC03.0TN01	16-Jan-97	23	24.1	7.6	795	7.4	LIGHT	
LWSB-0300	LC03.0TN01	30-Jan-97	97	24.6	7.7	799	7.7	NONE	
LWSB-0318	LC03.0TN01	13-Feb-97	58	22.2	7.4	740	5.2	LIGHT	
LWSB-0349	LC03.0TN01	27-Feb-97	52	25.0	7.6	704	5.8	LIGHT	
LWSB-0373	LC03.0TN01	13-Mar-97	46	25.7	7.8	633	6.2	LIGHT	
LWSB-0395	LC03.0TN01	27-Mar-97	56	31.2	7.8	606	7.3	LIGHT	
LWSB-0416	LC03.0TN01	10-Apr-97	65	26.2	7.6	589	6.7	NONE	
LWSB-0435	LC03.0TN01	24-Apr-97	38	27.7	7.5	671	6.9	LIGHT	
LWSB-0457	LC03.0TN01	08-May-97	38	27.7	7.4	665	5.5	LIGHT	
LWSB-0481	LC03.0TN01	22-May-97	61	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0504	LC03.0TN01	05-Jun-97	55	23.5	7.3	507	7.4	MEDIUM	
LWSB-0525	LC03.0TN01	19-Jun-97	61	32.7	7.2	768	3.1	LIGHT	
LWSB-0553	LC03.0TN01	03-Jul-97	46	31.3	7.3	671	3.2	LIGHT	
LWSB-0573	LC03.0TN01	17-Jul-97	75	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0601	LC03.0TN01	31-Jul-97	72	34.2	7.2	476	4.8	MEDIUM	
LWSB-0625	LC03.0TN01	14-Aug-97	46	35.6	7.3	524	4.6	LIGHT	
LWSB-0649	LC03.0TN01	27-Aug-97	75	32.6	6.9	608.0	3.1	LIGHT	
LWSB-0673	LC03.0TN01	11-Sep-97	48	29.2	7.1	687	3.7	LIGHT	
LWSB-0697	LC03.0TN01	26-Sep-97	47	--	--	--	--	LIGHT	HYDRO LAB UNAVAILABLE
LWSB-0722	LC03.0TN01	09-Oct-97	55	--	--	--	--	MEDIUM	HYDRO LAB UNAVAILABLE
LWSB-0746	LC03.0TN01	23-Oct-97	73	--	--	--	--	NONE	HYDRO LAB UNAVAILABLE

CODE KEY

--	**no measurement, see "Comments" column**
*	**value flagged by lab for QAQC**
Lab Error	**notified that due to lab error, no data was obtained, sample discarded.**

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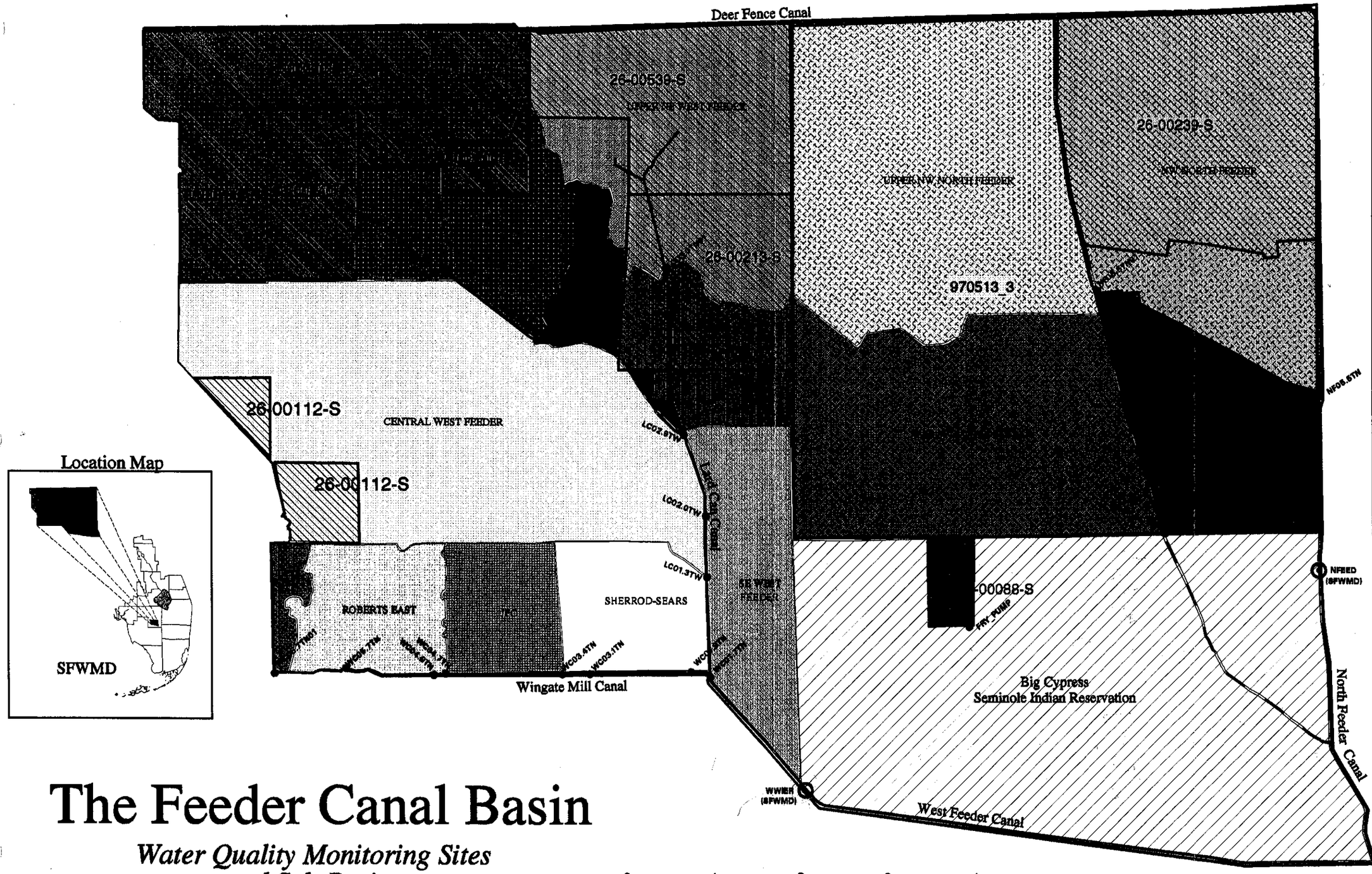
APPENDIX B

Overlay of
SFWMD Surface Water Management Permits
on the
Feeder Canal Basin hydrologic sub-basins

Figure 9



The Feeder Canal Basin

Water Quality Monitoring Sites and Sub-Basins

This map is in the State Plane Coordinate System using the 1927 North American Datum.
The map was created on the 15th day of May, 1997, by the SFWMD's Regulation Department mapping group.