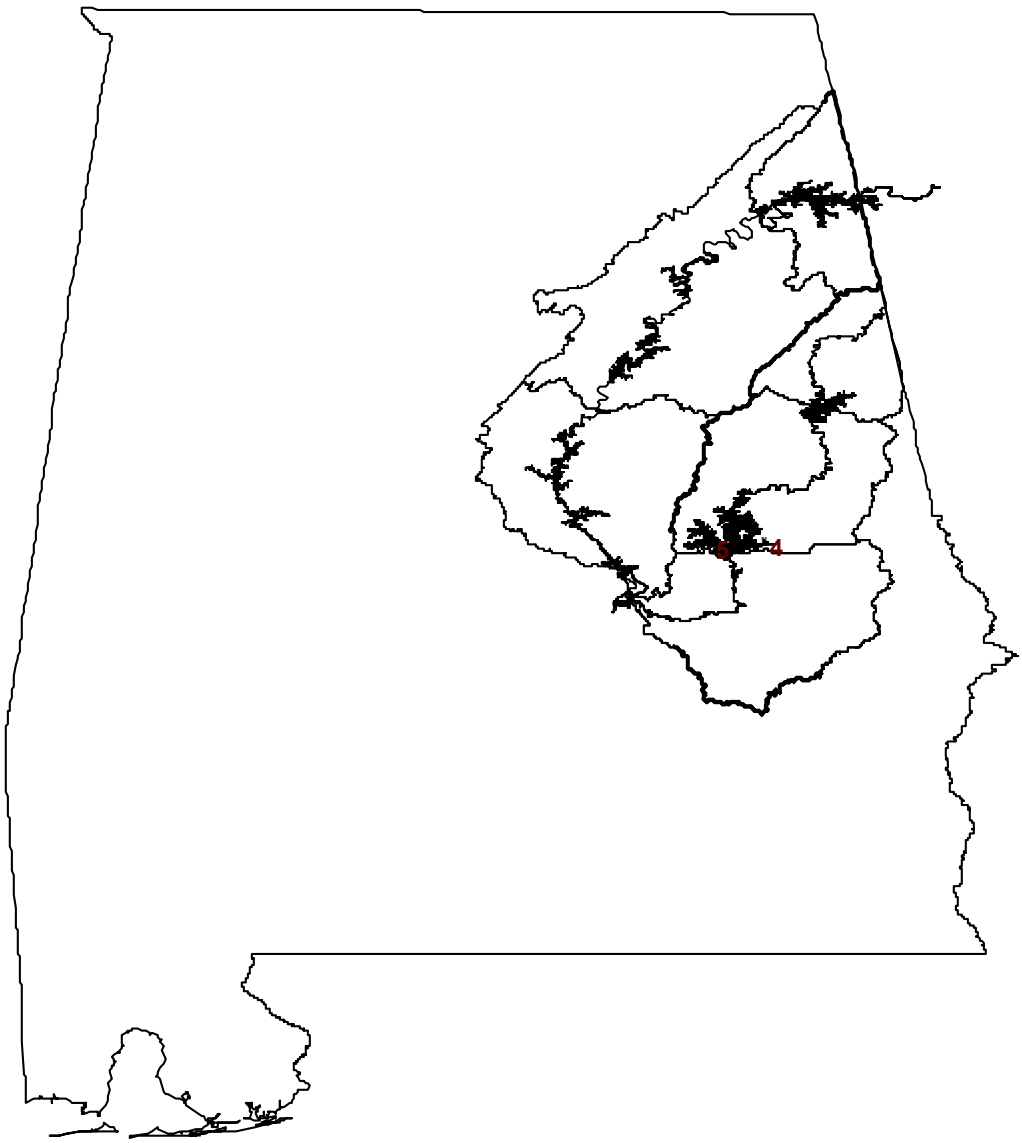
Intensive Water Quality Survey of Coosa and Tallapoosa River Reservoirs 1997



Environmental Indicators Section
Field Operations Division
Alabama Department of Environmental Management

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March 24, 1999

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Preface

This project was funded or partially funded by the Alabama Department of Environmental Management utilizing a Clean Water Act Section 106 provided by the U.S. Environmental Protection Agency - Region 4.

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INTRODUCTION

ADEM Reservoir Water Quality Monitoring Program

Section 314(a)(1) of the Water Quality Act of 1987 requires states to conduct assessments of the water quality of publicly-owned lakes and report the findings as part of their biennial 305(b) Water Quality Report To Congress. Prior to 1997, funding for the assessments was provided by Lake Water Quality Assessment (LWQA) grants administered through the Clean Lakes Program of the United States Environmental Protection Agency (EPA). Submittal to the EPA of approved lakes assessment information from states ensured continued eligibility for financial assistance under the Clean Lakes Program. With the discontinuance of Clean Lakes Program funding, water quality assessments are currently conducted using funding from a variety of sources, including Clean Water Act Section 319 funds.

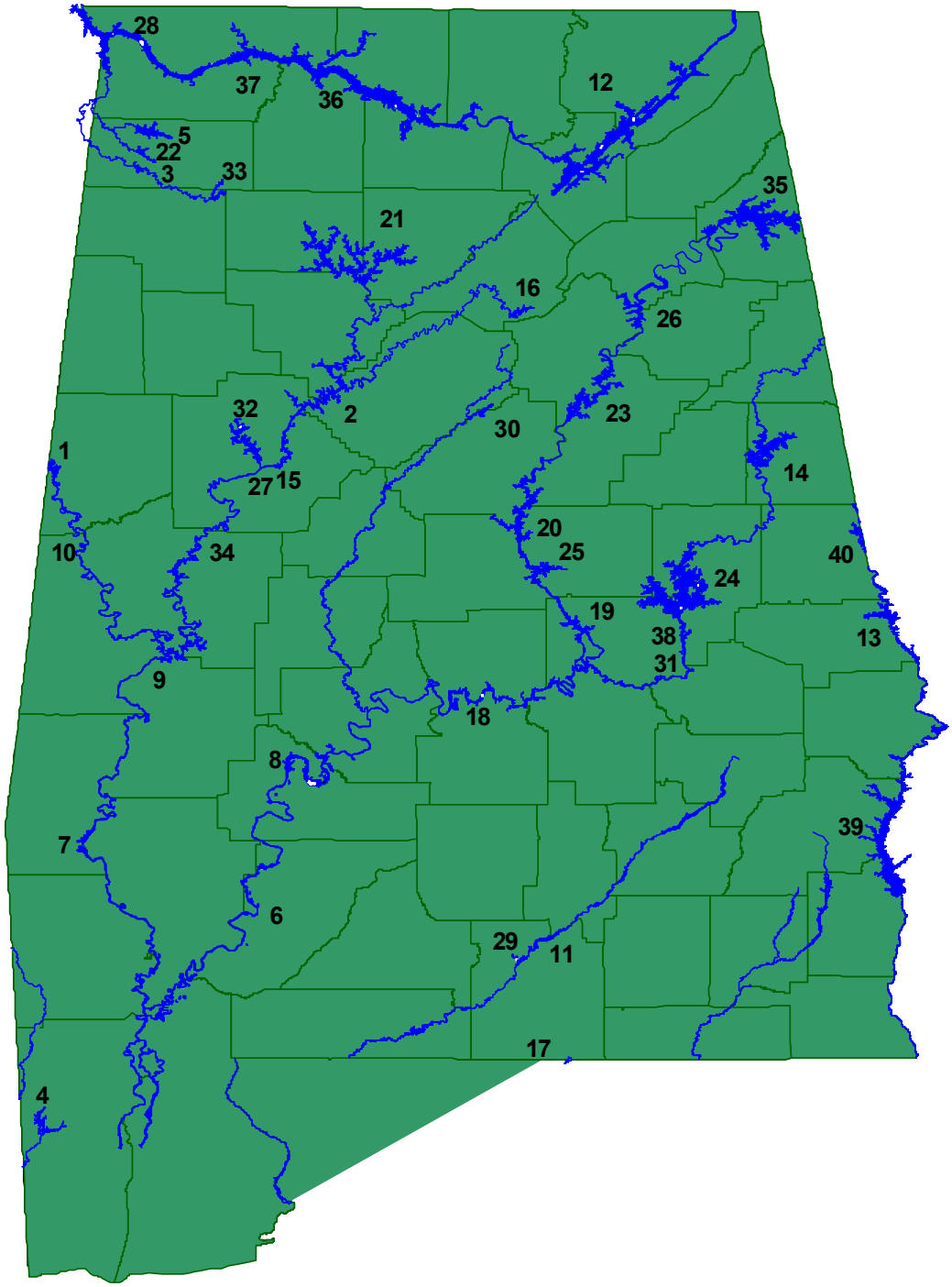
The Alabama Department of Environmental Management (ADEM) has defined publicly-owned lakes/reservoirs as those that are of a multiple-use nature, publicly-accessible, and exhibit physical/chemical characteristics typical of impounded waters. Lakes designated strictly for water supply, privately owned lakes, or lakes managed by the Alabama Department of Conservation and Natural Resources (ADCNR) strictly for fish production are not included in this definition. Lakes meeting the above definition are listed in Figure 1.

In 1985, the need for information on the trophic state of Alabama's publicly-owned lakes led to an initial survey conducted by ADEM with the assistance of the Environmental Protection Agency (EPA), Region IV. The survey established limited baseline information on the lakes and was used to rank them according to trophic condition.

In 1989, LWQA funds enabled the ADEM to conduct required water quality assessments of thirty-four publicly-owned lakes in the state and submit the collected information as part of the 1990 305(b) Water Quality Report to Congress (ADEM 1989). Trophic state index (TSI) values calculated from data gathered for the water quality

Figure 1.

Alabama Publicly Accessible Reservoirs



1) Aliceville
2) Bankhead
3) Bear Creek
4) Big Creek
5) Cedar Creek
6) Claiborne
7) Coffeeville
8) Dannelly
9) Demopolis
10) Gainesville
11) Gantt
12) Guntersville
13) Harding
14) Harris
15) Holt
16) Inland
17) Jackson
18) Jones Bluff
19) Jordan
20) Lay
21) Lewis Smith
22) Little Bear Creek
23) Logan-Martin
24) Martin
25) Mitchell
26) Neely Henry
27) Oliver
28) Pickwick
29) Point A
30) Purdy
31) Thurlow
32) Tuscaloosa
33) Upper Bear Creek
34) Warrior
35) Weiss
36) Wheeler
37) Wilson
38) Yates
39) W. F. George
40) West Point

assessments indicated potentially significant increases when compared to TSI values from the study conducted in 1985.

In 1990, the Reservoir Water Quality Monitoring (RWQM) Program was initiated by the Special Studies Section of the Field Operations Division of ADEM. Objectives of the program are as follows:

a) to develop an adequate water quality database for all publicly-owned lakes in the state;

b) to establish trends in lake trophic status that can only be established through long-term monitoring efforts; and,

c) to satisfy the requirement of Section 314(a)(1) of the Water Quality Act of 1987 that states conduct assessments of the water quality of publicly-owned lakes and report the findings as part of their biennial Water Quality Report to Congress.

Acquiring this information enables the ADEM to determine lake water quality and identify those in which water quality may be deteriorating. Should a deterioration in lake water quality be indicated by collected data, more intensive study of the lake can be instituted to establish causes and extent of the deterioration.

Thirty-one publicly-owned lakes in the state were monitored at least once during the three-year period 1990-1992. In 1991, additional funding received through the Clean Lakes Program enabled the expansion of the RWQM Program to include all of the 31 publicly-owned lakes in the state, with the exception of those in the Tennessee River system. Expansion of the program allowed more extensive monitoring of certain lakes for which water quality concerns were greatest and the inclusion of Alabama/Georgia border lakes that were not included in earlier water quality assessments.

Beginning in 1994, the frequency of reservoir monitoring in the RWQM Program was increased to a minimum of once every two years so that the water quality database

and trends in trophic status could be developed more rapidly. Lakes indicated to be use-threatened or impaired from previously collected data continued to be monitored annually. Realignment of the reservoir sampling schedule was also begun in 1994 so that reservoir sampling by basin could be instituted by 1996.

Water diversion activities have been proposed in both the Coosa and Tallapoosa watersheds in Georgia (Nolton Johnson, Georgia Environmental Protection Division). Construction of water supply reservoirs has commenced (personal communication, Dr. David Bayne) and water diversion may begin before scheduled watershed monitoring of the Coosa and Tallapoosa River basins in the year 2000. Water diversion will reduce flows within both basins and could, depending upon the allocation plan selected, result in negative impacts to downstream water quality. Therefore, intensive monitoring of reservoirs of the Coosa and Tallapoosa River basins was proposed for 1996 to gather pre-diversion water quality data that could be used for comparisons with post-diversion data. Spring season sampling of various reservoirs previously conducted in the RWQM Program was discontinued to allow allocation of resources toward this effort. However, intensive monitoring of Coosa and Tallapoosa reservoirs was not conducted during 1996 because of conflicting water quality study requirements. In 1997, intensive monitoring of reservoirs of the Coosa and Tallapoosa basins was conducted. Spring season sampling of various reservoirs previously conducted in the RWQM Program was again discontinued to allow allocation of resources toward this effort.

MATERIALS AND METHODS

Sampling Locations. Reservoirs sampled during 1997 appear in Table 1. Locations of sampling sites appear in Table 2. All reservoirs were sampled in the dam forebay. Multiple sites were sampled on larger reservoirs. Water quality measurements and water sample collections were conducted from boats positioned at the deepest point of the channel at each sampling site.

Sample Collection. Intensive monitoring of reservoirs consisted of monthly sampling of all stations from April through October in the Coosa basin and from April through September in the Tallapoosa basin. Reservoirs within each basin were sampled within a one-week period to reduce weather-related variability in water quality conditions.

Monitoring and analyses were conducted in accordance with appropriate standard operating procedures. Water quality variables measured during 1997 appear in Table 3.

At each sampling site temperature, dissolved oxygen, specific conductance, and pH were measured in situ at multiple depths in the water column with Hydrolab Surveyor III instruments.

A standard, 20 cm diameter Secchi disk with attenuating black and white quadrants was used to measure visibility. Photic zone depth determinations were made by measuring the vertical illumination of the water column using an underwater photometer. The depth at which one percent of the surface illumination was measured by the photometer was considered the photic zone depth. A composite water sample of twenty liters was collected from the photic zone. The sample was collected by raising and lowering a plastic submersible pump and hose apparatus repeatedly through the photic zone while collecting the sample in a plastic container. Withdrawal of individual samples from the composite water sample occurred in the order presented in the following paragraphs.

Chlorophyll *a* samples were collected by filtering a minimum of 500 ml of the composite photic zone sample through glass fiber filters immediately after collection of

Table 1. Reservoirs sampled during the Intensive Water Quality Survey of Coosa and Tallapoosa River Reservoirs, 1997.

River Basin	Reservoir	Surface Area (acres)	Drainage Area (sq. miles)
Coosa			
	Weiss	30,200	5,270
	Neely-Henry	11,235	6,600
	Logan-Martin	15,260	7,700
	Lay	12,000	9,087
	Mitchell	5,850	9,827
	Jordan	6,800	10,165
Tallapoosa			
	Harris	10,660	1,453
	Martin	39,000	3,000
	Yates	1,980	3,250
	Thurlow	585	3,300

Table 2. Monitoring sites for the Intensive Water Quality Survey of Coosa and Tallapoosa River Reservoirs, 1997.

Basin	Reservoir	Site	Latitude/ Longitude	County	Section, Township, Range	Station Description
Coosa						
	Weiss	Sta. 1	34 10 24 85 45 17	Cherokee	SW 1/4, Sec 12, T10S, R8E	Deepest point, main river channel, power dam forebay.
		Sta. 2	34 12 54 85 36 38	Cherokee	NW 1/4, Sec 32, T9S, R10E	Deepest point, main river channel, immediately upstream of causeway at Cedar Bluff.
		Sta. 3	34 12 38 85 32 52	Cherokee	SE 1/4, Sec 35, T9S, R10E	Deepest point, main river channel, at power line crossing upstream of Spring Creek.
		Sta. 4	34 10 45 85 29 04	Cherokee	SW 1/4, Sec 09, T10S, R11E	Deepest point, main river channel, immediately upstream of Mud Creek / Coosa River confluence.
	Neely-Henry	Sta. 1	33 47 05 86 03 14	Calhoun	SW 1/4, Sec 30, T14S, R6E	Deepest point, main river channel, dam forebay.
		Sta. 2	33 59 28 85 59 57	Etowah	NW 1/4, Sec 15, T12S, R6E	Deepest point, main river channel, immediately upstream of I-759 highway bridge.
		Sta. 3	33 56 36 86 01 30	Etowah	SE 1/4, Sec 32, T12S, R6E	Deepest point, main river channel, immediately upstream of Alabama Highway 77 bridge.
		Sta. 4	33 56 17 85 57 09	Etowah	Sec 6, T13S, R6E	Deepest point of main channel, immediately upstream of Whorton's Bend.
	Logan-Martin	Sta. 1	33 25 39 86 20 00	Talladega	NW 1/4, Sec 33, T18S, R3E	Deepest point, main river channel, dam forebay .
		Sta. 2	33 35 39 86 12 50	Talladega	SW 1/4, Sec 34, T16S, R4E	Deepest point, main river channel. Downstream of I-20 bridge, immediately upstream of Riverside Marina.
		Sta. 3	33 30 00 86 13 51	Talladega	NW 1/4, Sec 4, T18S, R4E	Deepest point, main river channel. Approximately 1.5 miles downstream of Alabama Highway 34 bridge.
	Lay	Sta. 1	32 58 05 86 31 01	Coosa	NW 1/4, Sec 19, T23N, R15E	Deepest point, main river channel, dam forebay .
		Sta. 2	33 13 13 86 27 55	Talladega	NW 1/4, Sec 08, T21S, R2E	Deepest point, main river channel, upstream of Bullock's Islands.
		Sta. 3	33 06 35 86 29 25	Shelby	NE 1/4, Sec 24, T21S, R2E	Mid-channel, immediately downstream of Peckerwood Creek / Coosa River confluence.

Table 2. Monitoring sites for the Intensive Water Quality Survey of Coosa and Tallapoosa River Reservoirs, 1997.

Basin	Reservoir	Site	Latitude/ Longitude	County	Section, Township, Range	Station Description
Tallapoosa	Mitchell	Sta. 1	32 48 23 86 26 42	Coosa	NE 1/4, Sec 14, T21N, R16E	Deepest point, main river channel, dam forebay .
		Sta. 2	32 53 55 86 29 17	Coosa	NE 1/4, Sec 08, T22N, R16E	Deepest point, main river channel, downstream of Foshee Islands.
	Jordan	Sta. 1	32 37 20 86 15 41	Elmore	SW 1/4, Sec 15, T19N, R18E	Deepest point, main river channel, dam forebay .
		Sta. 2	32 40 33 86 19 47	Elmore	SE 1/4, Sec 35, T20N, R17E	Deepest point, main river channel, upstream of Weoka Creek / Coosa River confluence.
	Harris	Sta. 1	33 15 37 85 37 02	Randolph	NW 1/4, Sec 28, T20S, R10E	Deepest point, main river channel, dam forebay .
		Sta. 2	33 18 44 85 34 27	Randolph	NW 1/4, Sec 2, T20S, R10E	Deepest point, main river channel, immediately upstream of Tallapoosa River / Little Tallapoosa River confluence .
		Sta. 3	33 24 27 85 35 33	Randolph	SW 1/4, Sec 34, T18S, R10E	Deepest point, Tallapoosa main river channel, immediately downstream of Randolph County Hwy 82 bridge.
		Sta. 4	33 20 54 85 35 12	Randolph	NE 1/4, Sec 25, T19S, R10E	Deepest point, Little Tallapoosa main river channel, immediately downstream of Randolph County Hwy 29.
	Martin	Sta. 1	32 40 53 85 54 42	Elmore	SE 1/4, Sec 25, T20N, R21E	Deepest point, main river channel, dam forebay .
		Sta. 2	32 44 00 85 53 02	Tallapoosa	NW 1/4, Sec 8, T20N, R22E	Deepest point, main river channel, at confluence of Blue Creek and Tallapoosa River.
		Sta. 3	32 44 34 85 57 47	Elmore	SW 1/4, Sec 4, T20N, R21E	Deepest point, main creek channel, immediately upstream of Alabama Highway 63 (Kowaliga) bridge.
		Sta. 4	32 51 45 85 54 10	Tallapoosa	SW 1/4, Sec 30, T22N, R22E	Deepest point, main river channel, upstream of Wind Creek State Park.
	Yates	Sta. 1	32 34 30 85 53 22	Elmore	SE 1/4, Sec 18, T18N, R22E	Deepest point, main river channel, dam forebay .
		Sta. 2	32 36 43 85 52 37	Tallapoosa	SW 1/4, Sec 20, T19N, R22E	Deepest point, main creek channel, Sougahatchee Creek embayment. Approximately 1.6 miles upstream from the Tallapoosa River confluence
	Thurlow	Sta. 1	32 32 10 85 53 20	Elmore	SE 1/4, Sec 18, T18N, R22E	Deepest point, main river channel, dam forebay .

Table 3. Water quality variables measured during the Intensive Water Quality Survey of Coosa and Tallapoosa River Reservoirs, 1997.

Variable	Method	Reference	Detection Limit
Physical			
Vertical illumination	Photometer, Secchi disk	Lind, 1979	---
Temperature	Thermistor	APHA et al. 1992	---
Turbidity	Nephelometer	APHA et al. 1992	---
Total dissolved solids	Filtration, drying	EPA-600/4-79-020	1 mg/l
Total suspended solids	Filtration, drying	EPA-600/4-79-020	1 mg/l
Specific conductance	Wheatstone bridge	APHA et al. 1992	---
Hardness	Titrametric, EDTA	EPA-600/4-79-020	1 mg/l
Alkalinity	Potentiometric titration	EPA-600/4-79-020	1 mg/l
Chemical			
Dissolved oxygen	Membrane electrode	APHA et al. 1992	---
pH	Glass electrode	APHA et al. 1992	---
Ammonia	Automated phenate	EPA-600/4-79-020	0.015 mg/l
Nitrate + Nitrite	Cadmium reduction	EPA-600/4-79-020	0.003 mg/l
Total Kjeldahl Nitrogen	Automated colorimetric	EPA-600/4-79-020	0.15 mg/l
Soluble reactive phosphorus	Automated single reagent	EPA-600/4-79-020	0.004 mg/l
Total phosphorus	Persulfate digestion	EPA-600/4-79-020	0.004 mg/l
Total organic carbon	Persulfate-ultraviolet	EPA-600/4-79-020	0.50 mg/l
Biological			
Chlorophyll a	Spectrophotometeric	APHA et al. 1992	0.1 mg/l
Fecal coliform	Membrane filter	APHA et al. 1992	---

the composite sample. Immediately after filtering, each filter was folded once and placed in a 50 mm petri dish. Each petri dish was wrapped in aluminum foil, sealed in a ziploc bag, and placed on ice for shipment to the Field Operations Division to be frozen until analyzed. Corrected chlorophyll *a* concentrations were used in calculating Carlson's trophic state index (TSI) for lakes. A more detailed discussion of Carlson's TSI appears later in this section.

Soluble reactive phosphorus (formerly termed orthophosphate) samples were collected by vacuum-filtering 200 ml of the composite sample through 0.45 micron Millipore membrane filters and collecting the filtrate in acid-washed 250 ml Nalgene containers.

Finally, two half-gallon portions of the composite sample were collected in plastic containers and properly preserved for laboratory analysis of water quality variables. Subsurface grab samples were collected in properly prepared containers at each sampling site for fecal coliform analysis.

During August, samples for Algal Growth Potential Tests (AGPT) were collected from the composite photic zone sample by filling a properly prepared plastic container and preserving on ice. A more detailed discussion of AGPT appears later in this section.

All samples were preserved, stored, and transported according to procedures in the ADEM Field Operations Division Standard Operating Procedures and Quality Control Assurance Manual Volume I Physical/Chemical (1992).

Quality Control / Quality Assurance. For quality control/quality assurance purposes, field duplicates of each sample type were collected at ten percent of the sampling sites. Field duplicates were true duplicates of the complete collection process. Blanks were collected at the same frequency as duplicates by processing distilled water through the collection and filtration equipment in the same manner as regular samples. Measurements of water temperature, dissolved oxygen, specific conductance, and pH were replicated at sampling sites where duplicate samples were collected.

Trophic State Index. Corrected chlorophyll *a* concentrations were used in calculating Carlson's trophic state index (TSI) for lakes (Carlson 1977). Carlson's TSI provides limnologists and the public with a single number that serves as an indicator of a lake's trophic status. Corrected chlorophyll *a* is the parameter used in the RWQM

Program to calculate TSI because it is considered to give the best estimate of the biotic response of lakes to nutrient enrichment when algae is the dominant plant community. The trophic state classification scale used is as follows:

Oligotrophic: TSI < 40

Mesotrophic: TSI 40 - 49

Eutrophic: TSI 50 - 69

Hypereutrophic: TSI ≥ 70

Algal Growth Potential Tests. The Algal Growth Potential Test (AGPT) determines the total quantity of algal biomass supportable by the test waters and provides a reliable estimate of the bioavailable and limiting nutrients (Raschke and Schultz 1987). In control samples, maximum algal standing crop (MSC) dry weights below 5.0 mg/l are thought to assure protection from nuisance algal blooms and fish-kills in southeastern lakes, with the exception of lakes in Florida (Raschke and Schultz 1987). In most freshwater lakes, phosphorus is the essential plant nutrient that limits growth and productivity of plankton algae (Wetzel 1983). Nitrogen usually becomes the limiting nutrient when bioavailable phosphorus increases relative to nitrogen, as in the case of waters receiving quantities of treated municipal waste (Raschke and Schultz 1987). The AGPT is helpful in identifying these common growth limiting nutrients.

RESULTS AND DISCUSSION

Data Selection. Material in this section is divided by basin and reservoir. Water quality data presented for further discussion consist of the following:

a) total nitrogen (TN) and total phosphorus (TP), used as indicators of nutrient content in the waterbody;
b) algal growth potential tests (AGPT), used as a determinant of the total quantity of algal biomass supportable by test waters and of the limiting nutrient;
c) corrected chlorophyll a (chl. a), used as an indicator of algal biomass;
d) Carlson Trophic State Index (TSI), calculated from corrected chlorophyll a concentrations as a means of trophic state classification of the reservoir ; and,
e) dissolved oxygen (DO) concentrations, used as a more direct indicator of water quality because severe depletion can damage aquatic vertebrate and macroinvertebrate communities and interfere with water supply and recreational uses;

These data were selected because of their relationship to the process of eutrophication and their interest to the regulatory and scientific communities that stems from this relationship. The process of eutrophication and the effects on water quality will be discussed more fully in following paragraphs. Topics not selected for further discussion in this report were done so in the interests of time, space, or data availability. However, all data collected during the intensive survey appear in the Appendix.

Graphs. Bar graphs consist of means of the variables for all months depicted in the line graphs. Bar graphs with multiple reservoirs and reservoir stations are illustrated from upstream to downstream as the graph is read from left to right. Line graphs for each reservoir depict the monthly changes in the variables. Unless otherwise specified, reservoir location is referred to in the legends of graphs as **upper**, for the upper portion of each reservoir; **mid**, for the middle portion of the reservoir; and **lower,** for the dam forebay of each reservoir.

Line graphs of DO concentrations consist of measurements conducted at a depth of five feet because ADEM Water Quality Criteria pertaining to reservoir waters require a DO concentration of 5.0 mg/l at this depth (ADEM 1997). Under extreme natural conditions such as drought the DO concentration may be as low as 4.0 mg/l.

Eutrophication. For those unfamiliar with the process of eutrophication, it may be useful to discuss the relationship of the topics to the process and how the process affects the water quality of lakes and reservoirs. Eutrophication is the process by which water bodies become more productive through increased input of nutrients, primarily nitrogen and phosphorus (Welch 1992). Normally, increased plant (algae and/or macrophyte) productivity and biomass are considered part of the eutrophication process though nutrients can increase without an increase in plant growth if available light in the water column is limited by high concentrations of suspended solids.

The classical trophic succession sequence that occurs in natural lakes is as follows:

Oligotrophy: nutrient-poor, biologically unproductive;
Mesotrophy: intermediate nutrient availability and productivity;
Eutrophy: nutrient-rich, highly productive;
Hypereutrophic: the extreme end of the eutrophic stage.

Depending on the nature of the watershed however, eutrophication of natural lakes may take thousands of years or they may never become eutrophic.

All waterbodies monitored during the intensive survey are reservoirs rather than natural lakes. Trophic succession in reservoirs does not occur in the classical form as in natural lakes. After filling of the reservoir basin, trophic upsurge occurs, resulting in high productivity of algae and fish. The trophic upsurge is fueled by nutrient inputs from the watershed, leaching of nutrients from the flooded soils of the basin, and decomposition of terrestrial vegetation and litter. Eventually a trophic depression takes place with a decline in the productivity of algae and fish as these initially available nutrient sources decline. In time, a less productive but more stable trophic state is established. The trophic state that the reservoir eventually settles into (oligotrophic, mesotrophic, or eutrophic) is determined by the combination of the natural fertility of the

watershed and the effects of the point and nonpoint sources of pollution within the watershed.

The concern about eutrophication from a water quality standpoint is more likely due to cultural eutrophication. Cultural eutrophication can be defined as eutrophication brought about by the increase of nutrient, soil, and /or organic matter loads to a lake or reservoir as a result of anthropogenic activities (EPA 1990). Activities that contribute to cultural eutrophication include wastewater treatment discharges, agricultural and silvicultural activities, residential and urban development, and road building. Increased eutrophication in a waterbody occurring over a period of 10 to 50 years usually indicates cultural eutrophication (Welch 1992).

The effects of cultural eutrophication to a reservoir that is highly productive, or eutrophic, can lead to hypereutrophic conditions. Hypereutrophic conditions are characterized by the following:

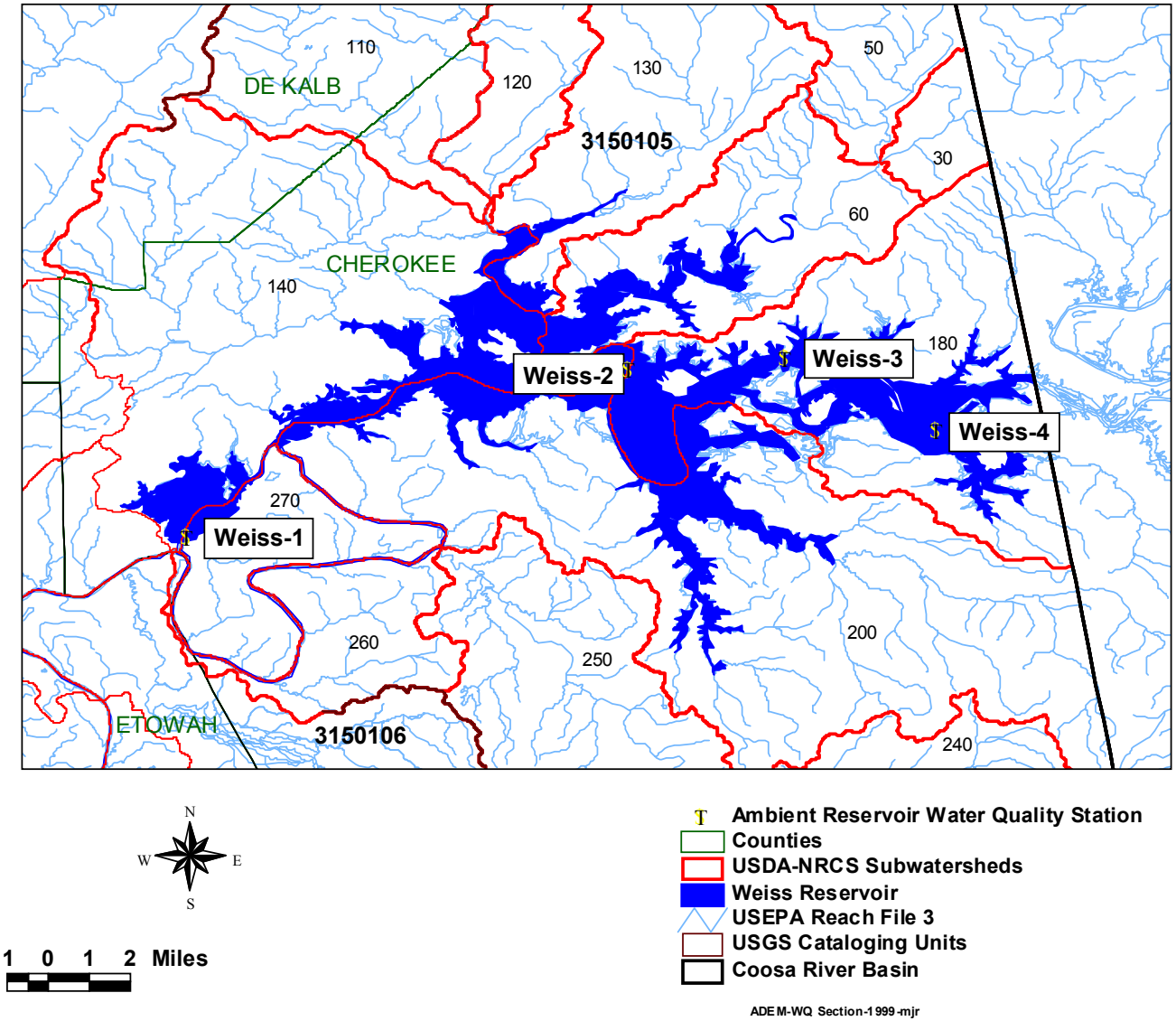
a) dense algal populations;
b) low dissolved oxygen concentrations;
c) increased likelihood of fish kills; and,
d) interference with public water supply and recreational uses.

Regardless of whether a reservoir is oligotrophic, mesotrophic, or eutrophic, however, cultural eutrophication negatively affects biological communities of these waterbodies through sedimentation and changes in water quality variables such as dissolved oxygen, pH, water temperature, and light availability.

I. COOSA RIVER RESERVOIRS

Figure I.1

Weiss Reservoir



Weiss Reservoir

Nitrogen. Mean TN concentrations in Weiss were, overall, the highest of all Coosa reservoirs (Fig. I.7). Mean concentrations in upper Weiss reservoir were above those of the mid and lower reservoir and second highest of all Coosa reservoir locations.

Generally, monthly TN concentrations increased at all Weiss locations from April through August and decreased afterward (Fig I.10). Highest monthly TN concentrations occurred in August.

Highest lake mean TN values occurred in August with lowest values in September (Fig. I.10). Lake mean TN concentrations (mean of all stations) generally increased from April through August while discharge decreased from May through September. Lake mean TN concentrations increased as did discharge during the reservoir drawdown period in October.

Phosphorus. Mean TP concentrations in upper Weiss Reservoir were highest of all Coosa reservoir locations (Fig. I.8). Values for mid Weiss were, along with upper Mitchell reservoir, the second highest of all Coosa reservoir locations. Mean TP values decreased from upstream to downstream locations in Weiss.

Monthly TP values at each station were lowest in June then increased overall from June through September with the upper station increasing through October (Fig. I.10).

Highest lake mean TP values (mean of all stations) occurred in May and September with lowest values occurring in June (Fig. I.10). Lake mean TP values followed the same pattern as lake mean discharge from April through June. From June through September, lake mean TP values increased overall while discharge decreased. TP values decreased once again with increasing discharge during the reservoir drawdown period in October.

Algal Growth Potential Tests. Nitrogen was indicated as the limiting nutrient at all locations of Weiss Reservoir during August 1997 (Table I.1). Mean MSC values for the upper, mid, and lower reservoir (25.54, 5.68, and 6.82 mg/l respectively) were well

above the maximum 5.0 mg/l level suggested to assure protection from nuisance algal blooms and fish-kills in southeastern lakes.

Chlorophyll a. Mean chlorophyll *a* concentrations in mid and lower Weiss Reservoir were second only to those of mid and lower Neely Henry and upper Logan Martin (Fig. I.9). Within the reservoir, the mean value for the upper station was well below those of downstream stations and was second lowest to Jordan Reservoir forebay.

Monthly chlorophyll *a* concentrations for the lower and mid reservoir stations increased from May to July then decreased through October (Fig. I.11). Values for the upper reservoir were variable month to month with concentrations dropping sharply in June.

The highest lake mean chlorophyll *a* concentrations (mean of all stations) occurred from July through September when lake mean discharge was lowest. The lake mean chlorophyll *a* concentration was highest in July and decreased afterward while discharge decreased from May through September (Fig. I.11). The mean chlorophyll *a* value continued to decline in October as discharge increased during the reservoir drawdown period.

Trophic state. Monthly TSI values for the mid and lower reservoir were well within the eutrophic range from April through June with values in July reaching hypereutrophic levels in the lower reservoir and highly eutrophic levels in the mid reservoir (Fig. I.11). TSI values declined from August through October but remained within the upper half of the eutrophic range. Values for the upper reservoir were near or within the lower half of the eutrophic range in all months with the exception of June when the TSI dropped into the oligotrophic range.

Dissolved oxygen/Temperature. Dissolved oxygen concentrations at all locations decreased from April through June then generally increased thereafter (Fig. I.11). DO concentrations were similar at all locations except during July and August. Concentrations were above the ADEM Water Criteria (1997) of 5.0 mg/l at all times.

Depth profiles of temperature and DO from the Weiss dam forebay indicated isothermal and isochemical conditions from April through June (Fig. I.12). Weak chemical stratification began to develop in July and persisted into September. Isochemical conditions were reestablished in October. Highest temperatures in the water

column occurred in July. Lowest overall DO concentrations in the water column occurred in August.

Discussion. Data collected during 1997 indicate that Weiss Reservoir locations are considerably higher in nutrients and algal biomass than most other Coosa River reservoir locations. TSI values derived from chlorophyll *a* concentrations indicated that Weiss reached hypereutrophic levels in the lower reservoir in July and were highly eutrophic at mid-reservoir.

Mean TN values were second only to those of lower Neely Henry Reservoir and mid Lay Reservoir. Mean TP values for Weiss were highest of all Coosa reservoirs, overall. The increase in mean TN and TP concentrations as lake discharge decreased indicates that point sources may be a considerable contributor to these values.

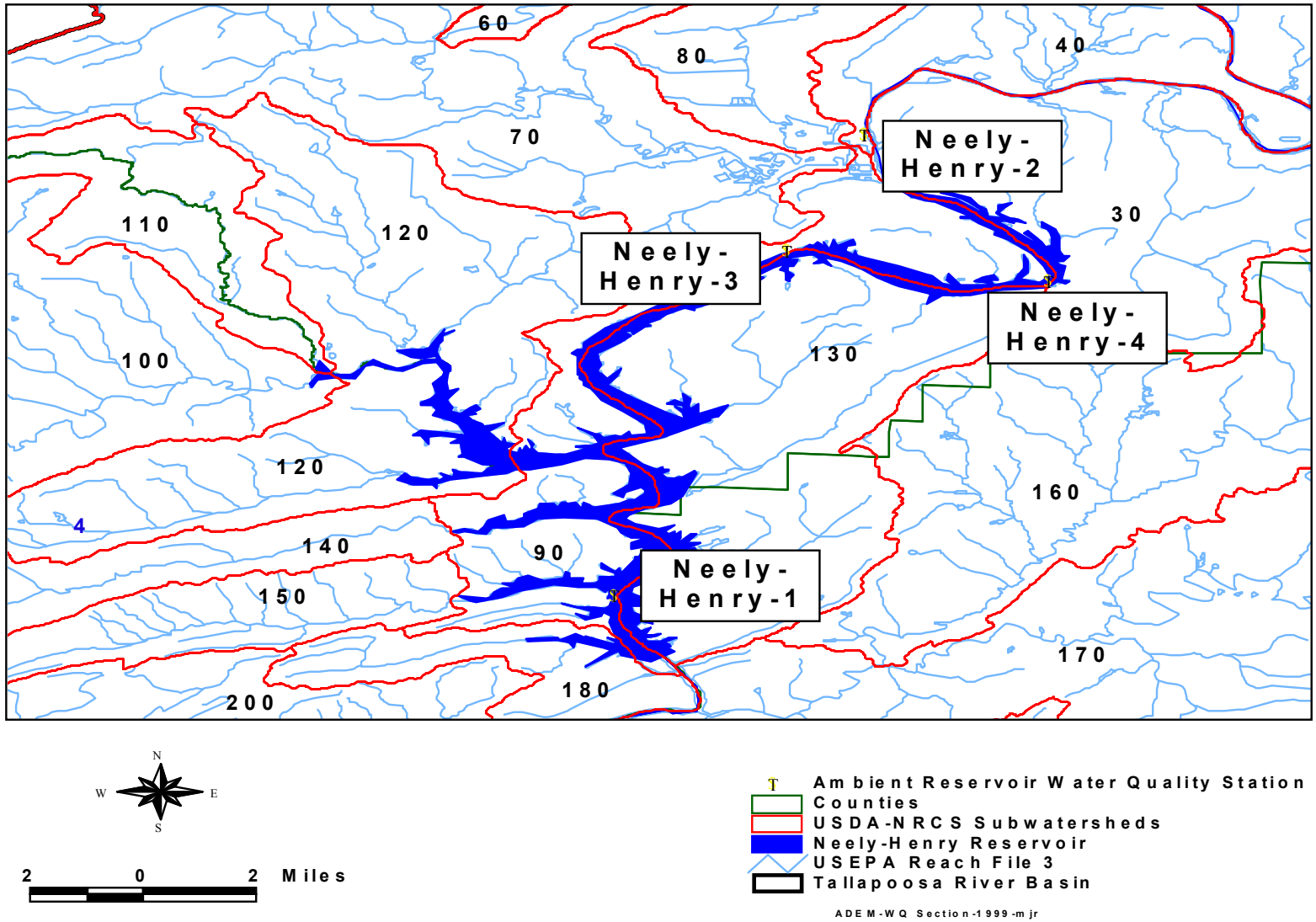
Algal growth potential tests confirmed the TP concentrations by indicating nitrogen to be the limiting nutrient at all locations. Mean MSC values for all locations were well above the 5.0 mg/l level suggested to assure protection from nuisance algal blooms and fish-kills in southeastern lakes.

Mean chlorophyll *a* concentrations for mid and lower Weiss were second only to those of Neely Henry Reservoir and upper Logan Martin Reservoir. Lake mean concentrations increased to highest levels as discharge decreased and reservoir retention time increased.

Dissolved oxygen concentrations remained above the criterion limit of 5.0 mg/l at all locations of Weiss during the months sampled. Weak chemical stratification developed in the dam forebay during July, August, and September though anoxic conditions never developed.

Figure I.2

Neely Henry Reservoir



Neely Henry Reservoir

Nitrogen. Mean TN concentrations for lower Neely Henry were second only to those of upper Weiss Reservoir and mid Lay Reservoir (Fig. I.7). Within the reservoir, mean TN concentrations for the upper and mid locations were below those of the lower reservoir.

Monthly TN values were variable with highest values at each reservoir location occurring in August (Fig. I.13).

Highest lake mean TN values (mean of all stations) occurred in August while lowest values occurred in April (Fig. I.13). Lake mean TN values followed much the same pattern as lake discharge for all months except August, when TN values were much higher as discharge declined.

Phosphorus. Mean TP concentrations of upper and mid Neely Henry were above those of lower Neely Henry Reservoir and similar to those of lower Weiss Reservoir (Fig. I.8).

Monthly TP concentrations varied similarly at all locations with highest concentrations occurring during May and September and lowest concentrations occurring in June (Fig. I.13).

Highest lake mean TP values (mean of all stations) occurred in April, May, and September with lowest TP values occurring in June (Fig. I.13). Lake mean TP values followed a pattern similar to lake discharge April-June. Lake mean TP values increased afterward through September as lake discharge declined. TP values decreased once again in October as discharge increased during the reservoir drawdown period.

Algal Growth Potential Tests. Nitrogen was indicated as the limiting nutrient at all locations of Neely Henry Reservoir during August 1997 (Table I.1). Mean MSC values for the upper reservoir (7.23 mg/l) were well above the maximum 5.0 mg/l level suggested to assure protection from nuisance algal blooms and fish-kills in southeastern lakes while those of the mid and lower reservoir (3.40 and 3.40) were below the 5.0 mg/l level.

Chlorophyll a. Mean chlorophyll *a* concentrations for mid and lower Neely Henry were the highest of all Coosa reservoir locations (Figs. I.9). Mean values for the

upper reservoir were below only those of locations in Weiss, Neely Henry, and Logan Martin Reservoirs.

Monthly chlorophyll *a* concentrations generally decreased at all locations from April through June (Fig. I.14). In the lower and mid reservoir locations, concentrations increased from their lowest point in June to the highest point in August and decreased afterward. Highest concentrations in the upper reservoir were reached in September then declined in October. With the exception of August, chlorophyll *a* concentrations were similar at all locations in the months studied.

Lake mean chlorophyll *a* concentrations (mean of all stations) decreased as lake discharge increased from April through June (Fig. I.14). From July through September the opposite was true with lake mean chlorophyll *a* concentrations increasing as lake discharge decreased and reservoir retention time increased. In October, mean concentrations decreased once again as lake discharge increased during the reservoir drawdown period.

Trophic state. TSI values for all locations of Neely Henry were within the upper half of the eutrophic range during April then declined into the lower half of the eutrophic range in May and June (Fig. I.14). In the lower and mid reservoir locations, TSI values increased from June through August, when hypereutrophic conditions were indicated. TSI values for the lower and mid reservoir declined in September and October but remained highly eutrophic. In the upper reservoir, TSI values increased from June to September, when highly eutrophic conditions occurred. TSI values in the upper reservoir decreased in October but remained well within the eutrophic range.

Dissolved oxygen/Temperature. DO concentrations at all locations decreased April-July when values for the upper reservoir (4.82 mg/l) were below the criterion limit of 5.0 mg/l (Fig. I.14). Concentrations increased at all locations in August and remained well above the criterion limit in September and October. DO concentrations at all locations were similar from April through July then varied until October.

Depth profiles of temperature and DO in the dam forebay of Neely Henry Reservoir indicated that thermal and chemical stratification existed during April (Fig. I.15). Essentially isothermal and isochemical conditions occurred from May through July as water temperatures increased and DO concentrations decreased. During August

and September, Neely Henry forebay was chemically and thermally stratified. Isothermal and isochemical conditions returned in October. Highest water column temperatures and lowest water column DO concentrations occurred in July.

Discussion. Of primary concern for Neely Henry Reservoir are the high chlorophyll *a* concentrations during August and September. The highest chlorophyll *a* concentrations recorded at any Coosa reservoir location during the study occurred in lower and mid Neely Henry Reservoir (60.3 and 56.5 ug/l respectively) during August. TSI values derived from these concentrations (71 and 70, respectively) indicated hypereutrophic conditions.

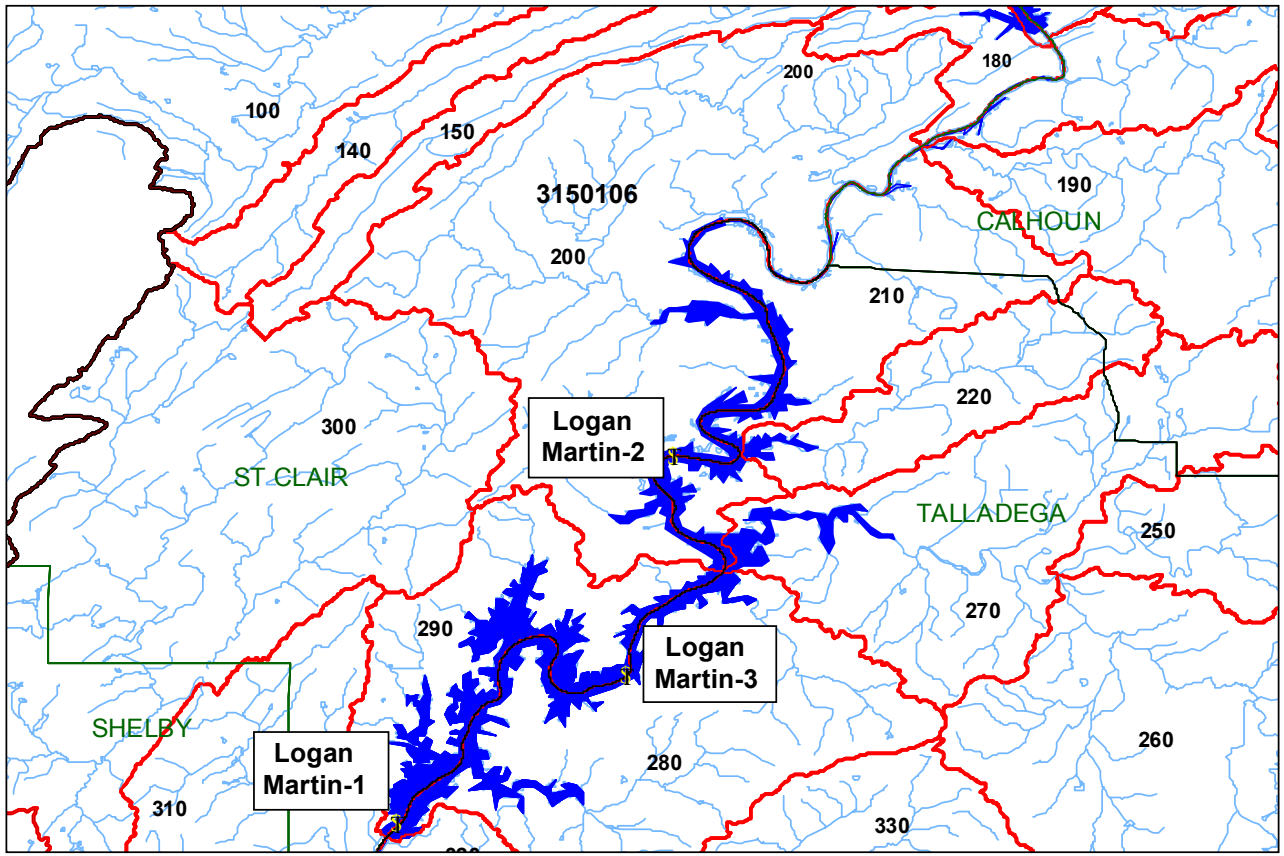
TN concentrations in the lower reservoir and TP concentrations in the mid and upper reservoir locations were higher than those of many other Coosa reservoir locations. The increase in mean TP values as lake discharge decreased indicates that point sources may be a considerable contributor to these concentrations.

Algal growth potential tests confirmed the TP concentrations by indicating nitrogen to be the limiting nutrient at all locations in August. Mean MSC values for the upper reservoir location were well above the 5.0 mg/l level suggested to assure protection from nuisance algal blooms and fish-kills in southeastern lakes.

DO concentrations in the upper reservoir were below the criterion limit of 5.0 mg/l during July. Concentrations at all other locations were above the criterion limit on all dates sampled. The water column of Neely Henry was thermally and chemically stratified during April, August, and September. Anoxic conditions did not develop, however.

Figure I.3

Logan Martin Reservoir



Logan Martin Reservoir

Nitrogen. Mean TN concentrations for Logan Martin were lower overall than upstream reservoirs Neely Henry and Weiss (Fig. I.7). Within the reservoir, mean TN values increased from upstream to downstream.

Monthly TN values followed similar patterns at all locations in the months sampled with highest concentrations in the lower and upper reservoir in October and the mid-reservoir in August (Fig. I.16). Lowest values at all locations occurred in April. TN concentrations at all locations were similar April-July then varied at one or more locations August-October.

Highest lake mean TN concentrations (mean of all stations) occurred in August and October with lowest values occurring in April (Fig. I.16). Mean TN values followed much the same pattern as lake discharge for all months except August, when TN was much higher as discharge declined.

Phosphorus. Mean TP concentrations for Logan Martin Reservoir were, along with those of Jordan Reservoir, the lowest of all Coosa reservoir locations (Fig. I.8). Within the reservoir, mean TP values for the upper and mid locations were similar with both higher than that of the lower reservoir.

Monthly TP concentrations were highest at all reservoir locations in May (Fig. I.16). Lowest TP concentrations occurred in the upper reservoir during June and September, the mid reservoir during June, and the lower reservoir during October. TP concentrations varied similarly at all locations from April through August then varied at one or more locations in September and October.

Lake mean TP values (mean of all stations) were highest in April and May and lowest in June (Fig. I.16). Lake mean TP values and lake discharge generally followed a similar pattern until October when TP declined as lake discharge increased during reservoir drawdown.

Algal Growth Potential Tests. Nitrogen was indicated as the limiting nutrient at the upper reservoir location with nitrogen and phosphorus co-limiting at the mid and lower reservoir locations (Table I.1) in August. Mean MSC values for the upper, mid, and lower reservoir locations (2.71, 2.42, and 2.26, respectively) were below the

maximum 5.0 mg/l level suggested to assure protection from nuisance algal blooms and fish-kills in southeastern lakes.

Chlorophyll a. The mean chlorophyll *a* concentration for upper Logan Martin was second only to those of Neely Henry Reservoir among Coosa reservoir locations (Fig. I.9). Mean values declined at the mid and lower reservoir locations though values for the mid reservoir remained among the highest of Coosa reservoir locations.

Monthly chlorophyll *a* concentrations at all reservoir locations were highest in August (Fig. I.17). Lowest concentrations in the upper and mid reservoir occurred in June and in the lower reservoir in October. Concentrations were similar at all locations in May and June when lake discharge was highest but differed at one or more locations in other months.

As lake discharge increased April-June, lake mean chlorophyll *a* concentrations (mean of all stations) decreased (Fig. I.17). As lake discharge declined July-September, mean chlorophyll *a* concentrations were higher, then declined once again with increasing lake discharge in October during reservoir drawdown . Highest lake mean chlorophyll *a* values occurred in August during the low discharge period with lowest values occurring during high discharge periods in May and June.

Trophic state. TSI values for all locations were near or within the upper half of the eutrophic range in all months (Fig. I.17). In the upper and mid reservoir, highest TSI values occurred in August when values were highly eutrophic. Lowest TSI values at these locations occurred in June, with values at the midpoint of the eutrophic range. In the lower reservoir, TSI values were similar in all months with the highest value occurring in August and the lowest value occurring in October.

Dissolved oxygen/Temperature. DO concentrations in the upper reservoir declined from April through June then remained similar until October when DO increased (Fig. I.17). At mid reservoir, DO decreased from April through June then changed little through October. In the lower reservoir, DO concentrations were more variable with values decreasing from April through June, increasing in July and August, then decreasing again to the lowest levels in September and October. DO concentrations at the lower reservoir during September and October (5.51 and 5.56 respectively) were near the criterion limit of 5.0 mg/l.

Depth profiles of DO and temperature in the dam forebay of Logan Martin indicated that weak chemical stratification occurred in April and May and isochemical conditions in June, with the water column remaining essentially isothermal in these months (Fig. I.18). Weak thermal and stronger chemical stratification developed in July with the water column becoming essentially anoxic below seven meters depth. In August, weak thermal and strong chemical stratification was evident though anoxic conditions did not develop. Chemical and thermal stratification weakened in September with the water column essentially isothermal and isochemical in October. Highest water column temperatures and lowest water column DO concentrations occurred in July.

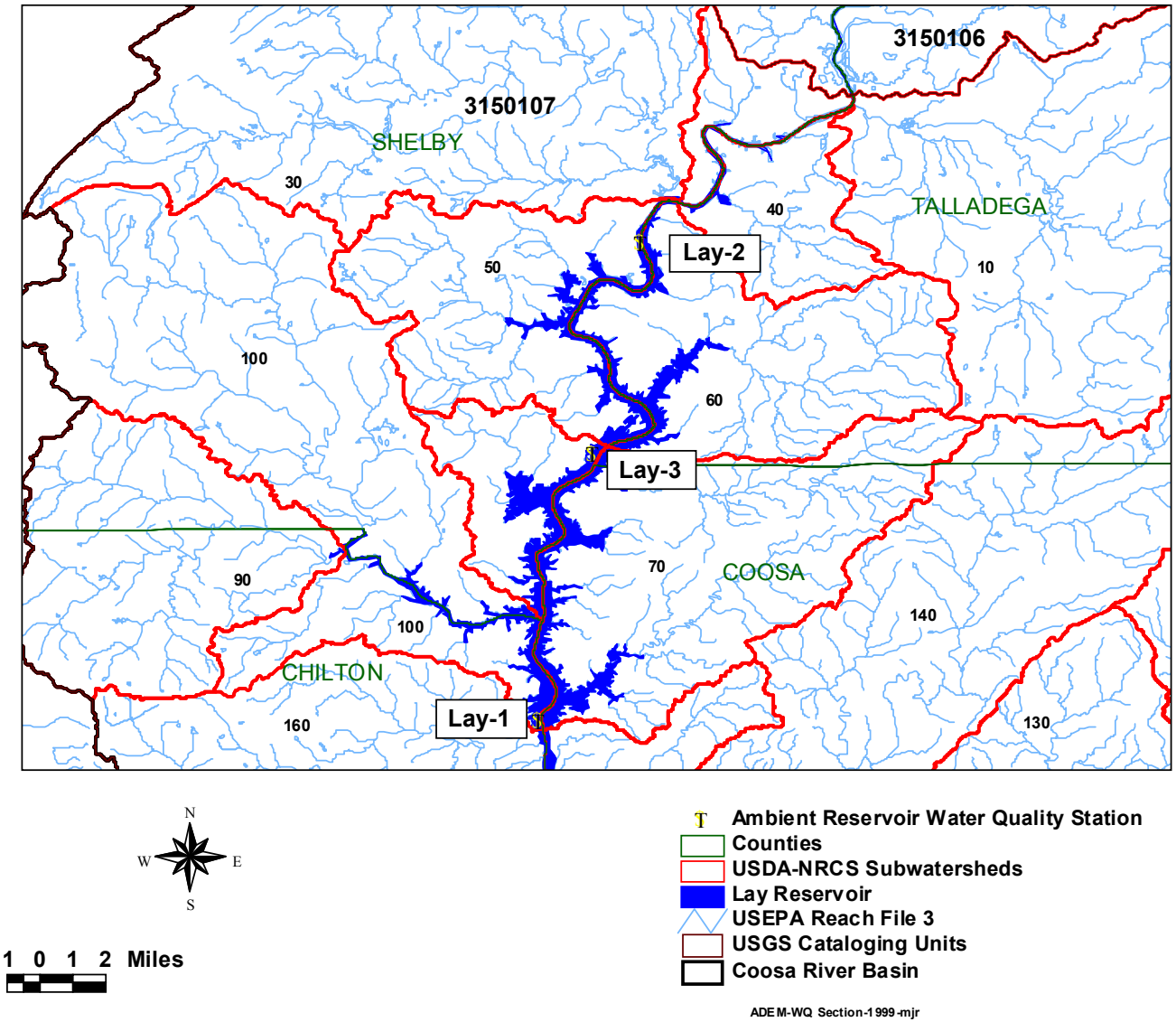
Discussion. Nutrient concentrations of Logan Martin Reservoir were lower overall than those of upstream reservoirs Weiss and Neely Henry. Mean TN values of Logan Martin were lower overall while mean TP values were among the lowest of Coosa reservoir locations. Though nitrogen was either the limiting or co-limiting nutrient at all locations in August, mean MSC values from the AGPT were well below the maximum of 5.0 mg/l suggested to assure protection from nuisance algal blooms and fish-kills.

The mean chlorophyll *a* concentrations of upper and mid Logan Martin are a concern though they are likely influenced directly (algal transport) or indirectly (nutrients) by the downstream flow of water from Neely Henry Reservoir. In the upper and mid reservoir in August, TSI values were highly eutrophic with those of the upper reservoir approaching hypereutrophic levels (TSI = 68).

Though DO concentrations in the lower reservoir remained above the criterion limit in the months sampled, values in September and October were near the limit of 5.0 mg/l and the majority of the water column (below 7m) during the month of July was essentially anoxic.

Figure I.4

Lay Reservoir



Lay Reservoir

Nitrogen. The mean TN concentration of mid Lay Reservoir was highest of all Coosa reservoir locations (Fig. I.7). Mean concentrations of the upper and lower reservoir were similar to those of upstream Logan Martin Reservoir and above those of downstream Mitchell and Jordan Reservoirs.

Monthly TN concentrations at mid reservoir increased from April through July then decreased afterward (Fig. I.19). In the the upper and lower reservoir, TN concentrations varied monthly with highest values occurring in June and August and lowest values occurring in September. Mean values for the upper and lower reservoir were similar in all months except for June.

Lake mean TN values (mean of all stations) increased from April through June as lake discharge increased then were variable July-September as lake discharge decreased (Fig. I.19). Mean TN increased once again in October as lake discharge increased during reservoir drawdown. Highest mean TN values occurred in August with lowest values occurring in September.

Phosphorus. Mean TP concentrations of Lay Reservoir were higher than those of upstream Logan Martin Reservoir (Fig. I.8) and less than those of downstream Mitchell Reservoir. Within the reservoir, the highest mean TP concentration occurred at the upper reservoir.

Monthly TP values decreased from April to June, then increased through August when highest concentrations at all locations occurred (Fig. I.19). TP concentrations declined again in September followed by an increase in October. Concentrations at all locations were similar in the months sampled.

Lake mean TP (mean of all stations) decreased as lake discharge increased from April through June (Fig. I.19). Mean TP increased as lake discharge decreased in July and August. TP concentration declined in September as lake discharge declined further, then increased along with discharge in October during reservoir drawdown. Lowest lake mean TP concentrations occurred in June while highest lake mean TP concentrations occurred in August.

Algal Growth Potential Tests. Nitrogen and phosphorus were co-limiting nutrients at the upper reservoir location in August (Table I.1). Nitrogen was the limiting nutrient at the mid and lower reservoir locations. Mean MSC values in the upper reservoir (10.48 mg/l) and the lower reservoir (6.80 mg/l) were well above the maximum 5.0 mg/l level suggested to assure protection from nuisance algal blooms and fish-kills in southeastern lakes. The mean MSC value at mid reservoir (2.21 mg/l) was well below the 5.0 mg/l maximum level.

Chlorophyll a. Overall, mean chlorophyll *a* concentrations in Lay Reservoir were lower than those of upstream Logan Martin Reservoir but higher than those of downstream reservoirs (Fig. I.9). Within Lay, lowest mean values occurred in the upper locations with highest values occurring at mid reservoir.

Monthly chlorophyll *a* concentrations were similar at the mid and lower reservoir locations for all months except August (Fig. I.20). In the upper reservoir, concentrations were generally less than other reservoir locations and varied April-July. Concentrations in the upper reservoir were higher August-October.

Lake mean chlorophyll *a* concentrations (mean of all stations) decreased April through July as lake discharge reached its highest point then declined sharply (Fig. I.20). Lake mean concentrations were higher August through October as lake discharge reached its lowest level then increased in October during reservoir drawdown.

Trophic state. TSI values in the upper reservoir were generally within the lower half of the eutrophic range April through July, then increased to mid-eutrophic levels August-September (Fig. I.20). Values at mid reservoir were within the upper levels of the eutrophic range in all months except July. In the lower reservoir, TSI values varied between the upper and lower levels of the eutrophic range.

Dissolved oxygen/Temperature. DO concentrations decreased at all locations April-July then were generally higher through October (Fig. I.20). Concentrations at the upper reservoir in June and July (5.75 and 5.50 mg/l respectively) were just above the criterion limit of 5.0 mg/l. DO concentrations at mid reservoir were well above the criterion limit in all months except July when the value (5.11 mg/l) was just above the criterion limit. In the lower reservoir, DO concentrations in July and August (4.47 and 4.46, respectively) were below the criterion limit.

Depth profiles of DO and temperature in the dam forebay of Lay Reservoir indicated weak thermal and chemical stratification during April and May (Fig. I.21). From June-October, the water column was essentially isothermal. Essentially isochemical conditions occurred in June, August, and October with some chemical stratification occurring in July and September. Highest water column temperatures occurred in July and August with lowest DO concentrations occurring July-September. With the exception of a small portion of the water column in July, anoxic conditions did not occur in the dam forebay when sampled.

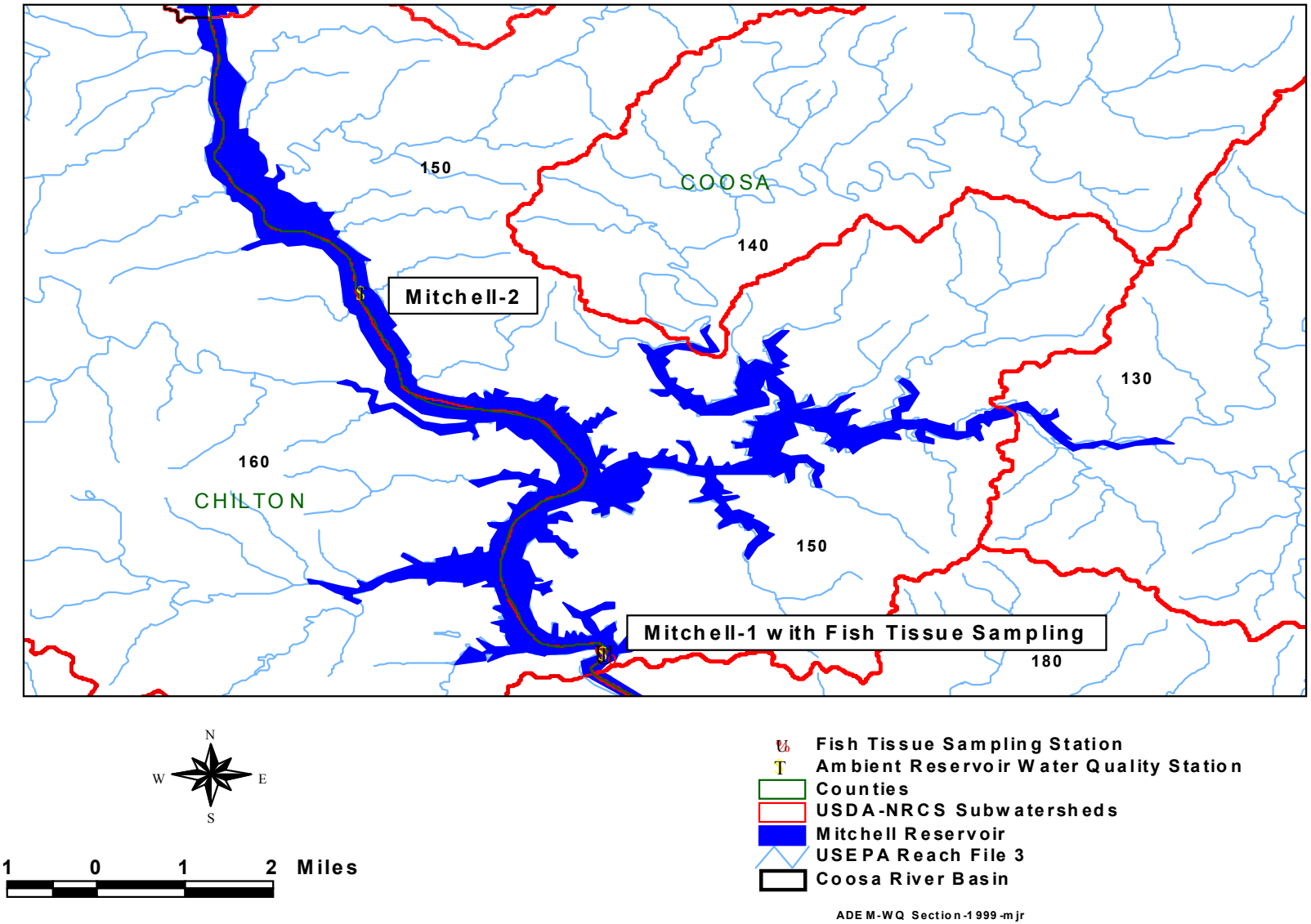
Discussion. Nutrient concentrations of Lay Reservoir are indicated as a concern. Mean TN concentrations at mid reservoir were highest of Coosa reservoir locations. Mean TP concentrations of Lay were higher than those of upstream Logan Martin Reservoir. Mean MSC values from the AGPT for the upper and lower reservoir were well above the 5.0 mg/l level suggested to assure protection from nuisance algal blooms and fish kills.

Mean chlorophyll *a* concentrations were lower than those of upstream Logan Martin Reservoir. TSI values derived from these concentrations were generally lower than those of upstream reservoirs and within the eutrophic range. TSI values did not approach hypereutrophic levels in the months sampled.

In the lower reservoir, DO concentrations were below the criterion limit in July and August. DO concentrations in the upper reservoir were near the criterion limit in June and July with concentrations at mid-reservoir near the limit in July. With the exception of a small portion near the bottom of the water column in July, anoxic conditions did not occur in the dam forebay when sampled.

Figure I.5

Mitchell Reservoir



Mitchell Reservoir

Nitrogen. Mean TN concentrations for Mitchell Reservoir were second lowest of Coosa reservoirs (Fig. I.7). Within the reservoir, the mean concentration for the upper location was slightly higher than that of the lower reservoir.

Monthly TN concentrations were similar at both locations in all months sampled (Fig. I.22). TN concentrations varied month to month with highest values occurring in August and lowest values occurring in September.

Lake mean TN concentrations (mean of all stations) followed a similar pattern as lake discharge April-July (Fig. I.22). Mean TN increased sharply in August as discharge continued to decline then decreased in September as lake discharge reached its lowest level. In October, mean TN increased as did discharge.

Phosphorus. Mean TP concentrations in Mitchell were second highest to Weiss Reservoir of all Coosa reservoir locations (Fig. I.8). Within the reservoir, mean TP concentrations in the upper location were higher than those of the lower reservoir.

Monthly TP concentrations at both reservoir locations decreased April-June then increased to their highest point in August (Fig. I.22). Concentrations decreased in September and increased in October.

Lake mean TP concentrations (mean of all stations) decreased as lake discharge increased from April through June (Fig. I.22). Lake discharge declined sharply July-August as mean TP concentrations increased. Lake mean TP concentrations and lake discharge decreased in September and increased in October.

Algal Growth Potential Tests. Nitrogen was indicated as the limiting nutrient in the upper reservoir with nitrogen and phosphorus co-limiting in the lower reservoir during August (Table I.1). The mean MSC value for the upper reservoir (6.05 mg/l) and the lower reservoir (7.17 mg/l) were well above the maximum 5.0 mg/l level suggested to assure protection from nuisance algal blooms and fish-kills in southeastern lakes.

Chlorophyll a. Mean chlorophyll *a* concentrations for Mitchell were second lowest to Jordan Reservoir of all Coosa reservoir locations (Fig. I.9). Within the reservoir, mean concentrations in the upper location were substantially higher than those of the lower reservoir.

Monthly chlorophyll *a* concentrations at both reservoir locations were highest in October (Fig. I. 23). Concentrations in the upper reservoir were lowest in May with those of the lower reservoir lowest in August. Concentrations at both reservoir locations varied monthly with both locations following the same pattern from June through October.

Lake mean chlorophyll *a* concentrations (mean of all stations) increased along with lake discharge April-June (Fig. I.23). Concentrations decreased along with lake discharge July-August. Mean concentrations increased in September and October with lake discharge decreasing in September and increasing in October. Highest mean chlorophyll *a* concentrations occurred in October with lowest mean concentrations occurring in August.

Trophic state. TSI values for both locations in Mitchell Reservoir were generally within the lower half of the eutrophic range April-October (Fig. I.23). Values for the upper reservoir increased into the upper half of the eutrophic range in June, September, and October while TSI values for the lower reservoir were in the upper half of the eutrophic range during the months of May and October only.

Dissolved oxygen/Temperature. DO concentrations in the upper reservoir decreased April-July with values from July (5.44 mg/l) just above the criterion limit of 5.0 mg/l (Fig. I.23). Concentrations in the upper reservoir were higher August-October. In the lower reservoir, DO concentrations increased from April through May then decreased through August. Concentrations from July-September (5.11, 4.62, and 5.51 mg/l, respectively) were near or below the criterion limit. DO concentrations in the lower reservoir during October increased from previous months.

Depth profiles of dissolved oxygen and temperature from the dam forebay of Mitchell Reservoir indicated essentially isothermal and isochemical conditions during April (Fig. I.24). Weak thermal and chemical stratification began to develop in the water column in May with chemical stratification becoming more developed in July. Weak chemical stratification persisted through October. Essentially isothermal conditions returned in August and continued through the end of sampling in October. Anoxic conditions developed at the bottom of the water column in July. Highest water column temperatures and lowest water column dissolved oxygen concentrations occurred in July.

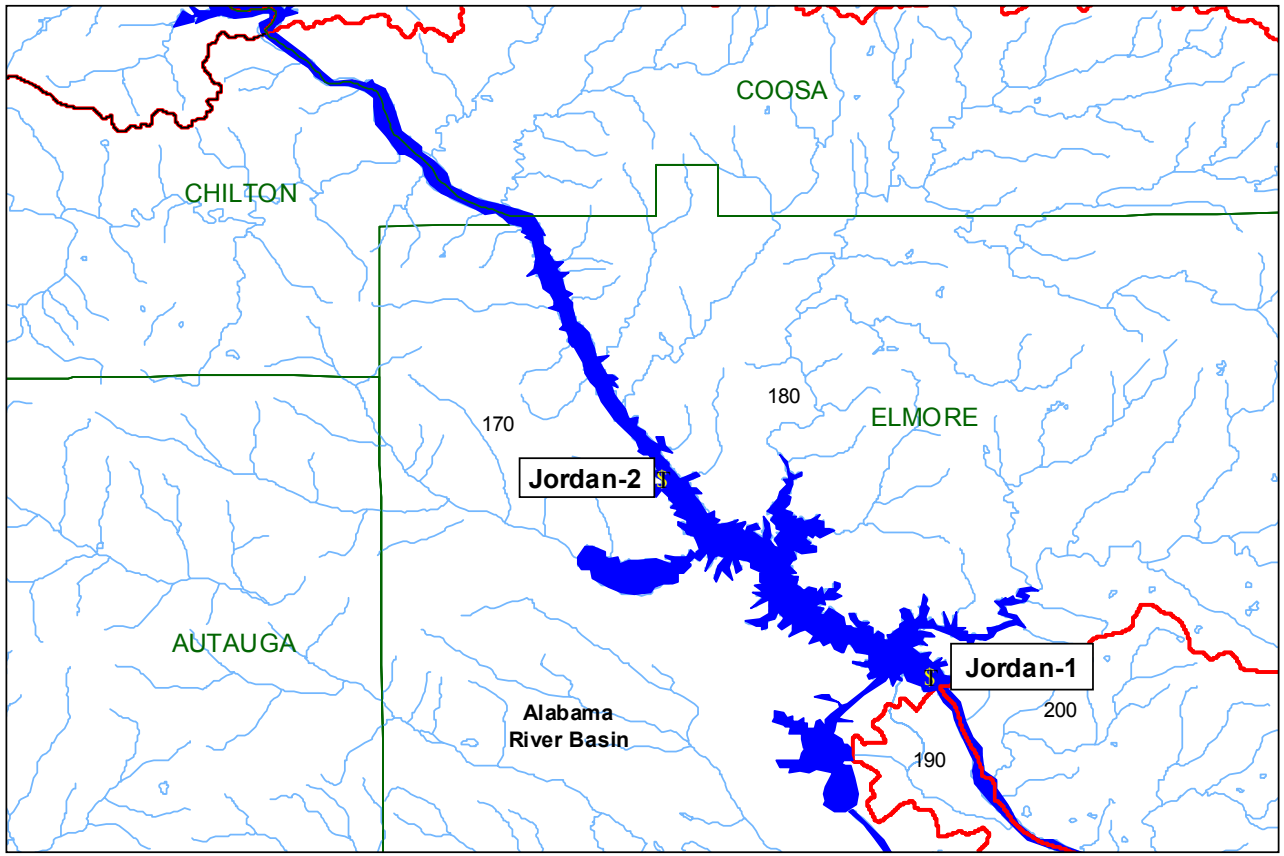
Discussion. Though TN concentrations in Mitchell Reservoir were lower than those of upstream reservoirs, phosphorus concentrations were higher. Higher phosphorus concentrations were further verified by the AGPT, which indicated nitrogen as the limiting or co-limiting nutrient and MSC values greater than the maximum 5.0 mg/l level suggested to assure protection from nuisance algal blooms and fish-kills in southeastern lakes.

Chlorophyll *a* concentrations in Mitchell Reservoir were lower than those of all upstream Coosa reservoirs. TSI values derived from these concentrations indicated that Mitchell Reservoir was often within the lower half of the eutrophic range with values entering the upper half of the range in June and October.

DO concentrations in Mitchell were near or below criterion limits from July-September. Anoxic conditions developed at the bottom of the water column in July.

Figure I.6

Jordan Reservoir



Jordan Reservoir

Nitrogen. Mean TN concentrations in Jordan Reservoir were lowest of all Coosa reservoir locations. (Fig. I.7). Within the reservoir, mean concentrations in the upper location were above those of the lower reservoir.

Monthly TN concentrations at both reservoir locations were variable during the months sampled (Fig. I.25). Highest concentrations at both locations occurred in August. Lowest concentrations in the upper reservoir occurred in September-October and in the lower reservoir in May and September.

Lake mean TN concentrations (mean of all stations) were variable April-June as lake discharge increased (Fig. I.25). Lake discharge decreased sharply July-September with highest mean TN concentrations occurring in August and declining in September. Lake discharge increased during reservoir drawdown in October as did mean TN.

Phosphorus. Mean TP concentrations in Jordan Reservoir were, along with those of Logan Martin Reservoir, the lowest of Coosa reservoir locations (Fig. I.8). Within the reservoir, the mean TP for the upper location was higher than that of the lower reservoir.

Monthly TP concentrations at both locations decreased April-June then increased July-August (Fig. I.25). In September, TP decreased then increased again in October. Highest TP concentrations at both locations occurred in August. Lowest TP concentrations in the lower reservoir occurred May-June and in the upper reservoir, June.

Lake mean TP concentrations (mean of all stations) declined April-June as lake discharge increased (Fig. I.25). Lake discharge decreased sharply July-September with highest mean TP concentrations occurring in August and declining in September. Lake discharge increased in October as did mean TP.

Algal Growth Potential Tests. Nitrogen was indicated as the limiting nutrient in the upper reservoir during August with phosphorus the limiting nutrient in the lower reservoir (Table I.1). Mean MSC values for the upper reservoir (6.80 mg/l) and the lower reservoir (6.28 mg/l) were well above the maximum 5.0 mg/l level suggested to assure protection from nuisance algal blooms and fish-kills in southeastern lakes.

Chlorophyll a. Mean chlorophyll *a* concentrations in Jordan Reservoir were, along with those of upper Weiss, the lowest of Coosa reservoir locations (Fig. I.9).

Within the reservoir, the mean value for the upper reservoir was greater than that of the lower reservoir.

Monthly chlorophyll *a* concentrations in the upper reservoir were similar April-October (Fig. I.26). Concentrations in the lower reservoir were more variable with highest concentrations occurring in May and lowest concentrations occurring July-August.

Lake mean chlorophyll *a* concentrations (mean of all stations) increased April-May as discharge increased (Fig. I.26). Mean concentrations declined in June then changed little through October. Lake discharge declined sharply July-September and increased in October.

Trophic state. TSI values for upper Jordan Reservoir were within the lower levels of the eutrophic range April-October (Fig. I.26). TSI values for the lower reservoir varied greatly April-October, ranging from the upper eutrophic range in May to the mesotrophic range in July and August.

Dissolved oxygen/Temperature. DO concentrations in the upper reservoir declined April-July and were variable August-October (Fig. I.26). Concentrations during July (5.33 mg/l) and September (5.10 mg/l) were near the criterion limit of 5.0 mg/l. In the lower reservoir, DO concentrations increased April-May then decreased through August. Concentrations in the lower reservoir in July (4.67 mg/l) and August (4.83 mg/l) were below the criterion limit of 5.0 mg/l.

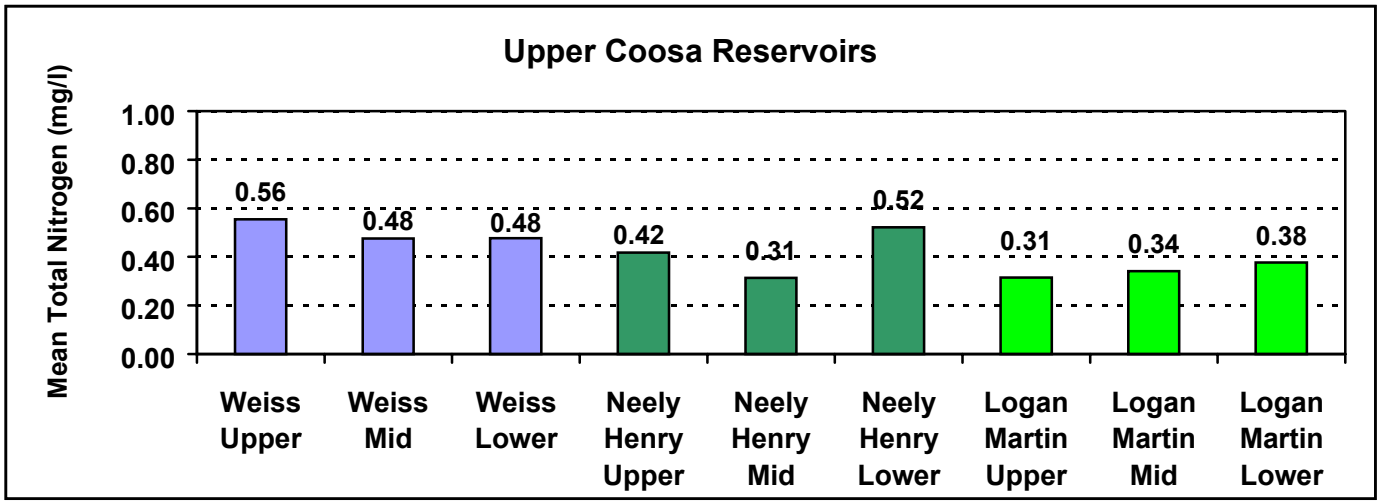
Depth profiles of dissolved oxygen and temperature from the dam forebay of Jordan Reservoir indicated isothermal and isochemical conditions in April (Fig. I.27). Chemical stratification developed in May and persisted through September. Weak thermal stratification developed in May and persisted through August. Anoxic conditions developed at the bottom of the water column in July and August. Lowest water column DO concentrations occurred in July. Highest water column temperatures occurred in August.

Discussion. Overall, nutrient concentrations in Jordan Reservoir were lowest of all Coosa reservoir locations. However, nitrogen was indicated as the limiting nutrient in the upper reservoir in August and mean MSC values for both reservoir locations were

well above the maximum 5.0 mg/l level suggested to assure protection from nuisance algal blooms and fish-kills in southeastern lakes.

Chlorophyll *a* concentrations were lowest of Coosa reservoir locations overall. TSI values derived from these concentrations indicated that the trophic state of Jordan was lowest of the Coosa reservoirs with values generally within the lower eutrophic to mesotrophic range.

DO concentrations in Jordan reservoir were near or below the criterion limit July-September. Anoxic conditions developed at the bottom of the water column only during July and August.



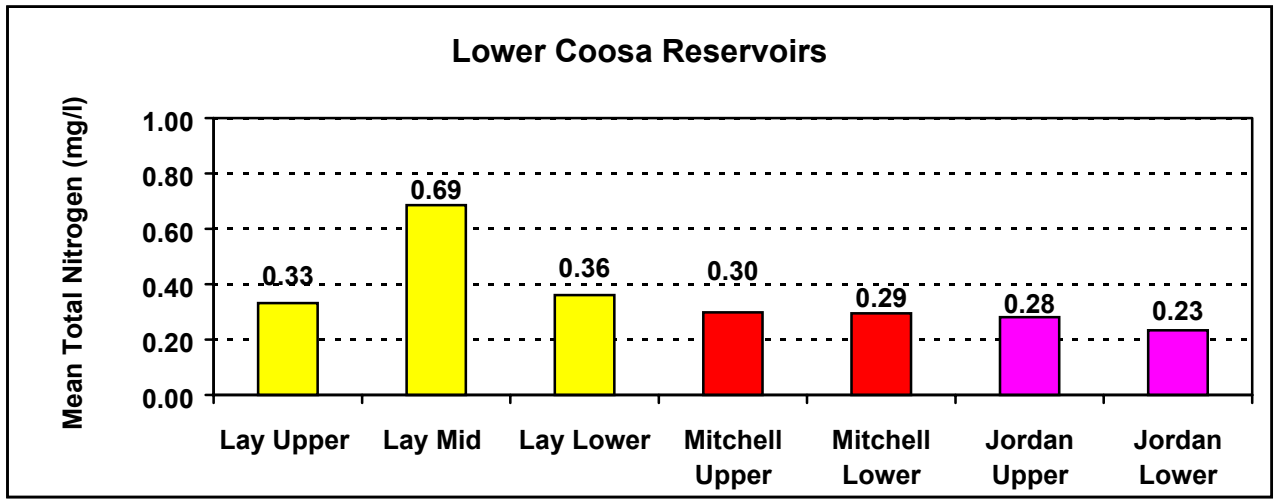
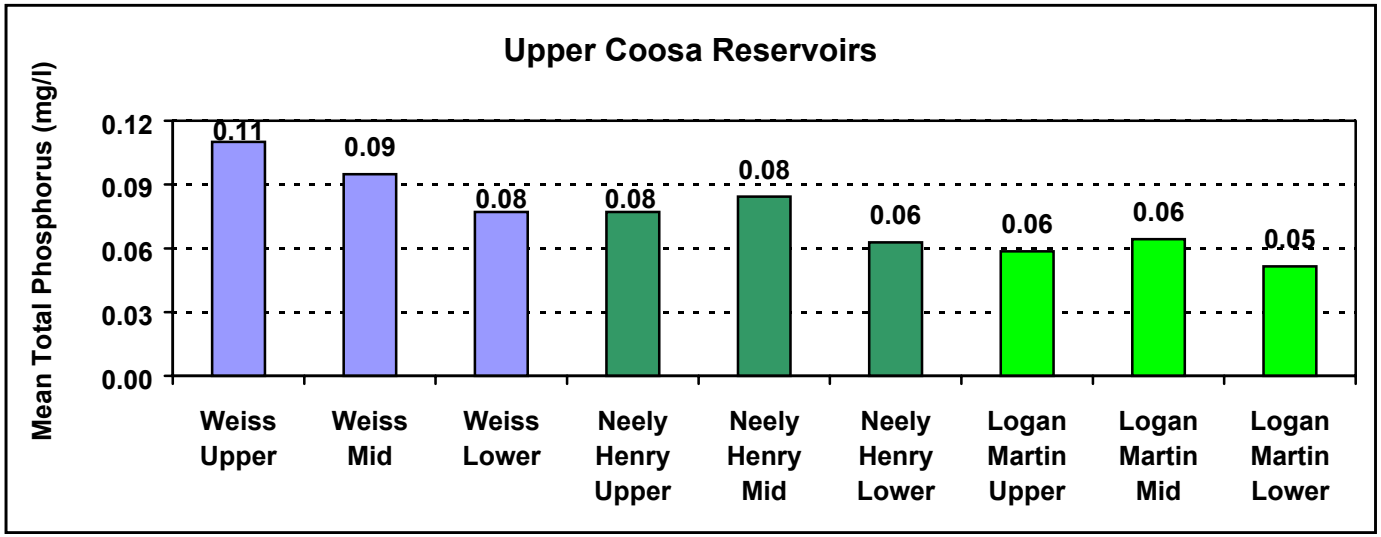


Figure I.7. Mean total nitrogen (TN) concentrations of Coosa reservoir locations, April-October 1997.



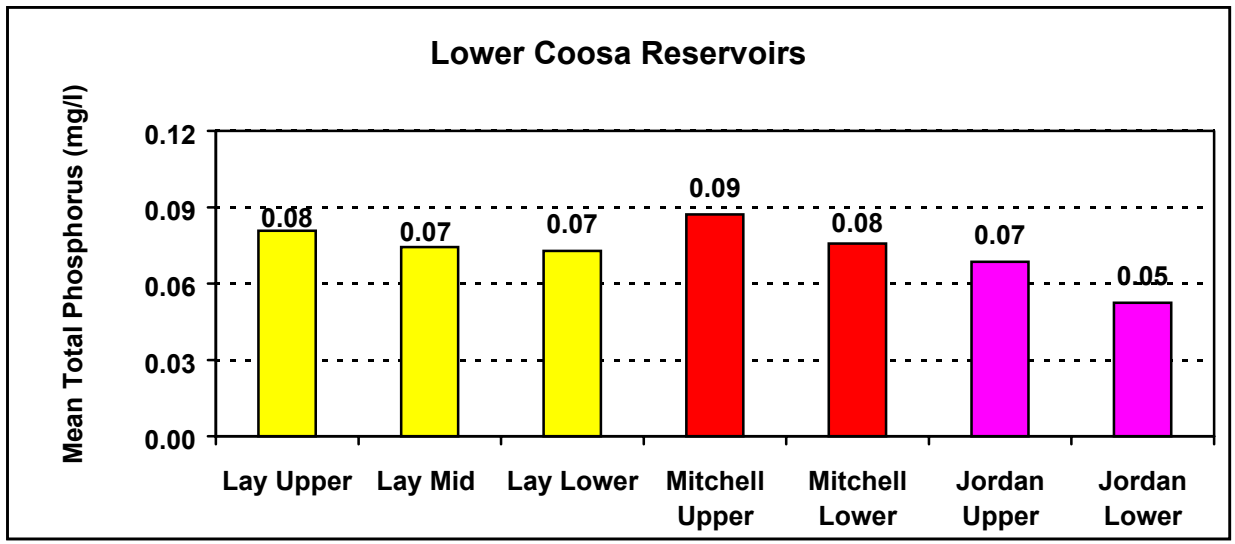
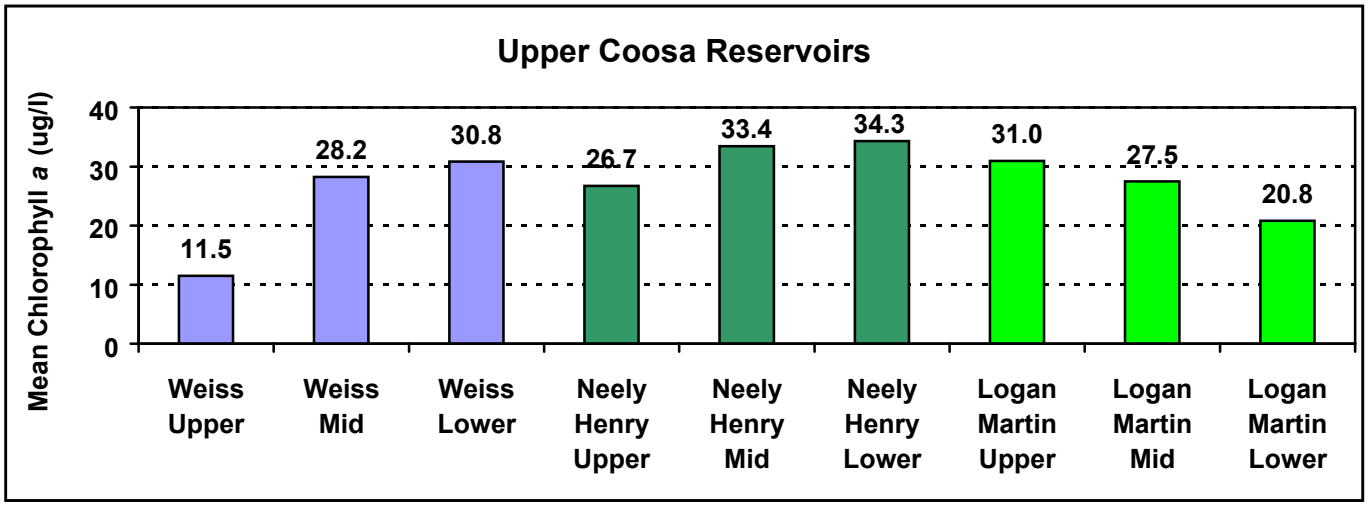


Figure I.8. Mean total phosphorus (TP) concentrations of Coosa reservoir locations, April-October 1997.



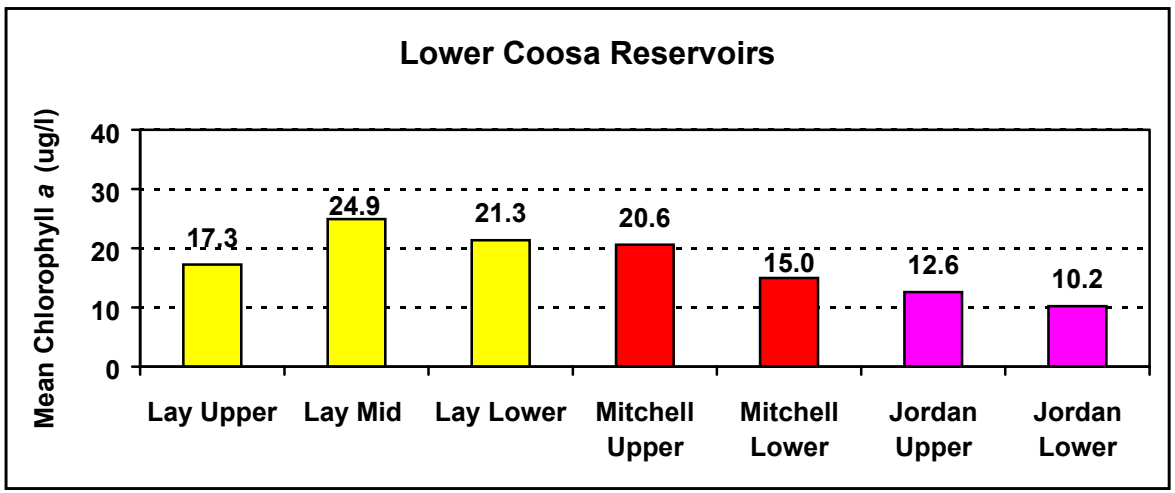
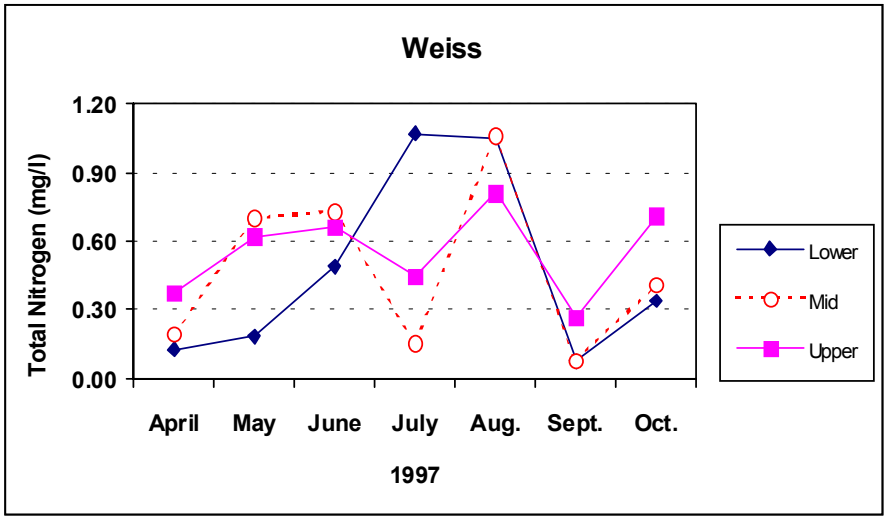


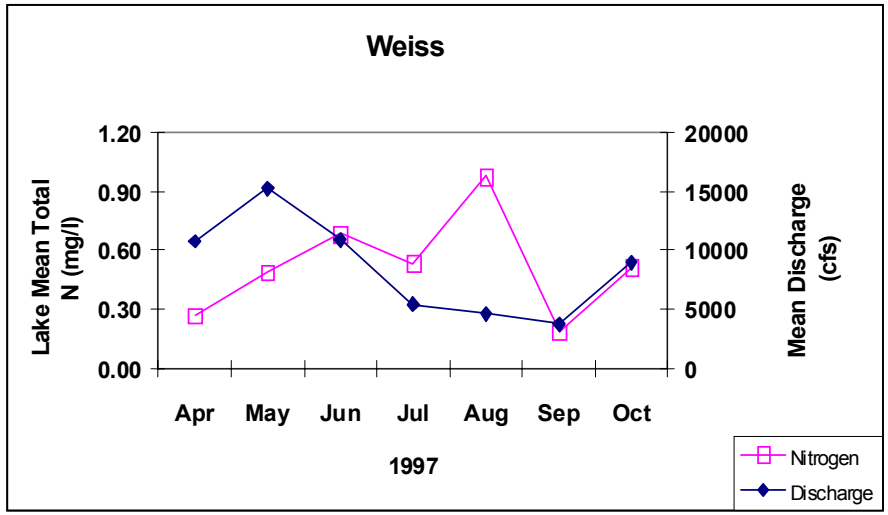
Figure I.9. Mean chlorophyll *a* concentrations of Coosa reservoir locations, April-October 1997.

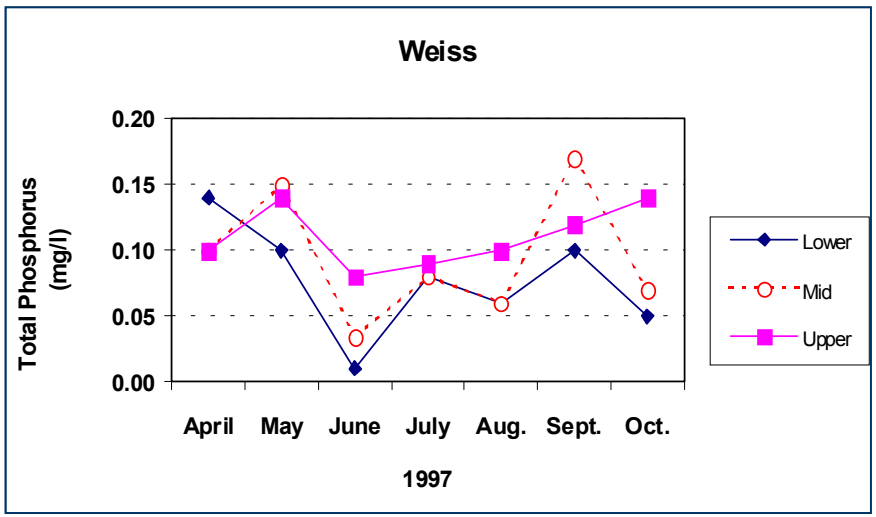
Table I.1. Algal growth potential testing (AGPT) of Coosa River reservoirs, August 1997.

Reservoir	Location	Collection Date	Mean MSC (mg/l) C	C+N	C+P	Limiting Nutrient
Weiss	Upper	8/13/97	25.54	**40.99**	25.32	Nitrogen
	Mid	8/13/97	5.68	**10.50**	6.14	Nitrogen
	Lower	8/13/97	6.82	**13.45**	7.15	Nitrogen
Neely Henry	Upper	8/12/97	7.23	**16.50**	7.36	Nitrogen
	Mid	8/12/97	3.40	**13.37**	3.13	Nitrogen
	Lower	8/12/97	3.40	**10.25**	2.94	Nitrogen
Logan Martin	Upper	8/12/97	2.71	**6.72**	3.24	Nitrogen
	Mid	8/12/97	2.42	2.65	2.53	Co-limiting
	Lower	8/12/97	2.26	**2.88**	**2.63**	Co-limiting
Lay	Upper	8/11/97	10.48	**15.79**	**11.50**	Co-limiting
	Mid	8/11/97	2.21	**10.07**	2.44	Nitrogen
	Lower	8/11/97	6.80	**13.05**	6.97	Nitrogen
Mitchell	Upper	8/11/97	6.05	**11.33**	6.06	Nitrogen
	Lower	8/11/97	7.17	**8.99**	**7.71**	Co-limiting
Jordan	Upper	8/11/97	6.80	**10.53**	7.03	Nitrogen
	Lower	8/11/97	6.28	4.42	**8.98**	Phosphorus

MSC = Maximum Standing Crop
C = Control; C+N = Control + Nitrogen; C+P = Control + Phosphorus
Values in **bold** print are significantly different from control.







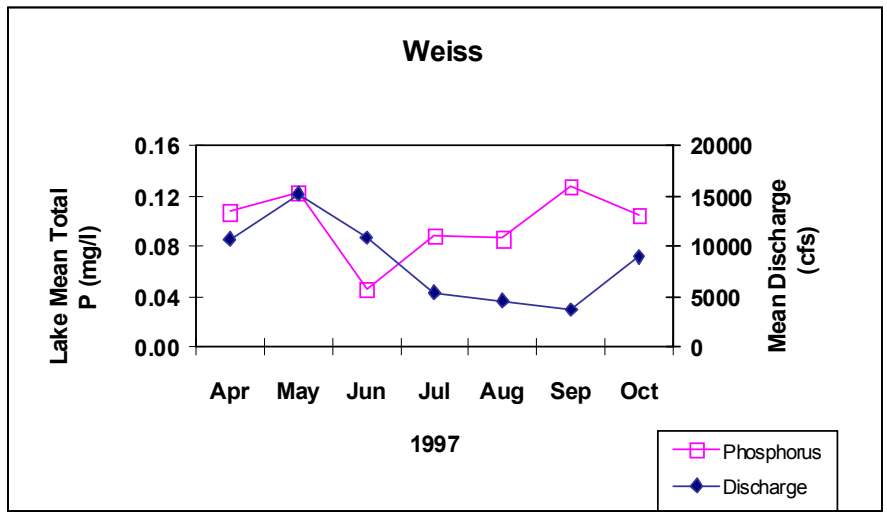
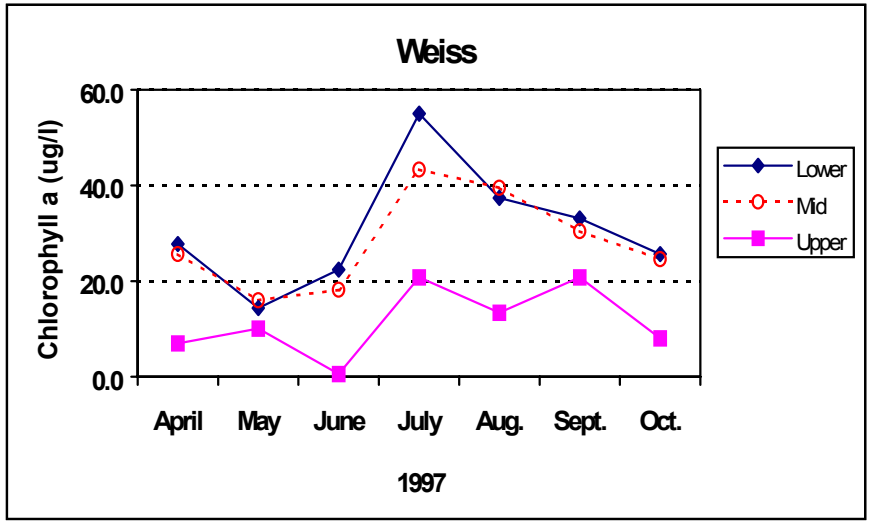
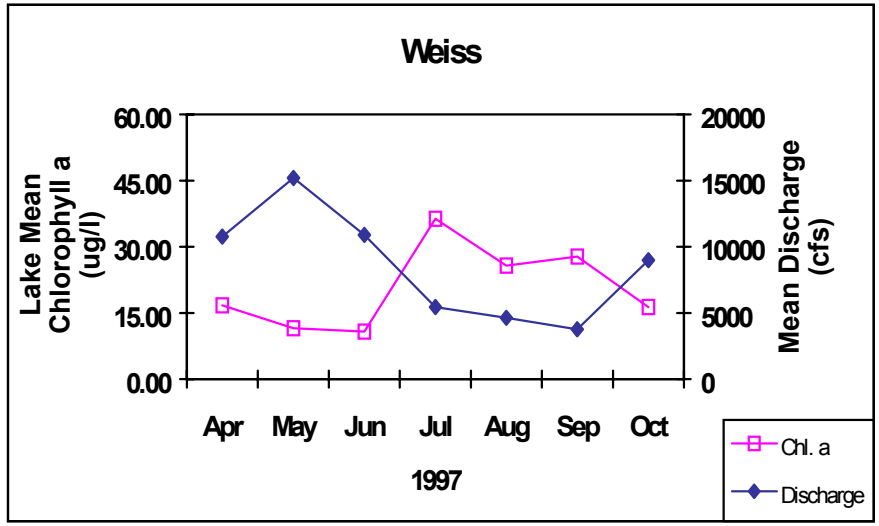
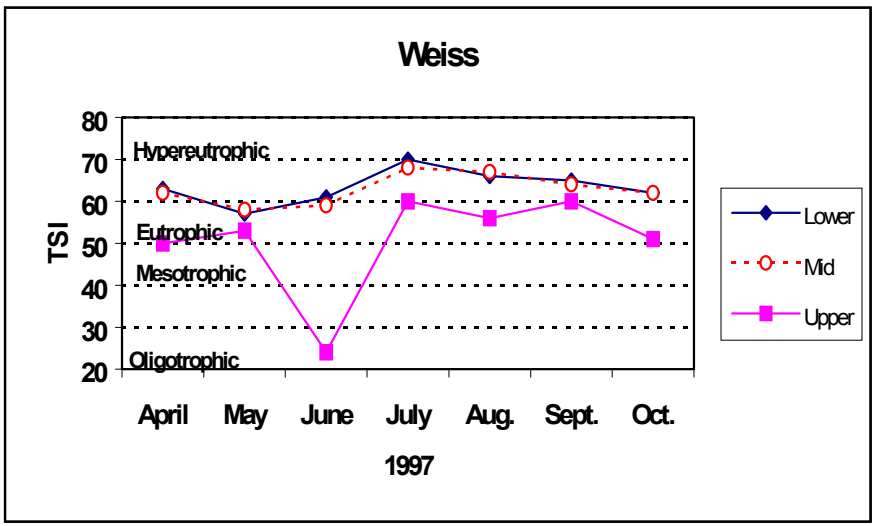


Figure I.10. Total nitrogen (TN), lake mean TN vs. discharge, total phosphorus (TP), and lake mean TP vs. discharge of Weiss Reservoir, April-October 1997.







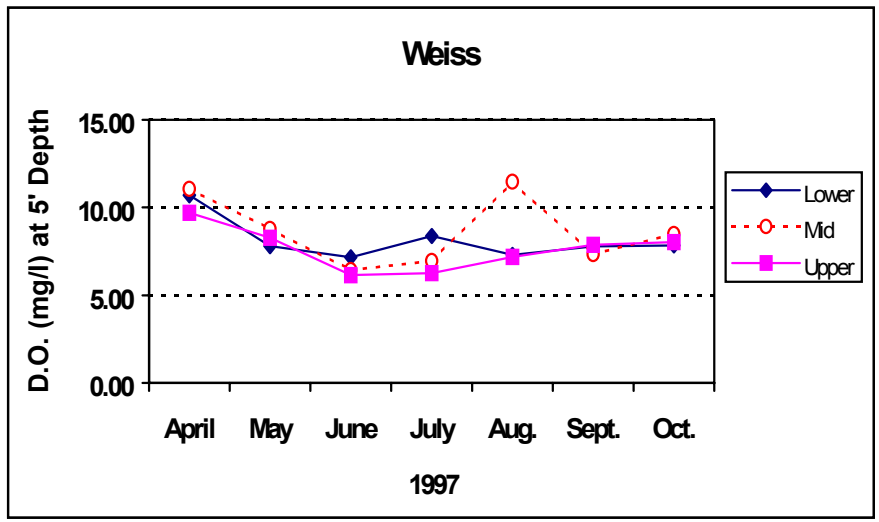


Figure I.11. Chlorophyll *a*, lake eman chlorophyll *a* vs. discharge, trophic state index (TSI), and dissolved oxygen (DO) of Weiss Reservoir, April October 1997.

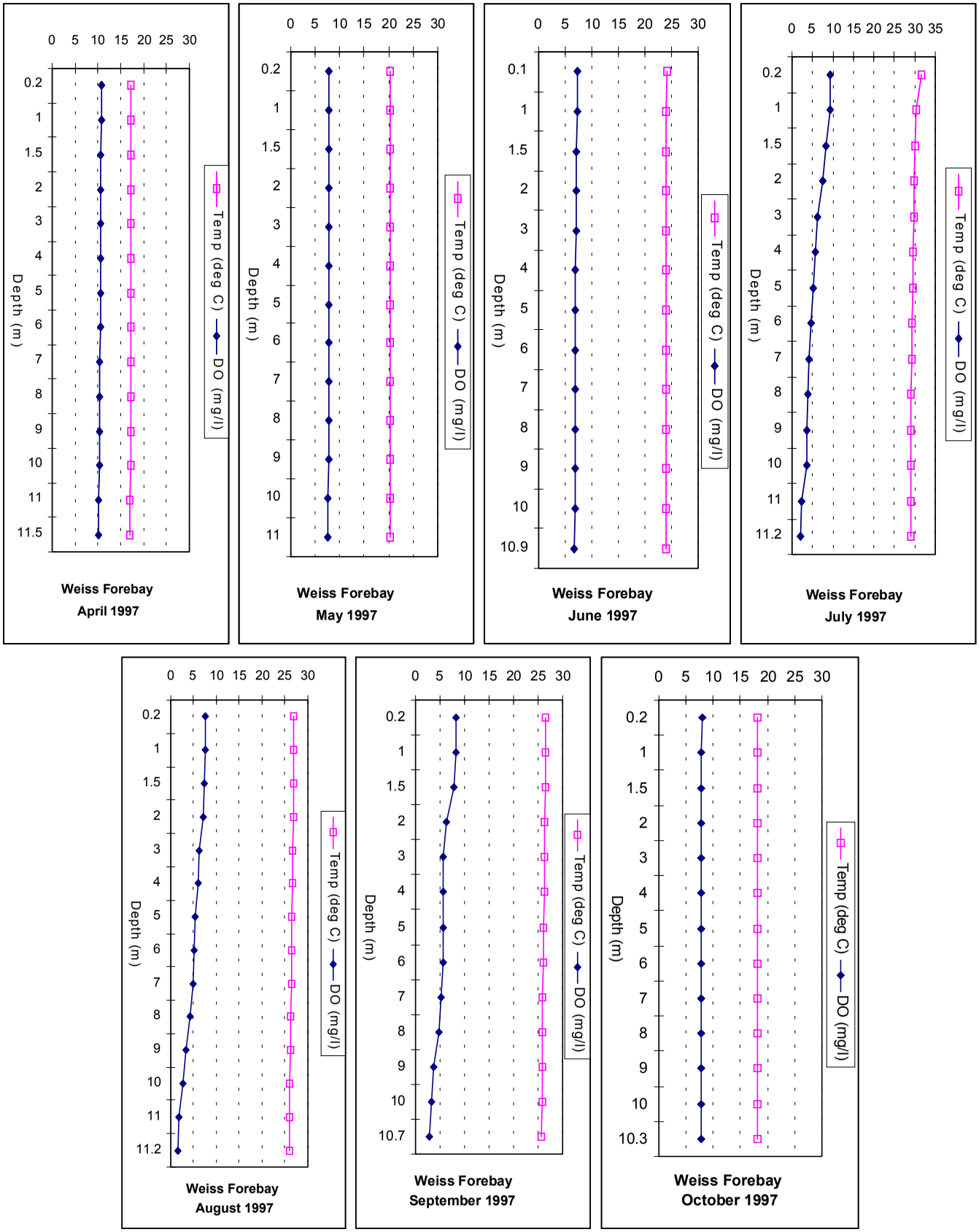
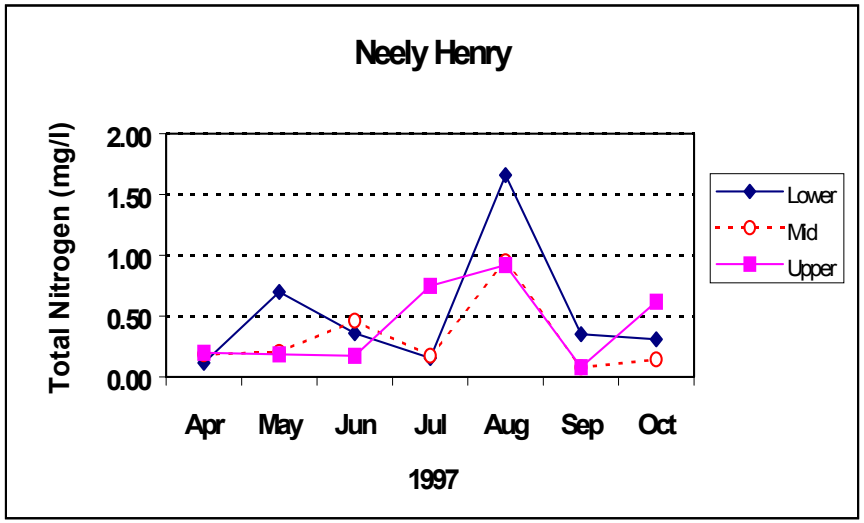
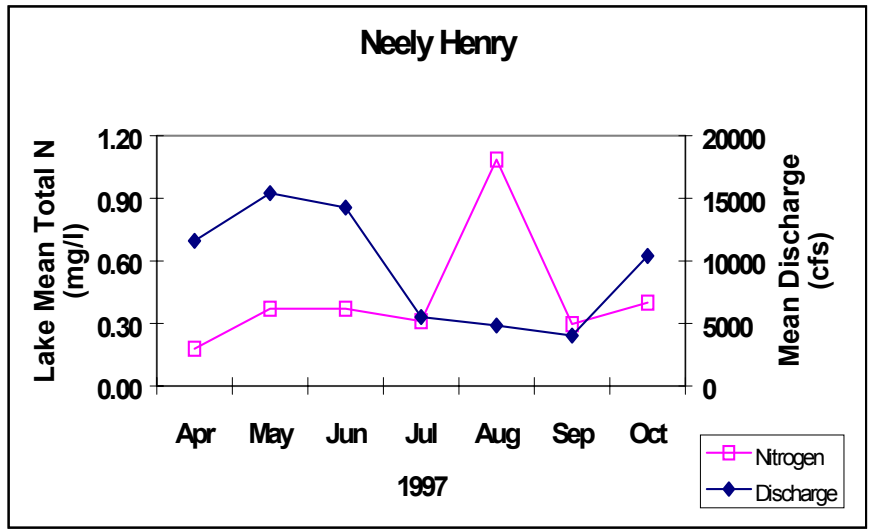
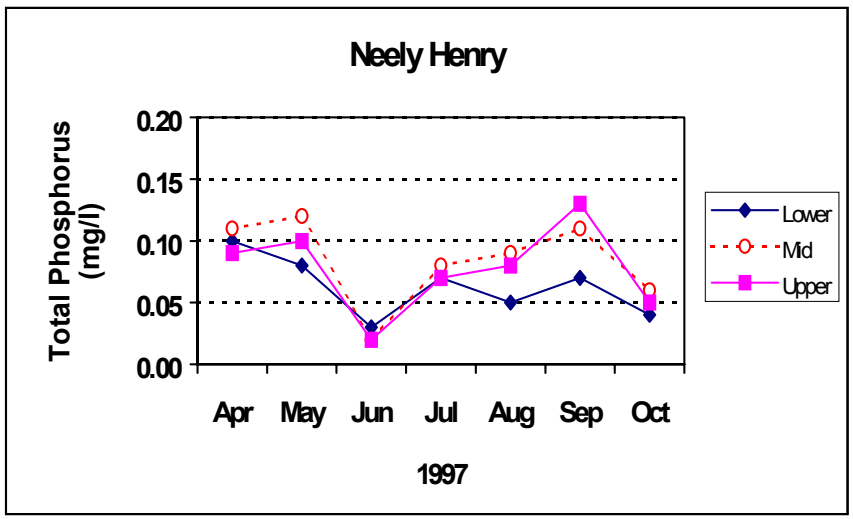


Figure I.12. Depth profiles of dissolved oxygen (DO) and temperature (Temp) in the dam forebay of Weiss Reservoir April-October 1997.







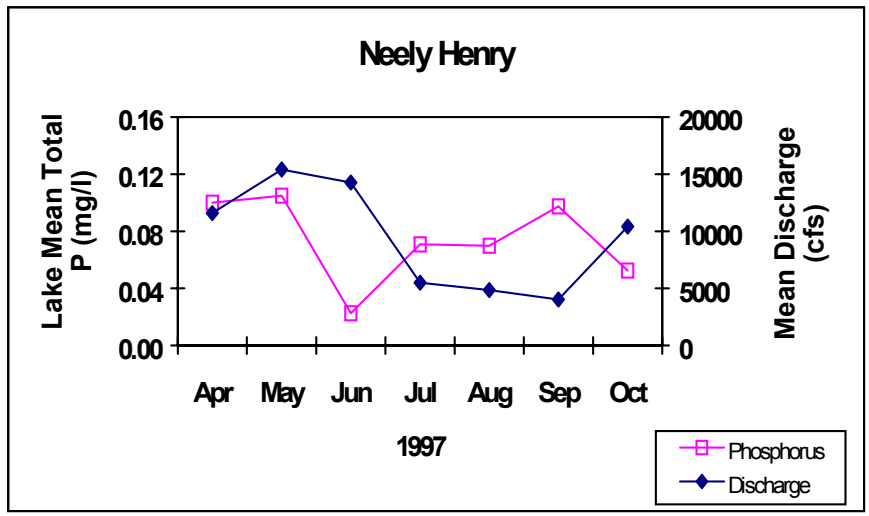
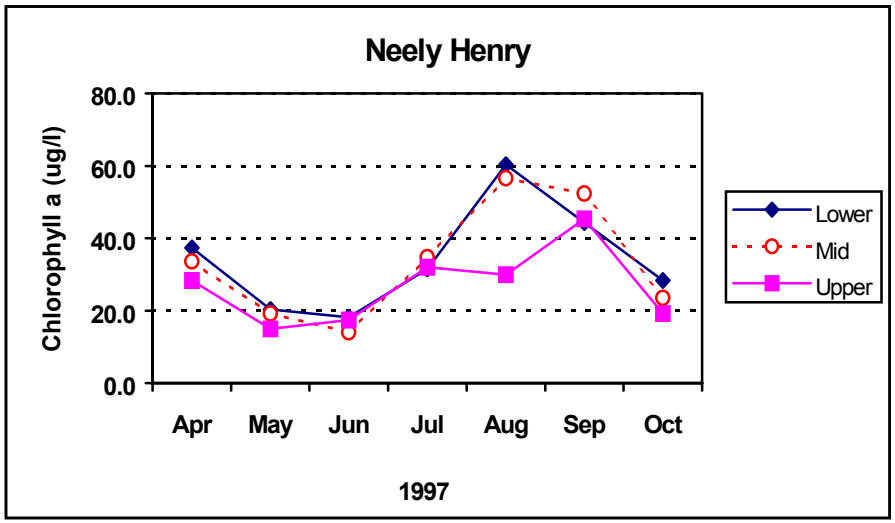
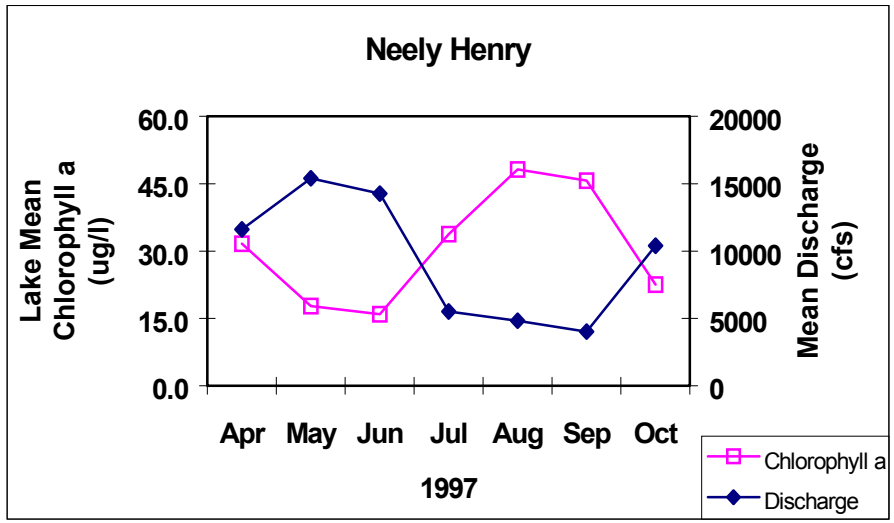
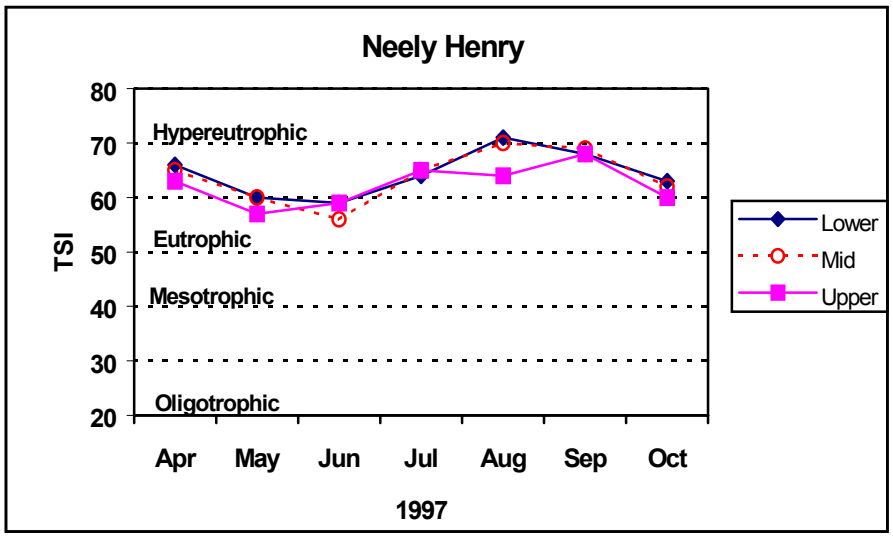


Figure I.13. Total nitrogen (TN), lake mean TN vs. discharge, total phosphorus (TP), and lake mean TP vs. discharge for Neely Henry Reservoir, April-October 1997.







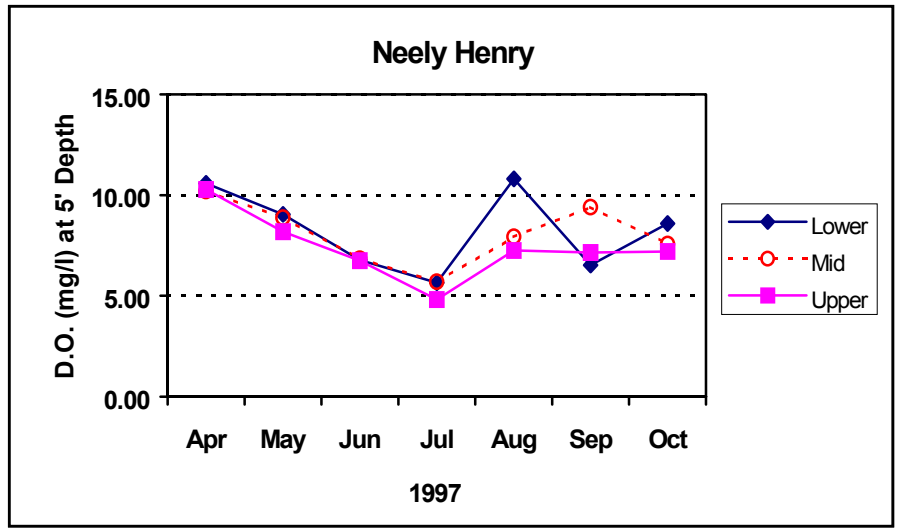


Figure I.14. Chlorophyll *a*, lake mean chlorophyll *a* vs. discharge, trophic state index (TSI) and dissolved oxygen (DO) for Neely Henry Reservoir, April-October 1997.

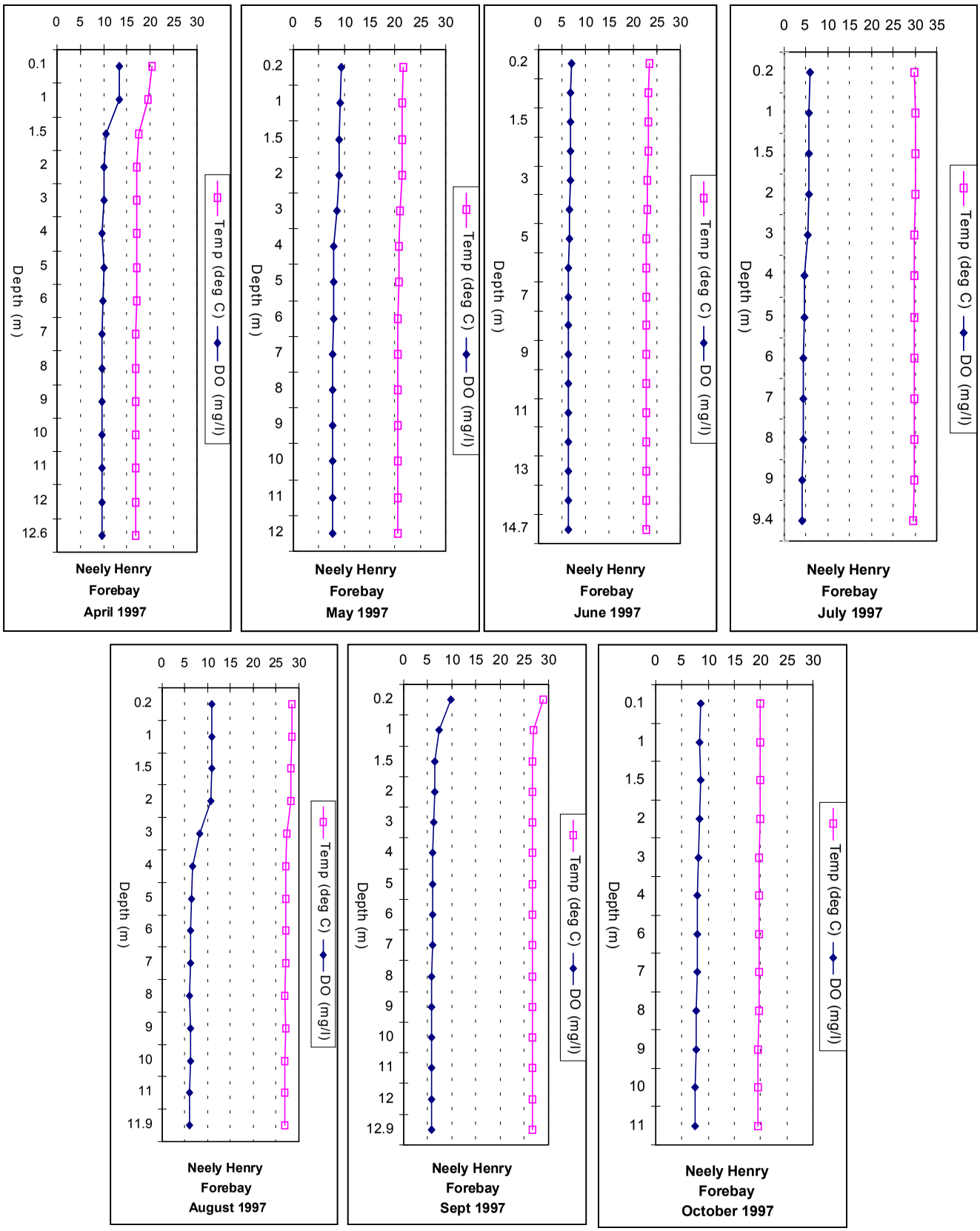
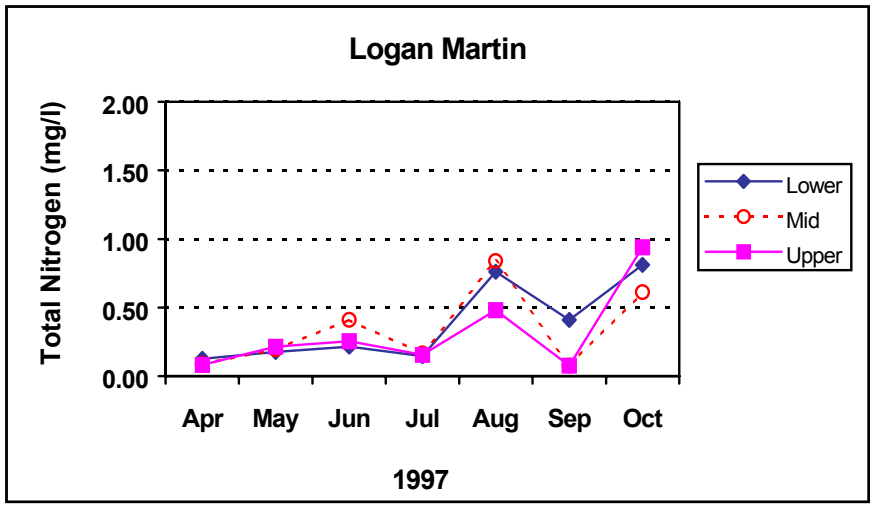
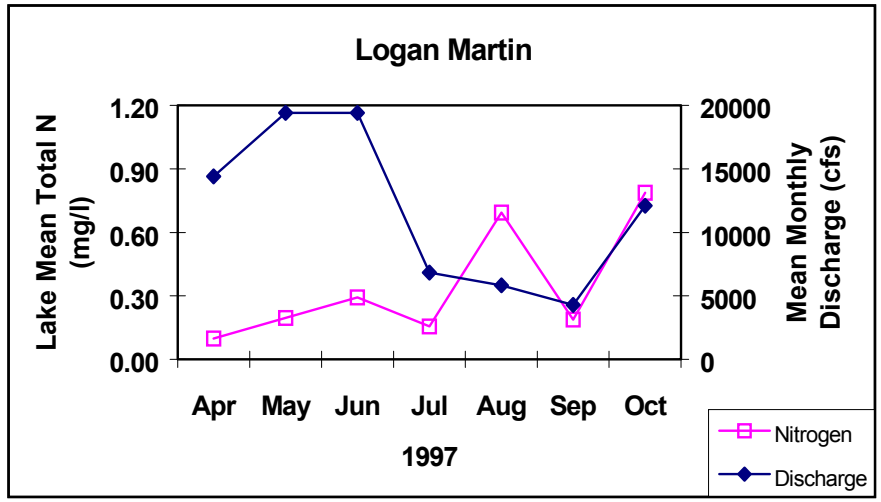
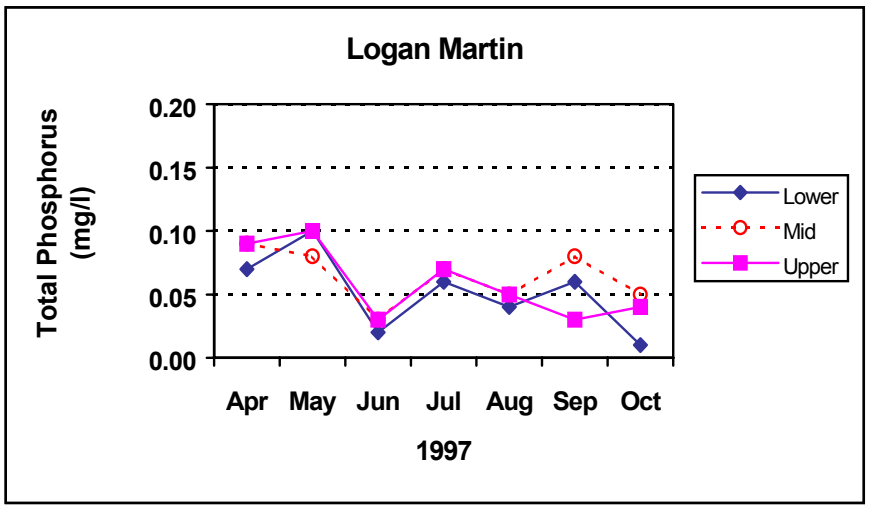


Figure I.15. Depth profiles of dissolved oxygen (DO) and temperature (Temp) in the dam forebay of Neely Henry Reservoir April-October 1997.







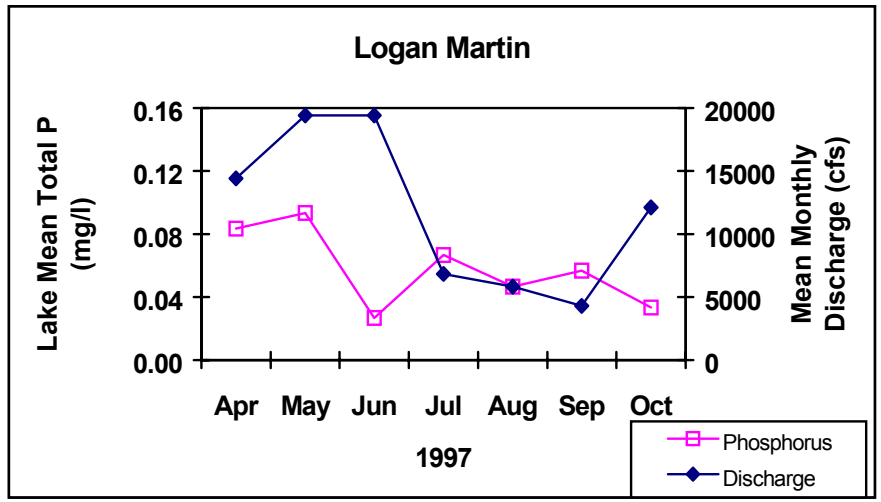
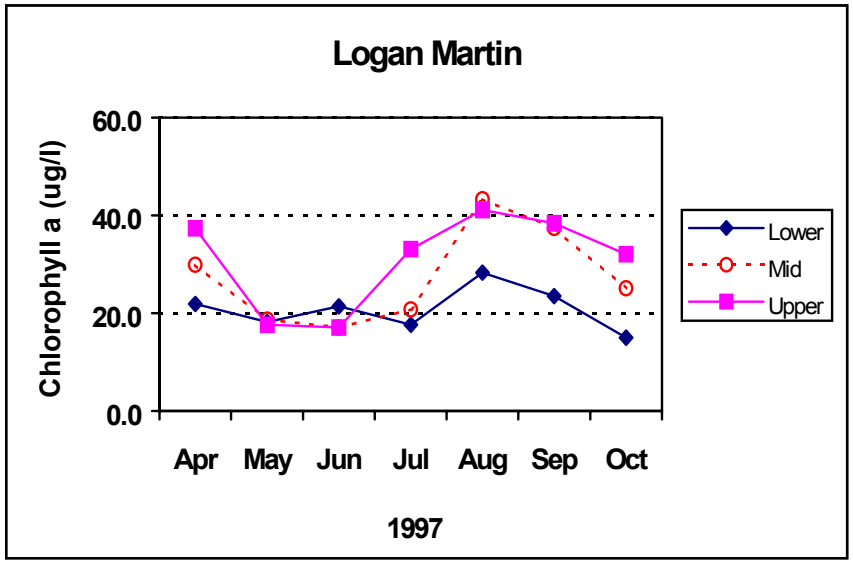
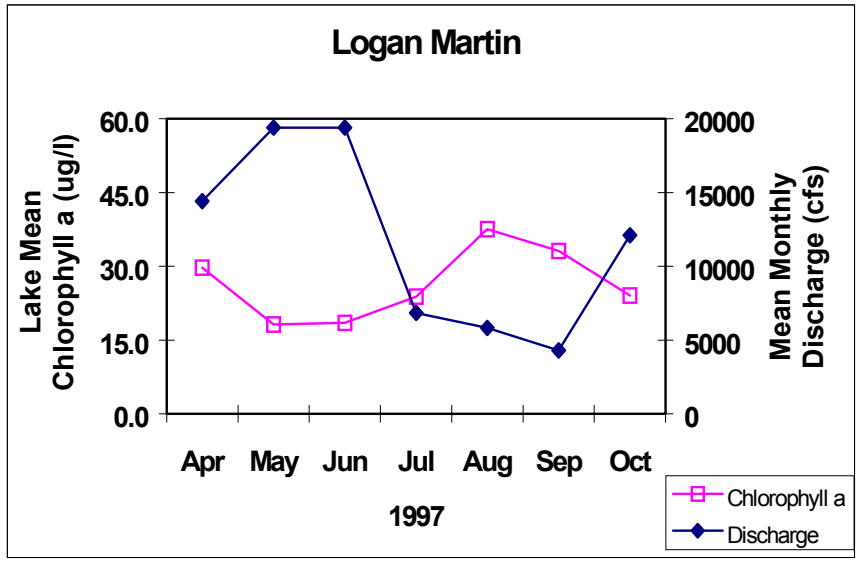
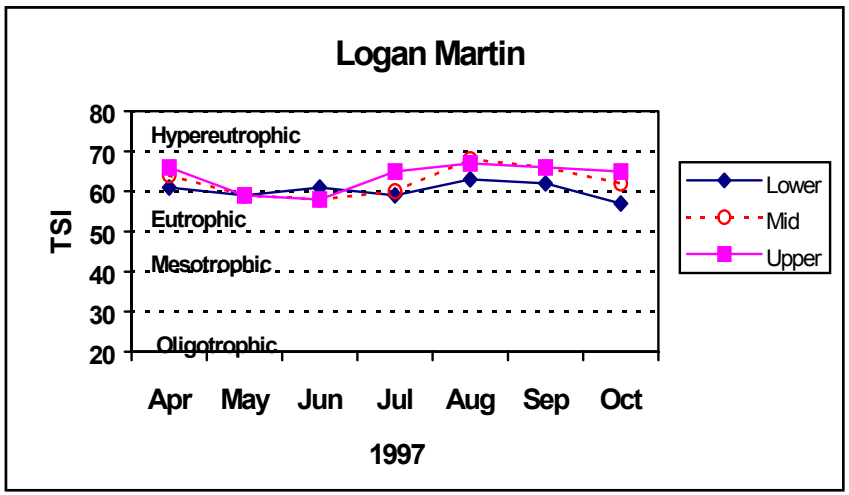


Figure I.16. Total nitrogen (TN), lake mean TN vs. discharge, total phosphorus (TP), and lake mean TP vs. discharge of Logan Martin Reservoir, April-October 1997.







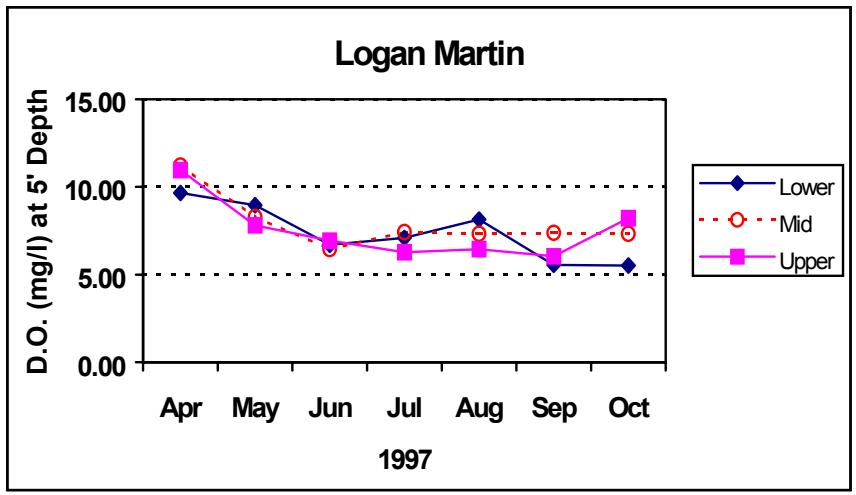


Figure I.17. Chlorophyll *a*, lake mean chlorophyll *a* vs. discharge, trophic state index (TSI), and dissolved oxygen (DO) of Logan Martin Reservoir, April-October 1997.

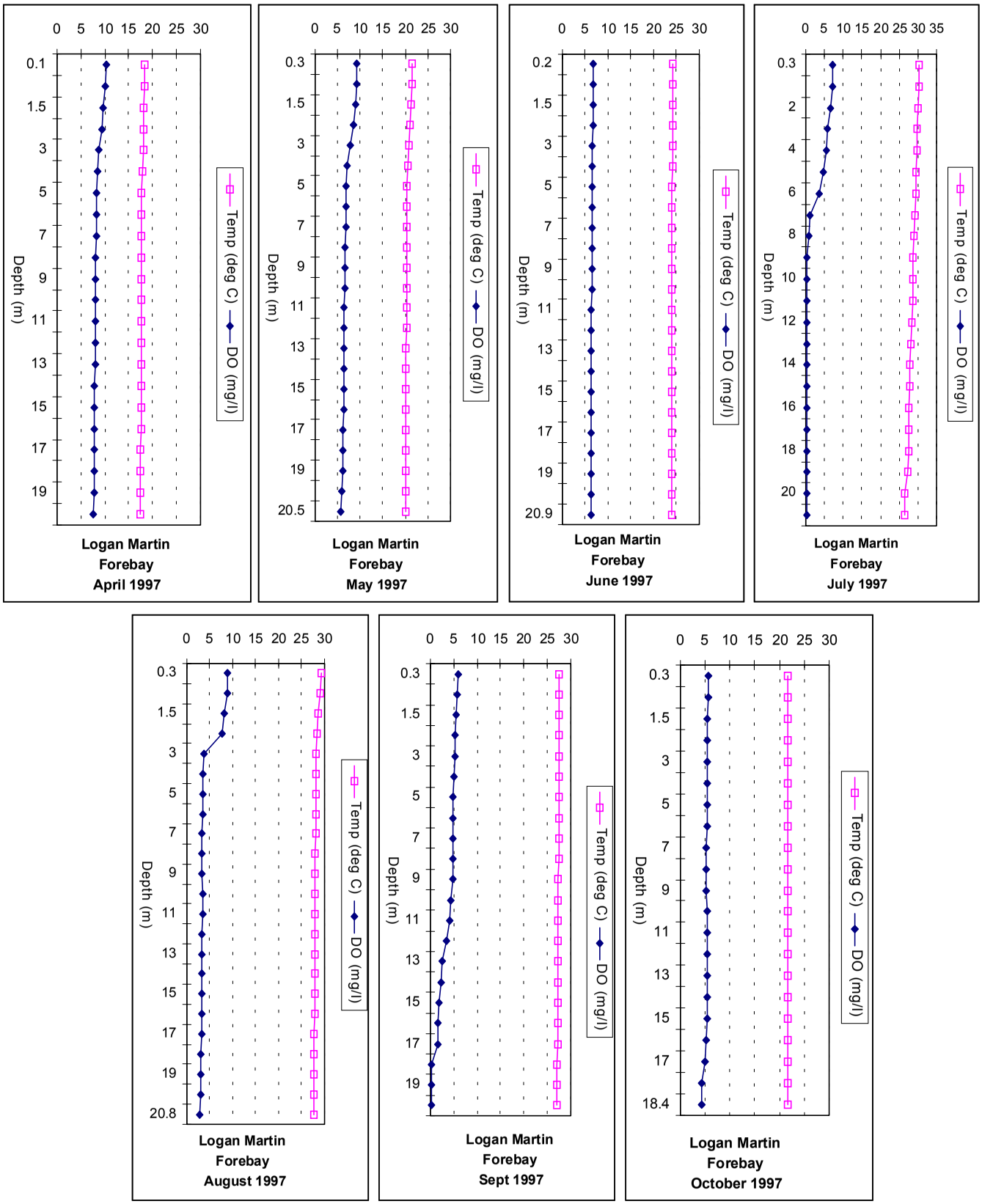
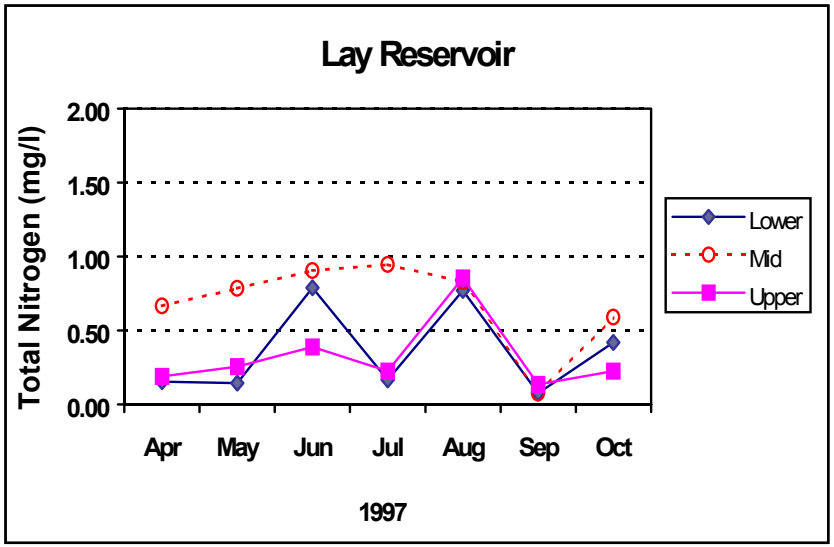
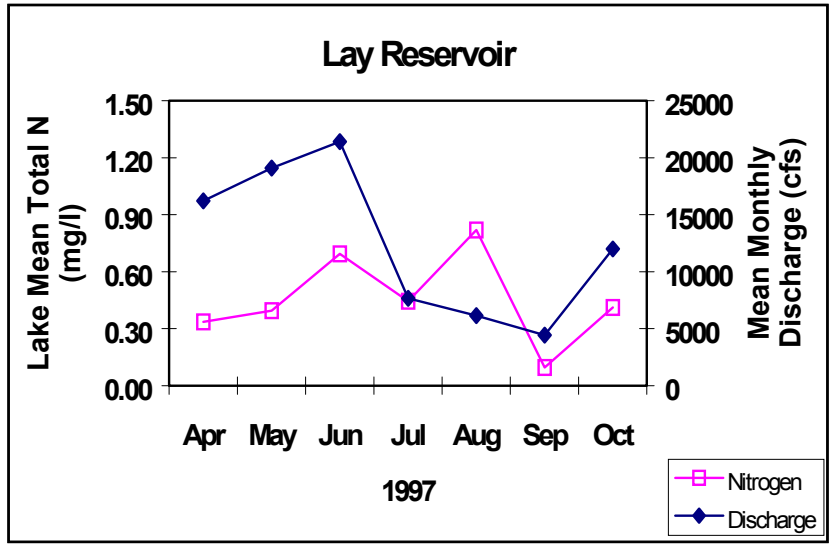
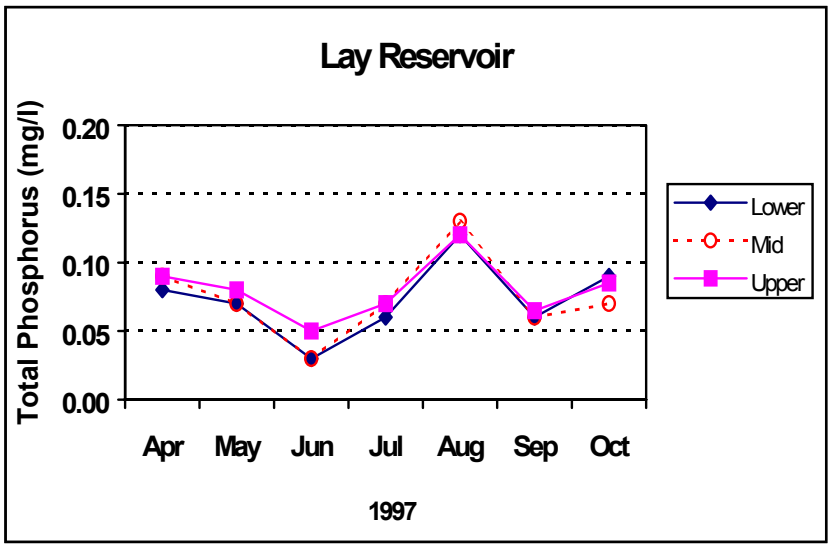


Figure I.18. Depth profiles of dissolved oxygen (DO) and temperature (Temp) in the dam forebay of Logan Martin Reservoir April-October 1997.







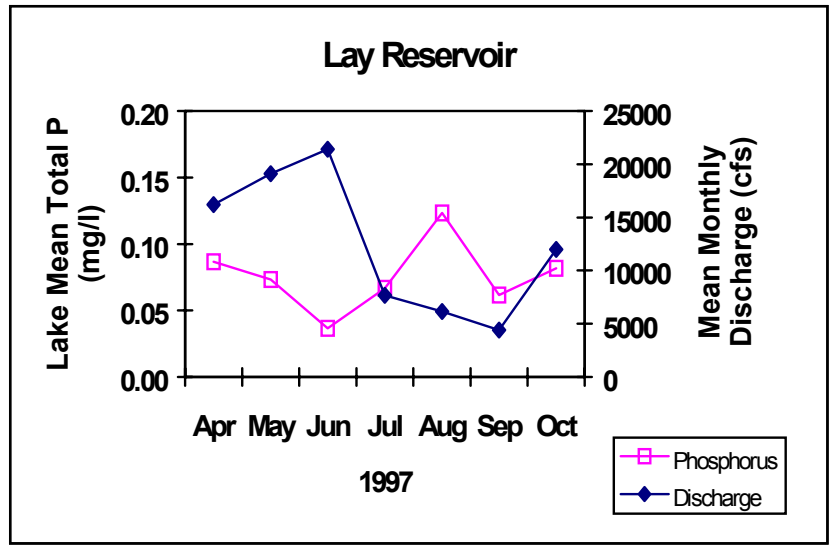
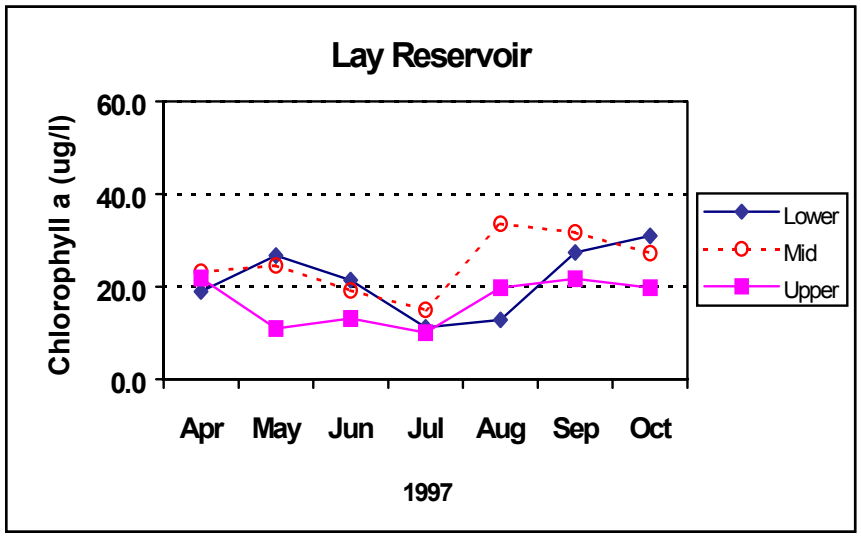
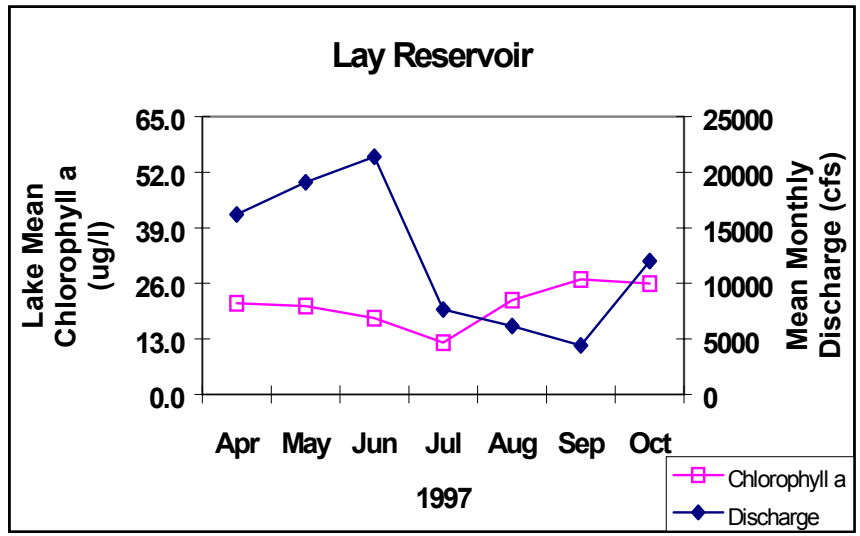
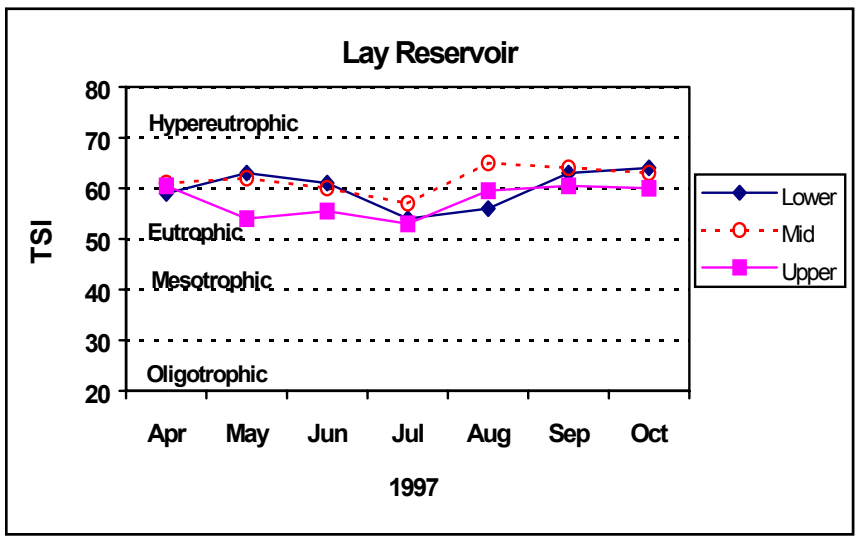


Figure I.19. Total nitrogen (TN), lake mean TN vs. discharge, total phosphorus (TP), lake mean TP vs. discharge of Lay Reservoir, April-October 1997.







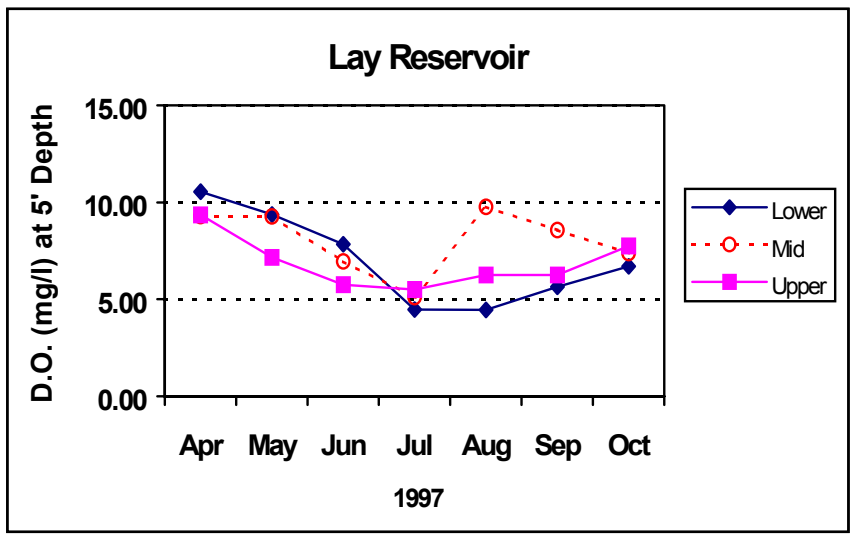


Figure I.20. Chlorophyll *a*, lake mean chlorophyll *a* vs. discharge, trophic state (TSI), and dissolved oxygen (DO) of Lay Reservoir, April-October 1997.

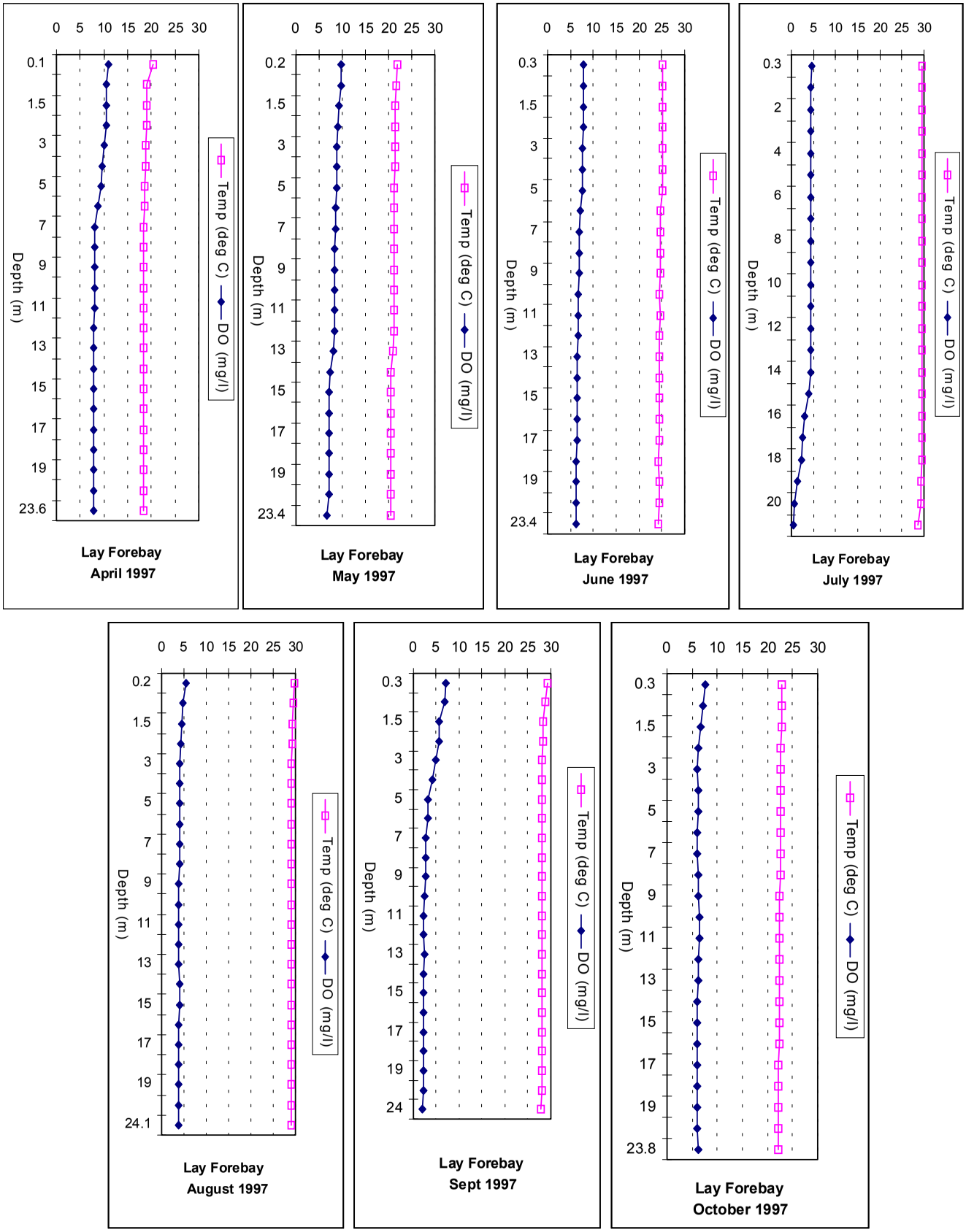
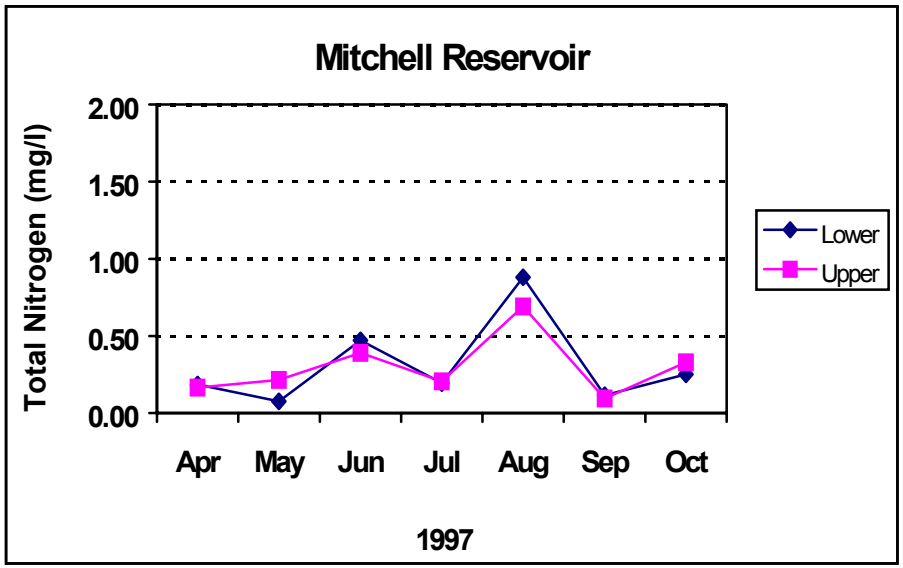
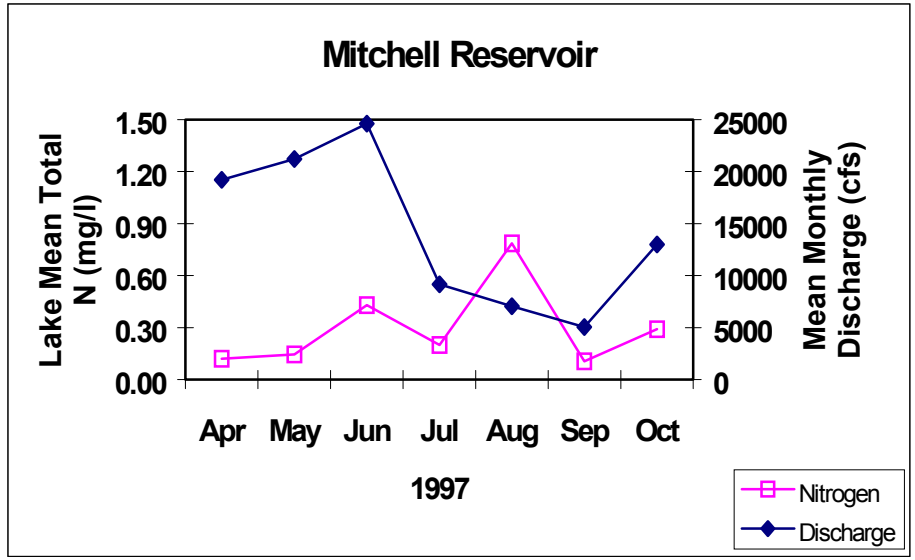
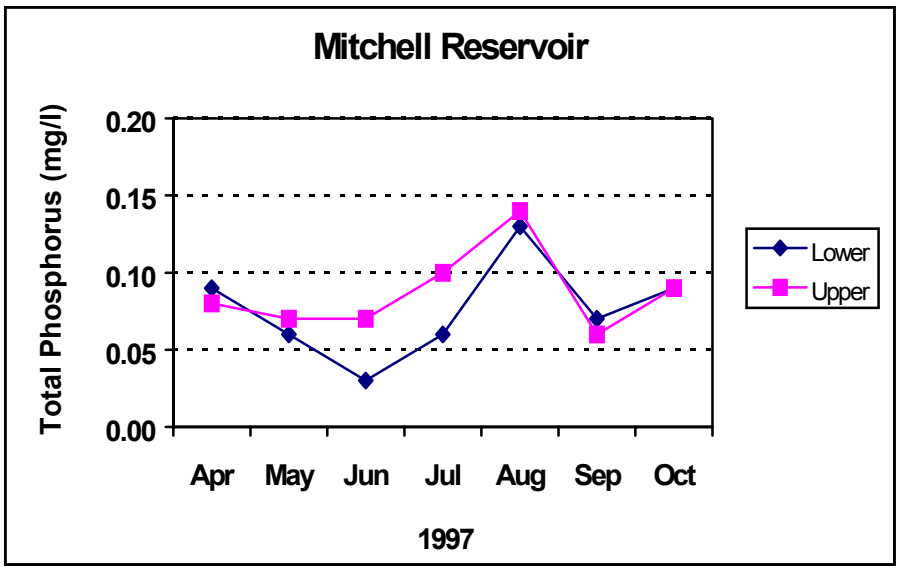


Figure I.21. Depth profiles of dissolved oxygen (DO) and temperature (Temp) in the dam forebay of Lay Reservoir April-October 1997







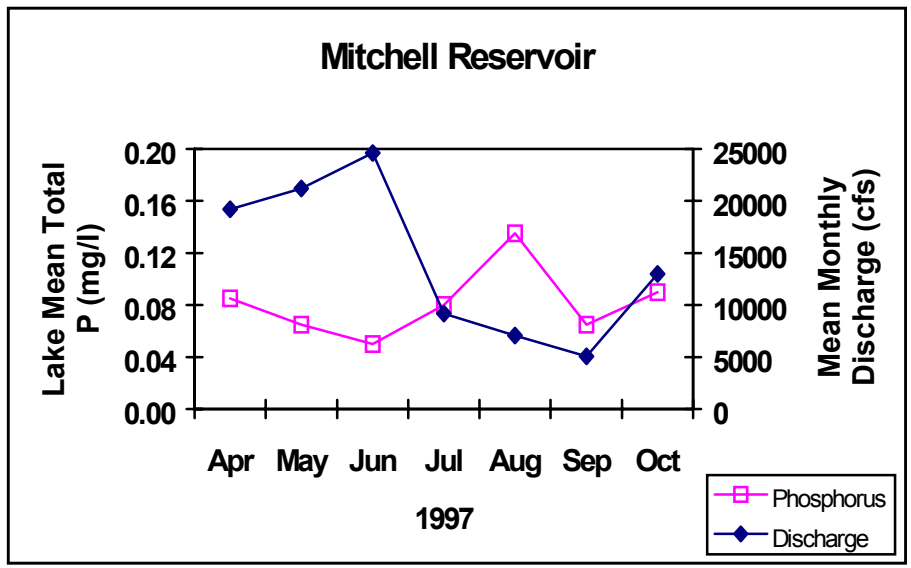
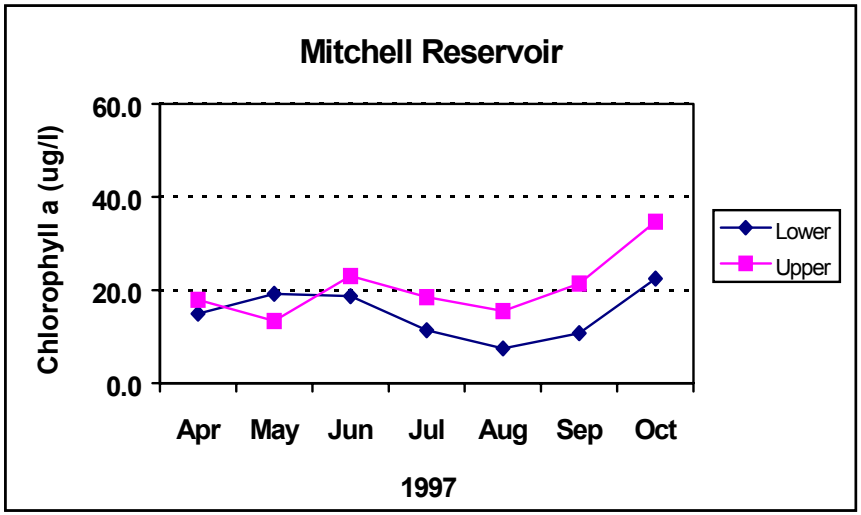
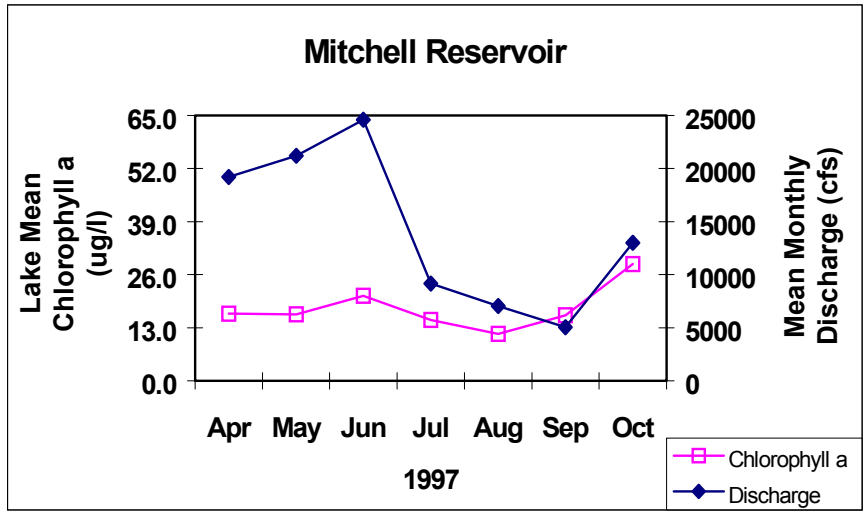
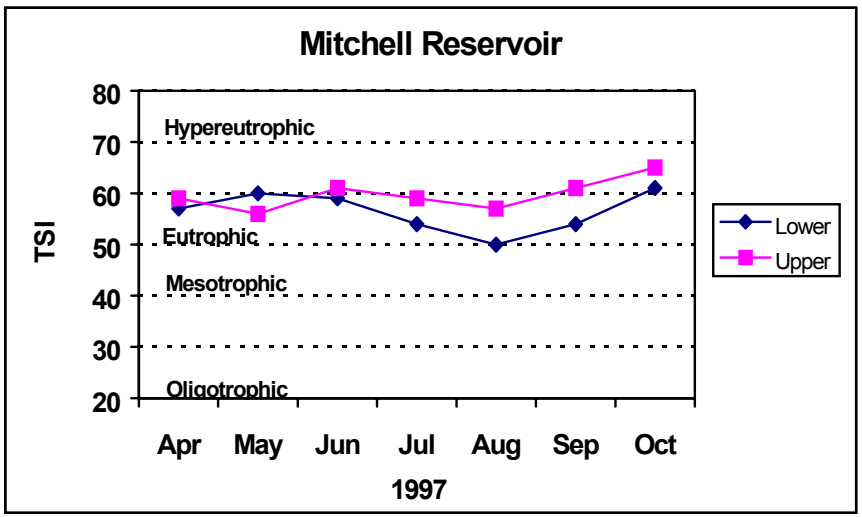


Figure I.22. Total nitrogen (TN), lake mean TN vs. discharge, total phosphorus (TP), and lake mean TP vs. discharge of Mitchell Reservoir, April-October 1997.







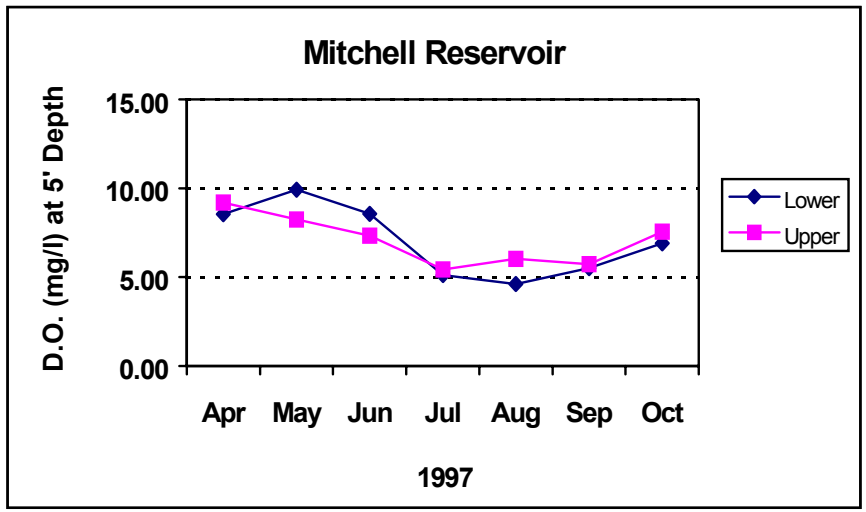


Figure I.23. Chlorophyll *a*, lake mean chlorophyll *a* vs. discharge, trophic state index (TSI), and dissolved oxygen (DO) of Mitchell Reservoir, April-October 1997.

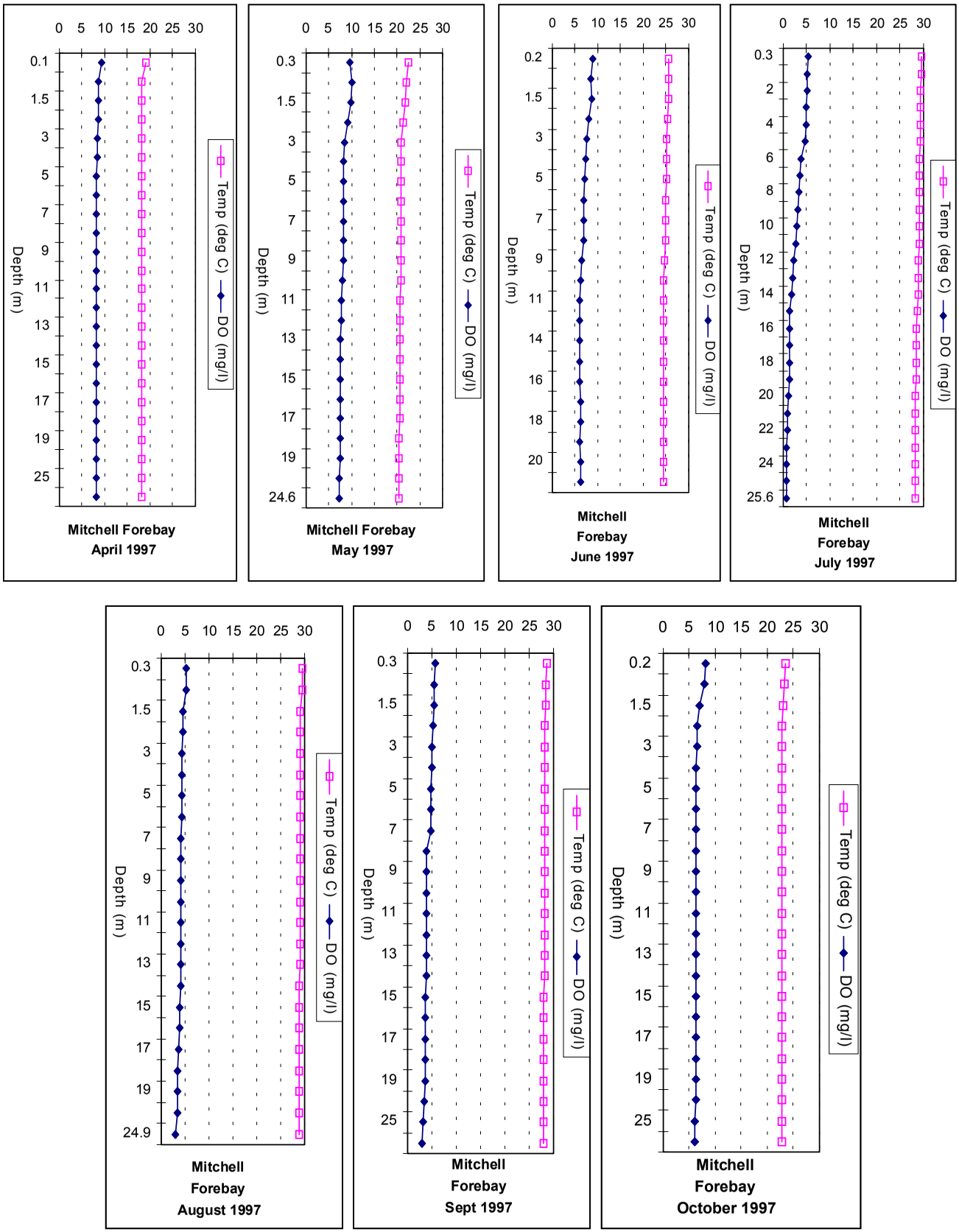
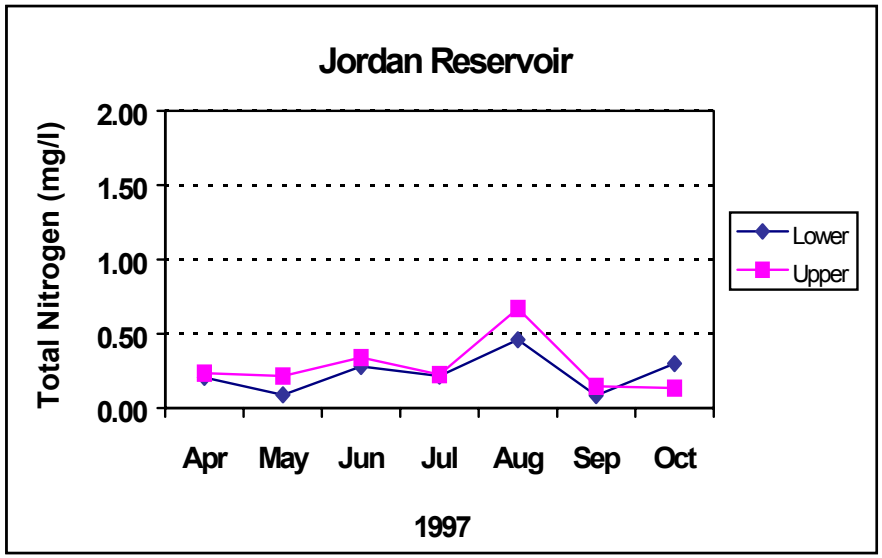
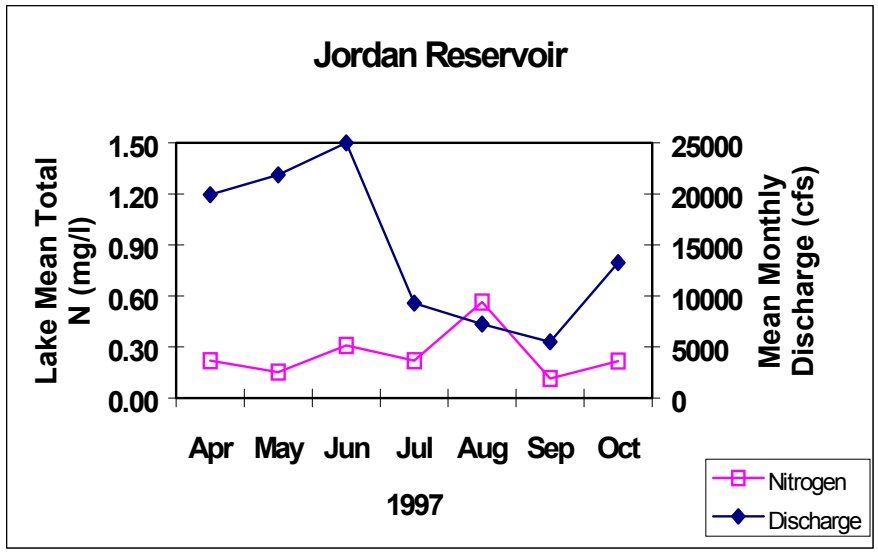
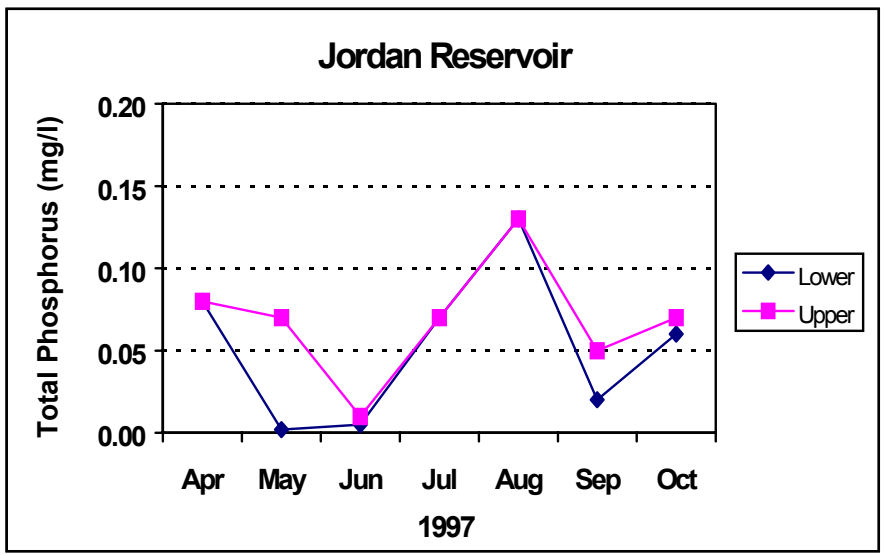


Figure I.24. Depth profiles of dissolved oxygen (DO) and temperature (Temp) in the dam forebay of Mitchell Reservoir April-October 1997.







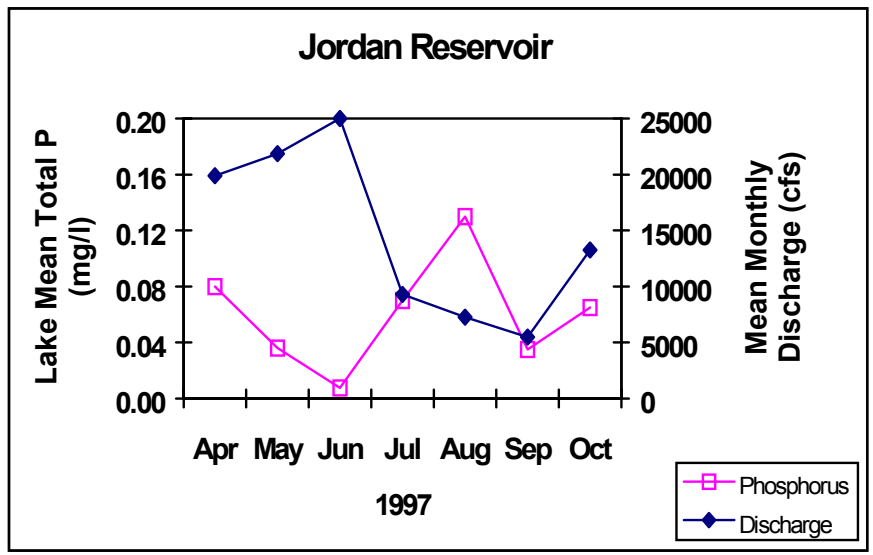
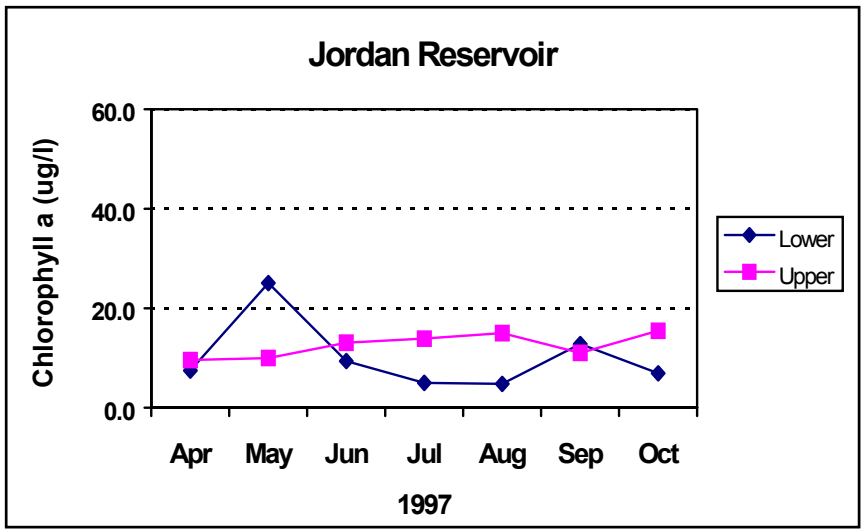
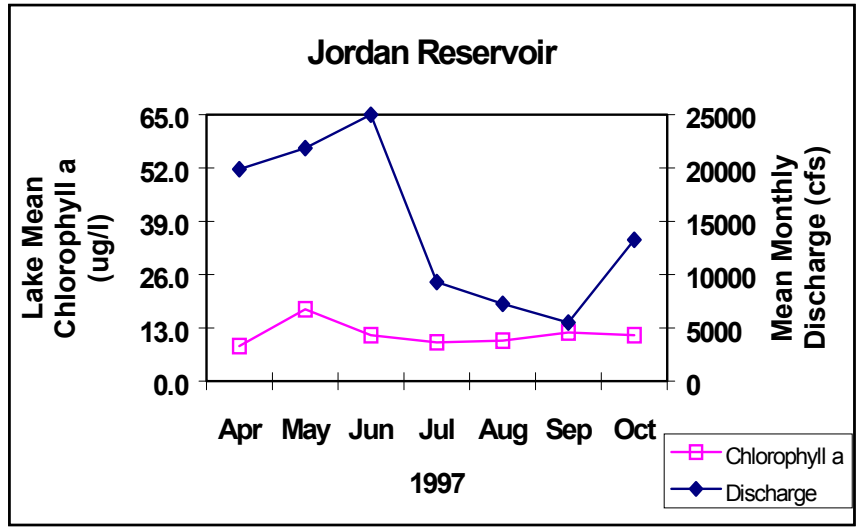
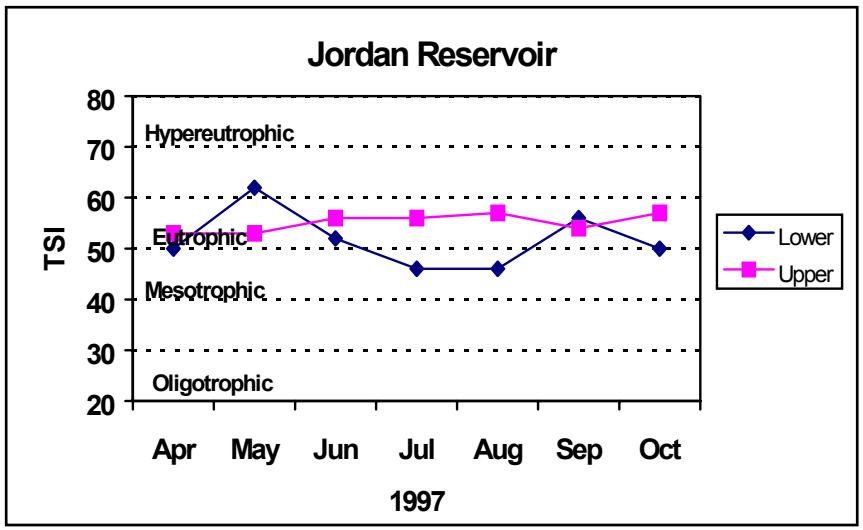


Figure I.25. Total nitrogen (TN), lake mean TN vs. discharge, total phosphorus (TP), and lake mean TP vs. discharge of Jordan Reservoir, April-October 1997.







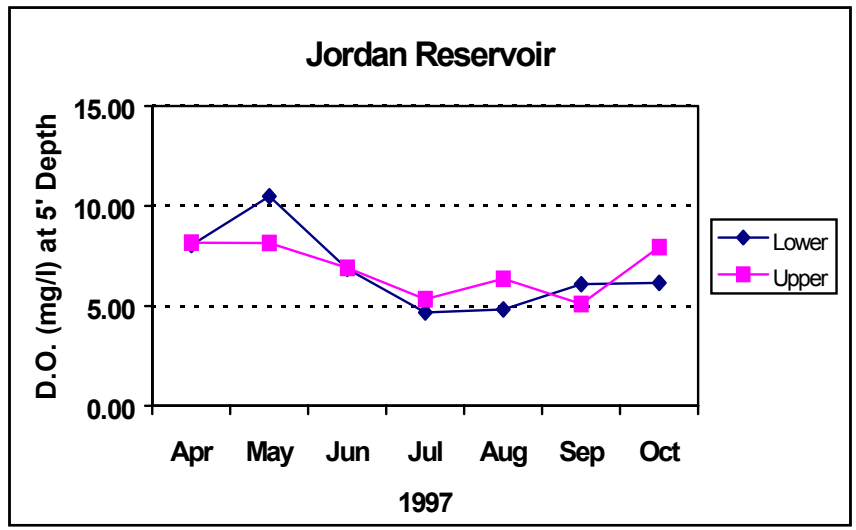


Figure I.26. Chlorophyll *a*, lake mean chlorophyll *a* vs. discharge, trophic state (TSI), and dissolved oxygen (DO) of Jordan Reservoir, April-October 1997.

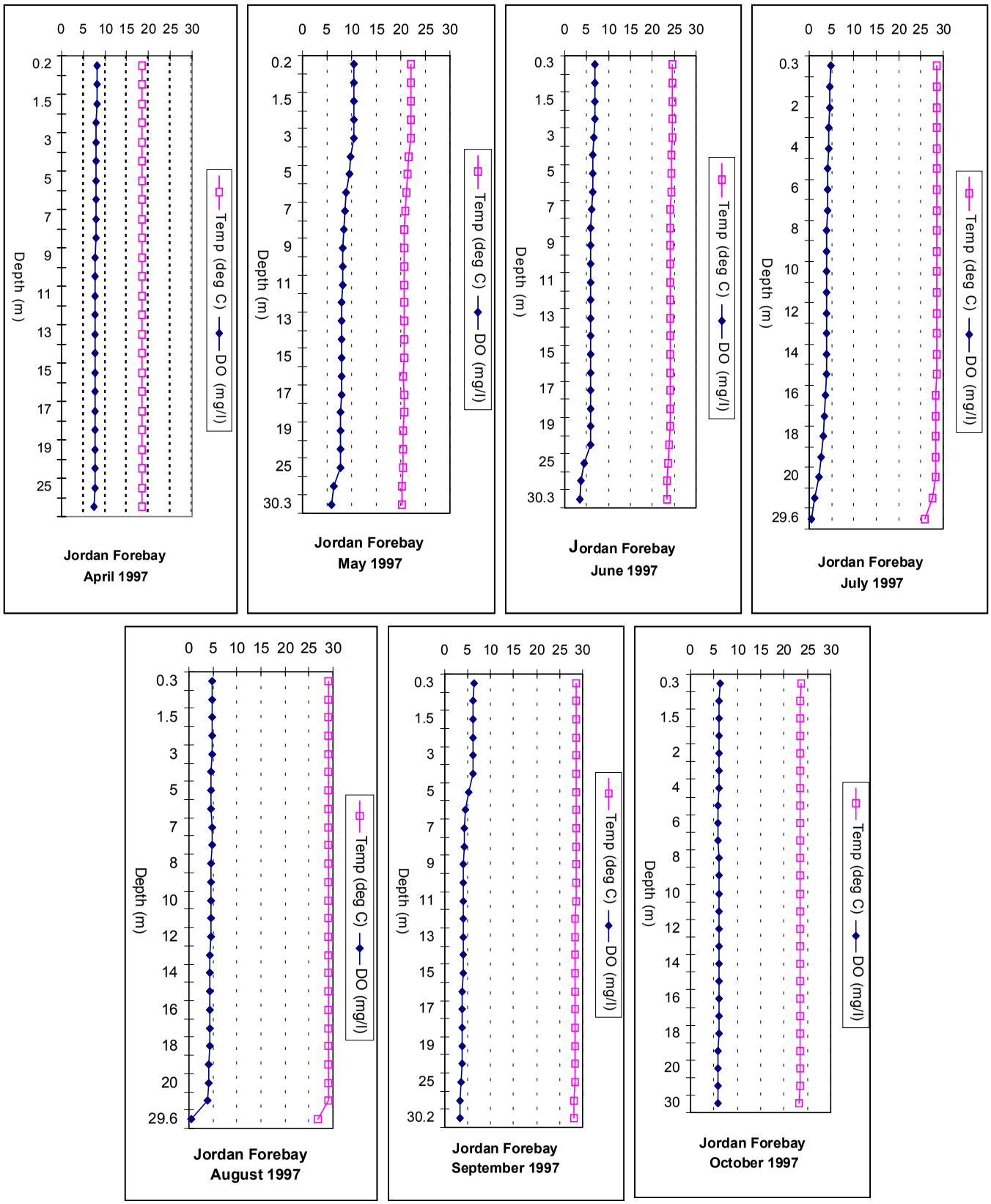
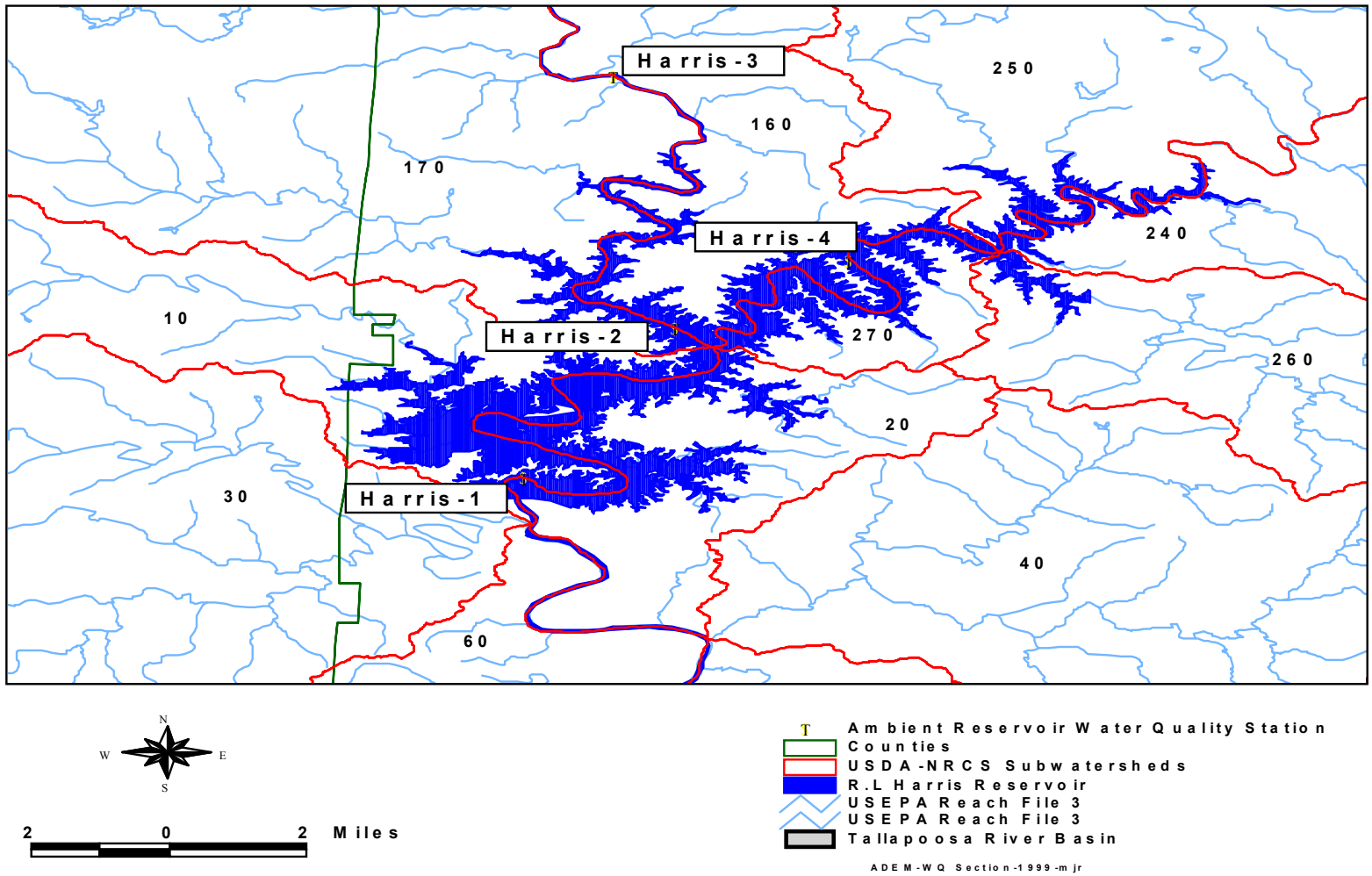


Figure I.27. Depth profiles of dissolved oxygen (DO) and temperature (Temp) in the dam forebay of Jordan Reservoir April-October 1997.

II. TALLAPOOSA RIVER RESERVOIRS

Figure II.1

Harris Reservoir



Harris Reservoir

Nitrogen. Of Tallapoosa reservoir locations, the mean TN concentration for upper Harris Reservoir was second highest to those of Yates Reservoir (Fig. II.5). Within the reservoir, the mean TN value from the Little Tallapoosa River portion of Harris was second to that of the upper reservoir followed by values for the mid and lower locations.

Monthly TN concentrations for upper Harris Reservoir increased from April to their highest point in August (Fig. II.6). TN concentrations of other reservoir locations were variable April-July but increased to their highest points in August. TN concentrations at all locations decreased sharply in September.

Lake mean TN concentrations (mean of all stations) decreased April-June as lake discharge increased (Fig. II.6). Lake discharge decreased July-September as lake mean TN increased to its highest point in August and declined in September.

Phosphorus. Of Tallapoosa reservoir locations, the mean TP concentration for upper Harris Reservoir was second highest toYates Reservoir (Fig. II.5). Within Harris, mean TP concentrations for the Little Tallapoosa and mid reservoir were below that of the upper reservoir , followed by the lower reservoir.

Monthly TP concentrations were variable at all locations (Fig. II.6). Highest concentrations in the upper reservoir occurred in July while highest concentrations in the other reservoir locations occurred April-May. Lowest concentrations at all locations occurred in June.

Lake mean TP concentrations (mean of all stations) were highest April-May and July with lake discharge increasing through June and decreasing afterward (Fig. II.6). Lowest lake mean TP concentrations occurred in June when lake discharge was greatest.

Algal Growth Potential Tests. Phosphorus was indicated as the limiting nutrient at all locations during August (Table II.1). Mean MSC values at the Little Tallapoosa, upper, mid, and lower reservoir locations (3.55, 4.55, 1.82, and 1.59 mg/l respectively) were below the maximum 5.0 mg/l level suggested to assure protection from nuisance algal blooms and fish-kills in southeastern lakes.

Chlorophyll a. Mean chlorophyll *a* concentrations in the upper, mid, and Little Tallapoosa reservoir locations were, with the exception of the Sougahatchee embayment of Yates Reservoir, highest overall of Tallapoosa locations (Fig. II.5). Within Harris, highest mean concentrations occurred in the Little Tallapoosa with lowest concentrations occurring in the lower reservoir.

Monthly chlorophyll *a* concentrations were variable at all locations (Fig. II.7). In the Little Tallapoosa location, lowest concentrations occurred in June and increased thereafter to their highest level in September. In the upper reservoir, highest concentrations occurred in May and lowest concentrations in April and June. At mid reservoir highest concentrations occurred in April and August with the lowest concentration occurring in June. In the lower reservoir, the highest concentration occurred in July and the lowest concentration in April.

Lake mean chlorophyll *a* concentrations (mean of all stations) were variable with lowest concentrations occurring during highest lake discharge in June (Fig. II.7). Mean concentrations were higher July-September as lake discharge decreased.

Trophic state. TSI values in the Little Tallapoosa location of Harris Reservoir were within the lower level of the eutrophic range in all months except June, when values were just within the mesotrophic range (Fig. II.7). In the upper reservoir, TSI values varied from oligotrophic levels in April and June to values in the middle of the eutrophic range in May. TSI values at mid reservoir were within the lower levels of the eutrophic range in all months except June when values were just within the mesotrophic range. In the lower reservoir, TSI values were within the mesotrophic range April-June then increased into the eutrophic range July-August. TSI values in the lower reservoir decreased into the mesotrophic range in September.

Dissolved oxygen/Temperature. DO concentrations in Harris were similar at all locations April-September with highest concentrations in May and lowest concentrations in July (Fig. II.7). Lowest concentrations occurred in the upper reservoir (6.54 mg/l) but were well above the criterion limit of 5.0 mg/l.

Depth profiles of dissolved oxygen from the dam forebay of Harris Reservoir indicated weak chemical stratification in April. Stratification became more pronounced monthly until essentially anoxic conditions occurred from a depth of 6m to the lake

bottom in August and September (Fig. II.8). Similar DO concentrations were observed in the water column at mid-reservoir and the Little Tallapoosa location in these months (Appendix).

Depth profiles of temperature indicated weak thermal stratification in April that intensified in the upper water column May-July as a pronounced thermocline developed at a depth of 3-7m (Fig. II.8). A pronounced thermocline also existed between 20 and 25m depth April-September. Highest water column temperatures occurred in July.

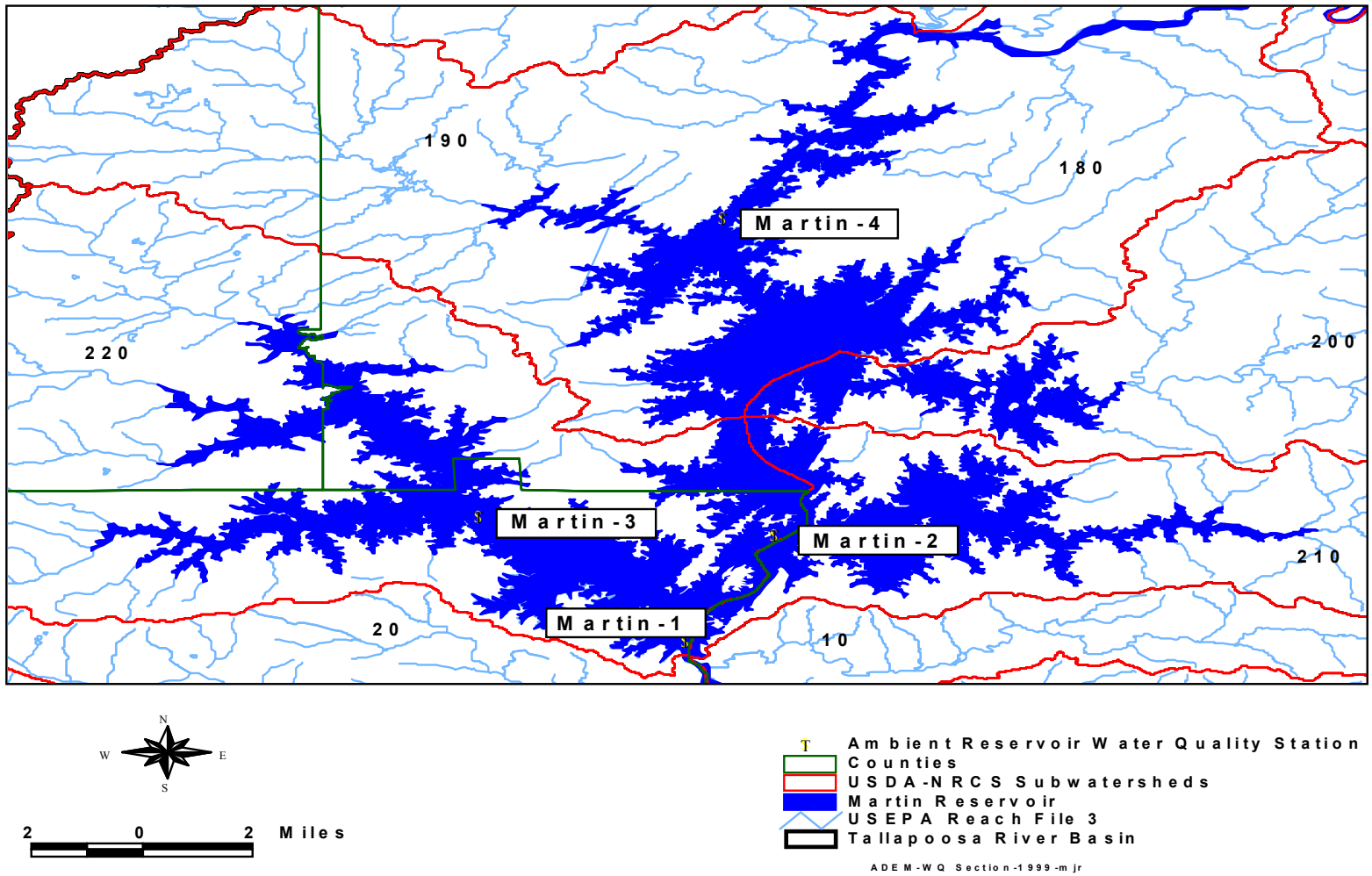
Discussion. Nutrient concentrations in upper Harris Reservoir were highest of mainstem Tallapoosa reservoir locations. However, phosphorus was indicated as the limiting nutrient at all locations of Harris in August and mean MSC values were below the maximum 5.0 mg/l level suggested to assure protection from nuisance algal blooms and fish-kills in southeastern lakes.

Mean chlorophyll *a* concentrations in several locations of Harris Reservoir were highest of mainstem Tallapoosa reservoir locations. However, TSI values derived from chlorophyll concentrations were never above the mid eutrophic range and on occasion dropped into the mesotrophic and oligotrophic range from April-September.

Dissolved oxygen concentrations were well above criterion limits April-September though large portions of the water column in the dam forebay were essentially anoxic in August and September. Similar DO concentrations were observed in the water column at mid-reservoir and the Little Tallapoosa location in these months.

Figure II.2

Martin Reservoir



Martin Reservoir

Nitrogen. Mean TN concentrations of Martin Reservoir were similar to those of Harris Reservoir (Fig. II.5). Highest mean TN concentrations occurred at mid-reservoir followed by the upper reservoir, Kowaliga, and the lower reservoir.

Monthly TN concentrations were similar at the upper reservoir, Kowaliga, and the lower reservoir and changed little April-July (Fig. II.9). TN concentrations increased greatly at these locations in August and decreased to the lowest levels in September. At mid reservoir, TN concentrations increased April-August then decreased to the lowest level in September.

Lake mean TN values (mean of all stations) changed little April-July, increased to the highest level in August, then decreased to the lowest level in September (Fig. II.9). Lake discharge during this period increased April-June then decreased through September.

Phosphorus. Mean TP concentrations for Martin Reservoir were similar to those of mid and lower Harris Reservoir (Fig. II.5). Highest mean TP occurred at the upper and lower reservoir locations, followed by Kowaliga and the mid reservoir respectively.

Monthly TP concentrations were variable at all locations April-September (Fig. II.9). Highest concentrations in the upper reservoir, Kowaliga, and mid reservoir occurred April-May and in the lower reservoir in July. Lowest concentrations at all locations occurred in June.

Lake mean TP concentrations (mean of all stations) were highest April-May and lowest in June when lake discharge was highest (Fig. II.9). Lake discharge increased April-June and decreased afterward.

Algal Growth Potential Tests. Phosphorus was indicated as the limiting nutrient in upper and lower Martin Reservoir in August (Table II.1). In the mid reservoir and Kowaliga, nitrogen and phosphorus were co-limiting. Mean MSC values for the upper, mid, Kowaliga, and lower reservoir locations (2.60, 1.83, 1.58, and 1.75 mg/l, respectively) were well below the maximum 5.0 mg/l level suggested to assure protection from nuisance algal blooms and fish-kills in southeastern lakes.

Chlorophyll a. Mean chlorophyll *a* concentrations for Martin Reservoir were, with the exception of the upper reservoir, much lower than those of upstream Harris Reservoir (Fig. II.5). Highest mean concentrations occurred in the upper reservoir, followed by the mid reservoir, lower reservoir, and Kowaliga respectively.

Monthly chlorophyll *a* concentrations in the upper reservoir increased April-July and decreased afterward (Fig. II.10). At mid-reservoir, concentrations were variable with highest concentrations in August and lowest concentrations in May and July. At Kowaliga, concentrations increased April-July and decreased afterward. Concentrations in the lower reservoir increased April-August and decreased in September.

Lake mean chlorophyll *a* concentrations (mean of all stations) increased April-August and declined in September (Fig. II.10). Lake discharge increased April-June then decreased afterward.

Trophic state. TSI values in the upper reservoir increased from the mesotrophic range in April to the lower levels of the eutrophic range May-September (Fig. II.10). At mid reservoir, TSI values varied from the oligotrophic range in May to the mesotrophic range in April and June-September. At Kowaliga, TSI values increased from the oligotrophic range in April-May to the mesotrophic range June-September. TSI values for the lower reservoir increased from the oligotrophic range in April-May to the mesotrophic range June-September.

Dissolved oxygen/Temperature. DO concentrations decreased at all locations April-May then increased August-September (Fig. II.10). Concentrations were well above the criterion limit of 5.0 mg/l April-September.

Depth profiles of dissolved oxygen from the dam forebay of Martin Reservoir indicated essentially isochemical conditions in April with stratification beginning in May and becoming more pronounced monthly (Fig. II.11). DO concentrations in the dam forebay decreased monthly until the water column was essentially anoxic from a depth of 11m to the lake bottom by September. Similar DO concentrations were observed in the water column at all reservoir locations during this month (Appendix).

Depth profiles of temperature indicated thermal stratification at one or more depths in the water column from April-September (Fig. II.11). An upper water column

thermocline occurred at various depths while a lower water column thermocline persisted at approximately 25m depth April-September.

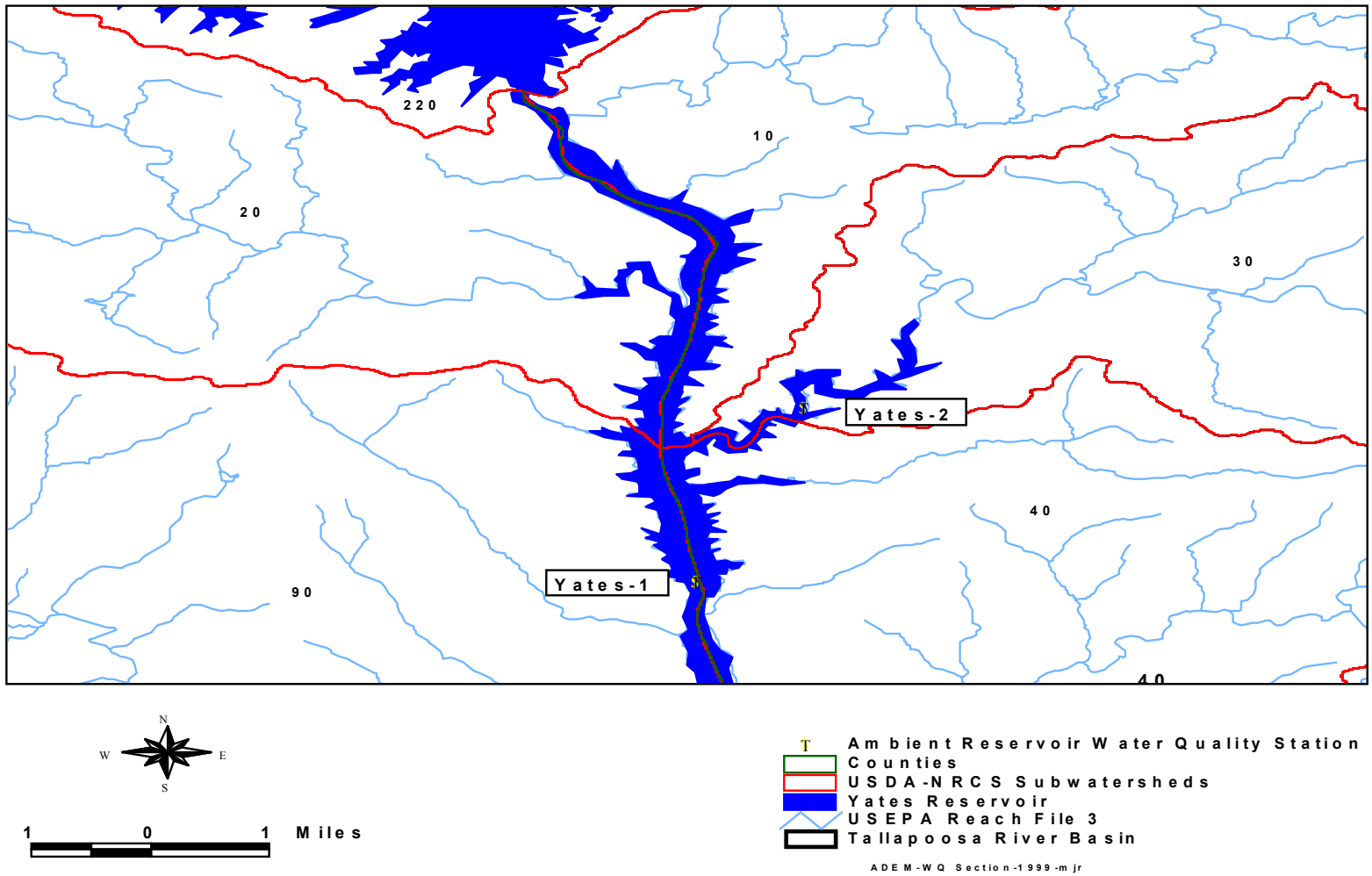
Discussion. Nutrient concentrations in Martin Reservoir were generally similar to those of Harris Reservoir. Phosphorus was indicated as the limiting or co-limiting nutrient at all locations in August and mean MSC values were below the maximum 5.0 mg/l level suggested to assure protection from nuisance algal blooms and fish-kills in southeastern lakes.

Mean chlorophyll *a* concentrations were, with the exception of the upper reservoir, much lower than those of Harris and simlar to those of Yates and Thurlow Reservoirs. TSI values derived from chlorophyll concentrations were often within the oligotrophic to mesotrophic range with only the upper reservoir location reaching eutrophic levels.

DO concentrations were above criterion limits April-September. However, DO concentrations in the dam forebay decreased monthly until the majority of the water column was essentially anoxic in September. Similar DO concentrations were observed in the water column at all reservoir locations during this month

Figure II.3

Yates Reservoir



Yates Reservoir

Nitrogen. Mean TN concentrations in the Sougahatchee Creek embayment and lower Yates Reservoir were highest of Tallapoosa reservoir locations (Fig. II.5). Concentrations in lower Yates Reservoir were much higher than those of Martin Reservoir. Higher concentrations in Yates are likely attributable in part to the effects of Sougahatchee Creek, which enters Yates upstream of the lower reservoir location.

Monthly TN concentrations in lower Yates Reservoir increased April-August and declined in September (Fig. II.12). With the exception of decreased TN in July, concentrations in the Sougahatchee Creek embayment of Yates followed a similar pattern to those of the lower reservoir. TN concentrations in the lower reservoir increased April-August though lake discharge declined after June (Fig. II.12).

Phosphorus. Mean TP concentrations in the Sougahatchee Creek embayment and lower Yates Reservoir were, along with upper Harris Reservoir, highest of Tallapoosa reservoir locations (Fig. II.5). Concentrations in lower Yates Reservoir were higher than those of Martin Reservoir. Higher concentrations in Yates are likely attributable in part to the effects of Sougahatchee Creek, which enters Yates upstream of the lower reservoir location.

Monthly TP concentrations in Yates Reservoir were variable April-September. Highest concentrations in the Sougahatchee Creek embayment occurred in August and in the lower reservoir in July (Fig. II.13). Lowest concentrations occurred in June at both locations. TP concentrations in the lower reservoir declined as discharge increased April-June (Fig. II.13). Concentrations were variable July-September as discharge decreased.

Algal Growth Potential Tests. Nitrogen was indicated as the limiting nutrient in the Sougahatchee Creek embayment during August (Table II.1). The mean MSC value for the embayment (36.92) was well above the maximum 5.0 mg/l level suggested to assure protection from nuisance algal blooms and fish-kills in southeastern lakes. In the lower reservoir, phosphorus was indicated as the limiting nutrient in August. The mean MSC value for the lower reservoir (1.29 mg/l) was well below the maximum 5.0 mg/l

level suggested to assure protection from nuisance algal blooms and fish-kills in southeastern lakes.

Chlorophyll a. The mean chlorophyll *a* concentration for the Sougahatchee Creek embayment of Yates Reservoir was highest of Tallapoosa reservoir locations (Fig. II.5). The mean concentration for lower Yates Reservoir was higher than those of mid and lower Martin Reservoir. The higher concentration for Yates is likely attributable in part to the effects of Sougahatchee Creek, which enters Yates upstream of the lower reservoir location.

Monthly chlorophyll *a* concentrations for the Sougahatchee Creek embayment of Yates increased overall April-September, with the greatest increase occurring August-September (Fig. II.14). Concentrations in lower Yates Reservoir decreased April-June then were variable through September. Highest concentrations in lower Yates occurred in April and September with lowest concentrations occurring in June.

Chlorophyll *a* concentrations in lower Yates Reservoir declined as lake discharge increased April-June (Fig. II.14). Concentrations increased overall July-September as lake discharge declined.

Trophic state. TSI values for the Sougahatchee Creek embayment of Yates Reservoir increased from oligotrophic levels in April to highly eutrophic levels in September (Fig. II.15). In lower Yates Reservoir, TSI values decreased from lower eutrophic levels in April to oligotrophic levels in June. TSI values generally increased to lower eutrophic levels July-September.

Dissolved oxygen/Temperature. DO concentrations in the Sougahatchee Creek embayment of Yates Reservoir decreased April-August then increased in September (Fig. II.15). Concentrations were above the criterion limit of 5.0 mg/l in all months sampled. DO concentrations in lower Yates Reservoir decreased April-July then increased through September. Concentrations in July (5.74 mg/l) were near the criterion limit.

Depth profiles of dissolved oxygen in the dam forebay of Yates Reservoir indicated weak chemical stratification April-July (Fig. II.16). Stratification became more pronounced August-September with the development of a strong chemocline at 3-4 m depth in the latter month. Lowest water column DO concentrations occurred in

September. Anoxic conditions did not occur in the water column of lower Yates Reservoir in the months sampled.

Depth profiles of temperature in the dam forebay of Yates Reservoir indicated weak thermal stratification April-May with a thermocline developing between the surface and 2m in June (Fig. II.16). Stratification broke down in July then began to develop again in August. By September, a strong thermocline developed at 3-4 m depth. Highest water column temperatures occurred in July.

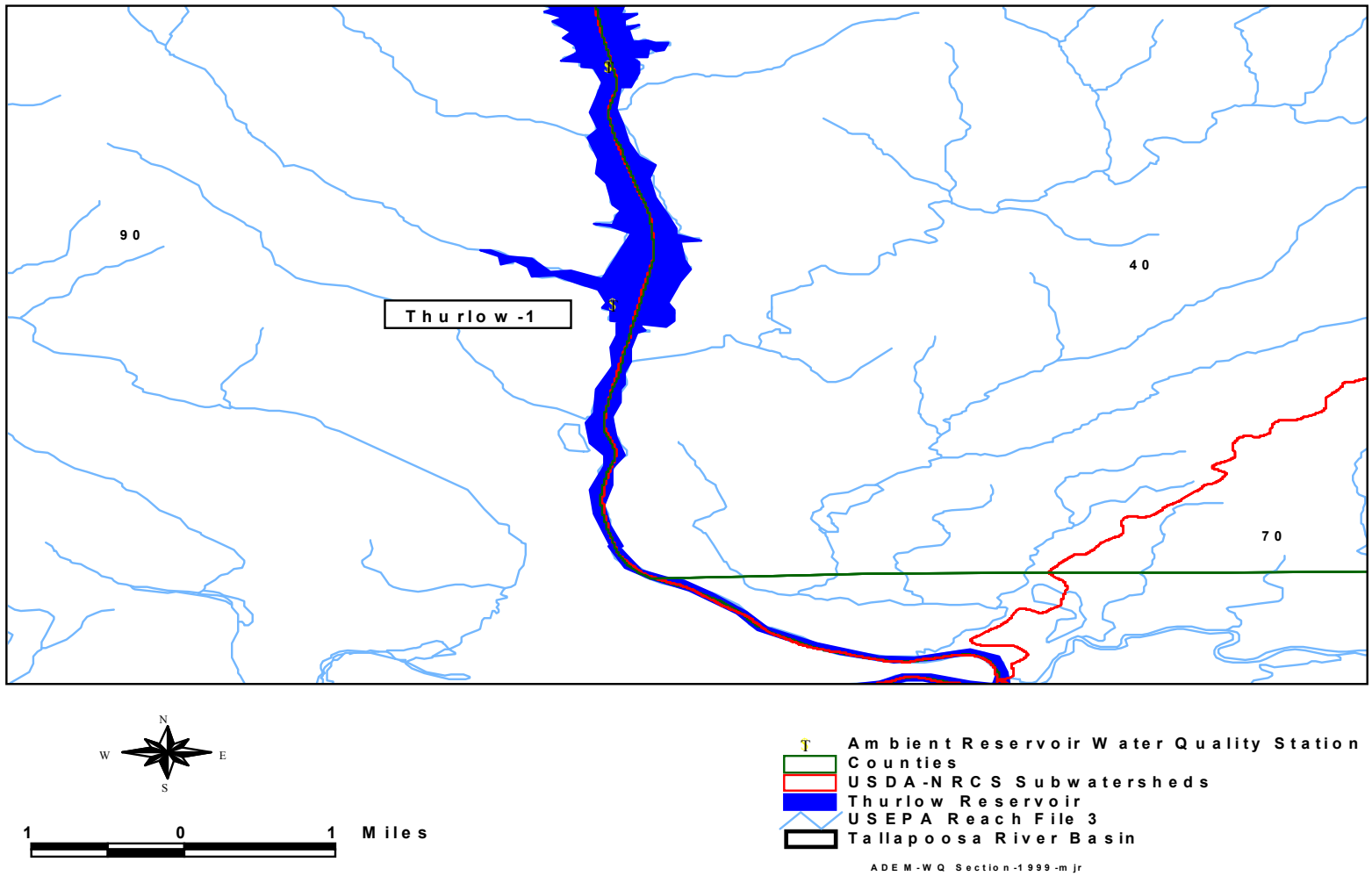
Discussion. Nutrient concentrations in the Sougahatchee Creek embayment and lower Yates Reservoir were higher than those of most other Tallapoosa reservoir locations. The concentrations in the lower reservoir are likely attributable in part to the effects of Sougahatchee Creek, which enters Yates upstream of the lower reservoir location. Nitrogen was indicated as the limiting nutrient in the Sougahatchee Creek embayment with the mean MSC value over seven times the maximum 5.0 mg/l level suggested to assure protection from nuisance algal blooms and fish-kills in southeastern lakes. In the lower reservoir, however, phosphorus was indicated as the limiting nutrient and the mean MSC value was well below the maximum 5.0 mg/l level.

The mean chlorophyll *a* concentration for the Sougahatchee Creek embayment was highest of Tallapoosa reservoir locations while the mean concentration for lower Yates Reservoir was higher than those of mid and lower Martin Reservoir. The higher concentration for lower Yates Reservoir is likely attributable in part to the effects of Sougahatchee Creek, which enters Yates upstream of the lower reservoir location. TSI values derived from chlorophyll *a* concentrations indicated that the trophic state of the Sougahatchee Creek embayment increased from oligotrophic levels in April to highly eutrophic levels in September. TSI values for lower Yates Reservoir varied with values ranging from oligotrophic to eutrophic levels April-September.

DO concentrations for Yates Reservoir were above the criterion limit April-September though values in the lower reservoir during July were near the limit. Anoxic conditions did not occur in the water column of lower Yates Reservoir in the months sampled

Figure II.4

Thurlow Reservoir



Thurlow Reservoir

Nitrogen. Mean TN concentrations in Thurlow Reservoir were lower than those of Yates Reservoir (Fig. II.5). Concentrations in Thurlow were higher than a number of Harris and Martin Reservoir locations. Higher TN concentrations in Thurlow may be attributable in part to the effects of upstream Yates Reservoir.

Monthly TN concentrations in Thurlow increased April-August then declined in September (Fig. II.12). Highest concentrations occurred in August with lowest concentrations in September. TN concentrations in Thurlow increased April-August though lake discharge decreased after June (Fig. II.12).

Phosphorus. With the exception of upper Harris Reservoir and Yates Reservoir, mean TP concentrations in Thurlow were higher than those of other Tallapoosa reservoir locations (Fig. II.5). Higher TP concentrations in Thurlow may be attributable in part to the effects of upstream Yates Reservoir.

Monthly TP concentrations for Thurlow Reservoir were variable April-September (Fig. II.13). Highest concentrations occurred in August with lowest concentrations in June. TP concentrations declined April-June as lake discharge increased (Fig. II.13). In July-August, TP concentrations increased as lake discharge declined.

Algal Growth Potential Tests. Phosphorus was indicated as the limiting nutrient in Thurlow Reservoir in August (Table II.1). Mean MSC values for Thurlow (1.39 mg/l) were well below the maximum 5.0 mg/l level suggested to assure protection from nuisance algal blooms and fish-kills in southeastern lakes.

Chlorophyll a. Mean chlorophyll *a* concentrations for Thurlow Reservoir were less than those of Yates Reservoir but greater than those of mid and lower Martin Reservoir (Fig. II.5) Higher chlorophyll *a* concentrations in Thurlow may be attributable in part to the effects of upstream Yates Reservoir.

Monthly chlorophyll *a* concentrations in Thurlow Reservoir were very similar to those of lower Yates Reservoir (Fig. II.14). Concentrations decreased April-June then were variable through September. Highest concentrations occurred in April with lowest concentrations in June and August.

Chlorophyll *a* concentrations declined as lake discharge increased April-June (Fig. II.14). Concentrations increased overall July-September as lake discharge declined.

Trophic state. TSI values in Thurlow Reservoir were very similar to those of lower Yates Reservoir (Fig. II.15). TSI values in Thurlow decreased from lower eutrophic levels in April to oligotrophic levels in June. TSI values generally increased to lower eutrophic levels July-September.

Dissolved oxygen/Temperature. DO concentrations in Thurlow Reservoir were above criterion limits of 5.0 mg/l in the months sampled (Fig. II.15). Highest concentrations occurred in April with lowest concentrations in August.

Depth profiles of dissolved oxygen and temperature in the dam forebay of Thurlow Reservoir indicate essentially isothermal and isochemical conditions April-May and July-August (Fig. II.17). Thermal stratification developed in the upper water column in June and weak chemical stratification developed in September. Anoxic conditions did not develop in the water column April-September.

Discussion. Nutrient concentrations in Thurlow Reservoir were higher than a number of other Tallapoosa Reservoir locations. Higher concentrations in Thurlow may be attributable in part to the effects of upstream Yates Reservoir. Phosphorus was indicated as the limiting nutrient in August, however, and mean MSC values were well below the maximum 5.0 mg/l level suggested to assure protection from nuisance algal blooms and fish-kills in southeastern lakes.

Chlorophyll *a* concentrations in Thurlow were higher than those of mid and lower Martin Reservoir. Higher chlorophyll *a* concentrations in Thurlow may be attributable in part to the effects of upstream Yates Reservoir. TSI values derived from these concentrations were very similar to those of lower Yates Reservoir. TSI values decreased from lower eutrophic levels in April to oligotrophic levels in June. TSI values generally increased to lower eutrophic levels July-September.

DO concentrations for Thurlow Reservoir were above the criterion limit April-September. Anoxic conditions did not occur in the water column of Thurlow Reservoir in the months sampled.

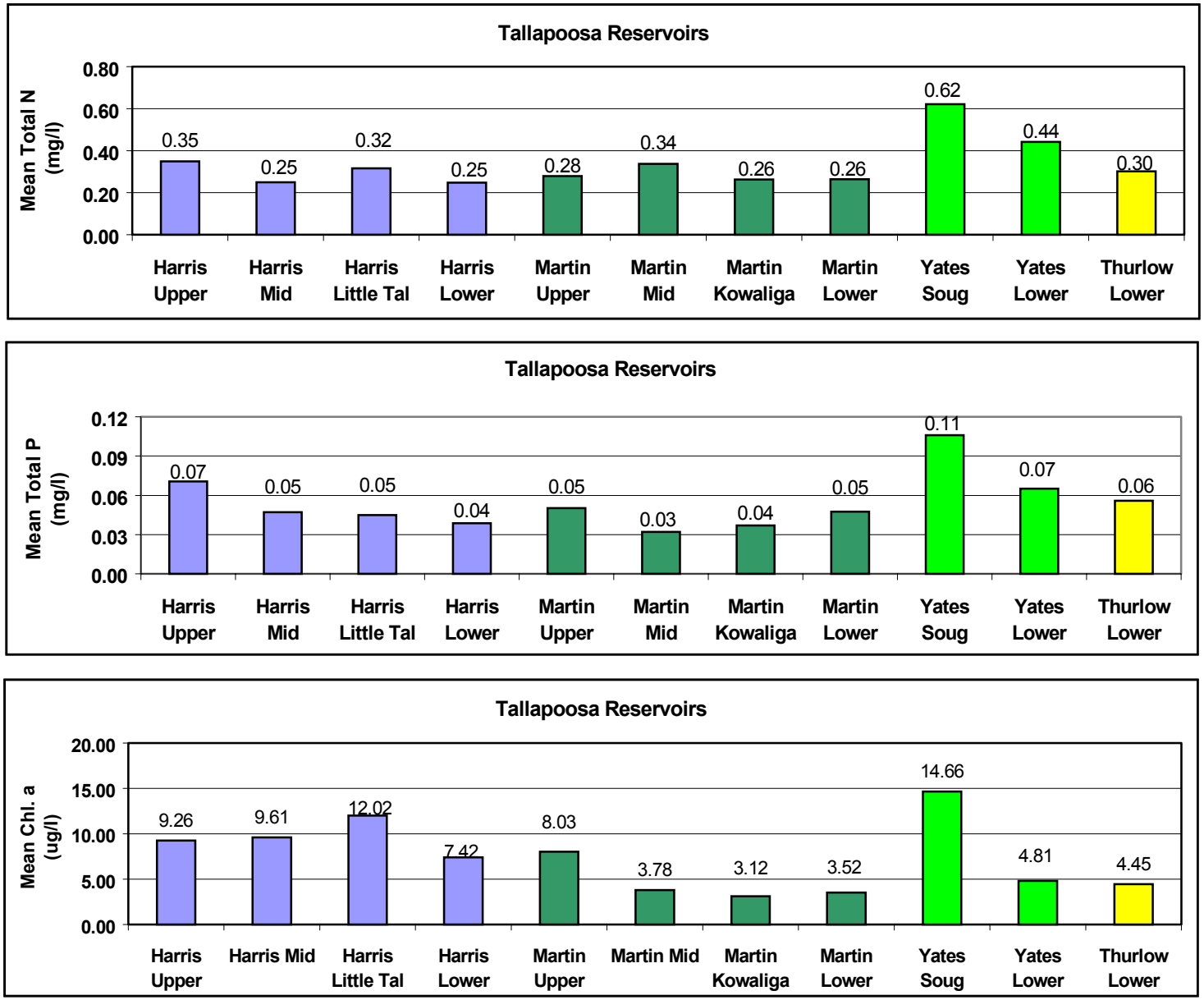
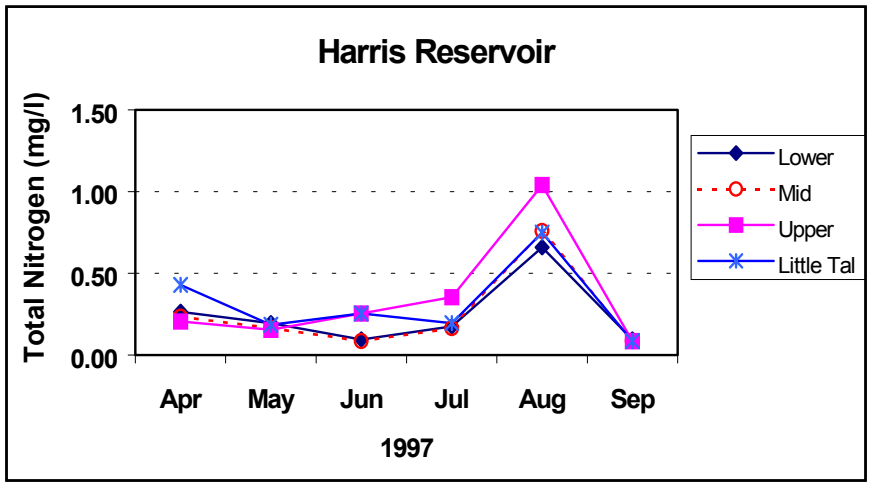


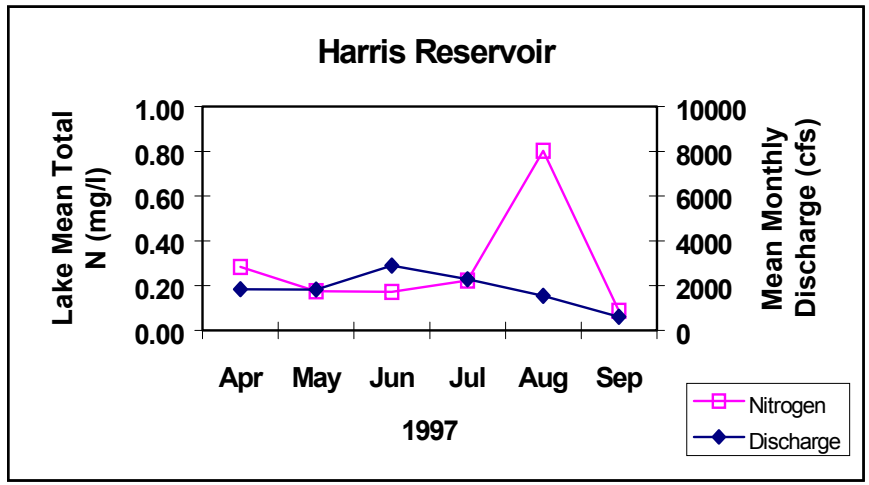
Figure II.5. Mean total nitrogen (TN), mean total phosphorus (TP), and mean chlorophyll *a* concentrations of Tallapoosa reservoir locations, April-October 1997.

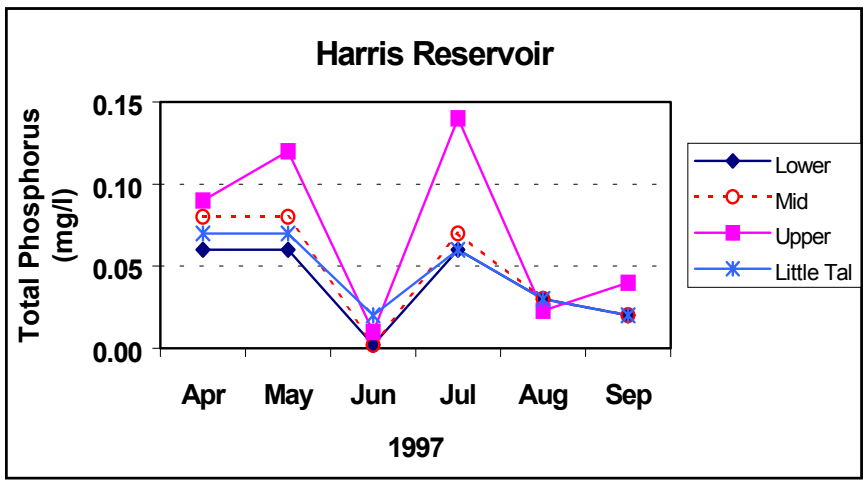
Table II.1. Algal growth potential testing (AGPT) of Tallapoosa River reservoirs, August 1997.

Reservoir	Location	Date	Mean MSC (mg/l)			Limiting Nutrient
			C	C+N	C+P	
Harris	Little Tallapoosa	8/14/97	3.55	3.38	**9.45**	Phosphorus
	Upper	8/14/97	4.55	4.31	**6.69**	Phosphorus
	Mid	8/14/97	1.82	1.70	**2.83**	Phosphorus
	Lower	8/14/97	1.59	1.46	**3.43**	Phosphorus
Martin	Upper	8/14/97	2.60	3.18	**3.53**	Phosphorus
	Mid	8/14/97	1.83	**2.15**	**2.20**	Co-limiting
	Kowaliga	8/14/97	1.58	**1.78**	**1.72**	Co-limiting
	Lower	8/14/97	1.75	1.72	**2.80**	Phosphorus
Yates	Sougahatchee	8/12/97	36.92	**70.91**	37.97	Nitrogen
	Lower	8/12/97	1.29	1.32	**12.92**	Phosphorus
Thurlow	Lower	8/12/97	1.39	1.65	**16.69**	Phosphorus

MSC = Maximum Standing Crop
C = Control; C+N = Control + Nitrogen; C+P = Control + Phosphorus
Values in **bold** print are significantly different from control.







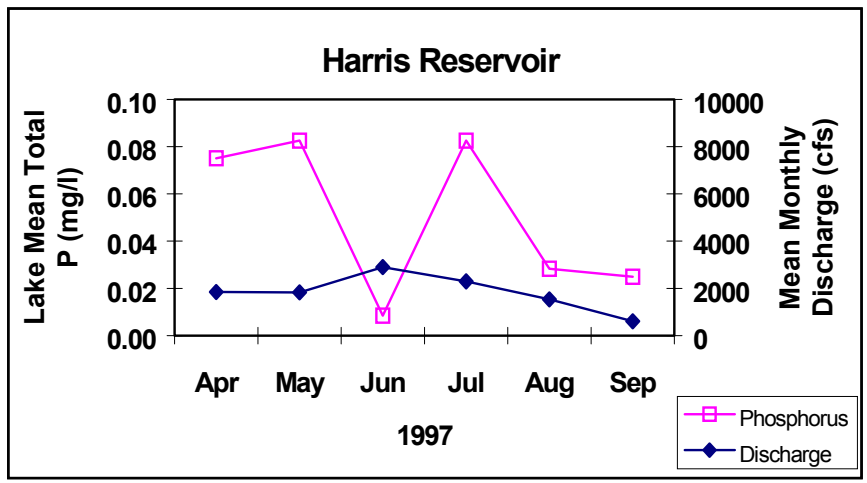
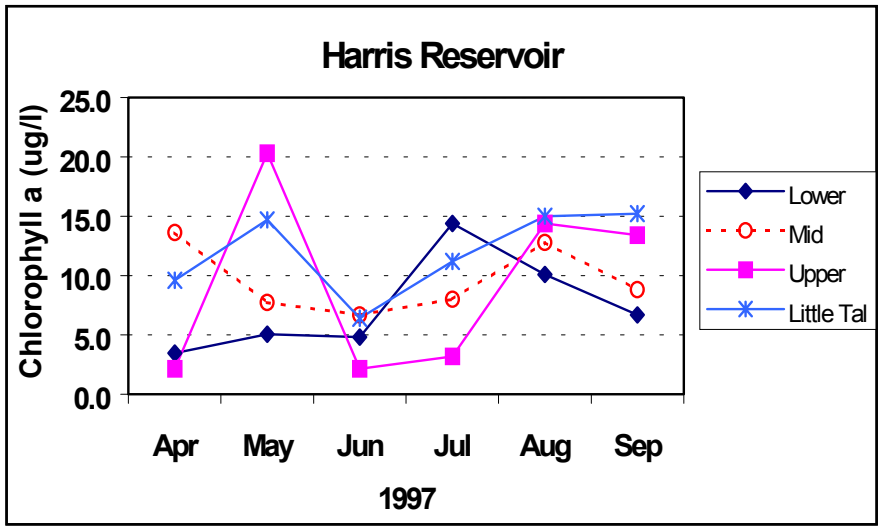
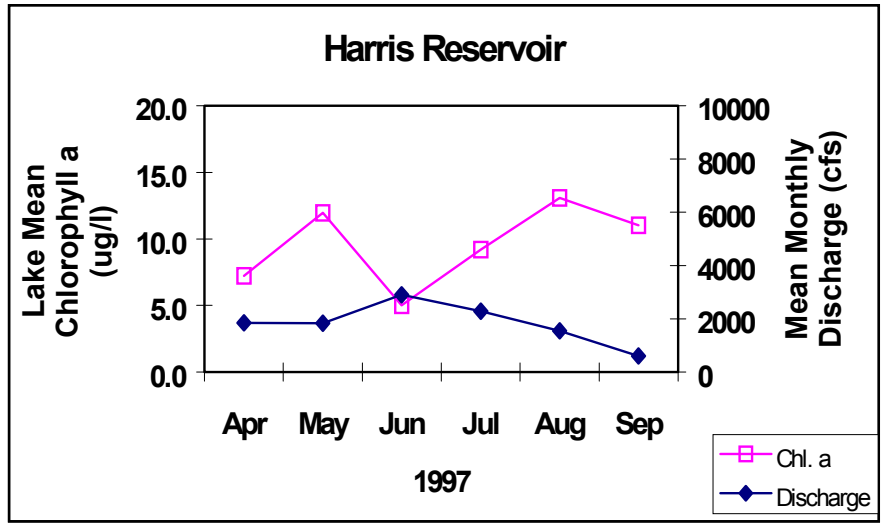
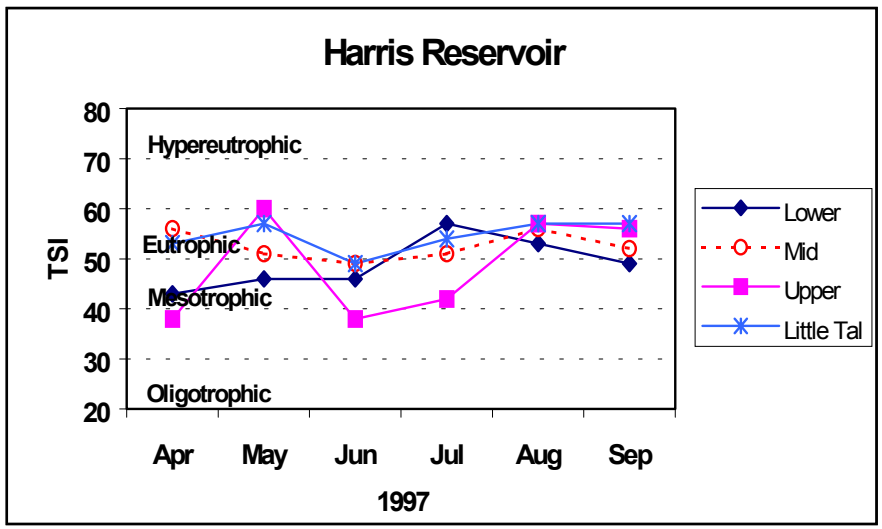


Figure II.6. Total nitrogen (TN), lake mean TN vs. discharge, total phosphorus (TP), lake mean TP vs. discharge of Harris Reservoir, April-September 1997.







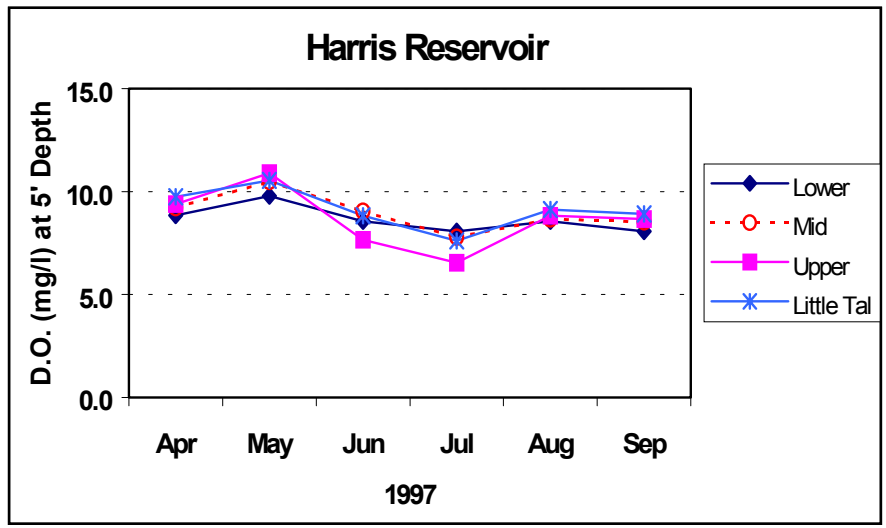


Figure II.7. Chlorophyll *a*, lake mean chlorophyll *a* vs. discharge, trophic state index (TSI), and dissolved oxygen (DO) of Harris Reservoir, April-September 1997.

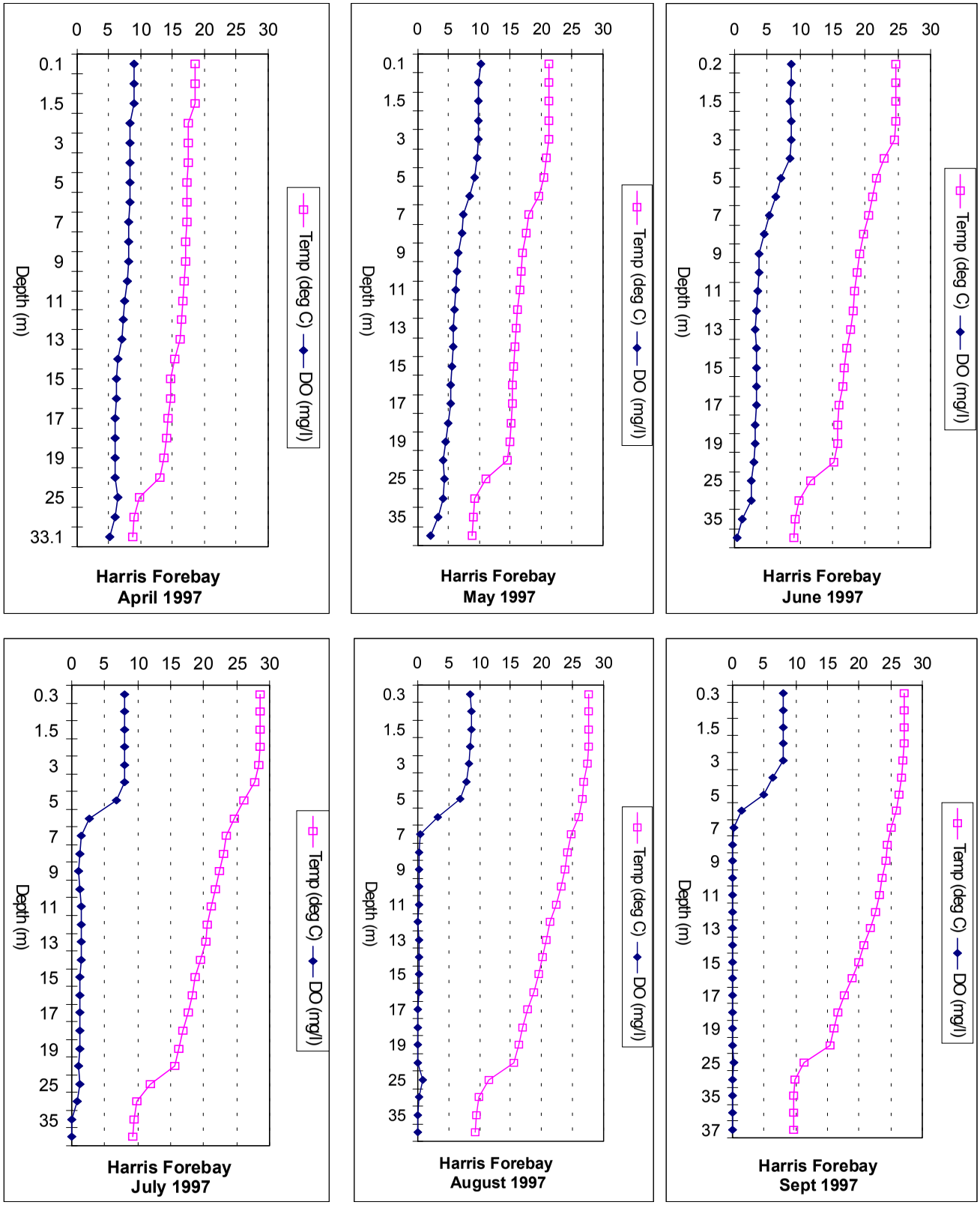


Figure II.8. Depth profiles of dissolved oxygen (DO) and temperature (Temp) in the dam forebay of Harris Reservoir, April-September 1997.

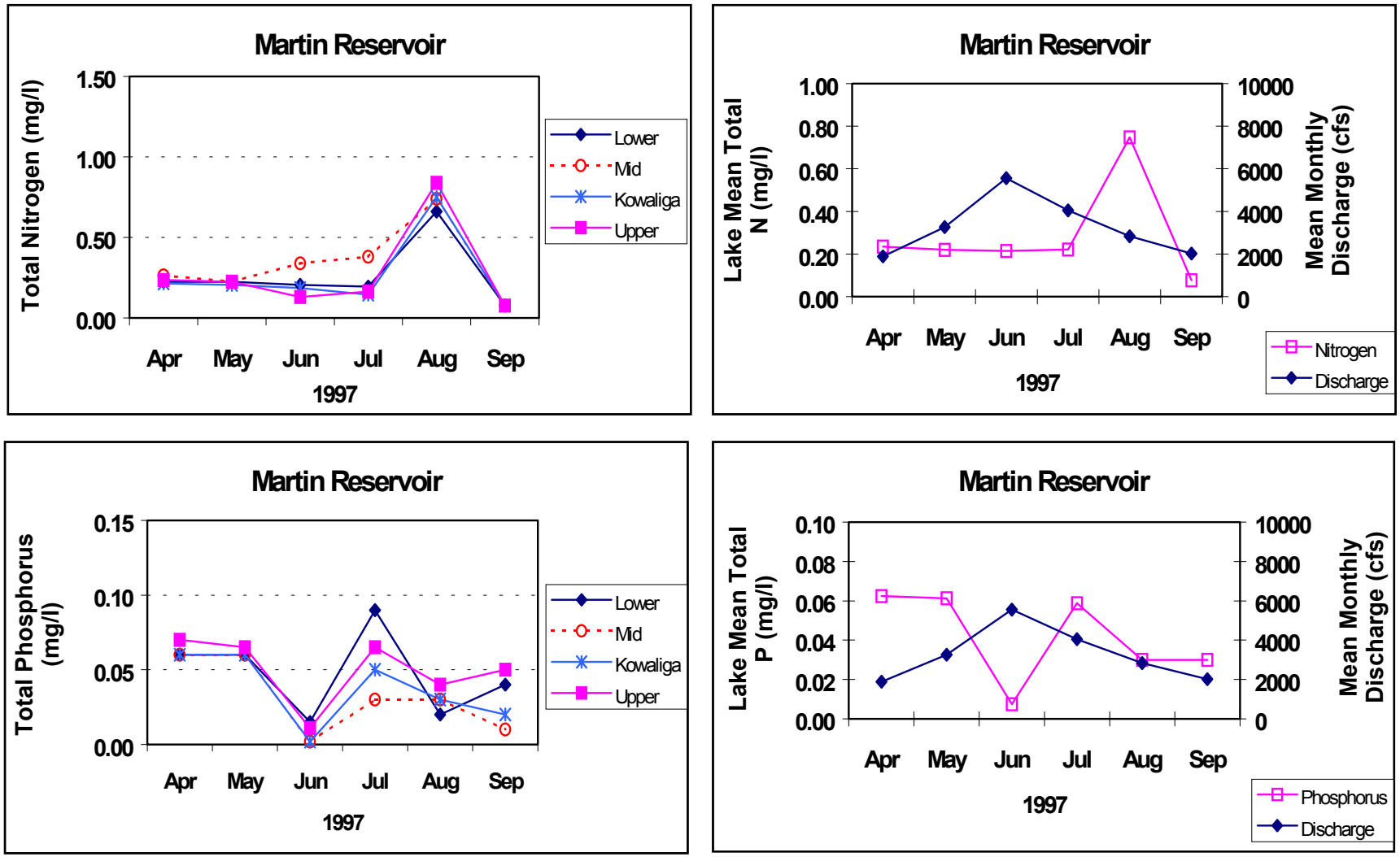
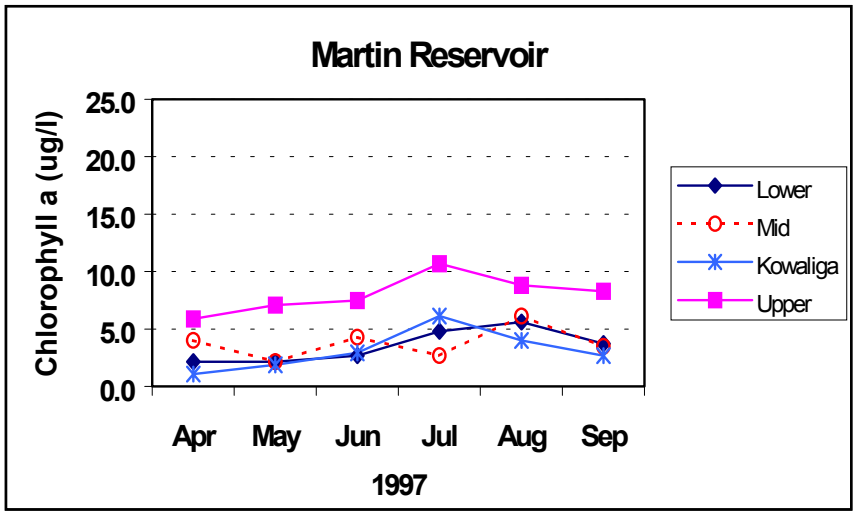
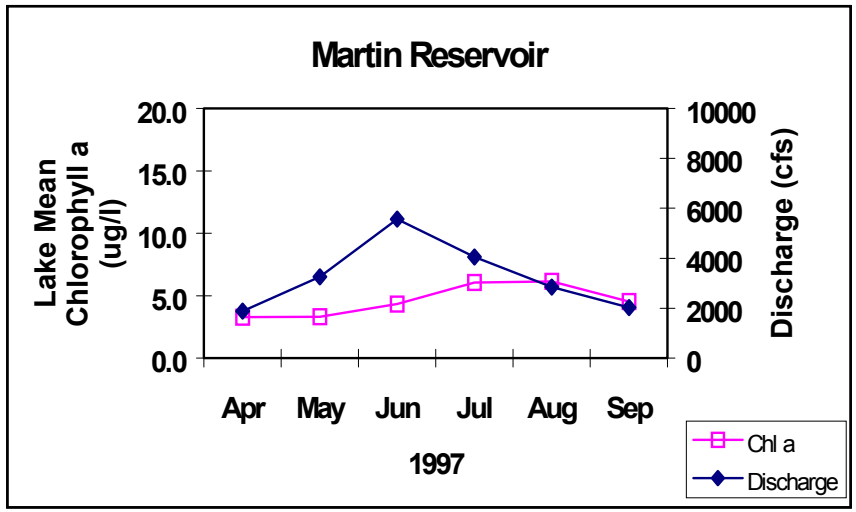
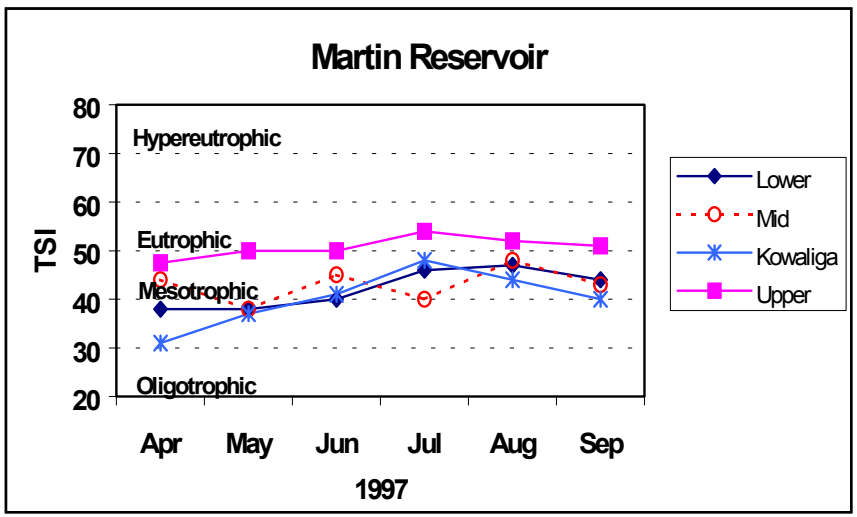


Figure II.9. Total nitrogen (TN), lake mean TN vs. discharge, total phosphorus (TP), lake mean TP vs. discharge of Martin Reservoir, April-September 1997.







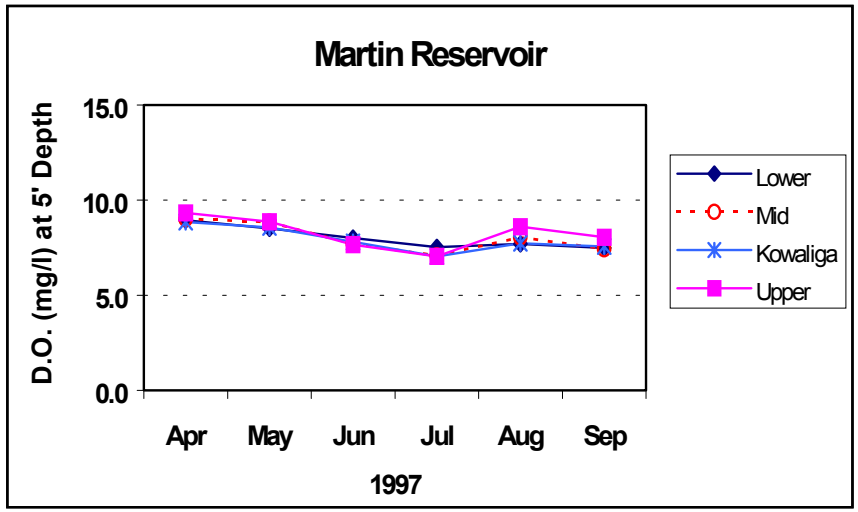


Figure II.10. Chlorophyll *a*, lake mean chlorophyll *a* vs. discharge, trophic state index (TSI), and dissolved oxygen (DO) of Martin Reservoir, April-September 1997.

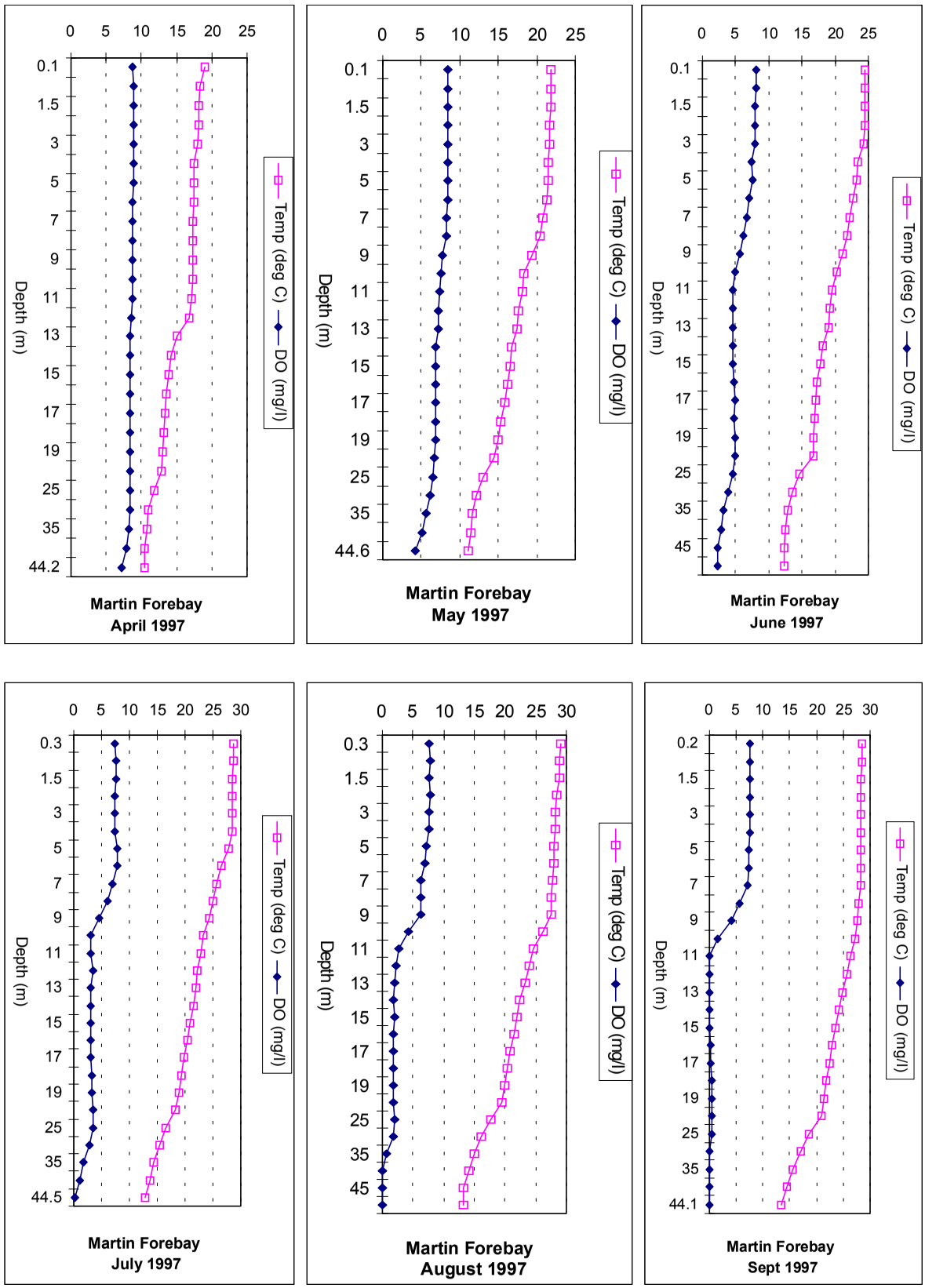
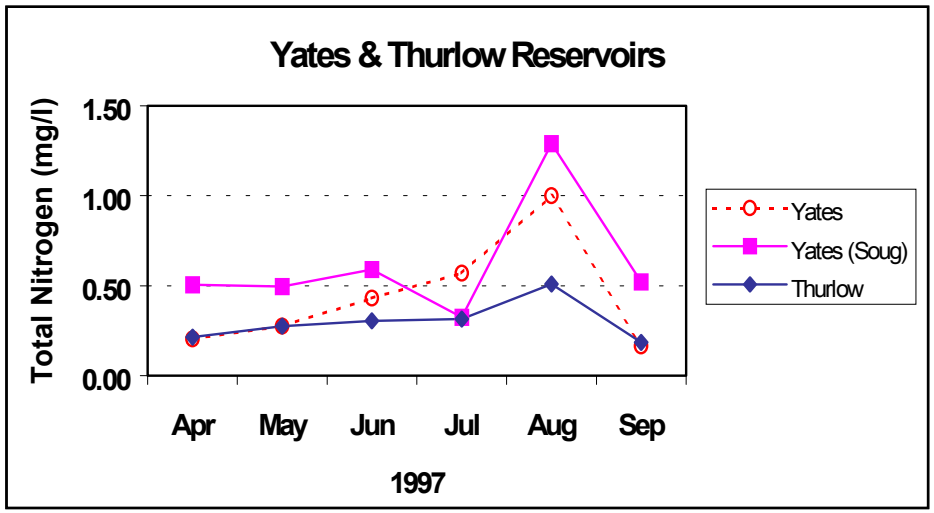
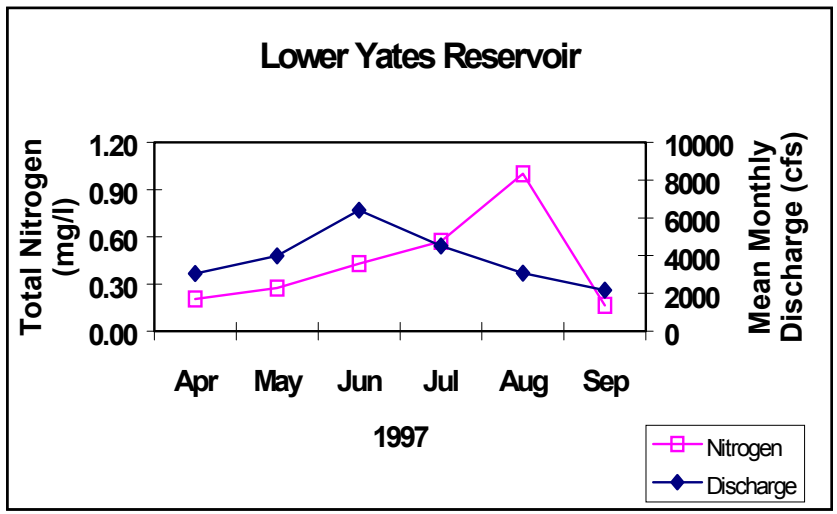


Figure II.11. Depth profiles of dissolved oxygen (DO) and temperature (Temp) in the dam forebay of Martin Reservoir April-September 1997.





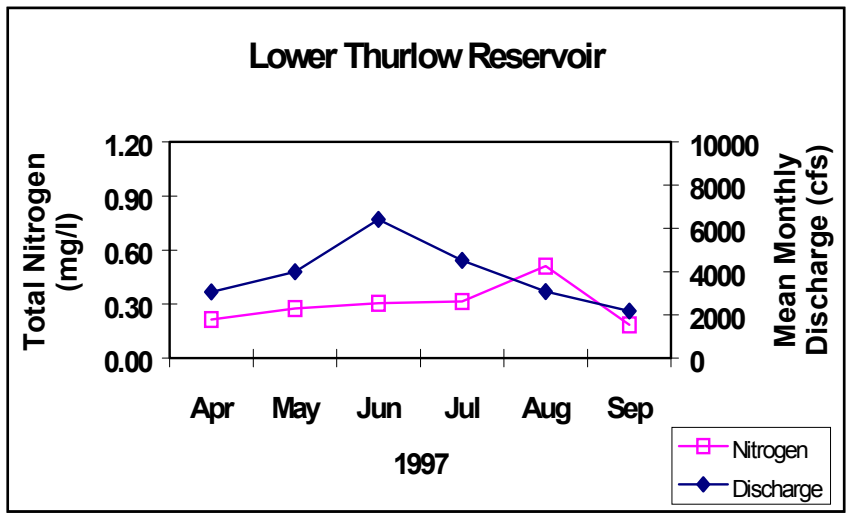
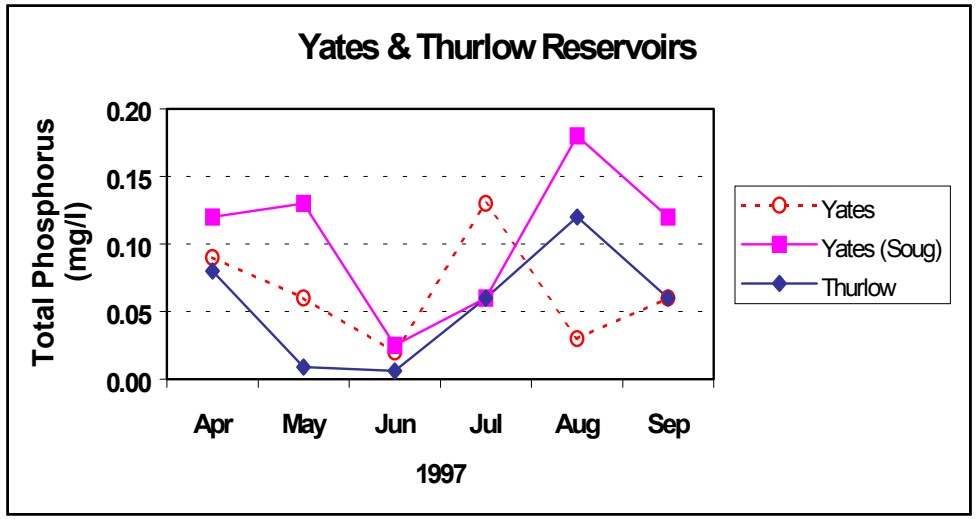
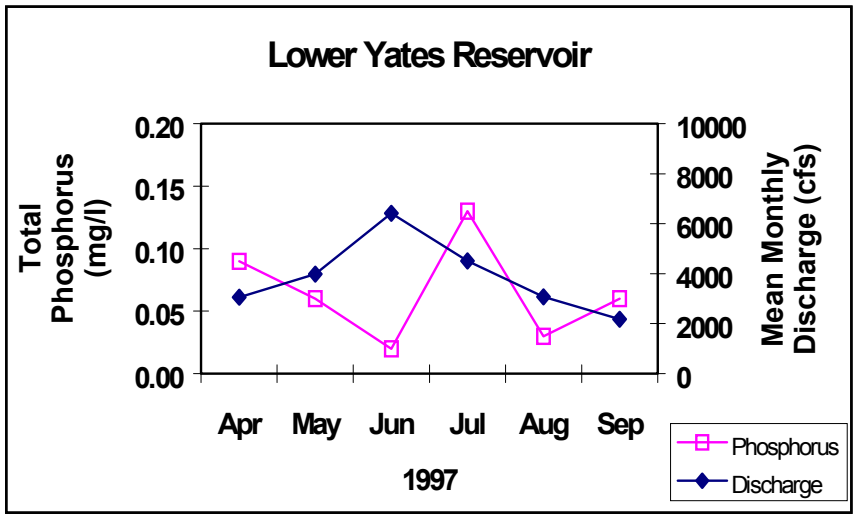


Figure II.12l. Total nitrogen (TN) and TN vs. discharge of Yates and Thurlow Reservoirs, April-September 1997.





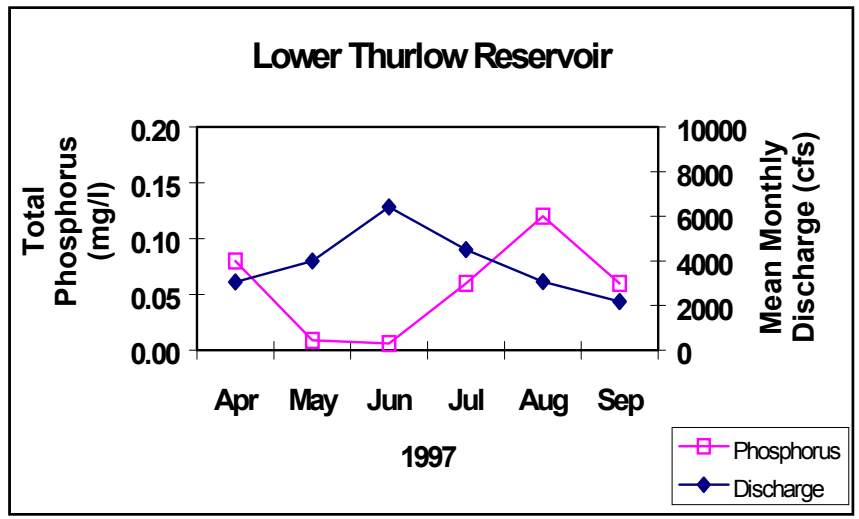
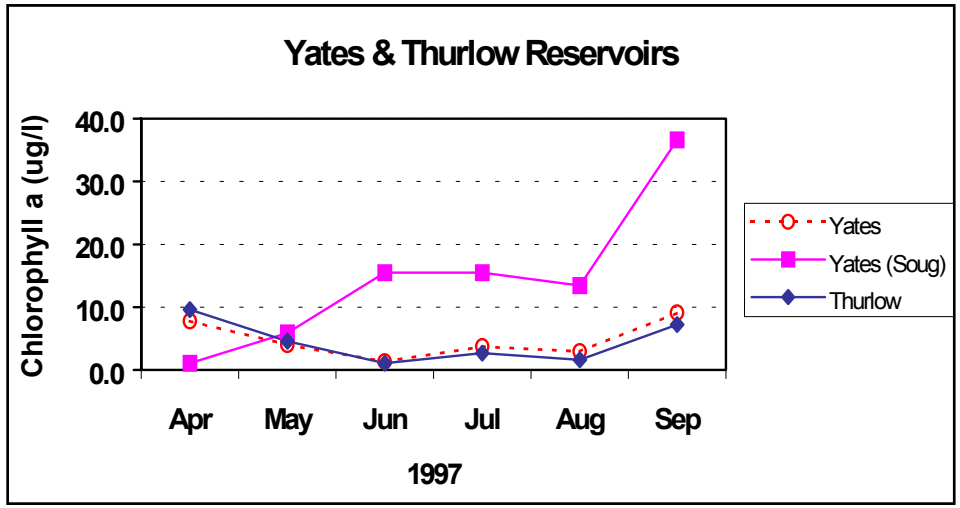
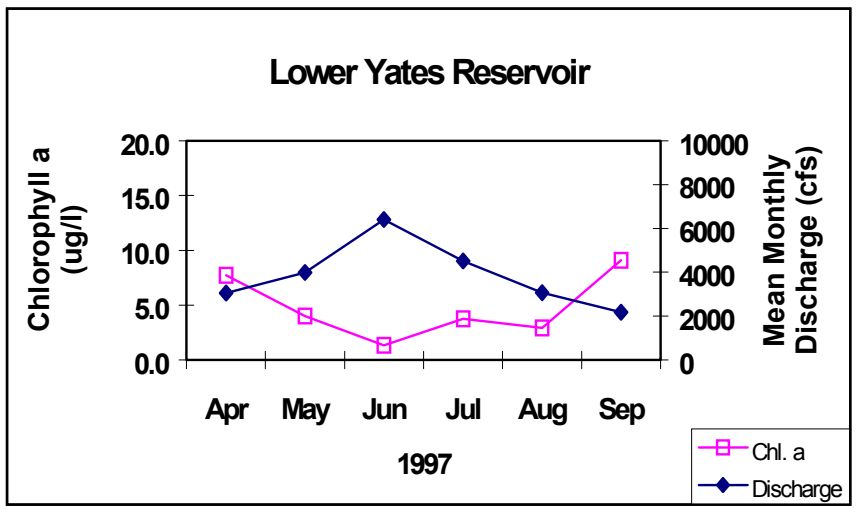


Figure II.13. Total phosphorus (TP) and TP vs. discharge of Yates and Thurlow Reservoirs, April-September 1997.





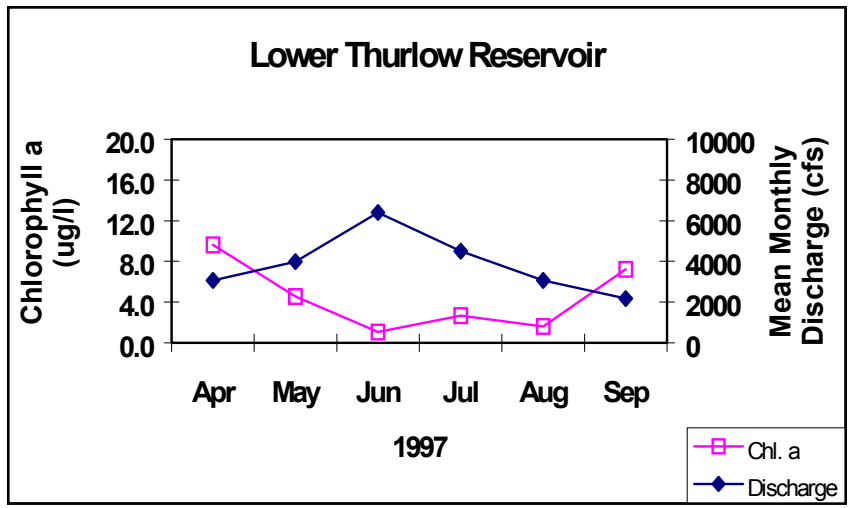
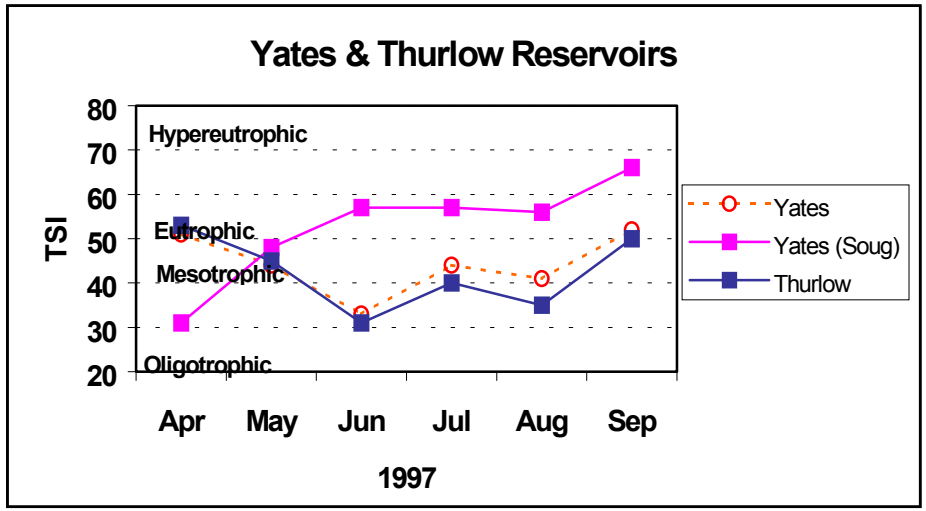


Figure II.14. Chlorophyll *a* and chlorophyll *a* vs. discharge of Yates and Thurlow Reservoirs, April-September 1997.



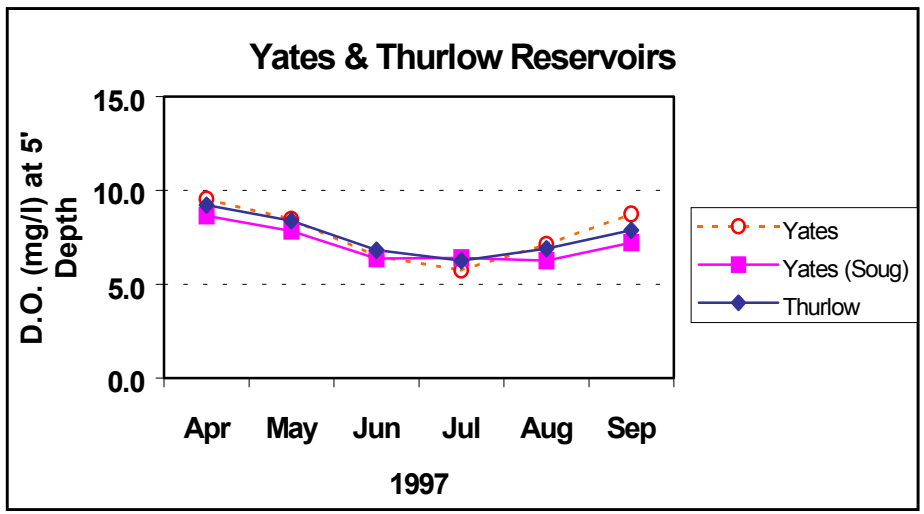


Figure II.15. Trophic state index (TSI) and dissolved oxygen (DO) of Yates and Thurlow Reservoirs, April-September 1997.

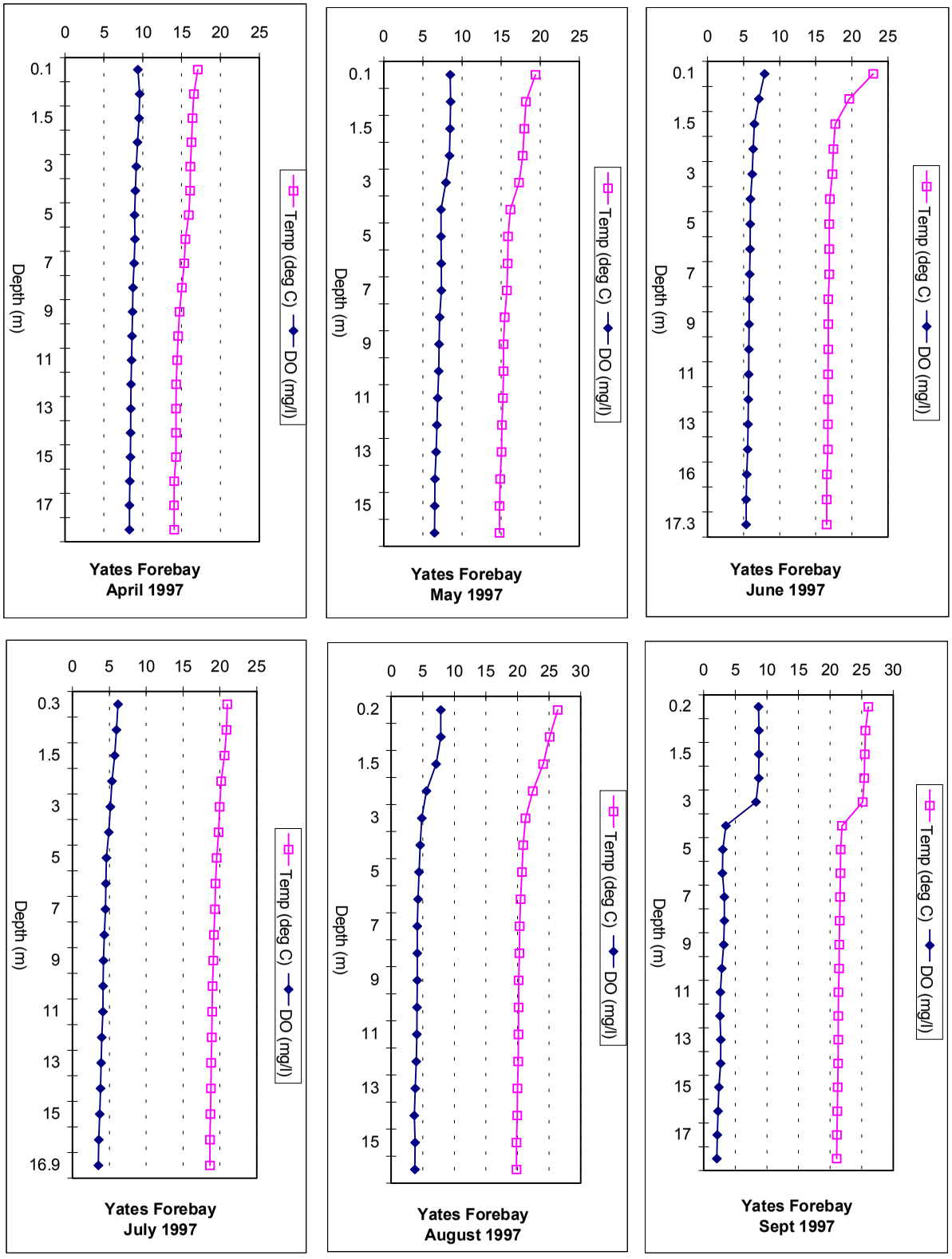


Figure II.16. Depth profiles of dissolved oxygen (DO) and temperature (Temp) in the dam forebay of Yates Reservoir, April-September 1997.

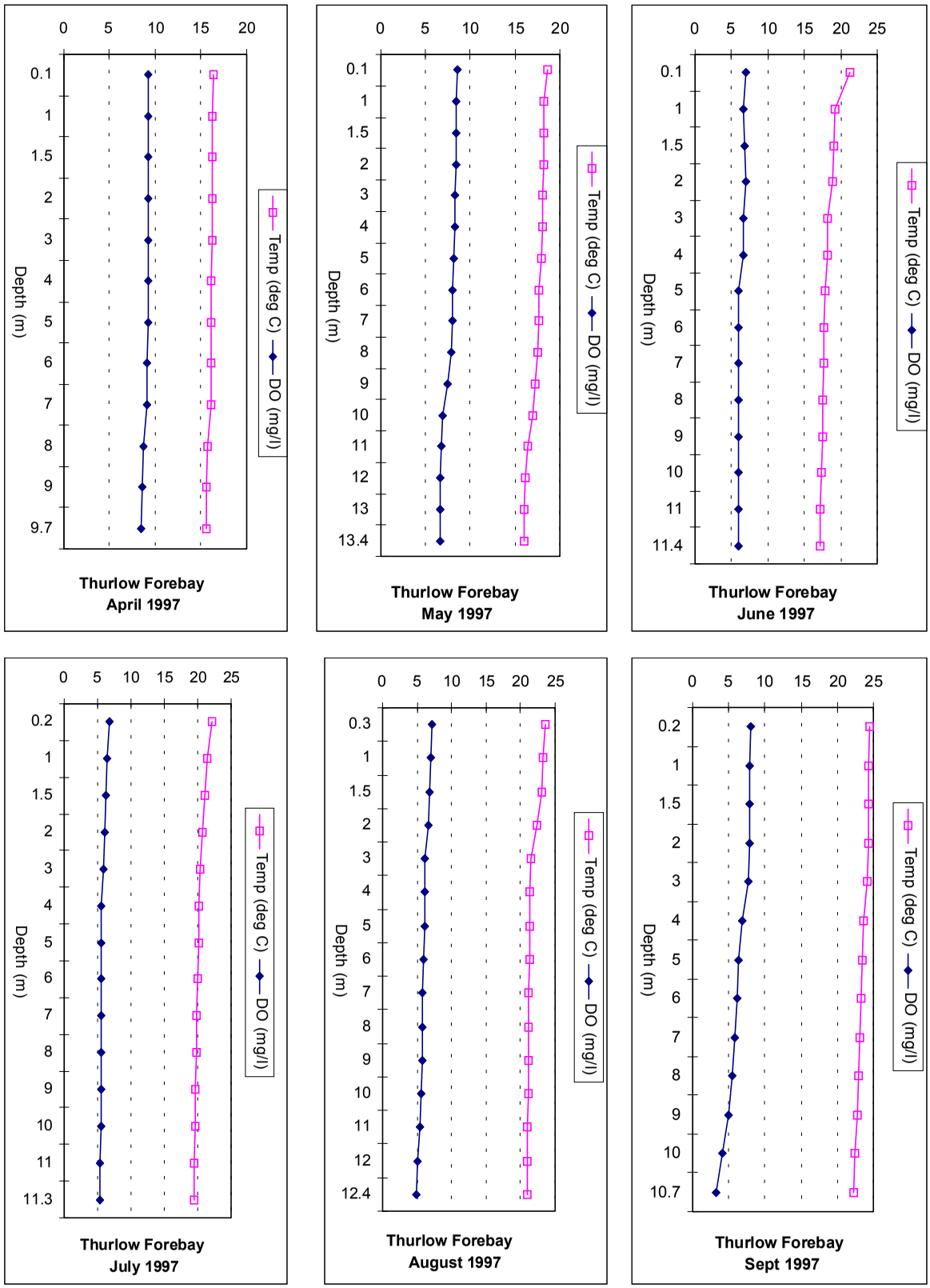


Figure II.17. Depth profiles of dissolved oxygen (DO) and temperature (Temp) in the dam forebay of Thurlow Reservoir April-September 1997.

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APPENDIX

Reservoir Water Quality Monitoring Program
Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
Jordan	1	A	41597	83010	1.5	3.4	----	----	----	----	----	5.0	47.0	44.6	114.0	4.0	3.29	<0.015	0.13	<0.15	0.08	0.007	7.48	50	1*
							0.2	18.59	6.49	8.24	0.119														
							1	18.59	6.65	8.11	0.120														
							1.5	18.58	6.73	8.05	0.120														
							2	18.55	6.80	7.99	0.119														
							3	18.56	6.88	7.92	0.118														
							4	18.56	6.91	7.89	0.117														
							5	18.58	6.94	7.84	0.121														
							6	18.58	6.96	7.82	0.124														
							7	18.58	6.96	7.83	0.129														
							8	18.58	6.98	7.82	0.126														
							9	18.58	6.99	7.79	0.127														
							10	18.58	7.00	7.78	0.133														
							11	18.58	7.00	7.77	0.113														
							12	18.58	7.01	7.76	0.129														
							13	18.58	7.01	7.74	0.113														
							14	18.56	7.01	7.74	0.132														
							15	18.58	7.01	7.72	0.117														
							16	18.56	7.02	7.71	0.120														
							17	18.56	7.02	7.69	0.124														
							18	18.56	7.02	7.67	0.126														
							19	18.55	7.02	7.63	0.125														
							20	18.53	7.02	7.62	0.130														
							25	18.50	7.03	7.57	0.125														
							29.8	18.43	7.01	7.37	0.123														
Jordan	1	A	51397	730	1.3	3.3	----	----	----	----	----	5.8	46.0	41.9	49.0	5.0	3.90	<0.015	0.01	<0.15	<0.004	<0.004	25.10	62	1*
							0.2	22.10	7.74	10.41	0.107														
							1	22.14	8.02	10.47	0.107														
							1.5	22.13	8.08	10.49	0.107														
							2	22.13	8.13	10.52	0.107														
							3	22.01	8.06	10.38	0.107														
							4	21.54	7.65	9.81	0.108														
							5	21.33	7.44	9.51	0.107														
							6	21.10	7.24	8.87	0.106														
							7	20.96	7.17	8.70	0.107														
							8	20.78	7.09	8.35	0.109														
							9	20.70	7.06	8.22	0.108														

Reservoir Water Quality Monitoring Program
Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							10	20.68	7.03	8.12	0.107														
							11	20.67	7.01	8.07	0.107														
							12	20.65	7.00	8.04	0.107														
							13	20.65	6.99	7.97	0.107														
							14	20.63	6.98	7.93	0.108														
							15	20.58	6.97	7.89	0.108														
							16	20.56	6.97	7.88	0.109														
							17	20.57	6.98	7.86	0.109														
							18	20.57	6.97	7.84	0.109														
							19	20.56	6.96	7.83	0.110														
							20	20.56	6.96	7.83	0.110														
							25	20.53	6.97	7.77	0.110														
							30	20.30	6.87	6.30	0.117														
							30.3	20.27	6.86	5.89	0.117														
Jordan	1	A	61797	74214	1.7	3.71	----	----	----	----	----	5.2	44.0	41.1	74.0	7.0	1.62	<0.015	0.11	0.17	0.005	0.005	9.35	52	4*
							0.3	24.54	6.52	6.92	0.108														
							1	24.54	6.66	6.90	0.108														
							1.5	24.53	6.71	6.85	0.109														
							2	24.50	6.74	6.80	0.109														
							3	24.48	6.74	6.62	0.109														
							4	24.45	6.74	6.51	0.110														
							5	24.41	6.74	6.44	0.110														
							6	24.36	6.73	6.30	0.110														
							7	24.17	6.71	6.03	0.110														
							8	24.12	6.70	6.00	0.110														
							9	24.08	6.70	5.99	0.110														
							10	24.06	6.70	5.99	0.110														
							11	24.06	6.70	5.99	0.110														
							12	24.06	6.70	5.98	0.110														
							13	24.06	6.70	5.98	0.110														
							14	24.05	6.71	5.98	0.110														
							15	24.05	6.71	5.97	0.110														
							16	24.05	6.71	5.96	0.110														
							17	24.05	6.71	5.95	0.110														
							18	24.01	6.71	5.92	0.110														
							19	23.99	6.71	5.88	0.110														
							20	23.94	6.70	5.82	0.109														

Reservoir Water Quality Monitoring Program
Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							25	23.58	6.60	4.42	0.111														
							30	23.29	6.55	3.63	0.113														
							30.3	23.25	6.55	3.40	0.113														
Jordan	1	A	72297	121312	2.3	4.27	----	----	----	----	----	3.0	42.0	35.4	39.0	<1.0	2.02	<0.015	0.14	<0.15	0.07	0.005	4.98	46	<1
							0.3	28.66	6.64	4.77	0.099														
							1.5	28.64	6.64	4.67	0.098														
							2	28.58	6.63	4.58	0.098														
							3	28.52	6.62	4.43	0.098														
							4	28.50	6.62	4.36	0.098														
							5	28.50	6.59	4.19	0.098														
							6	28.48	6.59	4.10	0.098														
							7	28.48	6.58	4.02	0.097														
							8	28.48	6.57	3.97	0.097														
							9	28.48	6.57	3.95	0.098														
							10	28.46	6.57	3.93	0.097														
							11	28.46	6.56	3.87	0.097														
							12	28.46	6.56	3.85	0.097														
							13	28.44	6.56	3.81	0.097														
							14	28.44	6.56	3.82	0.097														
							15	28.44	6.56	3.81	0.097														
							16	28.40	6.54	3.63	0.098														
							17	28.38	6.55	3.48	0.097														
							18	28.35	6.52	3.23	0.097														
							19	28.29	6.47	2.58	0.096														
							20	28.21	6.43	2.17	0.096														
							25	27.65	6.37	1.16	0.096														
							29.6	26.00	6.46	0.38	0.113														
Jordan	1	A	81197	81758	2.3	4.32	----	----	----	----	----	3.4	48.0	47.1	81.0	1.0	1.55	<0.015	0.14	0.32	0.13	0.012	4.81	46	2*
							0.3	29.09	6.97	4.93	0.112														
							1	29.09	7.01	4.88	0.112														
							1.5	29.09	7.05	4.83	0.112														
							2	29.09	7.06	4.76	0.113														
							3	29.09	7.08	4.78	0.113														
							4	29.09	7.09	4.71	0.113														
							5	29.09	7.1	4.67	0.113														
							6	29.09	7.1	4.68	0.113														

Reservoir Water Quality Monitoring Program
Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							7	29.09	7.11	4.72	0.114														
							7	29.09	7.11	4.72	0.114														
							8	29.07	7.11	4.67	0.114														
							9	29.07	7.11	4.66	0.114														
							10	29.09	7.11	4.63	0.114														
							11	29.09	7.11	4.57	0.113														
							12	29.09	7.11	4.53	0.113														
							13	29.07	7.1	4.43	0.112														
							14	29.07	7.09	4.43	0.113														
							15	29.07	7.09	4.39	0.112														
							16	29.07	7.09	4.36	0.112														
							17	29.05	7.09	4.36	0.112														
							18	29.05	7.08	4.3	0.112														
							19	29.03	7.08	4.22	0.112														
							20	29.03	7.08	4.19	0.112														
							25	28.93	7.04	3.76	0.11														
							29.6	26.79	7.03	0.39	0.138														
Jordan	1	A	91597	82706	2.2	4.57	----	----	----	----	----	2.7	60.0	58.0	94.0	2.0	1.20	<0.015	0.01	<0.15	0.02	<0.004	12.80	56	3*
							0.3	28.68	7.31	6.28	0.141														
							1	28.7	7.35	6.16	0.141														
							1.5	28.68	7.37	6.08	0.141														
							2	28.7	7.37	6.1	0.14														
							3	28.68	7.39	6.18	0.141														
							4	28.68	7.38	6.07	0.14														
							5	28.68	7.26	5.25	0.142														
							6	28.58	7.15	4.4	0.142														
							7	28.56	7.11	4.17	0.141														
							8	28.54	7.11	4.22	0.142														
							9	28.5	7.09	4.03	0.142														
							10	28.5	7.09	4.02	0.141														
							11	28.48	7.09	4.08	0.141														
							12	28.46	7.09	4.11	0.141														
							13	28.44	7.08	3.93	0.142														
							14	28.46	7.08	3.94	0.141														
							15	28.44	7.08	3.96	0.141														
							16	28.4	7.07	3.88	0.141														
							17	28.4	7.07	3.87	0.145														

Reservoir Water Quality Monitoring Program
Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							18	28.38	7.06	3.75	0.142														
							19	28.35	7.06	3.8	0.143														
							20	28.33	7.06	3.68	0.142														
							25	28.25	7.06	3.53	0.143														
							30	28.21	7.06	3.41	0.144														
							30.2	28.19	7.04	3.35	0.143														
Jordan	1	A	102197	102743	1.7	3.69	----	----	----	----	----	4.4	72.0	64.8	101.0	<1.0	4.16	<0.015	0.10	0.20	0.06	0.01	6.94	50	1*
							0.3	23.7	7.13	6.27	0.166														
							1	23.55	7.2	6.2	0.167														
							1.5	23.54	7.21	6.16	0.167														
							2	23.49	7.22	6.09	0.167														
							2	23.49	7.22	6.09	0.167														
							3	23.48	7.22	6.05	0.167														
							4	23.49	7.22	6	0.167														
							5	23.49	7.22	5.97	0.166														
							6	23.49	7.22	5.96	0.166														
							7	23.49	7.22	5.96	0.166														
							8	23.49	7.23	5.99	0.167														
							9	23.49	7.23	5.98	0.167														
							10	23.47	7.23	6	0.167														
							11	23.46	7.23	6.03	0.167														
							12	23.47	7.24	6.03	0.167														
							13	23.47	7.23	6.05	0.167														
							14	23.44	7.23	6.03	0.167														
							15	23.43	7.23	6.01	0.167														
							16	23.43	7.23	6	0.167														
							17	23.41	7.23	6	0.167														
							18	23.4	7.23	5.99	0.167														
							19	23.41	7.23	5.97	0.167														
							20	23.41	7.23	5.92	0.167														
							25	23.34	7.23	5.93	0.166														
							30	23.19	7.18	5.76	0.164														
Jordan	2	A	41597	92414	1.2	2.94	----	----	----	----	----	7.16	48.0	45.7	92	7	3.80	<0.015	0.16	<0.150	0.08	0.008	9.61	53	4*
							0.1	18.24	6.5	8.37	0.117														
							1	18.24	6.89	8.26	0.118														
							1.5	18.19	6.95	8.17	0.118														

Reservoir Water Quality Monitoring Program
Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							2	18.22	7.01	8.17	0.118														
							3	18.24	7.04	8.16	0.118														
							4	18.21	7.05	8.1	0.118														
							5	18.21	7.07	8.08	0.119														
							6	18.21	7.07	8.06	0.119														
							7	18.21	7.08	8.04	0.119														
							8	18.21	7.08	8.04	0.12														
							9	18.2	7.09	8.03	0.12														
							10	18.19	7.09	8.02	0.12														
							11	18.21	7.09	8.03	0.12														
							12	18.21	7.1	8.04	0.121														
							13	18.21	7.1	8.04	0.119														
							14	18.21	7.11	8.04	0.118														
							15	18.21	7.11	8.04	0.118														
							16	18.21	7.11	8.02	0.126														
							17	18.21	7.11	8.03	0.114														
							18	18.21	7.12	8.02	0.119														
							19	18.21	7.12	8.01	0.11														
							20	18.21	7.12	8	0.103														
							25	18.21	7.12	7.99	0.123														
							27.1	18.21	7.12	7.98	0.139														
Jordan	2	A	51397	82100	1.0	2.43	----	----	----	----	----	10.8	44.0	39.8	32.0	7.0	3.26	<0.015	0.14	<0.15	0.07	0.008	9.97	53	2*
							0.2	20.77	6.49	8.13	0.105														
							1	20.70	6.70	8.11	0.105														
							1.5	20.67	6.77	8.14	0.105														
							2	20.68	6.83	8.06	0.105														
							3	20.66	6.87	8.02	0.106														
							4	20.66	6.88	8.02	0.105														
							5	20.66	6.89	8.02	0.105														
							6	20.66	6.90	8.02	0.105														
							7	20.67	6.91	8.07	0.105														
							8	20.66	6.93	8.07	0.105														
							9	20.64	6.94	8.03	0.105														
							10	20.63	6.93	8.01	0.105														
							11	20.62	6.94	8.00	0.105														
							12	20.62	6.94	8.00	0.105														
							13	20.64	6.94	7.99	0.105														

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Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							14	20.62	6.94	7.96	0.105														
							15	20.62	6.94	7.98	0.105														
							16	20.62	6.94	7.98	0.105														
							17	20.62	6.95	7.97	0.105														
							18	20.60	6.94	7.94	0.105														
							19	20.61	6.94	7.92	0.105														
							20	20.60	6.94	7.93	0.105														
							25	20.61	6.94	7.90	0.105														
							26.4	20.61	6.94	7.88	0.105														
Jordan	2	A	61797	82739	1.4	3.41	----	----	----	----	----	7.4	48.0	52.6	60.0	9.0	1.04	<0.015	0.09	0.25	0.01	0.009	13.10	56	4*
							0.2	24.61	6.37	7.09	0.116														
							1	24.63	6.65	7.00	0.117														
							1.5	24.58	6.75	6.90	0.117														
							2	24.58	6.78	6.89	0.117														
							3	24.58	6.81	6.86	0.117														
							4	24.58	6.84	6.85	0.117														
							5	24.58	6.85	6.85	0.117														
							6	24.58	6.85	6.86	0.117														
							7	24.58	6.86	6.86	0.116														
							8	24.58	6.87	6.85	0.117														
							9	24.58	6.87	6.83	0.117														
							10	24.58	6.88	6.82	0.117														
							11	24.58	6.88	6.82	0.117														
							12	24.58	6.88	6.82	0.117														
							13	24.58	6.89	6.82	0.117														
							14	24.58	6.89	6.82	0.116														
							15	24.58	6.89	6.81	0.117														
							16	24.58	6.89	6.80	0.117														
							17	24.58	6.90	6.79	0.116														
							18	24.58	6.90	6.80	0.116														
							19	24.58	6.90	6.79	0.117														
							20	24.58	6.90	6.80	0.117														
							21	24.58	6.90	6.79	0.116														
							25	24.58	6.90	6.77	0.117														
Jordan	2	A	72297	125727	1.9	3.61	----	----	----	----	----	3.7	43.0	40.2	46.0	2.0	1.92	<0.015	0.15	<0.15	0.07	0.003	13.90	56	1*
							0.3	29.05	6.48	5.27	0.104														

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Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							1.5	29.03	6.56	5.33	0.104														
							2	29.03	6.61	5.28	0.105														
							3	28.99	6.65	5.14	0.104														
							4	28.97	6.65	5.08	0.105														
							5	28.97	6.65	5.06	0.104														
							6	28.93	6.65	4.96	0.105														
							7	28.93	6.65	4.94	0.105														
							8	28.93	6.65	4.94	0.104														
							9	28.93	6.65	4.91	0.105														
							10	28.93	6.65	4.91	0.105														
							11	28.93	6.64	4.90	0.105														
							12	28.93	6.64	4.89	0.105														
							13	28.93	6.65	4.87	0.105														
							14	28.93	6.65	4.87	0.105														
							15	28.91	6.64	4.87	0.104														
							16	28.93	6.64	4.87	0.103														
							17	28.93	6.64	4.86	0.105														
							18	28.93	6.64	4.86	0.103														
							19	28.91	6.65	4.84	0.103														
							20	28.91	6.65	4.83	0.104														
Jordan	2	A	81197	90754	2.2	4.33	----	----	----	----	----	3.3	50.0	48.9	88.0	4.0	1.78	<0.015	0.12	0.55	0.13	0.006	15.00	57	2*
							0.3	29.21	7.14	6.4	0.118														
							1	29.21	7.19	6.42	0.118														
							1.5	29.21	7.23	6.36	0.119														
							2	29.21	7.26	6.31	0.119														
							3	29.19	7.26	6.25	0.12														
							4	29.17	7.26	6.15	0.12														
							5	29.15	7.26	6.12	0.12														
							6	29.15	7.26	6.03	0.12														
							7	29.13	7.25	5.99	0.12														
							8	29.13	7.26	5.98	0.12														
							9	29.07	7.22	5.5	0.12														
							10	29.03	7.18	5.3	0.12														
							11	29.01	7.17	5.22	0.12														
							12	28.97	7.16	5.08	0.121														
							13	28.91	7.14	4.98	0.12														
							14	28.91	7.14	4.94	0.121														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							15	28.89	7.13	4.86	0.121														
							16	28.89	7.13	4.85	0.121														
							17	28.89	7.13	4.84	0.12														
							18	28.89	7.13	4.84	0.121														
							19	28.89	7.13	4.84	0.121														
							20	28.89	7.13	4.83	0.121														
							25	28.89	7.13	4.77	0.12														
							26.1	28.89	7.13	4.77	0.121														
Jordan	2	A	91597	91135	1.5	2.8	----	----	----	----	----	4.8	62.0	60.1	103.0	6.0	0.79	<0.015	0.07	<0.15	0.05	<0.004	11.00	54	5*
							0.3	28.07	7.1	5.24	0.145														
							1	28.05	7.13	5.27	0.145														
							1.5	28.05	7.15	5.1	0.145														
							2	28.05	7.15	5.09	0.145														
							3	28.05	7.14	5.08	0.145														
							4	28.05	7.14	5.09	0.145														
							5	28.05	7.15	5.08	0.145														
							6	28.05	7.15	5.08	0.145														
							7	28.05	7.15	5.09	0.145														
							8	28.05	7.15	5.1	0.145														
							9	28.05	7.16	5.11	0.145														
							10	28.05	7.16	5.13	0.145														
							11	28.05	7.17	5.15	0.145														
							12	28.04	7.17	5.15	0.145														
							13	28.04	7.16	5.15	0.145														
							14	28.04	7.16	5.14	0.145														
							15	28.04	7.16	5.11	0.145														
							16	28.04	7.17	5.1	0.145														
							17	28.04	7.17	5.11	0.145														
							18	28.04	7.17	5.11	0.145														
							19	28.04	7.17	5.11	0.145														
							20	28.04	7.17	5.11	0.145														
							25	28.04	7.17	5.08	0.145														
							26.5	28.04	7.16	5.03	0.145														
Jordan	2	A	102197	110822	1.7	3.75	----	----	----	----	----	3.9	75.0	65.7	116.0	2.0	3.74	<0.015	0.06	<0.15	0.07	0.003	15.49	57	<1
							0.3	23.22	7.43	8.08	0.176														
							1	23.09	7.46	8.02	0.177														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							1.5	23.04	7.45	7.95	0.177														
							2	22.99	7.45	7.87	0.177														
							3	22.92	7.42	7.69	0.177														
							4	22.93	7.41	7.64	0.177														
							5	22.92	7.41	7.61	0.177														
							6	22.88	7.4	7.57	0.177														
							7	22.89	7.4	7.53	0.177														
							8	22.89	7.39	7.49	0.177														
							9	22.89	7.4	7.51	0.177														
							10	22.89	7.39	7.47	0.177														
							11	22.91	7.39	7.46	0.177														
							12	22.88	7.39	7.48	0.177														
							13	22.89	7.39	7.44	0.177														
							14	22.89	7.39	7.43	0.177														
							15	22.88	7.39	7.42	0.177														
							16	22.88	7.39	7.42	0.177														
							17	22.87	7.39	7.42	0.177														
							18	22.89	7.39	7.42	0.177														
							19	22.88	7.39	7.41	0.177														
							20	22.89	7.39	7.41	0.177														
							25	22.87	7.38	7.36	0.177														
							27.2	22.87	7.37	7.32	0.177														
Mitchell	1	A	41597	114456	1.3	3.59	----	----	----	----	----	6.2	49.0	46.3	80.0	6.0	3.50	<0.015	0.12	<0.15	0.09	0.007	14.95	57	10*
							0.1	18.96	7.27	9.24	0.119														
							1	18.23	7.28	8.63	0.119														
							1.5	18.21	7.26	8.54	0.120														
							2	18.21	7.26	8.53	0.120														
							3	18.19	7.23	8.32	0.120														
							4	18.16	7.23	8.30	0.121														
							5	18.16	7.23	8.24	0.121														
							6	18.14	7.23	8.22	0.122														
							7	18.16	7.23	8.23	0.122														
							8	18.16	7.23	8.21	0.123														
							9	18.13	7.22	8.16	0.124														
							10	18.14	7.22	8.12	0.122														
							11	18.14	7.22	8.14	0.128														
							12	18.14	7.22	8.13	0.120														

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Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							13	18.13	7.22	8.12	0.112														
							14	18.14	7.22	8.11	0.124														
							15	18.14	7.22	8.09	0.136														
							16	18.14	7.22	8.09	0.107														
							17	18.14	7.23	8.09	0.129														
							18	18.14	7.23	8.10	0.136														
							19	18.14	7.24	8.11	0.134														
							20	18.14	7.24	8.08	0.134														
							25	18.14	7.25	8.08	0.134														
							28.4	18.14	7.25	8.07	0.123														
Mitchell	1	A	51397	1100	1.0	2.84	----	----	----	----	----	9.9	43.0	40.1	31.0	6.0	3.94	<0.015	0.08	<0.15	0.06	<0.004	19.22	60	<1
							0.3	22.47	7.41	9.69	0.104														
							1	21.95	7.73	10.03	0.105														
							1.5	21.68	7.73	9.92	0.104														
							2	21.32	7.48	9.20	0.105														
							3	20.95	7.16	8.46	0.105														
							4	20.95	7.08	8.29	0.105														
							5	20.93	7.06	8.22	0.105														
							6	20.95	7.05	8.23	0.105														
							7	20.95	7.05	8.22	0.105														
							8	20.95	7.05	8.21	0.105														
							9	20.95	7.03	8.14	0.105														
							10	20.82	7.02	8.07	0.105														
							11	20.62	6.96	7.73	0.105														
							12	20.62	6.95	7.64	0.105														
							13	20.58	6.94	7.60	0.105														
							14	20.58	6.94	7.59	0.105														
							15	20.56	6.93	7.58	0.105														
							16	20.56	6.93	7.55	0.105														
							17	20.55	6.93	7.53	0.105														
							18	20.48	6.91	7.42	0.105														
							19	20.48	6.91	7.41	0.105														
							20	20.46	6.90	7.36	0.105														
							24.6	20.46	6.90	7.34	0.105														
Mitchell	1	A	61797	102231	1.3	3	----	----	----	----	----	5.5	50.0	52.1	75.0	7.0	0.91	<0.015	0.06	0.41	0.03	0.009	18.70	59	2*
							0.2	25.65	7.53	8.83	0.119														

Reservoir Water Quality Monitoring Program
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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							1	25.59	7.49	8.53	0.119														
							1.5	25.61	7.51	8.56	0.119														
							2	25.35	7.34	7.96	0.119														
							3	25.22	7.20	7.60	0.119														
							4	25.16	7.16	7.40	0.119														
							5	25.02	7.08	7.05	0.120														
							6	24.98	7.05	6.97	0.120														
							7	24.96	7.03	6.93	0.120														
							8	24.91	7.01	6.82	0.119														
							9	24.72	6.97	6.51	0.119														
							10	24.47	6.93	6.24	0.116														
							11	24.39	6.87	6.09	0.115														
							12	24.43	6.86	6.10	0.116														
							14	24.39	6.86	6.10	0.115														
							15	24.39	6.86	6.08	0.115														
							16	24.36	6.86	6.10	0.115														
							17	24.45	6.87	6.13	0.116														
							18	24.47	6.87	6.14	0.116														
							19	24.43	6.86	6.08	0.116														
							20	24.48	6.88	6.15	0.116														
							24.3	24.47	6.88	6.13	0.116														
Mitchell	1	A	72297	143952	2.2	4.11	----	----	----	----	----	3.3	49.0	43.3	30.0	1.0	1.58	<0.015	0.12	<0.15	0.06	0.003	11.40	54	3*
							0.3	29.64	6.72	5.41	0.114														
							1.5	29.46	6.76	5.11	0.113														
							2	29.39	6.76	5.02	0.113														
							3	29.35	6.75	5.00	0.112														
							4	29.31	6.75	4.91	0.113														
							5	29.23	6.73	4.58	0.113														
							6	29.13	6.67	3.78	0.114														
							7	29.09	6.63	3.49	0.115														
							8	29.09	6.62	3.33	0.114														
							9	29.09	6.61	3.22	0.114														
							10	29.03	6.58	2.85	0.115														
							11	29.01	6.57	2.63	0.115														
							12	28.89	6.53	2.13	0.114														
							13	28.87	6.52	2.06	0.114														
							14	28.79	6.50	1.84	0.113														

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Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							15	28.60	6.46	1.38	0.107														
							16	28.50	6.43	1.25	0.104														
							17	28.54	6.43	1.30	0.105														
							18	28.52	6.44	1.32	0.105														
							19	28.52	6.44	1.27	0.104														
							20	28.33	6.43	1.10	0.100														
							21	28.29	6.41	0.94	0.098														
							22	28.23	6.39	0.81	0.097														
							23	28.17	6.39	0.76	0.096														
							24	28.17	6.38	0.70	0.096														
							25	28.17	6.38	0.73	0.096														
							25.6	28.17	6.37	0.71	0.097														
Mitchell	1	A	81197	105318	2.0	4.03	----	----	----	----	----	4.0	54.0	52.6	85.0	2.0	1.64	<0.015	0.14	0.74	0.13	0.011	7.48	50	10*
							0.3	29.6	7.2	5.23	0.127														
							1	29.44	7.21	5.15	0.127														
							1.5	29.11	7.17	4.62	0.128														
							2	29.07	7.16	4.44	0.127														
							3	29.03	7.16	4.33	0.127														
							4	29.03	7.16	4.27	0.127														
							5	29.01	7.16	4.23	0.129														
							6	29.01	7.16	4.22	0.128														
							7	29.01	7.16	4.19	0.129														
							8	29.01	7.16	4.16	0.128														
							9	28.99	7.16	4.13	0.129														
							10	28.99	7.16	4.08	0.129														
							11	28.99	7.16	4.1	0.13														
							12	28.99	7.16	4.06	0.13														
							13	28.99	7.16	4.04	0.129														
							14	28.97	7.16	3.98	0.13														
							15	28.95	7.15	3.92	0.13														
							16	28.95	7.14	3.82	0.128														
							17	28.93	7.13	3.54	0.127														
							18	28.91	7.11	3.45	0.125														
							19	28.91	7.11	3.41	0.125														
							20	28.91	7.11	3.4	0.126														
							24.9	28.83	7.09	2.99	0.125														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
Mitchell	1	A	91597	110354	1.6	4.15	----	----	----	----	----	3.6	64.0	62.4	106.0	3.0	1.07	<0.015	0.04	<0.15	0.07	<0.004	10.70	54	<1
							0.3	28.64	7.24	5.69	0.149														
							1	28.48	7.3	5.56	0.149														
							1.5	28.46	7.32	5.51	0.149														
							2	28.23	7.28	5.24	0.15														
							3	28.19	7.26	5.08	0.15														
							4	28.17	7.26	4.99	0.15														
							5	28.15	7.24	4.77	0.151														
							6	28.15	7.23	4.73	0.15														
							7	28.15	7.23	4.66	0.151														
							8	28.13	7.14	3.87	0.151														
							9	28.09	7.13	3.81	0.15														
							10	28.09	7.13	3.85	0.151														
							11	28.09	7.13	3.82	0.15														
							12	28.07	7.13	3.86	0.151														
							13	28.07	7.13	3.87	0.15														
							14	28.07	7.13	3.88	0.151														
							15	28.05	7.11	3.56	0.15														
							16	28.05	7.11	3.59	0.15														
							17	28.04	7.11	3.68	0.15														
							18	28.04	7.11	3.67	0.15														
							19	28.02	7.11	3.62	0.15														
							20	28.02	7.11	3.48	0.151														
							25	28	7.1	3.2	0.151														
							28	28	7.1	2.97	0.151														
Mitchell	1	A	102197	132239	1.5	3.59	----	----	----	----	----	4.8	76.0	69.7	114.0	4.0	4.04	<0.015	0.08	0.17	0.09	0.003	22.43	61	6*
							0.2	23.41	7.63	8.09	0.18														
							1	23.28	7.63	7.88	0.181														
							1.5	23.05	7.51	6.91	0.18														
							2	22.87	7.4	6.55	0.181														
							3	22.86	7.36	6.43	0.18														
							4	22.8	7.35	6.37	0.181														
							5	22.78	7.34	6.35	0.18														
							6	22.8	7.34	6.32	0.18														
							7	22.78	7.34	6.34	0.18														
							8	22.8	7.33	6.3	0.18														
							9	22.78	7.34	6.33	0.18														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							10	22.78	7.34	6.35	0.181														
							11	22.77	7.34	6.35	0.181														
							12	22.78	7.34	6.35	0.181														
							13	22.78	7.34	6.34	0.181														
							14	22.76	7.34	6.36	0.181														
							15	22.77	7.34	6.35	0.181														
							16	22.77	7.34	6.33	0.18														
							17	22.75	7.34	6.31	0.18														
							18	22.75	7.34	6.28	0.18														
							19	22.73	7.33	6.24	0.18														
							20	22.73	7.32	6.17	0.18														
							25	22.73	7.32	6.13	0.18														
							29.1	22.75	7.3	6.03	0.18														
Mitchell	2	A	41597	123634	0.9	2.79	----	----	----	----	----	8.5	49.0	46.9	80.0	8.0	4.16	0.03	0.09	<0.15	0.08	0.008	17.89	59	1*
							0.1	18.90	6.94	9.30	0.120														
							1	18.62	7.20	9.28	0.121														
							1.5	18.48	7.35	9.19	0.124														
							2	18.43	7.38	9.11	0.121														
							3	18.39	7.38	8.98	0.124														
							4	18.33	7.39	8.88	0.119														
							5	18.30	7.39	8.85	0.127														
							6	18.26	7.38	8.76	0.128														
							7	18.22	7.37	8.70	0.128														
							8	18.19	7.35	8.59	0.120														
							9	18.08	7.32	8.44	0.119														
							10	18.07	7.32	8.43	0.125														
							11	18.05	7.31	8.41	0.126														
							12	18.05	7.31	8.39	0.125														
							13	18.05	7.31	8.36	0.128														
							13.2	18.05	7.30	8.34	0.129														
Mitchell	2	A	51397	1145	0.9	2.47	----	----	----	----	----	12.7	45.0	43.1	100.0	8.0	4.05	<0.015	0.14	<0.15	0.07	0.005	13.35	56	2*
							0.2	21.46	6.74	8.33	0.107														
							1	21.24	6.89	8.35	0.107														
							1.5	20.96	6.93	8.25	0.107														
							2	20.86	6.98	8.18	0.107														
							3	20.70	6.96	7.98	0.107														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							4	20.65	6.95	7.91	0.107														
							5	20.66	6.95	7.86	0.107														
							6	20.64	6.96	7.84	0.107														
							7	20.64	6.97	7.83	0.107														
							8	20.66	6.97	7.83	0.107														
							9	20.63	6.97	7.83	0.107														
							10	20.63	6.97	7.84	0.107														
							11	20.64	6.98	7.82	0.107														
							12	20.63	6.98	7.82	0.107														
							13	20.63	6.98	7.84	0.107														
							13.6	20.63	6.98	7.82	0.107														
Mitchell	2	A	61797	111024	1.0	2.14	----	----	----	----	----	10.1	51.0	54.7	57.0	11.0	0.94	<0.015	0.11	0.28	0.07	0.007	23.00	61	23
							0.3	25.18	6.34	7.48	0.122														
							1	24.87	6.64	7.44	0.122														
							1.5	24.92	6.88	7.33	0.122														
							2	24.67	6.92	7.26	0.123														
							3	24.61	6.93	7.13	0.123														
							4	24.61	6.94	7.08	0.122														
							5	24.61	6.98	7.06	0.122														
							6	24.61	6.98	7.05	0.122														
							7	24.59	6.99	7.03	0.122														
							9	24.59	6.99	7.03	0.122														
							10	24.59	6.99	7.02	0.122														
							11	24.59	6.99	7.01	0.122														
							12	24.59	6.99	6.99	0.122														
							13	24.59	6.99	6.99	0.122														
Mitchell	2	A	72297	152036	1.7	3.27	----	----	----	----	----	4.3	52.0	47.5	56.0	3.0	1.78	<0.015	0.13	<0.15	0.1	0.006	18.50	59	6*
							0.3	29.68	6.73	5.89	0.123														
							1.5	29.56	6.80	5.44	0.123														
							2	29.60	6.84	5.48	0.123														
							3	29.44	6.82	5.07	0.124														
							4	29.39	6.80	4.90	0.123														
							5	29.27	6.77	4.55	0.123														
							6	29.23	6.76	4.48	0.123														
							7	29.23	6.76	4.45	0.123														
							8	29.21	6.76	4.43	0.123														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							9	29.21	6.76	4.43	0.123														
							10	29.21	6.76	4.42	0.123														
							11	29.21	6.76	4.40	0.123														
							12	29.21	6.76	4.40	0.123														
							13	29.21	6.76	4.38	0.123														
							13.1	29.21	6.76	4.37	0.123														
Mitchell	2	A	81197	113811	1.8	3.89	----	----	----	----	----	3.7	58.0	57.0	92.0	4.0	1.59	<0.015	0.10	0.59	0.14	0.006	15.50	57	3*
							0.3	29.46	7.35	6.53	0.138														
							1	29.48	7.38	6.55	0.138														
							1.5	29.33	7.36	6.03	0.138														
							2	29.23	7.35	5.87	0.139														
							3	29.21	7.35	5.75	0.139														
							4	29.21	7.34	5.61	0.14														
							5	29.15	7.33	5.43	0.14														
							6	29.13	7.32	5.38	0.14														
							7	29.11	7.31	5.17	0.14														
							8	29.11	7.29	5.05	0.14														
							9	29.11	7.28	5.04	0.14														
							10	29.09	7.27	4.74	0.14														
							11	29.03	7.25	4.62	0.14														
							12	29.01	7.23	4.34	0.141														
							12.9	29.01	7.22	4.28	0.141														
Mitchell	2	A	91597	115302	1.5	3.44	----	----	----	----	----	3.8	69.0	67.2	118.0	2.0	1.66	<0.015	0.02	<0.15	0.06	<0.004	21.40	61	<1
							0.3	28.58	7.51	6.87	0.165														
							1	28.54	7.54	6.88	0.165														
							1.5	27.98	7.36	5.73	0.164														
							2	27.94	7.37	5.7	0.163														
							3	27.88	7.34	5.55	0.164														
							4	27.86	7.33	5.48	0.164														
							5.1	27.86	7.33	5.46	0.164														
							6	27.86	7.32	5.42	0.164														
							7	27.86	7.32	5.4	0.164														
							8	27.84	7.33	5.46	0.164														
							9	27.84	7.33	5.48	0.165														
							10	27.82	7.32	5.33	0.164														
							11	27.78	7.28	5.02	0.164														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							12	27.63	7.17	3.97	0.167														
							13	27.63	7.16	3.86	0.167														
							13.2	27.63	7.15	3.83	0.167														
Mitchell	2	A	102197	140451	1.0	2.43	----	----	----	----	----	6.7	79.0	70.7	125.0	5.0	4.16	<0.015	0.06	0.27	0.09	<0.004	34.71	65	6*
							0.3	23.57	7.95	9.44	0.193														
							1	22.76	7.6	7.95	0.194														
							1.5	22.68	7.48	7.56	0.194														
							2	22.66	7.46	7.52	0.194														
							3	22.58	7.41	7.14	0.195														
							4	22.56	7.4	7.06	0.194														
							5	22.54	7.38	6.97	0.194														
							6	22.48	7.38	6.92	0.194														
							7	22.46	7.37	6.85	0.194														
							8	22.45	7.36	6.82	0.194														
							9	22.39	7.37	6.82	0.194														
							10	22.36	7.37	6.83	0.195														
							11	22.32	7.38	6.83	0.195														
							12	22.29	7.35	6.49	0.195														
							12.6	22.29	7.35	6.43	0.195														
Lay	1	A	41597	143541	1.0	2.61	----	----	----	----	----	7.6	51.0	46.9	112.0	9.0	4.69	<0.015	0.08	<0.15	0.08	0.008	18.96	59	<1
							0.1	20.40	7.90	10.93	0.122														
							1	19.10	8.02	10.59	0.121														
							1.5	19.01	8.03	10.55	0.124														
							2	19.01	8.02	10.44	0.123														
							3	18.91	7.95	10.03	0.124														
							4	18.71	7.83	9.67	0.124														
							5	18.64	7.76	9.37	0.125														
							6	18.52	7.53	8.73	0.124														
							7	18.37	7.43	8.14	0.124														
							8	18.35	7.38	8.06	0.129														
							9	18.34	7.35	8.03	0.123														
							10	18.33	7.33	8.00	0.131														
							11	18.33	7.31	7.96	0.128														
							12	18.31	7.30	7.92	0.134														
							13	18.30	7.28	7.89	0.120														
							14	18.28	7.28	7.89	0.134														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							15	18.29	7.28	7.89	0.137														
							16	18.30	7.28	7.88	0.114														
							17	18.30	7.28	7.87	0.140														
							18	18.30	7.28	7.87	0.114														
							19	18.29	7.27	7.86	0.124														
							20	18.28	7.27	7.85	0.134														
							23.6	18.26	7.27	7.80	0.130														
Lay	1	A	51397	1355	0.9	2.53	----	----	----	----	----	10.7	44.0	38.4	72.0	8.0	3.72	<0.015	0.07	<0.15	0.07	<0.004	26.70	63	1*
							0.2	21.88	7.80	9.76	0.106														
							1	21.75	7.83	9.73	0.106														
							1.5	21.49	7.62	9.37	0.106														
							2	21.40	7.45	9.08	0.106														
							3	21.35	7.38	8.92	0.106														
							4	21.33	7.36	8.83	0.106														
							5	21.30	7.34	8.76	0.106														
							6	21.23	7.29	8.65	0.106														
							7	21.14	7.25	8.51	0.107														
							8	21.10	7.21	8.39	0.107														
							9	21.09	7.20	8.36	0.106														
							10	21.10	7.19	8.33	0.107														
							11	21.10	7.19	8.33	0.106														
							12	21.09	7.18	8.31	0.106														
							13	21.02	7.17	8.21	0.107														
							14	20.53	6.99	7.32	0.107														
							15	20.53	6.97	7.21	0.107														
							16	20.53	6.95	7.20	0.107														
							17	20.49	6.94	7.15	0.107														
							18	20.48	6.94	7.12	0.107														
							19	20.48	6.94	7.11	0.107														
							20	20.46	6.93	7.06	0.107														
							23.4	20.41	6.89	6.73	0.108														
Lay	1	A	61797	125920	1.2	2.94	----	----	----	----	----	7.7	50.0	51.3	47.0	8.0	0.82	<0.015	0.08	0.71	0.03	0.008	21.40	61	15*
							0.3	25.24	6.58	7.79	0.120														
							1	25.22	6.98	7.81	0.119														
							1.5	25.22	7.13	7.83	0.119														
							2	25.20	7.18	7.78	0.120														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							3	25.16	7.22	7.71	0.119														
							4	25.16	7.23	7.68	0.119														
							5	25.07	7.20	7.56	0.119														
							6	24.72	7.11	7.10	0.118														
							7	24.63	7.03	6.87	0.118														
							8	24.61	7.01	6.83	0.118														
							9	24.61	7.01	6.83	0.118														
							10	24.54	7.00	6.80	0.117														
							11	24.58	6.99	6.74	0.117														
							12	24.47	6.98	6.65	0.117														
							13	24.45	6.96	6.54	0.117														
							14	24.43	6.95	6.48	0.117														
							15	24.39	6.94	6.45	0.118														
							16	24.39	6.94	6.40	0.118														
							17	24.37	6.93	6.37	0.119														
							18	24.34	6.92	6.31	0.119														
							19	24.36	6.92	6.30	0.119														
							20	24.37	6.93	6.33	0.119														
							23.4	24.30	6.91	6.15	0.120														
Lay	1	A	72397	90237	1.7	3.25	----	----	----	----	----	4.4	53.0	50.6	44.0	<1.0	1.59	<0.015	0.09	<0.15	0.06	0.005	11.20	54	<1
							0.3	29.64	7.06	4.51	0.129														
							1.5	29.64	7.13	4.47	0.128														
							2	29.60	7.15	4.41	0.130														
							3	29.56	7.15	4.34	0.130														
							4	29.54	7.14	4.32	0.129														
							5	29.56	7.15	4.34	0.130														
							6	29.54	7.16	4.33	0.130														
							7	29.54	7.16	4.34	0.130														
							8	29.54	7.16	4.32	0.130														
							9	29.54	7.16	4.35	0.130														
							10	29.54	7.17	4.36	0.130														
							11	29.54	7.17	4.36	0.130														
							12	29.54	7.18	4.35	0.130														
							13	29.54	7.17	4.34	0.130														
							14	29.54	7.17	4.35	0.130														
							15	29.52	7.14	4.00	0.129														
							16	29.48	7.06	3.08	0.129														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							17	29.46	7.02	2.47	0.129														
							18	29.46	7.00	2.32	0.129														
							19	29.35	6.93	1.29	0.129														
							20	29.21	6.89	0.75	0.127														
							24.3	28.64	6.91	0.36	0.135														
Lay	1	A	81197	134039	1.6	3.55	----	----	----	----	----	4.8	60.0	58.7	106.0	6.0	1.69	<0.015	0.11	0.66	0.12	0.01	12.80	56	<1
							0.2	29.84	7.24	5.42	0.142														
							1	29.48	7.26	4.87	0.142														
							1.5	29.25	7.23	4.46	0.143														
							2	29.21	7.22	4.2	0.143														
							3	29.11	7.22	4.03	0.144														
							4	29.11	7.22	4.03	0.144														
							5	29.11	7.23	4.01	0.144														
							6	29.11	7.23	4.1	0.145														
							7	29.11	7.24	4.07	0.145														
							8	29.09	7.24	3.97	0.145														
							9	29.09	7.23	3.89	0.146														
							10	29.09	7.23	3.89	0.146														
							11	29.09	7.24	3.9	0.146														
							12	29.09	7.24	3.89	0.146														
							13	29.09	7.24	3.92	0.146														
							14	29.09	7.25	4	0.146														
							15	29.07	7.25	3.94	0.146														
							16	29.05	7.25	3.85	0.145														
							17	29.05	7.25	3.82	0.145														
							18	29.03	7.24	3.8	0.146														
							19	29.01	7.25	3.79	0.146														
							20	28.97	7.26	3.84	0.147														
							24.1	28.93	7.25	3.74	0.15														
Lay	1	A	91597	131559	1.1	3.48	----	----	----	----	----	4.0	72.0	66.3	114.0	6.0	1.34	<0.015	<0.003	<0.15	0.06	<0.004	27.4	63	<1
							0.3	29.31	7.79	7.09	0.17														
							1	28.7	7.76	6.79	0.169														
							1.5	28.35	7.56	5.64	0.169														
							2	28.27	7.51	5.71	0.168														
							3	28.13	7.36	4.8	0.169														
							4	28.09	7.27	4.21	0.17														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							5	28.07	7.16	3.07	0.17														
							6	28.07	7.15	3.05	0.171														
							7	28.05	7.12	2.75	0.171														
							8	28.05	7.11	2.69	0.172														
							9	28.05	7.11	2.67	0.173														
							10	28.04	7.1	2.55	0.173														
							11	28.02	7.08	2.26	0.171														
							12	28.02	7.07	2.25	0.171														
							13	28	7.09	2.45	0.17														
							14	28	7.08	2.28	0.171														
							15	28	7.07	2.19	0.171														
							16	27.96	7.07	2.21	0.171														
							17	27.94	7.08	2.21	0.172														
							18	27.94	7.08	2.25	0.173														
							19	27.94	7.08	2.23	0.173														
							20	27.94	7.08	2.23	0.173														
							24	27.88	7.09	1.96	0.176														
Lay	1	A	102197	154103	1.2	2.76	----	----	----	----	----	6.9	78.0	70.6	121.0	5.0	4.42	<0.015	0.07	0.35	0.09	0.008	30.97	64	3*
							0.3	22.95	7.47	7.51	0.193														
							1	22.86	7.46	7.15	0.193														
							1.5	22.77	7.41	6.69	0.193														
							2	22.61	7.35	6.16	0.193														
							3	22.62	7.34	6.11	0.193														
							4	22.61	7.34	6.12	0.194														
							5	22.6	7.34	6.12	0.194														
							6	22.61	7.34	6.09	0.194														
							7	22.6	7.34	6.08	0.195														
							8	22.54	7.35	6.19	0.194														
							9	22.5	7.37	6.33	0.193														
							10	22.47	7.38	6.42	0.194														
							11	22.45	7.39	6.44	0.192														
							12	22.42	7.38	6.34	0.191														
							13	22.39	7.38	6.32	0.191														
							14	22.36	7.35	6.05	0.189														
							15	22.29	7.34	6.01	0.19														
							16	22.27	7.34	5.97	0.19														
							17	22.23	7.33	5.95	0.192														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							18	22.18	7.34	6.01	0.191														
							19	22.18	7.35	6.09	0.191														
							20	22.16	7.35	6.11	0.192														
							23.8	22.07	7.38	6.31	0.193														
Lay	3	A	41597	153050	0.9	2.14	----	----	----	----	----	11.7	49.0	47.4	105.0	11.0	4.43	<0.015	0.09	<0.15	0.09	0.009	23.23	61	5*
							0.1	20.36	7.56	10.02	0.119														
							1	19.87	7.72	9.62	0.119														
							1.5	19.03	7.62	9.29	0.119														
							2	18.79	7.56	9.16	0.120														
							3	18.29	7.43	8.48	0.118														
							4	18.26	7.37	8.42	0.123														
							5	18.14	7.33	8.23	0.122														
							6	18.06	7.30	8.15	0.122														
							7	18.07	7.27	8.09	0.124														
							8	18.04	7.26	8.05	0.124														
							9	18.04	7.26	8.04	0.120														
							10	18.03	7.25	8.00	0.124														
							11	18.00	7.25	7.96	0.121														
							12	17.94	7.23	7.87	0.114														
							13	17.93	7.23	7.84	0.125														
							13.3	17.92	7.23	7.83	0.134														
Lay	3	A	51397	1500	0.8	2.33	----	----	----	----	----	14.9	43.0	40.8	60.0	10.0	4.10	<0.015	0.12	<0.15	0.07	0.004	24.56	62	5*
							0.3	22.54	7.29	9.39	0.105														
							1	22.41	7.47	9.29	0.104														
							1.5	22.38	7.47	9.26	0.104														
							2	22.32	7.44	9.04	0.104														
							3	21.49	7.19	8.20	0.104														
							4	21.13	7.05	7.72	0.105														
							5	21.12	7.02	7.67	0.105														
							6	21.09	7.02	7.68	0.105														
							7	21.09	7.02	7.70	0.105														
							8	21.07	7.02	7.67	0.105														
							9	21.07	7.02	7.68	0.105														
							10	21.07	7.02	7.72	0.105														
							11	21.06	7.03	7.71	0.105														
							12	21.05	7.02	7.69	0.105														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							12.9	21.05	7.02	7.66	0.105														
Lay	3	A	61797	1236	0.9	2.16	----	----	----	----	----	12.3	51.0	56.9	70.0	14.0	0.69	<0.015	0.12	<0.150	0.03	0.019	19.20	60	27
							0.2	24.41	6.74	7.01	0.122														
							1	24.37	6.88	7.01	0.122														
							1.5	24.39	6.95	6.94	0.122														
							2	24.39	6.97	6.93	0.122														
							3	24.34	6.99	6.88	0.122														
							4	24.36	6.99	6.81	0.122														
							5	24.32	6.99	6.71	0.122														
							6	24.30	7.01	6.78	0.122														
							7	24.32	7.01	6.70	0.122														
							8	24.30	7.01	6.69	0.122														
							9	24.30	7.01	6.71	0.122														
							10	24.32	7.02	6.70	0.122														
							11	24.30	7.01	6.65	0.122														
							12	24.30	7.01	6.64	0.122														
							14	24.30	7.01	6.65	0.122														
							14.6	24.30	7.01	6.65	0.122														
Lay	3	A	72397	94927	1.1	2.12	----	----	----	----	----	9.6	55.0	51.8	40.0	7.0	1.15	<0.015	0.12	<0.15	0.07	0.006	15.00	57	<1
							0.3	29.42	7.16	5.42	0.139														
							1.5	29.29	7.22	5.11	0.139														
							2	29.29	7.23	5.10	0.139														
							3	29.27	7.23	5.04	0.139														
							4	29.27	7.23	5.02	0.139														
							5	29.27	7.22	5.02	0.139														
							6	29.27	7.22	5.00	0.139														
							7	29.27	7.23	4.99	0.139														
							8	29.25	7.22	4.87	0.140														
							9	29.23	7.19	4.52	0.139														
							10	29.21	7.19	4.58	0.140														
							11	29.21	7.20	4.68	0.140														
							12	29.19	7.21	4.73	0.140														
							13	29.19	7.21	4.77	0.140														
							13.8	29.15	7.22	4.71	0.140														
Lay	3	A	81197	143007	1.0	2.33	----	----	----	----	----	7.2	64.0	62.0	111.0	7.0	1.99	<0.015	0.06	0.77	0.13	0.003	33.60	65	2*

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							0.3	31.01	8.31	9.24	0.149														
							1	30.3	8.56	9.83	0.149														
							1.5	30.26	8.55	9.77	0.149														
							2	30	8.52	8.67	0.15														
							3	28.93	7.87	6.95	0.152														
							4	28.83	7.69	6.04	0.151														
							5	28.81	7.55	5.65	0.151														
							6	28.81	7.5	5.59	0.152														
							7	28.81	7.48	5.51	0.153														
							8	28.79	7.44	5.16	0.153														
							9	28.72	7.38	4.74	0.152														
							10	28.7	7.36	4.64	0.152														
							11	28.64	7.34	4.5	0.152														
							12	28.62	7.33	4.47	0.152														
							13.1	28.6	7.33	4.47	0.153														
Lay	3	A	91597	140713	0.8	2.37	----	----	----	----	----	7.7	77.0	70.9	128.0	9.0	1.51	<0.015	<0.003	<0.15	0.06	<0.004	31.70	64	<1
							0.3	30.16	8.21	8.13	0.186														
							1	29.62	8.24	8.26	0.186														
							1.5	29.33	8.34	8.57	0.186														
							2	29.23	8.33	8.42	0.187														
							3	28.95	8.22	7.78	0.187														
							4	28.05	7.63	5.8	0.187														
							5	28.02	7.55	5.45	0.186														
							6	27.9	7.48	5.14	0.186														
							7	27.88	7.51	5.32	0.186														
							8	27.88	7.53	5.49	0.186														
							9	27.88	7.53	5.48	0.186														
							10	27.86	7.52	5.42	0.186														
							11	27.84	7.5	5.24	0.187														
							12	27.8	7.44	4.64	0.187														
							13	27.78	7.39	4.39	0.188														
Lay	3	A	102197	162411	1.0	2.15	----	----	----	----	----	7.9	79.0	71.6	122.0	4.0	3.98	<0.015	0.12	0.47	0.07	0.007	27.23	63	1*
							0.3	22.44	7.18	8.33	0.192														
							1	22.35	7.57	8.2	0.193														
							1.5	22.13	7.47	7.37	0.192														
							2	22.06	7.42	7	0.193														

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							2	22.16	7.47	7.38	0.193														
							3	21.83	7.34	6.45	0.193														
							4	21.72	7.3	6.15	0.193														
							5	21.72	7.29	6.09	0.193														
							6	21.69	7.28	6.06	0.193														
							7	21.7	7.28	6.05	0.192														
							8	21.67	7.27	6.02	0.192														
							9	21.67	7.28	6.09	0.192														
							10	21.67	7.29	6.13	0.192														
							11	21.61	7.3	6.3	0.192														
							12	21.6	7.31	6.32	0.192														
							13	21.6	7.32	6.29	0.192														
Lay	2	A	41597	164357	0.9	2.12	----	----	----	----	----	9.8	51.0	47.7	100.0	9.0	4.61	<0.015	0.11	<0.15	0.09	0.009	21.09	60	10*
							0.1	20.00	7.48	9.82	0.124														
							1	19.72	7.69	9.86	0.124														
							1.5	19.01	7.67	9.56	0.130														
							2	18.50	7.43	8.85	0.129														
							3	18.50	7.35	8.54	0.133														
							4	18.49	7.33	8.45	0.129														
							4.2	18.45	7.32	8.40	0.134														
Lay	2	B	41597	165246	0.9	2.05	----	----	----	----	----	10.0	50.0	47.4	108.0	10.0	4.62	<0.015	0.12	<0.15	0.09	0.009	22.70	61	9*
							0.1	19.77	7.44	9.58	0.129														
							1	19.88	7.71	9.53	0.128														
							1.5	18.84	7.66	9.13	0.129														
							2	18.69	7.57	8.90	0.130														
							3	18.50	7.43	8.40	0.130														
							4	18.46	7.38	8.30	0.133														
							4.3	18.45	7.37	8.30	0.129														
Lay	2	A	51397	1550	0.8	1.85	----	----	----	----	----	20.2	38.0	37.1	44.0	15.0	4.55	<0.015	0.18	<0.15	0.08	0.01	10.15	53	5*
							0.2	21.32	6.64	7.29	0.100														
							1	21.28	6.81	7.20	0.099														
							1.5	21.26	6.87	7.18	0.099														
							2	21.24	6.87	7.16	0.099														
							3	21.24	6.88	7.15	0.099														
							4	21.26	6.88	7.14	0.099														
							4.4	21.24	6.89	7.15	0.099														
Lay	2	B	51397	1615	0.7	1.84	----	----	----	----	----	20.9	40.0	37.7	44.0	15.0	4.08	<0.015	0.18	<0.15	0.08	0.011	11.75	55	3*

Reservoir Water Quality Monitoring Program
Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							0.3	21.30	6.89	7.18	0.099														
							1	21.26	6.90	7.17	0.099														
							1.5	21.26	6.90	7.16	0.099														
							2	21.24	6.90	7.15	0.099														
							3	21.23	6.90	7.14	0.099														
							4	21.23	6.90	7.13	0.099														
							4.6	21.23	6.90	7.12	0.098														
Lay	2	A	61797	1332	0.6	1.9	----	----	----	----	----	19.3	51.0	55.4	54.0	14.0	0.75	<0.015	0.14	0.42	0.05	0.016	11.20	54	160
							0.3	24.23	6.52	6.93	0.121														
							1	24.23	6.84	6.92	0.121														
							1.5	24.25	7.01	6.89	0.121														
							2	24.25	7.02	6.88	0.121														
							3	24.25	7.02	6.88	0.121														
							4	24.25	7.02	6.88	0.121														
							4.6	24.25	7.02	6.88	0.120														
Lay	2	B	61797	1343	0.6	2.03	----	----	----	----	----	18.8	50.0	58.9	66.0	17.0	0.56	<0.015	0.14	<0.150	0.05	0.006	15.00	57	220
							0.2	24.23	7.03	6.89	0.121														
							1	24.23	7.03	6.89	0.121														
							1.5	24.23	7.03	6.88	0.121														
							2	24.23	7.03	6.88	0.120														
							3	24.23	7.03	6.88	0.121														
							4	24.23	7.03	6.88	0.120														
							4.3	24.23	7.03	6.87	0.120														
Lay	2	A	72397	103707	1.2	2.28	----	----	----	----	----	8.1	59.0	55.0	40.0	4.0	1.16	<0.015	0.15	<0.15	0.07	0.008	10.10	53	16*
							0.3	31.12	7.28	6.03	0.145														
							1.5	30.91	7.32	5.75	0.145														
							2	30.75	7.31	5.41	0.146														
							3	30.59	7.32	5.37	0.152														
							4	29.64	7.21	4.48	0.152														
							4.5	29.62	7.19	4.43	0.152														

Reservoir Water Quality Monitoring Program
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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
Lay	2	A	81197	152834	0.9	2.07	----	----	----	----	----	11.8	64.0	61.6	114.0	13.0	1.42	<0.015	0.17	0.59	0.11	0.008	16.60	58	4*
							0.3	29.7	7.12	5.57	0.152														
							1	29.7	7.22	5.51	0.152														
							1.5	29.66	7.35	5.5	0.152														
							2	29.64	7.35	5.45	0.152														
							3	29.62	7.36	5.45	0.152														
							4	29.64	7.36	5.44	0.152														
							4.8	29.62	7.37	5.43	0.153														
Lay	2	B	81197	153700	0.9	2.23	----	----	----	----	----	10.8	63.0	61.9	112.0	9.0	1.56	<0.015	0.16	0.79	0.13	0.008	23.00	61	6*
							0.3	29.6	7.37	5.52	0.152														
							1	29.6	7.36	5.52	0.152														
							1.5	29.58	7.36	5.5	0.152														
							2	29.58	7.37	5.47	0.152														
							3	29.58	7.36	5.46	0.152														
							4	29.58	7.37	5.44	0.152														
							4.8	29.6	7.37	5.45	0.152														
Lay	2	A	91597	150043	0.9	2.47	----	----	----	----	----	7.9	74.0	71.8	96.0	9.0	0.90	<0.015	0.07	<0.15	0.07	<0.004	20.60	60	2*
							0.3	29.92	7.54	6.65	0.167														
							1	29.74	7.52	6.45	0.168														
							1.5	29.52	7.49	6.32	0.169														
							2	29.48	7.47	6.2	0.169														
							3	29.39	7.44	6.02	0.169														
							4	29.23	7.41	5.84	0.169														
							4.5	28.97	7.36	5.25	0.171														
Lay	2	B	91597	150654	0.9	2.52	----	----	----	----	----	7.7	74.0	70.2	113.0	9.0	1.07	<0.015	0.05	<0.15	0.06	<0.004	22.8	61	1*
							0.3	29.86	7.55	6.53	0.168														
							1	29.66	7.52	6.4	0.168														
							1.5	29.5	7.48	6.17	0.169														
							2	29.46	7.47	6.1	0.17														
							3	29.41	7.45	5.94	0.171														
							4	29.19	7.41	5.79	0.169														
							4.5	28.93	7.37	5.25	0.17														
Lay	2	A	102197	171347	1.0	2.4	----	----	----	----	----	8.9	78.0	73.7	123.0	4.0	3.63	<0.015	0.15	<0.15	0.09	0.011	20.29	60	12*
							0.3	23.31	7.4	7.86	0.197														
							1	23.28	7.45	7.83	0.197														
							1.5	23.29	7.53	7.79	0.197														
							2	23.21	7.53	7.75	0.197														

Reservoir Water Quality Monitoring Program
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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							3	22.71	7.45	7.21	0.185														
							4	22.36	7.41	7.15	0.184														
							4.3	22.33	7.41	7.13	0.184														
Lay	2	B	102197	171846	1.0	2.41	----	----	----	----	----	8.8	76.0	74.8	114.0	5.0	4.18	<0.015	0.15	<0.15	0.08	0.006	19.22	60	3*
							0.4	23.29	7.53	7.77	0.196														
							1	23.26	7.53	7.75	0.197														
							1.5	23.22	7.54	7.71	0.196														
							2	23.19	7.53	7.69	0.195														
							3	22.82	7.48	7.41	0.186														
							4	22.36	7.42	7.11	0.183														
							4.3	22.35	7.41	7.11	0.184														
Logan Martin	1	A	41697	100149	1.0	2.88	----	----	----	----	----	6.9	48.0	45.3	59.0	8.0	4.00	<0.015	0.05	<0.15	0.07	0.006	21.89	61	<1
							0.1	18.43	7.52	10.26	0.111														
							1	18.43	7.76	10.06	0.112														
							1.5	18.20	7.67	9.65	0.112														
							2	18.17	7.60	9.32	0.113														
							3	18.04	7.45	8.71	0.113														
							4	17.80	7.33	8.37	0.113														
							5	17.70	7.30	8.27	0.113														
							6	17.66	7.28	8.27	0.118														
							7	17.63	7.26	8.20	0.120														
							8	17.63	7.25	8.12	0.107														
							9	17.59	7.23	8.05	0.123														
							10	17.58	7.22	7.97	0.116														
							11	17.58	7.22	7.97	0.123														
							12	17.58	7.22	7.95	0.121														
							13	17.58	7.22	7.94	0.117														
							14	17.56	7.21	7.85	0.121														
							15	17.53	7.21	7.78	0.120														
							16	17.53	7.21	7.78	0.124														
							17	17.51	7.20	7.73	0.113														
							18	17.51	7.20	7.70	0.118														
							19	17.51	7.20	7.69	0.125														
							19.5	17.50	7.21	7.67	0.118														
Logan Martin	1	A	51497	1000	0.8	2.27	----	----	----	----	----	12.4	35.0	37.7	213.0	9.0	4.43	<0.015	0.10	<0.15	0.1	0.008	18.20	59	1*
							0.3	21.42	6.79	9.25	0.085														
							1	21.46	7.06	9.21	0.086														
							1.5	21.32	7.12	8.95	0.086														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							2	21.12	7.10	8.62	0.085														
							3	20.76	6.95	7.80	0.085														
							4	20.47	6.84	7.06	0.085														
							5	20.41	6.79	6.94	0.085														
							6	20.39	6.79	6.91	0.085														
							7	20.35	6.77	6.77	0.085														
							8	20.27	6.75	6.59	0.084														
							9	20.24	6.75	6.56	0.085														
							10	20.22	6.74	6.52	0.085														
							11	20.20	6.74	6.47	0.086														
							12	20.20	6.74	6.46	0.086														
							13	20.18	6.74	6.46	0.086														
							14	20.16	6.74	6.42	0.087														
							15	20.15	6.74	6.38	0.087														
							16	20.13	6.74	6.34	0.088														
							17	20.09	6.73	6.22	0.088														
							18	20.08	6.73	6.16	0.089														
							19	20.06	6.72	6.06	0.089														
							20	20.04	6.72	5.93	0.089														
							20.5	20.04	6.71	5.76	0.089														
Logan Martin	1	A	61897	92909	0.9	2.09	----	----	----	----	----	13.9	45.0	48.4	60.0	9.0	1.80	0.02	0.14	<0.150	0.02	0.012	21.40	61	12*
							0.2	24.12	6.71	6.79	0.113														
							1	24.12	6.82	6.75	0.113														
							1.5	24.12	6.86	6.71	0.113														
							2	24.12	6.88	6.65	0.113														
							3	24.08	6.88	6.61	0.113														
							4	24.08	6.88	6.58	0.113														
							5	24.06	6.89	6.51	0.113														
							6	24.06	6.88	6.47	0.113														
							7	24.06	6.88	6.43	0.113														
							8	24.06	6.88	6.42	0.113														
							9	24.06	6.89	6.41	0.112														

Reservoir Water Quality Monitoring Program
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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							10	24.06	6.89	6.41	0.113														
							11	24.06	6.89	6.37	0.113														
							12	24.06	6.89	6.38	0.113														
							13	24.06	6.89	6.30	0.113														
							14	24.06	6.89	6.31	0.113														
							15	24.06	6.89	6.29	0.113														
							16	24.06	6.89	6.29	0.113														
							17	24.06	6.89	6.30	0.112														
							18	24.06	6.89	6.29	0.113														
							19	24.06	6.89	6.27	0.112														
							20	24.05	6.89	6.25	0.112														
							20.9	24.05	6.89	6.24	0.113														
Logan Martin	1	A	72397	134837	1.8	4.89	----	----	----	----	----	3.2	55.0	51.0	40.0	<1.0	0.97	<0.015	0.07	<0.15	0.06	0.002	17.60	59	1*
							0.3	30.30	7.92	7.15	0.127														
							1.5	30.32	8.00	7.09	0.127														
							2	29.96	7.90	6.71	0.128														
							3	29.74	7.68	5.87	0.127														
							4	29.66	7.57	5.47	0.127														
							5	29.60	7.42	4.62	0.128														
							6	29.50	7.25	3.63	0.128														
							7	29.13	7.01	1.15	0.129														
							8	28.95	6.94	0.69	0.128														
							9	28.72	6.92	0.41	0.128														
							10	28.64	6.91	0.37	0.128														
							11	28.58	6.91	0.36	0.128														
							12	28.38	6.90	0.36	0.128														
							13	28.05	6.91	0.35	0.129														
							14	27.90	6.91	0.35	0.130														
							15	27.75	6.91	0.34	0.131														
							16	27.65	6.92	0.34	0.132														
							17	27.53	6.92	0.35	0.133														
							18	27.46	6.93	0.34	0.136														
							19	27.30	6.94	0.33	0.139														
							20	26.49	6.99	0.34	0.154														
							20.6	26.43	7.01	0.34	0.155														
Logan Martin	1	A	81297	100954	1.2	3.8	----	----	----	----	----	3.9	58.0	59.4	93.0	4.0	1.59	<0.015	0.10	0.66	0.04	0.004	28.30	63	<1
							0.3	29.31	8.25	8.74	0.132														
							1	29.09	8.36	8.91	0.132														
							1.5	28.56	8.26	8.14	0.132														

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							2	28.44	8.15	7.56	0.131														
							3	28.25	7.5	3.63	0.134														
							4	28.21	7.36	3.47	0.133														
							5	28.17	7.29	3.47	0.133														
							6	28.13	7.24	3.4	0.133														
							7	28.04	7.21	3.25	0.134														
							8	28.02	7.19	3.3	0.134														
							9	28	7.18	3.35	0.134														
							10	28	7.18	3.38	0.135														
							11	27.98	7.17	3.39	0.135														
							12	27.94	7.17	3.33	0.135														
							13	27.88	7.16	3.27	0.135														
							14	27.84	7.16	3.34	0.136														
							15	27.84	7.16	3.34	0.136														
							16	27.8	7.16	3.29	0.137														
							17	27.76	7.15	3.18	0.136														
							18	27.76	7.15	3.06	0.136														
							19	27.75	7.14	3	0.136														
							20	27.75	7.14	2.92	0.136														
							20.8	27.75	7.11	2.77	0.137														
Logan Martin	1	A	91697	95934	1.4	3.62	----	----	----	----	----	4.2	66.0	65.5	104.0	1.0	1.12	<0.015	0.01	0.40	0.06	<0.004	23.50	62	<1
							0.3	27.57	7.59	5.94	0.169														
							1	27.52	7.57	5.79	0.169														
							1.5	27.48	7.53	5.56	0.169														
							2	27.46	7.49	5.32	0.169														
							3	27.44	7.46	5.24	0.169														
							4	27.42	7.43	5.08	0.17														
							5	27.42	7.41	4.88	0.17														
							6	27.38	7.39	4.76	0.171														
							7	27.38	7.38	4.74	0.17														
							8	27.38	7.38	4.71	0.17														
							9	27.36	7.38	4.74	0.17														
							10	27.36	7.37	4.36	0.17														
							11	27.34	7.3	4.11	0.171														

Reservoir Water Quality Monitoring Program
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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							12	27.32	7.22	3.49	0.171														
							13	27.29	7.15	2.63	0.172														
							14	27.25	7.11	2.33	0.173														
							15	27.21	7.08	1.86	0.174														
							16	27.17	7.06	1.59	0.176														
							17	27.15	7.07	1.49	0.18														
							18	27.06	7.06	0.33	0.189														
							19	27	7.06	0.3	0.195														
							19.9	27	7.07	0.3	0.195														
Logan Martin	1	A	102297	105350	1.1	2.95	----	----	----	----	----	7.5	68.0	65.5	100.0	8.0	3.24	<0.015	0.12	0.69	0.01	0.01	14.95	57	2*
							0.3	21.67	7.08	5.56	0.162														
							1	21.67	7.16	5.55	0.162														
							1.5	21.66	7.17	5.51	0.162														
							2	21.66	7.19	5.44	0.162														
							3	21.64	7.2	5.37	0.162														
							4	21.64	7.2	5.33	0.162														
							5	21.65	7.2	5.32	0.162														
							6	21.64	7.19	5.31	0.162														
							7	21.65	7.2	5.29	0.162														
							8	21.64	7.19	5.3	0.162														
							9	21.62	7.19	5.3	0.162														
							10	21.6	7.21	5.4	0.162														
							11	21.58	7.21	5.42	0.163														
							12	21.57	7.21	5.45	0.163														
							13	21.57	7.21	5.45	0.163														
							14	21.58	7.22	5.43	0.163														
							15	21.58	7.21	5.36	0.163														
							16	21.58	7.2	5.29	0.163														
							17	21.55	7.17	4.93	0.163														
							18	21.56	7.13	4.35	0.163														
							18.4	21.56	7.07	4.29	0.163														
Logan Martin	3	A	41697	105820	0.8	2.36	----	----	----	----	----	10.1	50.0	47.8	66.0	12.0	4.18	<0.015	0.01	<0.15	0.09	0.006	29.90	64	3*
							0.2	18.56	8.31	11.53	0.114														
							1	18.10	8.35	11.35	0.114														
							1.5	17.99	8.34	11.22	0.115														
							2	17.91	8.32	11.12	0.113														
							3	17.94	8.34	11.22	0.118														
							4	17.85	8.32	11.04	0.115														
							5	17.80	8.27	10.78	0.118														

Reservoir Water Quality Monitoring Program
Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							6	17.66	8.18	10.43	0.119														
							7	17.58	8.05	10.10	0.113														
							8	17.53	7.96	9.91	0.121														
							9	17.51	7.88	9.58	0.117														
							10	17.44	7.72	9.08	0.113														
							11	17.46	7.66	9.20	0.116														
							12	17.45	7.64	9.15	0.117														
							13	17.43	7.64	9.18	0.113														
							14	17.46	7.69	9.31	0.129														
							15	17.46	7.69	9.37	0.105														
							16	17.43	7.63	8.98	0.130														
							17	17.41	7.57	8.94	0.124														
							18	17.39	7.56	8.83	0.113														
							18.1	17.39	7.55	8.86	0.118														
Logan Martin	3	A	51497	103312	0.6	1.72	----	----	----	----	----	19.8	35.0	37.7	90.0	15.0	4.75	<0.015	0.12	<0.15	0.08	0.003	18.70	59	1*
							0.2	21.35	6.71	8.53	0.085														
							1	21.23	6.89	8.12	0.085														
							1.5	21.26	6.98	8.30	0.085														
							2	21.17	6.98	8.20	0.085														
							3	20.89	6.94	7.82	0.085														
							4	20.76	6.89	7.54	0.085														
							5	20.77	6.88	7.46	0.085														
							6	20.76	6.88	7.50	0.085														
							7	20.76	6.89	7.52	0.085														
							8	20.74	6.89	7.46	0.085														
							9	20.72	6.87	7.33	0.085														
							10	20.72	6.87	7.33	0.085														
							11	20.72	6.87	7.28	0.085														
							12	20.73	6.88	7.33	0.085														
							13	20.72	6.88	7.38	0.085														
							14	20.72	6.89	7.39	0.085														
							15	20.70	6.89	7.45	0.085														
							15.7	20.69	6.89	7.41	0.085														

Reservoir Water Quality Monitoring Program
Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
Logan Martin	3	A	61897	102736	0.7	1.54	----	----	----	----	----	30.5	44.0	44.7	78.0	20.0	1.78	<0.015	0.17	0.24	0.03	0.014	17.10	58	177
							0.3	23.63	6.41	6.48	0.105														
							1	23.63	6.57	6.43	0.105														
							1.5	23.65	6.70	6.45	0.106														
							2	23.65	6.74	6.45	0.105														
							3	23.59	6.77	6.41	0.105														
							4	23.59	6.78	6.41	0.105														
							5	23.59	6.79	6.41	0.105														
							6	23.61	6.80	6.39	0.105														
							7	23.59	6.80	6.39	0.104														
							8	23.56	6.80	6.39	0.104														
							9	23.59	6.80	6.39	0.104														
							10	23.52	6.80	6.38	0.103														
							11	23.52	6.80	6.37	0.103														
							12	23.54	6.80	6.38	0.103														
							13	23.59	6.80	6.38	0.104														
							14	23.49	6.80	6.36	0.103														
							15	23.49	6.79	6.34	0.103														
							15.4	23.49	6.79	6.34	0.103														
Logan Martin	3	A	72397	143548	1.1	2.74	----	----	----	----	----	7.7	58.0	56.6	27.0	3.0	0.72	<0.015	0.09	<0.15	0.07	0.001	20.80	60	1*
							0.3	30.71	7.97	7.69	0.134														
							1.5	30.61	8.01	7.42	0.135														
							2	30.14	7.72	6.54	0.136														
							3	30.02	7.65	6.40	0.136														
							4	29.84	7.54	5.97	0.135														
							5	29.64	7.42	5.24	0.136														
							6	29.58	7.40	5.23	0.135														
							7	29.58	7.39	5.17	0.135														
							8	29.56	7.38	4.99	0.135														
							9	29.23	7.25	3.79	0.142														
							10	28.60	7.11	1.96	0.161														
							11	28.07	7.12	1.87	0.178														
							12	27.65	7.13	1.41	0.184														
							13	27.42	7.14	1.37	0.191														
							14	27.21	7.14	0.97	0.194														
							15	27.15	7.15	0.85	0.193														
							15.3	27.15	7.15	0.82	0.193														
Logan Martin	3	A	81297	110518	0.8	2.6	----	----	----	----	----	7.7	60.0	59.4	42.0	6.0	1.46	<0.015	0.04	0.80	0.05	0.002	43.30	68	1*
							0.3	29.13	8.65	10.62	0.134														

Reservoir Water Quality Monitoring Program
Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							1	28.04	8.21	7.7	0.136														
							1.5	27.96	8.06	7.33	0.138														
							2	27.9	7.91	6.78	0.137														
							3	27.88	7.79	6.51	0.138														
							4	27.84	7.69	6.19	0.137														
							5	27.76	7.54	5.4	0.137														
							6	27.71	7.45	4.84	0.138														
							7	27.59	7.34	4.36	0.139														
							8	27.42	7.29	4.04	0.14														
							9	27.3	7.24	3.81	0.142														
							10	27.27	7.22	3.74	0.143														
							11	27.23	7.22	3.81	0.143														
							12	27.19	7.22	3.89	0.143														
							12	27.19	7.22	3.88	0.143														
							13	26.75	7.2	3.38	0.155														
							14	26.51	7.2	3.28	0.159														
							14.8	26.36	7.2	3.08	0.161														
Logan Martin	3	A	91697	104736	0.9	2.67	----	----	----	----	----	7.9	71.0	67.3	105.0	6.0	0.97	<0.015	<0.003	<0.15	0.08	0.002	37.40	66	2*
							0.3	27.32	8.2	7.7	0.178														
							1	27.29	8.18	7.51	0.179														
							1.6	27.19	8.1	7.39	0.178														
							2	27.11	8.01	7.07	0.178														
							3	26.98	7.7	6.05	0.178														
							4	26.96	7.6	5.71	0.178														
							5	26.96	7.57	5.7	0.178														
							6	26.96	7.59	5.78	0.178														
							7	26.96	7.58	5.72	0.178														
							8	26.94	7.57	5.66	0.178														
							9	26.89	7.41	4.75	0.181														
							10	26.66	7.26	3.39	0.189														
							11	26.34	7.19	2.83	0.198														
							12	26.26	7.17	2.64	0.201														
							13	26.11	7.16	2.28	0.206														
							14	25.83	7.13	1.55	0.218														
							15	25.74	7.13	1.06	0.221														
							15.2	25.72	7.12	1.02	0.222														
Logan Martin	3	A	102297	114358	0.7	2.08	----	----	----	----	----	16.0	67.0	65.8	87.0	11.0	3.36	<0.015	0.07	0.54	0.05	0.006	25.1	62	1*
							0.3	20.29	7.16	7.37	0.165														
							1	20.27	7.27	7.36	0.165														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							1.5	20.27	7.37	7.32	0.166														
							2	20.25	7.39	7.26	0.166														
							3	20.22	7.4	7.2	0.166														
							4	20.22	7.4	7.16	0.166														
							5	20.22	7.41	7.17	0.166														
							6	20.2	7.41	7.17	0.165														
							7	20.2	7.41	7.16	0.165														
							8	20.2	7.41	7.16	0.165														
							9	20.2	7.42	7.18	0.165														
							10	20.2	7.43	7.18	0.165														
							11	20.2	7.43	7.19	0.165														
							12	20.2	7.43	7.22	0.165														
							13	20.2	7.43	7.2	0.165														
							14	20.2	7.43	7.19	0.165														
							15	20.2	7.43	7.19	0.165														
							16	20.2	7.42	7.17	0.164														
Logan Martin	2	A	41697	114916	0.8	2	----	----	----	----	----	13.1	50.0	47.4	75.0	16.0	4.21	<0.015	0.01	<0.15	0.09	0.004	37.38	66	2*
							0.2	19.38	8.43	11.94	0.114														
							1	17.83	8.40	11.15	0.117														
							1.5	17.71	8.30	10.95	0.113														
							2	17.59	8.04	10.10	0.113														
							3	17.57	7.96	9.96	0.118														
							4	17.56	7.94	9.87	0.115														
							5	17.56	7.93	9.82	0.113														
							6	17.56	7.92	9.81	0.113														
							7	17.54	7.91	9.78	0.119														
							8	17.54	7.90	9.74	0.123														
							8.2	17.53	7.90	9.75	0.120														
Logan Martin	2	A	51497	1130	0.7	2.3	----	----	----	----	----	18.9	33.0	36.7	88.0	16.0	4.94	<0.015	0.14	<0.15	0.1	0.01	17.62	59	4*
							0.3	21.09	6.68	7.81	0.083														

Reservoir Water Quality Monitoring Program
Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							1	21.10	6.80	7.83	0.083														
							1.5	21.17	6.86	7.82	0.083														
							2	21.12	6.87	7.81	0.083														
							3	21.07	6.88	7.80	0.084														
							4	20.79	6.84	7.40	0.083														
							5	20.79	6.84	7.37	0.083														
							6	20.79	6.85	7.35	0.083														
							7	20.79	6.85	7.36	0.083														
							8	20.79	6.85	7.35	0.083														
							9	20.79	6.86	7.33	0.083														
							10	20.79	6.86	7.33	0.083														
							10.5	20.79	6.86	7.33	0.083														
Logan Martin	2	A	61897	111531	0.5	1.15	----	----	----	----	----	36.1	42.0	44.5	62.0	24.0	2.65	<0.015	0.18	<0.150	0.03	0.017	17.10	58	230
							0.3	23.25	6.47	6.94	0.102														
							1	23.25	6.68	6.93	0.102														
							1.5	23.18	6.71	6.94	0.102														
							2	23.20	6.74	6.92	0.102														
							3	23.17	6.77	6.93	0.102														
							4	23.14	6.77	6.91	0.102														
							5	23.14	6.78	6.91	0.102														
							6	23.14	6.79	6.89	0.102														
							7	23.14	6.79	6.89	0.102														
							8	23.14	6.79	6.89	0.102														
							9	23.14	6.79	6.89	0.102														
							10	23.14	6.79	6.89	0.102														
							11	23.14	6.80	6.88	0.102														
							11.8	23.14	6.80	6.87	0.102														
Logan Martin	2	A	72397	151635	0.7	2.06	----	----	----	----	----	12.7	56.0	54.2	68.0	12.0	1.25	<0.015	0.08	<0.15	0.07	0.003	33.10	65	<1
							0.3	31.24	8.37	8.41	0.132														
							1.5	30.28	7.76	6.28	0.134														
							2	29.96	7.54	5.75	0.135														
							3	29.92	7.50	5.63	0.135														
							4	29.88	7.46	5.47	0.135														
							5	29.80	7.38	5.03	0.135														
							6	29.80	7.37	4.98	0.135														
							7	29.74	7.35	4.91	0.135														
							8	29.72	7.35	4.90	0.134														
							9	29.72	7.35	4.87	0.135														
							10	29.72	7.34	4.87	0.135														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							11	29.72	7.34	4.85	0.135														
Logan Martin	2	A	81297	115057	0.6	1.96	----	----	----	----	----	14.1	59.0	59.5	68.0	11.0	1.66	<0.015	0.06	0.42	0.05	0.002	41.10	67	3*
							0.3	28.76	8.04	8.72	0.135														
							1	27.73	7.83	7.2	0.136														
							1.5	27.61	7.64	6.45	0.136														
							2	27.57	7.55	6.03	0.136														
							3	27.55	7.5	5.95	0.136														
							4	27.53	7.47	5.91	0.136														
							5	27.53	7.45	5.93	0.136														
							6	27.53	7.45	5.87	0.136														
							7	27.5	7.44	5.82	0.136														
							8	27.5	7.43	5.83	0.135														
							9	27.48	7.43	5.81	0.135														
							10	27.48	7.43	5.77	0.136														
							11	27.48	7.42	5.74	0.136														
							11.3	27.46	7.42	5.7	0.137														
Logan Martin	2	A	91697	113410	0.6	1.9	----	----	----	----	----	14.2	75.0	68.0	107.0	10.0	1.18	<0.015	<0.003	<0.15	0.03	0.002	38.40	66	1*
							0.3	27.67	8.18	8.09	0.179														
							1	26.98	7.72	6.33	0.18														
							1.5	26.92	7.6	6.04	0.18														
							2	26.91	7.56	5.92	0.18														
							3	26.89	7.55	5.86	0.18														
							4	26.83	7.53	5.82	0.18														
							5	26.81	7.53	5.81	0.18														
							6	26.75	7.51	5.74	0.18														
							7	26.73	7.5	5.69	0.18														
							8	26.73	7.49	5.63	0.18														
							9	26.72	7.48	5.54	0.18														
							9.1	26.72	7.48	5.51	0.181														
Logan Martin	2	A	102297	122623	0.6	1.71	----	----	----	----	----	18.2	66.0	64.2	95.0	15.0	3.36	<0.015	0.07	0.87	0.04	0.001	32.04	65	6*
							0.3	20.37	7.54	8.29	0.161														
							1	20.32	7.59	8.27	0.161														
							1.5	20.3	7.62	8.21	0.161														
							2	20.29	7.64	8.1	0.161														
							3	20.11	7.58	7.94	0.161														
							4	20.09	7.57	7.9	0.161														
							5	20.04	7.56	7.84	0.161														
							6	19.99	7.52	7.63	0.161														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							7	19.97	7.51	7.6	0.161														
							8	19.96	7.5	7.59	0.161														
							9	19.97	7.5	7.57	0.161														
							9.7	19.97	7.52	7.56	0.161														
Neely Henry	1	A	41697	150710	0.5	2.22	----	----	----	----	----	10.7	51.0	37.4	79.0	12.0	4.88	<0.015	0.04	<0.15	0.1	0.007	37.38	66	2*
							0.1	20.47	8.78	13.33	0.115														
							1	19.54	8.80	13.39	0.116														
							1.5	17.41	8.33	10.58	0.118														
							2	17.18	8.12	10.07	0.119														
							3	17.06	8.04	9.97	0.116														
							4	17.01	7.93	9.74	0.117														
							5	17.08	8.05	10.18	0.123														
							6	17.06	7.98	9.91	0.114														
							7	16.94	7.88	9.56	0.114														
							8	16.92	7.89	9.72	0.114														
							9	16.89	7.90	9.72	0.124														
							10	16.89	7.89	9.67	0.115														
							11	16.86	7.87	9.63	0.118														
							12	16.86	7.86	9.59	0.114														
							12.6	16.86	7.85	9.58	0.116														
Neely Henry	1	A	51497	1420	0.5	2.32	----	----	----	----	----	19.7	36.0	37.7	102.0	16.0	4.58	<0.015	0.12	0.58	0.08	0.007	20.30	60	5*
							0.2	21.58	7.04	9.45	0.085														
							1	21.42	7.07	9.19	0.085														
							1.5	21.49	7.12	9.04	0.085														
							2	21.37	7.11	8.90	0.085														
							3	20.93	7.06	8.65	0.086														
							4	20.76	6.97	8.02	0.086														
							5	20.76	6.94	7.97	0.086														
							6	20.67	6.93	7.86	0.086														
							7	20.65	6.92	7.82	0.086														

Reservoir Water Quality Monitoring Program
Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							8	20.65	6.92	7.82	0.086														
							9	20.65	6.92	7.82	0.086														
							10	20.65	6.92	7.81	0.086														
							11	20.65	6.92	7.79	0.086														
							12	20.65	6.92	7.79	0.086														
Neely Henry	1	A	61897	135137	0.4	1.66	----	----	----	----	----	30.8	43.0	43.4	70.0	21.0	1.44	0.02	0.15	0.21	0.03	0.013	18.20	59	200
							0.2	23.52	6.87	7.03	0.103														
							1	23.16	6.86	6.77	0.102														
							1.5	23.16	6.86	6.78	0.102														
							2	23.27	6.88	6.81	0.102														
							3	23.09	6.87	6.70	0.102														
							4	23.02	6.85	6.55	0.102														
							5	22.87	6.84	6.49	0.102														
							6	22.87	6.83	6.42	0.102														
							7	22.87	6.83	6.42	0.101														
							8	22.86	6.82	6.39	0.101														
							9	22.82	6.81	6.36	0.100														
							10	22.80	6.80	6.35	0.098														
							11	22.80	6.80	6.34	0.098														
							12	22.80	6.79	6.33	0.098														
							13	22.80	6.79	6.31	0.098														
							14	22.80	6.79	6.32	0.098														
							14.7	22.80	6.79	6.31	0.098														
Neely Henry	1	A	72497	73213	0.9	2.21	----	----	----	----	----	10.1	57.0	53.1	144.0	9.0	1.39	<0.015	0.08	<0.15	0.07	0.007	31.50	64	3*
							0.2	29.98	7.56	5.80	0.130														
							1	30.00	7.55	5.76	0.130														
							1.5	30.00	7.53	5.64	0.130														
							2	30.00	7.53	5.62	0.130														
							3	29.98	7.47	5.33	0.130														
							4	29.84	7.37	4.64	0.131														
							5	29.84	7.34	4.53	0.131														
							6	29.80	7.34	4.49	0.131														
							7	29.80	7.32	4.40	0.131														
							8	29.76	7.31	4.34	0.131														
							9	29.76	7.30	4.24	0.131														
							9.4	29.68	7.30	4.20	0.131														
Neely Henry	1	A	81297	143120	0.8	2.31	----	----	----	----	----	11.2	57.0	57.2	25.0	9.0	1.65	<0.015	0.10	1.56	0.05	0.004	60.30	71	5*
							0.2	28.38	8.78	10.94	0.132														

Reservoir Water Quality Monitoring Program
Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							1	28.35	8.79	10.95	0.132														
							1.5	28.23	8.79	10.8	0.134														
							2	28.21	8.76	10.59	0.134														
							3	27.32	8.17	8.33	0.135														
							4	27.04	7.73	6.57	0.136														
							5	27.09	7.66	6.39	0.135														
							6	27.02	7.58	6.27	0.136														
							7	27.02	7.56	6.22	0.136														
							8	27	7.53	6.09	0.136														
							9	27.04	7.55	6.15	0.136														
							10	27	7.54	6.16	0.136														
							11	27	7.53	6.09	0.136														
							11.9	27	7.53	6.08	0.136														
Neely Henry	1	A	91697	140259	0.9	2	----	----	----	----	----	12.0	67.0	64.6	100.0	8.0	1.44	<0.015	<0.003	0.35	0.07	0.004	44.30	68	<1
							0.2	28.87	8.61	9.84	0.177														
							1	26.81	8.06	7.31	0.18														
							1.5	26.72	7.82	6.53	0.18														
							2	26.7	7.78	6.39	0.18														
							3	26.66	7.7	6.14	0.181														
							4	26.64	7.68	5.99	0.181														
							5	26.62	7.66	5.96	0.182														
							6	26.6	7.65	5.93	0.182														
							7	26.6	7.65	5.9	0.182														
							8	26.6	7.64	5.85	0.182														
							9	26.6	7.62	5.77	0.182														
							10	26.6	7.62	5.76	0.182														
							11	26.6	7.61	5.73	0.182														
							12	26.6	7.61	5.72	0.182														
							12.9	26.6	7.61	5.7	0.182														
Neely Henry	1	A	102297	150037	0.8	1.72	----	----	----	----	----	16.1	63.0	62.7	98.0	14.0	4.11	<0.015	0.05	0.26	0.04	0.003	28.3	63	2*
							0.1	19.93	7.65	8.55	0.156														
							1	19.95	7.72	8.45	0.157														

Reservoir Water Quality Monitoring Program
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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							1.5	19.97	7.78	8.59	0.156														
							2	19.84	7.74	8.33	0.157														
							3	19.78	7.69	8.12	0.157														
							4	19.73	7.65	8.01	0.157														
							6	19.7	7.62	7.91	0.157														
							7	19.7	7.62	7.89	0.157														
							8	19.63	7.57	7.66	0.158														
							9	19.6	7.55	7.61	0.158														
							10	19.59	7.55	7.59	0.158														
							11	19.56	7.52	7.43	0.158														
Neely Henry	3	A	41697	161557	0.5	1.88	----	----	----	----	----	15.5	49.0	45.4	60.0	16.0	4.32	<0.015	0.11	<0.15	0.11	0.013	33.64	65	74
							0.1	18.79	8.30	11.36	0.113														
							1	17.78	8.16	10.73	0.113														
							1.5	17.55	7.95	10.19	0.114														
							2	17.57	7.95	10.24	0.114														
							3	17.60	7.96	10.21	0.114														
							4	17.47	7.86	9.97	0.117														
							5	17.26	7.80	9.81	0.118														
							6	17.29	7.77	9.66	0.115														
							7	17.21	7.73	9.60	0.112														
							8	17.22	7.72	9.58	0.114														
							9	17.19	7.72	9.57	0.114														
							10	17.19	7.71	9.53	0.111														
							11	17.26	7.72	9.58	0.113														
							12	17.26	7.72	9.58	0.110														
							13	17.27	7.73	9.57	0.116														
							13.5	17.29	7.72	9.55	0.122														
Neely Henry	3	A	51497	1556	0.6	1.79	----	----	----	----	----	29.0	34.0	35.9	115.0	20.0	4.93	<0.015	0.13	<0.15	0.12	0.006	19.20	60	13*
							0.2	21.14	6.99	8.48	0.083														
							1	21.40	7.10	8.60	0.083														
							1.5	21.47	7.17	8.88	0.083														
							2	21.44	7.19	8.84	0.083														
							3	21.14	7.07	8.42	0.082														
							4	21.24	7.07	8.46	0.082														
							5	21.19	7.09	8.52	0.083														
							6	20.88	7.00	8.00	0.082														
							7	21.10	7.02	8.11	0.082														
							8	20.84	6.99	8.02	0.082														
							9	20.56	6.95	7.84	0.083														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							10	20.55	6.94	7.77	0.083														
Neely Henry	3	A	61897	151016	0.4	1.64	----	----	----	----	----	34.9	42.0	43.4	62.0	23.0	1.06	<0.015	0.14	0.32	0.02	0.018	14.00	56	>880
							0.2	23.45	6.87	7.32	0.104														
							1	22.95	6.88	6.91	0.106														
							1.5	22.95	6.89	6.85	0.106														
							2	22.93	6.90	6.81	0.106														
							3	22.98	6.91	6.78	0.106														
							4	23.00	6.92	6.77	0.106														
							5	22.95	6.92	6.73	0.106														
							6	22.95	6.92	6.73	0.106														
							7	23.02	6.93	6.73	0.105														
							8	22.96	6.93	6.73	0.106														
							9	22.95	6.93	6.69	0.106														
							10	22.95	6.93	6.68	0.106														
							11	22.95	6.93	6.68	0.106														
							12	22.96	6.93	6.68	0.106														
							13	22.96	6.93	6.68	0.105														
							13.5	22.96	6.93	6.65	0.105														
Neely Henry	3	A	72497	82931	0.9	1.82	----	----	----	----	----	14.5	57.0	55.1	59.0	14.0	1.41	<0.015	0.10	<0.15	0.08	0.006	34.70	65	33*
							0.2	29.98	7.38	5.95	0.134														
							1	29.94	7.52	5.86	0.135														
							1.5	29.92	7.52	5.70	0.136														
							2	29.94	7.50	5.59	0.136														
							3	29.92	7.50	5.51	0.136														
							4	29.94	7.50	5.49	0.136														
							5	29.90	7.49	5.48	0.136														
							6	29.86	7.48	5.39	0.136														
							7	29.88	7.49	5.43	0.136														
							8	29.84	7.49	5.45	0.136														
							9	29.84	7.49	5.45	0.136														
							10	29.84	7.49	5.45	0.136														
							11	29.80	7.50	5.47	0.136														
							12.1	29.78	7.50	5.47	0.136														

Reservoir Water Quality Monitoring Program
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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
Neely Henry	3	A	81297	152845	0.7	1.87	----	----	----	----	----	13.6	61.0	59.7	67.0	11.0	1.73	<0.015	0.06	0.89	0.09	0.005	56.60	70	16*
							0.2	29.23	8.94	12.77	0.145														
							1	27.13	8.24	8.74	0.148														
							1.5	27.21	8.13	7.93	0.145														
							2	27.4	8.31	7.64	0.145														
							3	26.87	7.77	6.83	0.15														
							4	26.98	7.85	7.2	0.149														
							5	26.98	7.96	7.9	0.149														
							6	26.96	7.86	7.38	0.149														
							7	26.98	8.04	7.72	0.149														
							8	26.92	7.77	6.73	0.149														
							9	26.68	7.54	6	0.151														
							10	26.7	7.49	5.9	0.152														
							11	26.68	7.49	5.92	0.152														
							12	26.7	7.5	5.95	0.152														
							13	26.7	7.5	5.95	0.152														
							13.9	26.68	7.49	5.96	0.152														
Neely Henry	3	A	91697	145704	0.8	1.72	----	----	----	----	----	13.8	67.0	64.1	104.0	14.0	1.51	<0.015	<0.003	<0.015	0.11	<0.004	52.3	69	14*
							0.2	30.38	8.77	11.22	0.177														
							1	27.78	8.67	10.42	0.178														
							1.5	27.48	8.61	9.41	0.179														
							2	26.92	8.01	7.56	0.18														
							3	26.89	7.9	7.16	0.18														
							4	26.85	7.82	6.82	0.18														
							5	26.85	7.79	6.73	0.181														
							6	26.72	7.59	6.02	0.182														
							7	26.72	7.59	6	0.181														
							8	26.72	7.57	5.94	0.182														
							9	26.72	7.58	5.93	0.182														
							10	26.72	7.58	5.95	0.182														
							11	26.72	7.59	6.01	0.181														
							12	26.72	7.59	5.96	0.181														
							13	26.73	7.6	6.01	0.181														
							13.5	26.73	7.61	6.01	0.181														
Neely Henry	3	A	102297	155223	0.8	1.92	----	----	----	----	----	15.8	59.0	59.2	92.0	16.0	3.88	<0.015	0.07	<0.15	0.06	0.009	23.5	62	100
							0.3	19.96	7.37	7.7	0.152														
							1	19.94	7.41	7.62	0.153														
							1.5	19.91	7.45	7.58	0.153														
							2	19.94	7.48	7.51	0.153														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							3	19.92	7.48	7.48	0.153														
							4	19.78	7.45	7.21	0.154														
							5	19.75	7.43	7.13	0.154														
							6	19.71	7.41	7.06	0.154														
							7	19.71	7.41	7.05	0.153														
							8	19.7	7.4	6.99	0.154														
							9	19.69	7.39	6.98	0.154														
							10	19.66	7.39	6.95	0.154														
							11	19.66	7.39	6.89	0.154														
							12	19.66	7.38	6.88	0.154														
							13	19.66	7.38	6.85	0.154														
							13.5	19.66	7.38	6.84	0.154														
Neely Henry	4	A	41697	170045	0.5	----	----	----	----	----	----	14.1	51.0	47.2	65.0	12.0	3.99	<0.015	0.14	<0.15	0.1	0.014	27.23	63	25
							0.1	17.67	7.82	10.46	0.120														
							1	17.41	7.79	10.16	0.119														
							1.5	17.41	7.78	10.13	0.119														
							2	17.36	7.76	9.85	0.118														
							3	17.36	7.76	9.82	0.118														
							4	17.39	7.77	9.85	0.118														
							5	17.36	7.76	9.82	0.118														
							6	17.36	7.77	9.81	0.118														
							7	17.39	7.77	9.82	0.119														
							8	17.39	7.78	9.85	0.118														
							9	17.41	7.78	9.81	0.118														
							10	17.40	7.79	9.85	0.120														
							11	17.43	7.80	9.84	0.120														
							10.9	17.43	7.79	9.82	0.119														
Neely Henry	4	A	51497	1556	0.6	1.97	----	----	----	----	----	20.0	37.0	39.6	117.0	13.0	4.50	<0.015	0.18	0.21	0.12	0.014	16.60	58	71*
							0	21.00	6.93	8.10	0.085														
							1	21.16	6.94	8.11	0.087														
							1	20.91	6.94	8.10	0.085														
							1.5	21.00	6.94	8.07	0.085														
							2	20.93	6.93	8.01	0.085														
							3	20.93	6.94	8.02	0.085														
							4	20.91	6.93	7.95	0.085														
							5	20.81	6.92	7.91	0.087														
							6	20.81	6.92	7.87	0.085														
							7	20.88	6.93	7.87	0.085														
							8	20.93	6.94	7.93	0.085														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							9	20.82	6.93	7.87	0.086														
							10	20.86	6.94	7.90	0.085														
							11	20.81	6.94	7.88	0.086														
							11.2	20.86	6.95	7.90	0.086														
Neely Henry	4	A	61897	162320	0.4	1.41	----	----	----	----	----	38.2	45.0	43.8	61.0	32.0	0.91	<0.015	0.14	0.35	0.02	0.015	14.00	56	450
							0.2	23.25	6.96	6.81	0.111														
							1	23.27	6.97	6.81	0.111														
							1.5	23.27	6.99	6.77	0.111														
							2	23.25	6.99	6.77	0.111														
							3	23.25	6.99	6.76	0.110														
							4	23.25	6.99	6.76	0.111														
							5	23.25	7.00	6.75	0.111														
							6	23.25	7.00	6.74	0.110														
							7	23.25	7.00	6.74	0.110														
							8	23.25	7.01	6.73	0.110														
							9	23.27	7.01	6.73	0.110														
							10	23.27	7.00	6.73	0.110														
Neely Henry	4	A	72497	90229	0.9	2.19	----	----	----	----	----	12.0	59.0	55.1	62.0	10.0	1.36	<0.015	0.09	<0.15	0.063	0.007	36.80	66	26
							0.2	30.04	7.47	6.09	0.136														
							1	30.02	7.55	5.90	0.136														
							1.5	29.98	7.54	5.70	0.136														
							2	29.98	7.53	5.58	0.137														
							3	29.98	7.51	5.50	0.137														
							4	29.96	7.49	5.43	0.137														
							5	29.94	7.49	5.38	0.138														
							6	29.92	7.49	5.34	0.138														
							7	29.90	7.49	5.37	0.138														
							8	29.88	7.49	5.35	0.138														
							91	29.88	7.48	5.28	0.139														
							10	29.84	7.47	5.24	0.139														
							11	29.84	7.47	5.25	0.139														
							12.1	29.82	7.48	5.28	0.138														
Neely Henry	4	A	81297	160742	0.8	2.05	----	----	----	----	----	12.0	58.0	55.5	74.0	8.0	4.25	<0.015	0.05	0.76	0.06	0.006	45.90	68	29
							0.2	29.41	8.75	10.98	0.135														
							1	28.38	8.65	10.42	0.136														
							1.5	28.36	8.67	10.42	0.134														
							2	28.15	8.64	10.2	0.134														
							3	27.09	7.98	8.25	0.137														

Reservoir Water Quality Monitoring Program
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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							4	26.98	7.43	5.41	0.137														
							5	26.94	7.39	5.31	0.137														
							6	26.94	7.38	5.3	0.137														
							7	26.94	7.37	5.27	0.137														
							8	26.94	7.36	5.26	0.137														
							9	26.94	7.36	5.27	0.137														
							10	26.94	7.37	5.31	0.137														
							11	26.96	7.37	5.3	0.137														
							12	26.96	7.37	5.31	0.137														
							12.4	26.96	7.37	5.33	0.137														
Neely Henry	4	A	91697	153623	0.8	2.1	----	----	----	----	----	11.1	66.0	63.0	108.0	9.0	1.26	<0.015	0.02	0.66	0.08	0.007	40.60	67	14*
							0.1	28.83	8.49	9.4	0.176														
							1	28.36	8.33	8.74	0.179														
							1.5	28.09	8.22	7.72	0.18														
							2	27.57	8.01	7.63	0.179														
							3	26.94	7.58	5.03	0.182														
							4	26.72	7.38	5.02	0.183														
							5	26.7	7.36	4.9	0.184														
							6	26.72	7.36	4.88	0.184														
							7	26.72	7.36	4.93	0.184														
							8	26.7	7.36	4.89	0.184														
							9	26.73	7.36	4.92	0.183														
							10	26.73	7.37	4.93	0.184														
							11	26.73	7.36	4.9	0.183														
							11.5	26.72	7.36	4.87	0.183														
Neely Henry	4	A	102297	162724	0.9	1.72	----	----	----	----	----	16.6	60.0	57.2	93.0	11.0	3.77	<0.015	0.06	0.46	0.06	0.012	19.22	60	67
							0.2	19.7	7.35	7.48	0.149														
							1	19.7	7.37	7.18	0.15														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							1.5	19.71	7.39	7.24	0.149														
							2	19.7	7.41	7.26	0.149														
							3	19.71	7.38	7.14	0.15														
							4	19.7	7.36	6.97	0.149														
							5	19.7	7.36	6.96	0.15														
							6	19.7	7.37	6.98	0.149														
							7	19.7	7.36	6.95	0.15														
							8	19.66	7.36	6.89	0.151														
							9	19.68	7.35	6.84	0.15														
							10	19.68	7.35	6.82	0.15														
							11	19.66	7.35	6.79	0.15														
							12	19.66	7.35	6.8	0.151														
							12.2	19.66	7.35	6.8	0.151														
Neely Henry	2	A	41697	174811	0.5	1.52	----	----	----	----	----	16.7	45.0	43.9	68.0	17.0	3.92	<0.015	0.12	<0.15	0.09	0.009	28.30	63	5*
							0.1	17.58	7.54	10.44	0.108														
							1	17.58	7.57	10.33	0.108														
							1.5	17.58	7.60	10.29	0.108														
							2	17.58	7.61	10.20	0.108														
							3	17.58	7.62	10.11	0.109														
							4	17.58	7.63	9.98	0.108														
							5	17.58	7.65	9.76	0.113														
							6	17.56	7.65	9.74	0.104														
							7	17.58	7.65	9.72	0.114														
							7.8	17.58	7.65	9.70	0.113														
Neely Henry	2	A	51497	1630	0.6	1.72	----	----	----	----	----	21.1	34.0	33.8	104.0	19.0	4.41	<0.015	0.11	<0.15	0.1	<0.004	15.00	57	6*
							0.2	20.77	6.92	8.21	0.079														
							1	20.77	6.95	8.20	0.079														
							1.5	20.77	6.95	8.19	0.079														
							2	20.77	6.96	8.15	0.079														
							3	20.74	6.97	8.11	0.079														
							4	20.76	6.97	8.11	0.079														
							5	20.77	6.98	8.10	0.079														
							6	20.74	6.97	8.10	0.079														
							7	20.74	6.98	8.09	0.079														
							8	20.72	6.98	8.09	0.079														
Neely Henry	2	A	61897	171344	0.4	1.19	----	----	----	----	----	31.1	45.0	45.5	27.0	25.0	1.04	0.05	0.10	<0.15	0.02	0.01	17.40	59	350
							0.3	23.77	7.00	6.78	0.111														
							1	23.77	7.04	6.76	0.112														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							1.5	23.77	7.05	6.75	0.112														
							2	23.77	7.05	6.75	0.113														
							3	23.77	7.06	6.73	0.113														
							4	23.77	7.06	6.71	0.113														
							5	23.77	7.06	6.69	0.112														
							6	23.77	7.07	6.66	0.112														
							7	23.77	7.07	6.48	0.112														
							8	23.77	7.07	6.51	0.112														
							8.9	23.77	7.07	6.15	0.112														
Neely Henry	2	A	72497	93552	0.9	2.38	----	----	----	----	----	10.6	57.0	49.9	53.0	9.0	0.69	<0.015	0.08	0.67	0.07	0.006	32.00	65	20
							0.2	29.92	7.44	5.67	0.129														
							1	29.84	7.48	5.36	0.130														
							1.5	29.80	7.43	4.82	0.131														
							2	29.80	7.42	4.78	0.131														
							3	29.80	7.41	4.71	0.130														
							4	29.80	7.40	4.69	0.131														
							5	29.80	7.40	4.65	0.131														
							6	29.78	7.41	4.68	0.131														
							7	29.78	7.40	4.63	0.131														
							8.1	29.74	7.41	4.81	0.131														
Neely Henry	2	A	81297	164947	0.7	2.14	----	----	----	----	----	15.1	55.0	53.2	57.0	13.0	1.22	<0.015	0.11	0.81	0.08	0.01	29.90	64	7*
							0.2	29.94	8.66	10.1	0.128														
							1	27.86	7.96	7.66	0.129														
							1.5	28.33	8.1	7.25	0.129														
							2	27.38	7.57	6.47	0.13														
							3	27.17	7.46	6.15	0.129														
							4	27.11	7.44	6.01	0.129														
							5	27.11	7.44	6.02	0.129														
							6	27.04	7.43	6.01	0.129														
							7	27.02	7.42	5.98	0.129														
							8	27.02	7.42	5.94	0.129														
							8.2	27.02	7.42	5.94	0.129														
Neely Henry	2	A	91697	161506	0.8	2.01	----	----	----	----	----	10.7	66.0	59.7	100.0	10.0	1.05	<0.015	0.00	<0.15	0.13	<0.004	45.40	68	2*
							0.1	28.5	8.63	10.08	0.169														
							1	27.55	8.53	9.03	0.17														
							1.5	26.83	8.1	7.15	0.171														
							2	26.55	7.63	6.1	0.171														
							3	26.49	7.5	5.79	0.172														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							4	26.49	7.49	5.65	0.172														
							5	26.47	7.48	5.54	0.172														
							6	26.47	7.47	5.58	0.172														
							7	26.45	7.46	5.48	0.172														
							7.9	26.45	7.44	5.43	0.173														
Neely Henry	2	A	102297	170205	0.8	1.86	----	----	----	----	----	16.4	59.0	57.4	88.0	16.0	3.67	<0.015	0.05	0.57	0.05	0.009	19.22	60	6*
							0.2	19.54	7.23	7.33	0.146														
							1	19.51	7.29	7.26	0.147														
							1.5	19.53	7.32	7.2	0.147														
							2	19.51	7.34	7.17	0.147														
							3	19.49	7.35	7.16	0.147														
							4	19.49	7.36	7.14	0.147														
							5	19.49	7.37	7.13	0.147														
							6	19.49	7.37	7.13	0.147														
							7	19.49	7.37	7.13	0.147														
							7.2	19.49	7.38	7.12	0.147														
Weiss	1	A	41797	83249	0.5	1.47	----	----	----	----	----	16.5	47.0	42.6	97.0	16.0	3.76	<0.015	0.05	<0.15	0.14	0.008	27.77	63	7*
							0.2	17.16	7.71	10.72	0.107														
							1	17.18	7.93	10.71	0.107														
							1.5	17.19	7.97	10.69	0.107														
							2	17.19	8.02	10.67	0.108														
							3	17.21	8.04	10.59	0.109														
							4	17.18	8.05	10.56	0.111														
							5	17.19	8.06	10.54	0.107														
							6	17.18	8.05	10.51	0.111														
							7	17.16	8.05	10.46	0.105														
							8	17.13	8.04	10.39	0.111														
							9	17.14	8.04	10.35	0.117														
							10	17.11	8.04	10.31	0.120														
							11	17.09	8.01	10.18	0.103														
							11.5	17.08	7.98	10.10	0.102														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
Weiss	1	A	51597	725	0.6	1.63	----	----	----	----	----	21.8	34.0	35.0	98.0	18.0	3.11	<0.015	0.11	<0.15	0.1	<0.004	14.40	57	4*
							0.2	20.25	6.80	7.82	0.082														
							1	20.25	6.83	7.80	0.082														
							1.5	20.26	6.84	7.79	0.082														
							2	20.25	6.85	7.78	0.082														
							3	20.26	6.86	7.79	0.082														
							4	20.26	6.86	7.80	0.082														
							5	20.26	6.87	7.80	0.082														
							6	20.24	6.80	7.76	0.082														
							7	20.24	6.83	7.80	0.082														
							8	20.23	6.86	7.81	0.082														
							9	20.24	6.88	7.77	0.082														
							10	20.25	6.86	7.61	0.082														
							11	20.26	6.86	7.53	0.082														
Weiss	1	A	61997	82953	0.6	2.03	----	----	----	----	----	18.1	50.0	48.9	151.0	14.0	1.08	0.02	0.14	0.35	0.01	0.009	22.40	61	3*
							0.1	24.08	7.19	7.22	0.121														
							1	23.99	7.17	7.19	0.121														
							1.5	23.97	7.16	7.17	0.121														
							2	23.94	7.17	7.15	0.121														
							3	23.92	7.15	7.01	0.121														
							4	23.90	7.13	6.95	0.122														
							5	23.90	7.13	6.93	0.121														
							6	23.88	7.12	6.91	0.121														
							7	23.88	7.12	6.88	0.121														
							8	23.88	7.12	6.87	0.121														
							9	23.88	7.12	6.84	0.121														
							10	23.89	7.12	6.83	0.121														
							10.9	23.88	7.11	6.77	0.122														
Weiss	1	A	72497	123635	0.9	1.97	----	----	----	----	----	9.8	57.0	49.2	55.0	10.0	1.08	<0.015	0.07	1.00	0.08	0.007	55.00	70	12*
							0.2	31.73	8.78	9.22	0.130														
							1	30.22	8.81	9.25	0.131														
							1.5	29.96	8.67	8.37	0.131														
							2	29.84	8.48	7.51	0.131														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							3	29.74	8.09	6.28	0.131														
							4	29.64	7.88	5.74	0.131														
							5	29.60	7.75	5.29	0.131														
							6	29.39	7.61	4.65	0.131														
							7	29.33	7.52	4.27	0.132														
							8	29.11	7.42	3.76	0.131														
							9	29.09	7.39	3.74	0.132														
							10	29.05	7.37	3.53	0.132														
							11	28.99	7.29	2.43	0.135														
							11.2	28.95	7.27	2.19	0.137														
Weiss	1	A	81397	81700	0.9	2.2	----	----	----	----	----	11.0	53.0	50.2	35.0	9.0	4.17	<0.015	0.06	0.99	0.06	0.006	37.40	66	10*
							0.2	26.89	8.04	7.52	0.129														
							1	26.91	8.09	7.51	0.129														
							1.5	26.87	8.07	7.3	0.13														
							2	26.85	8.03	7.18	0.129														
							3	26.7	7.8	6.22	0.129														
							4	26.66	7.67	6.01	0.129														
							5	26.51	7.53	5.44	0.13														
							6	26.49	7.48	5.19	0.13														
							7	26.34	7.39	4.78	0.131														
							8	26.23	7.33	4.19	0.132														
							9	26.15	7.26	3.44	0.132														
							10	26.02	7.21	2.77	0.134														
							11	25.93	7.15	1.78	0.136														
							11.2	25.91	7.14	1.65	0.137														
Weiss	1	A	91797	81256	0.9	2.04	----	----	----	----	----	9.2	63.0	59.2	106.0	1.0	0.97	<0.015	<0.003	<0.15	0.1	0.002	33.10	65	4*
							0.2	26.51	8.47	8.19	0.156														
							1	26.53	8.46	8.19	0.156														
							1.5	26.49	8.42	7.78	0.156														
							2	26.39	7.93	6.31	0.158														
							3	26.28	7.71	5.72	0.158														
							4	26.2	7.64	5.55	0.158														
							5	26.09	7.67	5.71	0.158														
							6	26.03	7.71	5.76	0.158														
							7	25.95	7.58	5.11	0.158														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							8	25.9	7.51	4.87	0.158														
							9	25.8	7.32	3.6	0.159														
							10	25.77	7.26	3.34	0.159														
							10.7	25.74	7.24	2.88	0.161														
Weiss	1	A	102397	81746	0.9	1.86	----	----	----	----	----	14.5	58.0	56.1	94.0	13.0	3.84	<0.015	0.04	0.3	0.05	0.007	25.63	62	<1
							0.2	18.17	7.29	7.89	0.152														
							1	18.19	7.36	7.87	0.152														
							1.5	18.19	7.41	7.84	0.152														
							2	18.19	7.42	7.83	0.152														
							3	18.17	7.45	7.87	0.152														
							4	18.19	7.45	7.83	0.153														
							5	18.17	7.47	7.8	0.153														
							6	18.17	7.47	7.8	0.153														
							7	18.17	7.47	7.78	0.154														
							8	18.12	7.48	7.82	0.154														
							9	18.12	7.49	7.83	0.153														
							10	18.11	7.5	7.84	0.154														
							10.3	18.09	7.5	7.84	0.153														
Weiss	2	A	41797	94152	0.5	1.74	----	----	----	----	----	15.2	43.0	39.9	85.0	11.0	3.42	<0.015	0.12	<0.15	0.1	0.014	25.63	62	7*
							0.1	16.24	7.70	11.70	0.100														
							1	16.10	7.68	11.27	0.100														
							1.5	16.02	7.69	11.07	0.100														
							2	16.05	7.63	10.77	0.101														
							3	15.92	7.56	10.50	0.100														
							4	15.83	7.52	10.33	0.101														
							5	15.78	7.51	10.25	0.101														
							6	15.70	7.48	10.03	0.101														
							7	15.65	7.43	9.79	0.101														
							8	15.42	7.36	9.48	0.100														
							9	15.38	7.27	9.17	0.101														
							10	15.35	7.24	9.12	0.101														
							11	15.38	7.23	9.08	0.101														
							11.3	15.36	7.23	9.09	0.101														
Weiss	2	A	51597	725	0.5	1.66	----	----	----	----	----	18.6	36.0	36.3	114.0	14.0	1.89	<0.015	0.17	0.53	0.15	<0.004	16.00	58	7*
							0.3	19.98	7.02	8.83	0.089														
							1	19.95	7.09	8.78	0.089														
							1.5	19.92	7.10	8.78	0.089														
							2	19.89	7.10	8.73	0.089														

Reservoir Water Quality Monitoring Program
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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							3	19.87	7.10	8.67	0.090														
							4	19.85	7.10	8.60	0.090														
							5	19.85	7.10	8.54	0.090														
							6	19.84	7.10	8.53	0.090														
							7	19.67	7.11	8.48	0.092														
							8	19.50	7.03	8.08	0.092														
							9	19.10	6.96	7.70	0.091														
							10	18.41	6.85	6.99	0.091														
							11	18.37	6.80	6.79	0.091														
							11.4	18.36	6.78	6.77	0.091														
Weiss	2	A	61997	92924	0.5	1.41	----	----	----	----	----	22.0	53.0	56.8	106.0	14.0	1.69	<0.015	0.34	0.39	0.034	0.034	18.20	59	43
							0.1	24.91	7.01	7.44	0.132														
							1	23.88	6.91	6.56	0.132														
							1.5	23.85	6.90	6.44	0.132														
							2	23.79	6.88	6.33	0.132														
							3	23.78	6.88	6.30	0.131														
							4	23.63	6.85	6.10	0.130														
							5	23.54	6.82	5.96	0.130														
							6	23.52	6.82	5.86	0.128														
							7	23.50	6.81	5.82	0.128														
							8	23.45	6.79	5.53	0.126														
							9	23.27	6.76	5.18	0.125														
							10	22.82	6.69	4.05	0.124														
							11	22.27	6.61	3.26	0.124														
							11.4	22.28	6.60	3.23	0.124														
Weiss	2	A	72497	133143	0.8	1.72	----	----	----	----	----	16.8	53.0	51.6	60.0	16.0	0.67	<0.015	0.08	<0.15	0.08	0.017	43.30	68	1*
							0.2	29.96	8.50	8.29	0.130														
							1	29.62	8.44	7.67	0.130														
							1.5	29.19	8.15	6.95	0.130														
							2	29.03	7.93	6.54	0.131														
							3	28.97	7.67	5.68	0.131														
							4	28.95	7.64	5.56	0.131														
							5	28.85	7.57	5.45	0.131														
							6	28.74	7.63	5.88	0.130														
							7	28.64	7.69	6.07	0.129														
							8	28.58	7.72	6.24	0.129														
							9	28.40	7.58	5.58	0.129														
							10	28.21	7.36	4.39	0.130														
							11	28.17	7.28	3.91	0.130														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							11.6	28.17	7.27	3.87	0.131														
Weiss	2	A	81397	91153	0.9	2.29	----	----	----	----	----	9.9	53.0	49.9	13.0	9.0	3.75	<0.015	0.06	1.00	0.06	0.002	39.50	67	3*
							0.2	27.82	9.13	11.59	0.127														
							1	27.82	9.13	11.63	0.127														
							1.5	27.78	9.11	11.46	0.127														
							2	27.55	9.07	11.33	0.127														
							3	26.04	8.26	7.42	0.129														
							4	25.5	7.8	5.32	0.129														
							5	25.18	7.52	4.82	0.129														
							6	24.92	7.38	4.57	0.131														
							7	24.72	7.32	4.43	0.13														
							8	24.48	7.28	4.3	0.131														
							9	24.27	7.21	4.02	0.132														
							10	24.1	7.17	3.73	0.133														
							11	24.06	7.14	3.35	0.134														
							11.6	24.05	7.12	3.11	0.135														
Weiss	2	A	91797	90519	0.8	1.65	----	----	----	----	----	13.0	63.0	57	104.0	7.0	0.78	<0.015	<0.003	<0.15	0.17	0.007	30.4	64	2*
							0.2	26.33	8.53	8.83	0.158														
							1	26.28	8.45	8.29	0.159														
							1.5	26.12	8.16	7.34	0.16														
							2	26.06	7.92	6.73	0.159														
							3	25.91	7.64	5.88	0.16														
							4	25.82	7.48	5.39	0.161														
							5	25.81	7.41	5.16	0.16														
							6	25.75	7.39	5.09	0.161														
							7	25.66	7.37	5.05	0.16														
							8	25.59	7.35	4.88	0.16														
							9	25.5	7.34	4.7	0.16														
							10	25.46	7.25	3.84	0.161														
							10.8	25.45	7.23	3.64	0.163														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
Weiss	2	A	102397	91253	0.6	1.33	----	----	----	----	----	23.7	55.0	53.1	90.0	12.0	3	<0.015	0.21	0.2	0.07	0.03	24.56	62	3*
							0.2	17.76	7.22	8.6	0.146														
							1	17.77	7.36	8.57	0.147														
							1.5	17.76	7.41	8.49	0.147														
							2	17.77	7.42	8.48	0.147														
							3	17.74	7.44	8.47	0.147														
							4	17.73	7.45	8.44	0.148														
							5	17.7	7.46	8.47	0.147														
							6	17.61	7.51	8.58	0.147														
							7	17.6	7.52	8.58	0.146														
							8	17.56	7.54	8.61	0.147														
							9	17.4	7.52	8.53	0.148														
							10	16.89	7.52	8.52	0.148														
							10.5	16.84	7.52	8.51	0.147														
Weiss	3	A	41797	110848	0.7	1.9	----	----	----	----	----	14.4	56.0	50.5	106.0	11.0	2.98	<0.015	0.30	<0.15	0.1	0.034	6.94	50	26
							0.2	16.89	7.17	9.87	0.127														
							1	16.90	7.19	9.76	0.127														
							1.5	16.92	7.20	9.69	0.127														
							2	16.89	7.20	9.63	0.128														
							3	16.87	7.21	9.50	0.128														
							4	16.90	7.22	9.45	0.128														
							5	16.89	7.22	9.31	0.128														
							6	16.83	7.11	9.05	0.128														
							8	16.82	7.19	9.07	0.128														
							9.1	16.82	7.20	9.02	0.129														
Weiss	3	A	51597	935	0.5	1.64	----	----	----	----	----	18.0	39.0	38.4	117.0	16.0	1.59	<0.015	0.26	0.36	0.14	0.01	10.10	53	9*
							0.3	20.26	7.17	9.19	0.094														
							1	18.96	7.07	8.64	0.098														
							1	19.03	7.02	8.42	0.099														
							1.5	18.74	6.96	8.27	0.100														
							2	18.71	6.96	8.28	0.100														
							3	18.58	6.94	8.15	0.100														
							4	18.58	6.94	8.12	0.100														
							5	18.56	6.93	8.10	0.100														
							6	18.55	6.93	8.10	0.100														
							7	18.55	6.93	8.09	0.100														
							8	18.56	6.93	8.08	0.100														
							9	18.56	6.93	8.07	0.100														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
Weiss	3	A	61997	102325	0.3	1.05	----	----	----	----	----	52.3	38.0	41.8	148.0	32.0	1.74	0.03	0.37	0.29	0.08	0.058	0.53	24	570
							0.1	22.18	6.57	6.15	0.096														
							1	22.04	6.60	6.17	0.099														
							1.5	22.02	6.61	6.14	0.100														
							2	22.00	6.62	6.14	0.100														
							3	21.98	6.62	6.13	0.098														
							4	21.94	6.62	6.11	0.098														
							5	21.91	6.62	6.11	0.098														
							6	21.91	6.62	6.10	0.098														
							7	21.92	6.62	6.09	0.099														
							8	21.91	6.62	6.08	0.098														
							9	21.91	6.62	6.07	0.099														
							9.9	21.91	6.62	6.06	0.098														
Weiss	3	A	72497	142908	0.9	2.33	----	----	----	----	----	14.1	55.0	54.0	48.0	11.0	0.65	<0.015	0.37	<0.15	0.09	0.056	20.80	60	33*
							0.3	30.34	7.38	6.59	0.148														
							1	30.14	7.34	6.40	0.148														
							1.5	30.06	7.32	6.26	0.148														
							2	29.94	7.30	6.11	0.148														
							3	29.90	7.29	6.06	0.148														
							4	29.88	7.29	6.02	0.148														
							5	29.86	7.29	6.00	0.148														
							6	29.84	7.29	5.96	0.148														
							7	29.80	7.28	5.90	0.148														
							8	29.80	7.28	5.89	0.148														
							8.9	29.78	7.28	5.89	0.147														
Weiss	3	A	81397	100416	0.9	1.62	----	----	----	----	----	17.5	54.0	53.3	86.0	12.0	2.75	<0.015	0.30	0.51	0.1	0.052	13.40	56	41
							0.3	26.55	7.97	8.1	0.133														
							1	25.74	7.7	7.39	0.137														
							1.5	25.61	7.55	7.18	0.138														
							2	25.26	7.48	6.96	0.139														
							3	25.26	7.43	6.85	0.139														
							4	25.18	7.42	6.81	0.138														
							5	25.13	7.4	6.75	0.138														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							6	25.05	7.38	6.65	0.138														
							7	25.02	7.37	6.56	0.138														
							8	24.96	7.35	6.52	0.138														
							9	24.94	7.35	6.49	0.139														
							9.2	24.94	7.35	6.48	0.139														
Weiss	3	A	91797	95227	1.0	1.84	----	----	----	----	----	12.0	56.0	54.3	111.0	8.0	0.96	<0.015	0.19	<0.15	0.12	0.073	20.80	60	6*
							0.3	26.64	8.02	8.67	0.152														
							1	26.23	7.77	7.93	0.152														
							1.5	26.21	7.71	7.87	0.152														
							2	26.17	7.66	7.78	0.152														
							3	26	7.48	6.87	0.153														
							4	25.83	7.32	6.37	0.155														
							5	25.81	7.29	6.28	0.156														
							6	25.81	7.29	6.23	0.156														
							7	25.8	7.27	6.14	0.156														
							8	25.8	7.26	6.12	0.156														
							8.3	25.8	7.26	6.1	0.156														
Weiss	3	A	102397	100513	1.0	1.96	----	----	----	----	----	12.9	66.0	61.6	109.0	10.0	2.77	<0.015	0.34	0.37	0.14	0.13	8.01	51	6*
							0.2	18.7	7.25	8.21	0.176														
							1	18.67	7.28	8.11	0.176														
							1.5	18.67	7.3	8.02	0.176														
							2	18.7	7.31	7.96	0.176														
							3	18.6	7.31	7.95	0.176														
							4	18.46	7.32	7.97	0.175														
							5	18.31	7.32	7.98	0.175														
							6	18.26	7.32	7.96	0.175														
							7	18.24	7.33	7.95	0.174														
							8	18.24	7.33	7.94	0.175														
							8.7	18.21	7.33	7.93	0.175														
Weiss	4	A	41797	115610	0.7	2.36	----	----	----	----	----	14.2	50.0	49.4	114.0	10.0	2.99	<0.015	0.32	<0.15	0.08	0.05	6.41	49	18*
							0.1	17.21	7.15	10.2	0.122														
							1	16.65	7.15	9.86	0.122														
							1.5	16.65	7.14	9.71	0.122														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							2	16.65	7.14	9.64	0.122														
							2	16.65	7.17	9.34	0.122														
							3	16.62	7.16	9.23	0.122														
							4	16.63	7.15	9.18	0.122														
							5	16.63	7.16	9.17	0.122														
							6	16.65	7.16	9.15	0.122														
							7	16.65	7.16	9.11	0.123														
							8	16.63	7.16	9.1	0.123														
							9	16.63	7.16	9.07	0.123														
Weiss	4	B	41797	120836	0.6	2.27	----	----	----	----	----	14.1	49.0	46.4	101.0	9.0	2.66	<0.015	0.32	<0.15	0.1	0.049	6.94	50	24
							0.1	17.19	7.20	9.49	0.121														
							1	16.94	7.20	9.29	0.125														
							1.5	16.68	7.18	9.19	0.126														
							2	16.67	7.17	9.12	0.124														
							3	16.65	7.17	9.10	0.126														
							4	16.65	7.16	9.07	0.126														
							5	16.65	7.16	9.06	0.119														
							6	16.65	7.16	9.05	0.120														
							7	16.67	7.16	9.04	0.129														
							8	16.65	7.16	9.03	0.125														
							8.9	16.65	7.16	9.02	0.125														
Weiss	4	A	51597	1008	0.7	2	----	----	----	----	----	16.4	40.0	42.8	91.0	14.0	0.75	<0.015	0.36	<0.15	0.1	0.04	5.34	47	45
							0.2	18.36	6.89	8.25	0.104														
							1	18.31	6.90	8.27	0.104														
							1.5	18.28	6.92	8.23	0.104														
							2	18.22	6.93	8.26	0.104														
							3	18.22	6.93	8.23	0.104														
							4	18.21	6.94	8.23	0.104														
							5	18.20	6.94	8.22	0.104														
							6	18.20	6.95	8.21	0.104														
							7	18.22	6.95	8.20	0.104														
							7	18.21	6.95	8.22	0.104														
							8	18.21	6.95	8.21	0.104														
							9	18.21	6.95	8.20	0.104														
							9.7	18.21	6.95	8.20	0.104														
Weiss	4	B	51597	1010	0.7	1.96	----	----	----	----	----	16.4	40.0	41.4	106.0	17.0	0.92	<0.015	0.34	0.15	0.1	0.04	5.87	48	35
							0.3	18.24	6.96	8.22	0.104														
							1	18.24	6.96	8.22	0.104														

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							1.5	18.26	6.96	8.23	0.104														
							2	18.24	6.97	8.22	0.104														
							3	18.24	6.97	8.21	0.104														
							4	18.21	6.96	8.21	0.104														
							5	18.19	6.96	8.20	0.104														
							6	18.20	6.97	8.20	0.104														
							7	18.19	6.97	8.19	0.104														
							8	18.21	6.97	8.19	0.104														
							9	18.21	6.97	8.19	0.104														
							9.3	18.21	6.97	8.18	0.104														
Weiss	4	A	61997	111014	0.3	1.15	----	----	----	----	----	50.7	38.0	39.0	96.0	28.0	1.89	<0.015	0.35	0.38	0.06	0.055	1.60	35	450
							0.2	21.83	6.59	6.11	0.095														
							1	21.77	6.59	6.10	0.095														
							1.5	21.77	6.59	6.10	0.095														
							2	21.81	6.59	6.11	0.095														
							3	21.81	6.60	6.10	0.095														
							4	21.77	6.60	6.10	0.095														
							5	21.76	6.60	6.10	0.095														
							6	21.74	6.60	6.08	0.095														
							7	21.76	6.60	6.08	0.095														
							8	21.74	6.60	6.08	0.095														
							9	21.76	6.60	6.08	0.094														
							9.8	21.76	6.60	6.06	0.094														
Weiss	4	B	61997	111940	0.3	1.18	----	----	----	----	----	54.3	38.0	39.8	101.0	40.0	1.75	0.04	0.35	0.63	0.06	0.056	2.14	38	>730
							0.2	21.93	6.61	6.06	0.095														
							1	21.77	6.61	6.09	0.095														
							1.5	21.79	6.61	6.09	0.095														
							2	21.77	6.61	6.09	0.095														
							3	21.76	6.61	6.07	0.095														
							4	21.77	6.61	6.09	0.095														
							5	21.77	6.61	6.07	0.095														
							6	21.77	6.61	6.06	0.095														
							7	21.77	6.61	6.06	0.095														
							8	21.79	6.61	6.06	0.095														
							9	21.77	6.61	6.06	0.095														
							9.3	21.77	6.62	6.05	0.095														
Weiss	4	A	72497	150457	1.0	2.25	----	----	----	----	----	10.6	70.0	67.4	85.0	8.0	0.89	<0.015	0.39	<0.15	0.11	0.073	27.20	63	36
							0.1	31.82	7.69	7.95	0.174														

Reservoir Water Quality Monitoring Program
Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							1	31.03	7.63	7.41	0.175														
							1.5	30.93	7.59	7.21	0.175														
							2	30.89	7.58	7.15	0.175														
							3	30.79	7.54	6.90	0.176														
							4	30.67	7.51	6.76	0.177														
							5	30.65	7.51	6.76	0.177														
							6	30.65	7.51	6.72	0.177														
							7	30.63	7.51	6.71	0.177														
							8	30.63	7.51	6.70	0.177														
							9	30.63	7.51	6.70	0.177														
							9.5	30.63	7.51	6.69	0.177														
Weiss	4	B	72497	151454	0.9	2.28	----	----	----	----	----	10.8	70.0	67.3	89.0	4.0	0.92	<0.015	0.39	<0.15	0.1	0.07	25.10	62	44
							0.2	31.88	7.88	8.19	0.176														
							1	31.05	7.70	7.51	0.176														
							1.5	30.99	7.64	7.26	0.175														
							2	30.93	7.61	7.22	0.175														
							3	30.71	7.53	6.80	0.176														
							4	30.65	7.52	6.77	0.177														
							5	30.63	7.52	6.73	0.177														
							6	30.63	7.52	6.76	0.177														
							7	30.63	7.52	6.75	0.177														
							8	30.61	7.52	6.71	0.177														
							9	30.61	7.52	6.71	0.177														
							9.5	30.61	7.52	6.71	0.177														
Weiss	4	A	81397	104016	0.8	2.14	----	----	----	----	----	14.4	53.0	51.0	70.0	8.0	3.19	<0.015	0.46	0.61	0.13	0.087	12.80	56	>75
							0.3	24.98	7.27	7.43	0.141														
							1	24.92	7.31	7.18	0.141														
							1.5	24.85	7.33	7.07	0.141														
							2	24.78	7.33	6.94	0.142														
							3	24.67	7.34	6.8	0.141														
							4	24.63	7.34	6.73	0.142														
							5	24.58	7.33	6.67	0.141														
							6	24.59	7.33	6.63	0.141														
							7	24.56	7.33	6.61	0.141														
							8	24.58	7.33	6.61	0.141														
							9	24.58	7.33	6.59	0.141														
							9.7	24.58	7.33	6.59	0.141														
Weiss	4	B	81397	104756	0.9	1.95	----	----	----	----	----	15.6	54.0	54.6	46.0	8.0	2.80	<0.015	0.36	0.52	0.12	0.08	12.30	55	22

Reservoir Water Quality Monitoring Program
Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							0.3	24.91	7.4	6.91	0.141														
							1	24.8	7.37	6.8	0.142														
							1.5	24.76	7.37	6.8	0.142														
							2	24.76	7.36	6.77	0.142														
							3	24.67	7.35	6.73	0.141														
							4	24.63	7.34	6.67	0.141														
							5	24.58	7.33	6.59	0.141														
							6	24.58	7.33	6.59	0.141														
							7	24.58	7.33	6.56	0.141														
							8	24.58	7.33	6.56	0.141														
							9	24.58	7.33	6.56	0.141														
							9.7	24.59	7.33	6.57	0.141														
Weiss	4	A	91797	102646	1.0	1.83	----	----	----	----	----	10.9	56.0	52.5	119.0	10.0	1.12	<0.015	0.27	<0.15	0.12	0.09	28.80	64	7*
							0.3	27.29	7.57	7.96	0.157														
							1	27.09	7.55	7.68	0.157														
							1.5	26.81	7.43	7.25	0.157														
							2	26.77	7.41	7.18	0.157														
							3	26.73	7.39	7.09	0.158														
							4	26.62	7.37	6.98	0.158														
							5	26.21	7.29	6.43	0.159														
							6	25.97	7.27	6.32	0.157														
							7	25.81	7.26	6.3	0.156														
							8	25.65	7.25	6.22	0.155														
							9	25.65	7.25	6.2	0.153														
							9.2	25.65	7.25	6.2	0.153														
Weiss	4	B	91797	103457	0.9	1.79	----	----	----	----	----	11.3	58.0	52.1	110.0	11.0	0.99	<0.015	0.26	<0.15	0.12	0.08	24.6	62	12*
							0.2	27.32	7.64	7.98	0.158														
							1	27.13	7.61	7.9	0.158														
							1.5	27.08	7.56	7.69	0.158														
							2	26.81	7.44	7.23	0.158														
							3	26.73	7.39	7.05	0.158														
							4	26.62	7.36	6.91	0.158														
							5	26.21	7.29	6.46	0.159														
							6	25.96	7.27	6.3	0.158														
							7	25.87	7.26	6.25	0.157														
							8	25.65	7.26	6.19	0.155														
							9	25.65	7.25	6.16	0.154														
							9.2	25.65	7.25	6.15	0.154														

Reservoir Water Quality Monitoring Program
Coosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00680 TOC mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
Weiss	4	A	102397	103928	1.0	2.05	----	----	----	----	----	12.2	61.0	60.4	104.0	8.0	3.13	<0.015	0.36	0.31	0.17	0.14	6.94	50	7*
							0.3	18.92	7.06	8.06	0.172														
							1	18.86	7.18	8.02	0.172														
							1.5	18.8	7.25	7.94	0.173														
							2	18.8	7.28	7.92	0.173														
							3	18.82	7.31	7.95	0.172														
							4	18.82	7.32	7.91	0.173														
							5	18.82	7.32	7.88	0.173														
							6	18.8	7.32	7.9	0.173														
							7	18.8	7.32	7.91	0.173														
							8	18.82	7.32	7.9	0.172														
							9	18.82	7.33	7.89	0.174														
							9.3	18.82	7.34	7.89	0.173														
Weiss	4	B	102397	104609	1.0	1.91	----	----	----	----	----	12.0	61.0	57.7	108.0	13.0	2.46	<0.015	0.36	0.17	0.15	0.13	7.48	50	5*
							0.2	19.01	7.35	8.03	0.172														
							1	18.86	7.34	7.93	0.173														
							1.5	18.82	7.32	7.89	0.172														
							2	18.8	7.32	7.84	0.172														
							3	18.8	7.32	7.84	0.172														
							4	18.8	7.32	7.82	0.172														
							5	18.8	7.32	7.83	0.173														
							6	18.8	7.32	7.86	0.172														
							7	18.8	7.32	7.85	0.172														
							8	18.8	7.32	7.86	0.173														
							9	18.82	7.32	7.86	0.172														
							9.3	18.82	7.33	7.87	0.172														

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
Thurlow	1	A	41597	----	2.1	4.85	----	----	----	----	----	4.14	12.0	10.8	66.0	<1.0	<0.015	0.14	<0.15	0.08	0.005	9.61	53	<1
							0.1	16.32	6.52	9.18	0.049													
							1	16.28	6.64	9.2	0.048													
							1.5	16.23	6.72	9.22	0.049													
							2	16.21	6.77	9.22	0.048													
							3	16.2	6.81	9.22	0.048													
							4	16.16	6.83	9.18	0.048													
							5	16.15	6.84	9.17	0.047													
							6	16.13	6.85	9.13	0.046													
							7	16.08	6.85	9.05	0.045													
							8	15.65	6.76	8.74	0.044													
							9	15.57	6.7	8.53	0.044													
							9.7	15.55	6.67	8.45	0.044													
Thurlow	1	A	51297	94650	1.74	4.86	----	----	----	----	----	5.97	15.0	10.1	14.0	1.0	<0.015	0.20	<0.15	0.009	<0.01	4.54	45	1*
							0.1	18.67	5.96	8.54	0.042													
							0.9	18.25	6.08	8.43	0.041													
							1.5	18.21	6.15	8.39	0.041													
							2	18.19	6.19	8.35	0.039													
							3	18.07	6.24	8.28	0.041													
							4	18.02	6.25	8.22	0.038													
							5	17.96	6.27	8.16	0.046													
							6	17.68	6.28	8.06	0.041													
							7	17.59	6.29	8.02	0.035													
							8	17.46	6.28	7.84	0.036													
							9	17.29	6.25	7.51	0.051													
							10	16.94	6.19	6.96	0.046													
							11	16.38	6.13	6.7	0.046													
							12	16.11	6.14	6.63	0.041													
							13	16.03	6.12	6.65	0.042													
							13.4	16.03	6.12	6.63	0.042													
Thurlow	1	A	61797	93532	0.56	3.18	----	----	----	----	----	7.73	14.0	10.1	5.0	4.0	<0.015	0.23	<0.15	0.006	0.006	1.07	31	>1720
							0.1	21.24	6.01	6.92	0.04													
							1	19.27	6.16	6.69	0.04													
							1.5	19.01	6.2	6.83	0.04													
							2	18.82	6.23	6.92	0.041													
							3	18.25	6.22	6.62	0.041													
							4	18.12	6.22	6.63	0.041													
							5	17.82	6.19	6	0.041													
							6	17.7	6.17	5.92	0.041													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							7	17.63	6.15	5.91	0.041													
							8	17.58	6.15	5.92	0.041													
							9	17.48	6.15	5.96	0.042													
							10	17.36	6.15	5.95	0.042													
							11	17.26	6.15	5.96	0.042													
							11.4	17.26	6.15	5.95	0.042													
Thurlow	1	A	72297	84130	2.47	5.08	----	----	----	----	----	2.98	14	9.5	18	<1.0	<0.015	0.24	<0.15	0.06	0.005	2.67	40	<1
							0.2	22.09	6.03	6.85	0.041													
							1	21.43	6.15	6.39	0.043													
							1.5	21.16	6.15	6.25	0.043													
							2	20.65	6.15	6.11	0.041													
							3	20.41	6.13	5.83	0.041													
							4	20.18	6.11	5.61	0.04													
							5	20.09	6.1	5.53	0.042													
							6	20.07	6.1	5.55	0.041													
							7	19.86	6.1	5.49	0.043													
							8	19.74	6.09	5.54	0.042													
							9	19.6	6.07	5.49	0.043													
							10	19.57	6.02	5.45	0.043													
							11	19.52	6.02	5.42	0.04													
							11.3	19.5	6.03	5.43	0.039													
Thurlow	1	A	81297	93903	3.03	7.02	----	----	----	----	----	2.07	14	10.8	36	<1.0	<0.015	0.26	0.25	0.12	0.002	1.6	35	7*
							0.3	23.6	5.91	7.25	0.043													
							1	23.19	6.09	7.08	0.043													
							1.5	22.99	6.13	6.9	0.042													
							2	22.41	6.15	6.68	0.043													
							3	21.54	6.13	6.17	0.042													
							4	21.4	6.11	6.08	0.042													
							5	21.32	6.11	6.05	0.042													
							6	21.3	6.11	5.9	0.043													
							7	21.21	6.1	5.72	0.043													
							8	21.18	6.1	5.7	0.043													
							9	21.16	6.09	5.72	0.042													
							10	21.1	6.08	5.63	0.046													
							11	21.04	6.09	5.46	0.043													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							12	20.99	6.08	5.01	0.049													
							12.4	20.99	6.07	4.94	0.05													
Thurlow	1	A	91697	94311	2.28	4.94	----	----	----	----	----	1.96	17	11.1	40	7	<0.015	0.11	<0.15	0.06	<0.004	7.21	50	2*
							0.2	24.51	6.46	7.99	0.043													
							1	24.37	6.44	7.91	0.041													
							1.5	24.23	6.43	7.88	0.041													
							2	24.26	6.46	7.92	0.042													
							3	24.15	6.45	7.75	0.042													
							4	23.64	6.23	6.8	0.042													
							5	23.46	6.16	6.36	0.043													
							6	23.21	6.14	6.09	0.044													
							7	23.11	6.12	5.81	0.044													
							8	22.98	6.11	5.46	0.045													
							9	22.74	6.02	4.91	0.037													
							10	22.41	5.98	4.15	0.039													
							10.7	22.25	5.94	3.29	0.046													
Yates	1	A	41597	----	1.58	4.2	----	----	----	----	----	4.95	14.0	11.2	153.0	2.0	<0.015	0.13	<0.15	0.09	0.009	7.74	51	4*
							0.1	17.1	6.72	9.39	0.051													
							1	16.57	7.02	9.6	0.051													
							1.5	16.4	7.06	9.54	0.05													
							2	16.27	7	9.34	0.05													
							3	16.14	6.95	9.18	0.051													
							4	16.09	6.92	9.06	0.049													
							5	15.92	6.9	8.94	0.049													
							6	15.49	6.86	8.99	0.044													
							7	15.35	6.79	8.89	0.043													
							8	15.03	6.71	8.75	0.042													
							9	14.73	6.67	8.69	0.041													
							10	14.57	6.61	8.62	0.04													
							11	14.43	6.59	8.56	0.04													
							12	14.32	6.56	8.5	0.041													
							13	14.29	6.54	8.46	0.04													
							14	14.27	6.52	8.44	0.04													
							15	14.27	6.51	8.42	0.04													
							16	14.06	6.48	8.33	0.039													
							17	14.04	6.48	8.3	0.039													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							17.2	14.06	6.47	8.28	0.039													
Yates	1	A	51297	112424	1.39	4.5	----	----	----	----	----	6.13	14.0	10.5	<1.0	<1.0	<0.015	0.20	<0.15	0.06	<0.01	4.01	44	2*
							0.1	19.39	6.07	8.5	0.046													
							1	18.16	6.22	8.55	0.042													
							1.5	17.96	6.29	8.46	0.044													
							2	17.77	6.33	8.38	0.045													
							3	17.28	6.31	7.94	0.044													
							4	16.19	6.24	7.3	0.041													
							5	15.88	6.21	7.32	0.04													
							6	15.84	6.19	7.34	0.037													
							7	15.74	6.19	7.35	0.044													
							8	15.46	6.17	7.13	0.035													
							9	15.29	6.15	7.07	0.044													
							10	15.29	6.14	7	0.035													
							11	15.23	6.13	6.88	0.046													
							12	15.11	6.11	6.79	0.044													
							13	15.06	6.1	6.68	0.04													
							14	14.88	6.09	6.53	0.036													
							15	14.8	6.07	6.5	0.039													
							15.5	14.8	6.07	6.48	0.044													
Yates	1	A	61797	112730	2.03	4.27	----	----	----	----	----	4.36	14.0	9.9	10.0	3.0	0.015	0.24	0.19	0.02	0.006	1.34	33	42
							0.1	22.97	6.11	7.91	0.045													
							1	19.64	6.23	7.13	0.042													
							1.5	17.72	6.2	6.5	0.041													
							2	17.43	6.18	6.34	0.039													
							3	17.31	6.17	6.19	0.04													
							4	16.96	6.15	5.95	0.043													
							5	16.86	6.14	5.93	0.042													
							6	16.87	6.13	5.89	0.04													
							7	16.86	6.13	5.86	0.038													
							8	16.74	6.12	5.8	0.044													
							9	16.72	6.12	5.77	0.041													
							10	16.72	6.12	5.74	0.037													
							11	16.7	6.12	5.7	0.041													
							12	16.69	6.11	5.67	0.042													
							13	16.67	6.11	5.64	0.037													
							14	16.67	6.11	5.59	0.036													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+ NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							16	16.54	6.1	5.43	0.035													
							17	16.5	6.1	5.37	0.042													
							17.3	16.52	6.1	5.35	0.045													
Yates	1	A	72297	101033	2.39	4.29	----	----	----	----	----	3.21	14	9.8	10	<1.0	<0.015	0.38	0.19	0.13	0.003	3.74	44	8*
							0.3	21	6.06	6.19	0.039													
							1	20.89	6.17	5.97	0.04													
							1.5	20.64	6.2	5.74	0.04													
							2	20.18	6.14	5.37	0.038													
							3	19.96	6.13	5.14	0.041													
							4	19.83	6.12	4.94	0.038													
							5	19.57	6.11	4.62	0.043													
							6	19.41	6.09	4.53	0.039													
							7	19.31	6.08	4.47	0.042													
							8	19.19	6.08	4.31	0.037													
							9	19.1	6.08	4.22	0.037													
							10	19	6.07	4.15	0.04													
							11	18.95	6.08	4.12	0.041													
							12	18.89	6.06	3.97	0.042													
							13	18.81	6.05	3.9	0.041													
							14	18.78	6.06	3.81	0.041													
							15	18.71	6.07	3.7	0.041													
							16	18.66	6.07	3.57	0.041													
							16.9	18.66	6.07	3.52	0.041													
Yates	1	A	81297	105513	2.13	6.62	----	----	----	----	----	7.65	13	11.1	81	1	0.02	0.22	0.78	0.03	0.004	2.94	41	<1
							0.2	26.35	5.97	7.88	0.054													
							1	25.1	6.45	7.87	0.053													
							1.5	24.06	6.46	7.13	0.049													
							2	22.41	6.32	5.59	0.041													
							3	21.25	6.17	4.84	0.04													
							4	20.9	6.12	4.61	0.04													
							5	20.7	6.1	4.41	0.04													
							6	20.48	6.08	4.27	0.039													
							7	20.34	6.07	4.15	0.04													
							8	20.3	6.06	4.14	0.041													
							9	20.18	6.03	4.13	0.041													
							10	20.18	6.04	4.09	0.041													
							11	20.16	6.04	4.06	0.041													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+ NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							12	20.11	6.03	3.98	0.041													
							13	20	6.01	3.82	0.041													
							14	19.96	6	3.68	0.041													
							15	19.83	6.01	3.78	0.041													
							15.7	19.82	6.01	3.77	0.041													
Yates	1	A	91697	110310	1.95	5.21	----	----	----	----	----	2.33	9	11.4	58	5	<0.015	0.09	<0.15	0.06	<0.004	9.08	52	1*
							0.2	26.05	7.23	8.68	0.05													
							1	25.6	7.27	8.75	0.049													
							1.5	25.49	7.23	8.75	0.049													
							2	25.4	7.25	8.72	0.049													
							3	25.14	6.93	8.26	0.052													
							4	21.9	6	3.5	0.04													
							5	21.68	5.97	3.03	0.04													
							6	21.63	5.96	2.95	0.039													
							7	21.56	5.97	3.27	0.041													
							8	21.51	5.98	3.25	0.043													
							9	21.46	5.98	3.16	0.04													
							10	21.42	5.98	2.86	0.04													
							11	21.33	5.96	2.64	0.04													
							12	21.28	5.96	2.58	0.041													
							13	21.29	5.96	2.69	0.039													
							14	21.26	5.96	2.66	0.039													
							15	21.2	5.96	2.4	0.044													
							16	21.13	5.97	2.28	0.04													
							17	21.08	5.97	2.14	0.042													
							17.2	21.05	5.97	2.07	0.044													
Yates	2	A	41597	----	0.48	1.65	----	----	----	----	----	25.8	34.0	20.3	142.0	15.0	<0.015	0.43	<0.15	0.12	0.041	1.07	31	25*
							0.1	16.6	6.63	8.54	0.096													
							0.5	16.01	6.82	8.6	0.096													
							1	15.67	6.91	8.65	0.094													
							1.5	15.6	7.03	8.57	0.094													
							2	15.6	7.06	8.56	0.093													
							2.2	15.6	7.06	8.55	0.093													
Yates	2	A	51297	121326	0.57	1.84	----	----	----	----	----	20.8	38.0	20.8	69.0	13.0	<0.015	0.42	<0.15	0.13	0.034	5.87	48	26
							0.1	20.54	6.65	8.04	0.108													
							1	18.45	6.82	7.84	0.11													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							1.5	18.31	6.85	7.67	0.11													
							2	18.28	6.87	7.66	0.113													
							2.2	18.29	6.88	7.59	0.109													
Yates	2	A	61797	145240	0.9	----	----	----	----	----	----	15.4	35.0	19.7	51.0	9.0	<0.015	0.30	0.29	0.025	0.015	15.5	57	18*
							0.1	26.23	7.88	9.24	0.103													
							1	26.21	7.91	8.79	0.107													
							1.5	25.07	7.32	6.37	0.11													
							2	24.38	7.11	5.84	0.097													
							3	21.06	6.83	2.13	0.068													
							3.6	19.64	6.63	1.49	0.061													
Yates	2	A	72297	105218	0.57	1.25	----	----	----	----	----	24.3	43	24.0	65	15	<0.015	0.25	<0.15	0.06	0.048	15.5	57	29
							0.2	27.09	6.41	6.74	0.112													
							1	27.07	6.87	6.41	0.112													
							1.5	27.06	6.94	6.11	0.112													
							2	25.32	6.77	3.34	0.095													
							2.3	22.56	6.73	1.44	0.071													
Yates	2	A	81297	114326	0.51	1.33	----	----	----	----	----	30.5	55	25.2	257	21	0.08	0.55	0.74	0.18	0.05	13.4	56	38
							0.3	27.23	6.47	6.98	0.148													
							1	26.54	6.79	6.25	0.151													
							1.5	25.44	6.82	3.67	0.13													
							2	22.92	6.8	1.94	0.093													
Yates	2	A	91697	115420	0.36	0.82	----	----	----	----	----	40.1	56	25.9	164	20	<0.015	0.3	0.221	0.12	0.013	36.6	66	15*
							0.3	27.01	7.66	8.27	0.189													
							1	24.92	7.27	7.22	0.192													
							1.5	24.9	7.27	6.99	0.193													
							2.1	24.88	7.27	6.93	0.193													
Martin	1	A	41697	----	2.59	5.78	----	----	----	----	----	3.91	11.0	9.1	13.0	<1.0	<0.015	0.15	<0.15	0.06	<0.004	2.14	38	<1
							0.1	18.98	6.42	8.77	0.038													
							1	18.3	6.55	8.9	0.037													
							1.5	18.19	6.62	8.94	0.037													
							2	18.12	6.65	8.98	0.037													
							3	18.05	6.71	8.97	0.037													
							4	17.52	6.69	8.89	0.037													
							5	17.45	6.67	8.85	0.037													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							6	17.4	6.66	8.79	0.037													
							7	17.33	6.65	8.75	0.037													
							8	17.29	6.63	8.72	0.037													
							9	17.25	6.64	8.73	0.037													
							10	17.22	6.63	8.72	0.037													
							11	17.1	6.61	8.68	0.037													
							12	16.72	6.58	8.59	0.037													
							13	15.07	6.51	8.46	0.038													
							14	14.27	6.44	8.44	0.038													
							15	13.94	6.38	8.31	0.039													
							16	13.53	6.36	8.32	0.039													
							17	13.38	6.33	8.32	0.039													
							18	13.18	6.31	8.34	0.039													
							19	13.04	6.31	8.36	0.038													
							20	12.92	6.31	8.35	0.038													
							25	11.8	6.29	8.41	0.039													
							30	11.02	6.26	8.36	0.041													
							35	10.74	6.23	8.14	0.041													
							40	10.53	6.2	7.89	0.041													
							44.2	10.4	6.14	7.19	0.042													
Martin	1	A	51397	102122	3.27	7.62	----	----	----	----	----	2.44	11.0	9.1	13.0	<1.0	<0.015	0.15	<0.15	0.06	<0.004	2.14	38	----'------X14-
							0.1	21.89	6.3	8.49	0.036													
							1	21.86	6.46	8.5	0.035													
							1.5	21.79	6.52	8.51	0.036													
							2	21.73	6.62	8.51	0.036													
							3	21.7	6.68	8.51	0.037													
							4	21.54	6.71	8.51	0.034													
							5	21.42	6.74	8.51	0.04													
							6	21.36	6.75	8.51	0.035													
							7	20.82	6.75	8.36	0.04													
							8	20.5	6.68	8.19	0.038													
							9	19.33	6.62	7.8	0.041													
							10	18.37	6.51	7.5	0.041													
							11	18.05	6.41	7.37	0.038													
							12	17.59	6.36	7.21	0.047													
							13	17.5	6.33	7.15	0.031													
							14	16.78	6.29	6.89	0.048													
							15	16.5	6.26	6.89	0.032													

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Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							16	16.21	6.23	6.81	0.043													
							17	15.88	6.21	6.79	0.034													
							18	15.28	6.19	6.86	0.047													
							19	14.94	6.17	6.83	0.05													
							20	14.5	6.14	6.73	0.033													
							25	13.05	6.11	6.59	0.038													
							30	12.22	6.07	6.23	0.058													
							35	11.7	6.01	5.69	0.046													
							40	11.45	5.97	5.15	0.047													
							44.6	11.11	5.94	4.31	0.044													
Martin	1	A	61897	105917	3.93	6.78	----	----	----	----	----	1.43	13.0	9.4	5.0	<1.0	<0.015	0.13	<0.150	0.015	0.005	2.67	40	2*
							0.1	24.39	6.87	8.13	0.036													
							1	24.4	6.96	8.06	0.037													
							1.5	24.4	7.03	8.01	0.037													
							2	24.4	7.02	7.97	0.037													
							3	24.36	7.08	7.89	0.04													
							4	23.38	6.98	7.46	0.038													
							5	23.32	6.96	7.49	0.038													
							6	22.68	6.87	7.12	0.036													
							7	22.14	6.78	6.68	0.034													
							8	21.88	6.69	6.23	0.039													
							9	21.06	6.58	5.58	0.036													
							10	20.26	6.47	4.88	0.04													
							11	19.63	6.43	4.62	0.038													
							12	19.27	6.39	4.49	0.042													
							13	19.07	6.35	4.5	0.04													
							14	18.16	6.34	4.58	0.036													
							15	17.8	6.32	4.61	0.042													
							16	17.31	6.33	4.8	0.048													
							17	17.09	6.32	4.85	0.039													
							18	16.96	6.32	4.82	0.044													
							19	16.79	6.33	4.9	0.04													
							20	16.74	6.34	4.92	0.043													
							25	14.65	6.3	4.49	0.034													
							30	13.54	6.28	3.96	0.048													
							35	12.94	6.23	3.15	0.032													
							40	12.55	6.22	2.76	0.05													
							45	12.3	6.2	2.32	0.034													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							45.5	12.27	6.21	2.29	0.038													
Martin	1	A	72397	100938	2.97	8.47	----	----	----	----	----	1.33	13	9.1	26	<1.0	<0.015	0.12	<0.15	0.09	0.006	4.81	46	2*
							0.3	28.72	6.51	7.5	0.036													
							1	28.66	7.08	7.54	0.037													
							1.5	28.58	7.58	7.52	0.039													
							2	28.56	7.7	7.48	0.039													
							3	28.5	7.72	7.45	0.04													
							4	28.44	7.76	7.38	0.036													
							5	27.88	7.7	7.76	0.039													
							6	26.58	7.61	7.8	0.042													
							7	25.76	7.37	6.85	0.041													
							8	24.9	7.06	5.99	0.038													
							9	24.35	6.73	4.56	0.041													
							10	23.35	6.31	3.02	0.039													
							11	22.74	6.17	3	0.039													
							12	22.18	6.12	3.56	0.043													
							13	21.89	6.03	3.11	0.038													
							14	21.44	6	3.09	0.038													
							15	20.95	5.97	3.13	0.04													
							16	20.43	5.96	3.13	0.043													
							17	19.83	5.9	3.12	0.038													
							18	19.26	5.94	3.28	0.032													
							19	18.84	5.88	3.29	0.042													
							20	18.23	5.87	3.42	0.046													
							25	16.6	5.85	3.4	0.05													
							30	15.4	5.8	2.74	0.034													
							35	14.25	5.71	1.81	0.049													
							40	13.66	5.7	1.02	0.052													
							44.5	12.88	5.66	0.17	0.054													
Martin	1	A	81497	103648	3.07	9.41	----	----	----	----	----	1.28	13	9.1	199	1	<0.015	0.04	0.62	0.02	0.004	5.61	47	1*
							0.3	29.09	7.16	7.72	0.035													
							1	28.93	7.31	7.73	0.035													
							1.5	28.78	7.45	7.7	0.037													
							2	28.44	7.55	7.74	0.036													
							3	28.19	7.53	7.67	0.034													
							4	28.17	7.52	7.59	0.038													
							5	28	7.44	7.09	0.039													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							6	27.88	7.26	6.83	0.039													
							7	27.68	7.1	6.37	0.041													
							8	27.57	7.03	6.18	0.035													
							9	27.44	6.91	6.24	0.042													
							10	26.15	6.75	4.23	0.032													
							11	24.64	6.38	2.76	0.036													
							12	23.91	6.06	2.28	0.034													
							13	23.22	5.95	2.09	0.038													
							14	22.48	5.87	1.88	0.035													
							15	21.91	5.85	1.95	0.036													
							16	21.4	5.83	1.9	0.047													
							17	20.84	5.84	1.9	0.034													
							18	20.48	5.8	1.84	0.033													
							19	19.95	5.81	1.85	0.034													
							20	19.48	5.79	1.85	0.052													
							25	17.6	5.82	2.06	0.055													
							30	16.2	5.76	1.71	0.05													
							35	15.08	5.68	0.7	0.054													
							40	14.14	5.7	0.08	0.058													
							45	13.16	5.8	0.07	0.043													
							45.1	13.13	5.83	0.06	0.035													
Martin	1	A	91797	110304	4.41	10.39	----	----	----	----	----	1.22	15	10.1	504	<1.0	<0.015	<0.003	<0.15	0.04	<0.004	3.74	44	<1
							0.2	28.56	6.91	7.46	0.039													
							1	28.42	7.09	7.47	0.038													
							1.5	28.31	7.05	7.49	0.035													
							2	28.29	7.1	7.46	0.039													
							3	28.27	7.12	7.47	0.036													
							4	28.23	7.13	7.46	0.041													
							5	28.23	7.11	7.42	0.037													
							6	28.22	7.11	7.39	0.033													
							7	28.17	6.95	7.03	0.037													
							8	27.88	6.51	5.52	0.041													
							9	27.66	6.21	4.1	0.038													
							10	27.19	5.92	1.47	0.044													
							11	26.3	5.85	0.1	0.039													
							12	25.58	5.84	0.08	0.036													
							13	24.81	5.82	0.07	0.039													
							14	24.24	5.81	0.06	0.037													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							15	23.42	5.82	0.07	0.042													
							16	22.81	5.83	0.21	0.042													
							17	22.44	5.84	0.27	0.04													
							18	21.85	5.85	0.35	0.046													
							19	21.42	5.87	0.43	0.042													
							20	20.98	5.9	0.43	0.041													
							25	18.52	5.93	0.52	0.041													
							30	16.96	6	0.06	0.041													
							35	15.63	6.14	0.04	0.047													
							40	14.39	6.23	0.05	0.052													
							44.1	13.48	6.37	0.05	0.064													
Martin	2	A	41697	----	2.13	5.1	----	----	----	----	----	4.35	12.0	9.6	25.0	<1.0	<0.015	0.19	<0.15	0.06	0.005	4.01	44	<1
							0.1	20.48	6.41	8.56	0.037													
							1	18.94	6.59	8.99	0.038													
							1.5	18.89	6.7	9.02	0.038													
							2	18.26	6.78	9.14	0.037													
							3	18.07	6.81	9.09	0.037													
							4	17.65	6.75	8.97	0.037													
							5	17.56	6.68	8.82	0.037													
							6	17.51	6.65	8.73	0.037													
							7	17.48	6.62	8.7	0.037													
							8	17.41	6.6	8.62	0.037													
							9	17.3	6.57	8.53	0.037													
							10	17.19	6.55	8.49	0.037													
							11	17.09	6.53	8.45	0.037													
							12	16.5	6.45	8.24	0.037													
							13	14.99	6.36	8.03	0.038													
							14	14.39	6.3	7.92	0.038													
							15	13.81	6.29	7.99	0.039													
							16	13.35	6.28	8.04	0.038													
							17	13.13	6.26	8.04	0.038													
							18	12.87	6.23	7.97	0.038													
							19	12.76	6.22	7.95	0.038													
							20	12.6	6.21	7.91	0.039													
							25	11.72	6.2	7.93	0.04													
							30	11.19	6.17	7.76	0.041													
							35	10.89	6.15	7.51	0.041													
							40	10.66	6.12	7.15	0.041													

Reservoir Water Quality Monitoring Program
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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							42	10.6	6.09	6.74	0.042													
Martin	2	A	51397	112521	2.88	6.88	----	----	----	----	----	2.83	13.0	9.7	<1.0	1.0	<0.015	0.15	<0.15	0.06	0.003	2.14	38	<1
							0.1	22.35	6.18	9.02	0.035													
							1	21.88	6.49	8.97	0.034													
							1.5	21.78	6.68	8.85	0.037													
							2	21.6	6.79	8.82	0.037													
							3	21.52	6.81	8.79	0.035													
							4	21.37	6.81	8.72	0.036													
							5	20.7	6.76	8.47	0.035													
							6	20.28	6.71	8.16	0.037													
							7	20.1	6.62	8.07	0.036													
							8	19.72	6.53	7.82	0.037													
							9	18.91	6.46	7.62	0.038													
							10	18.07	6.39	7.4	0.039													
							11	17.78	6.37	7.34	0.039													
							12	17.49	6.34	7.21	0.039													
							13	17.19	6.3	7.04	0.039													
							14	16.89	6.25	6.9	0.039													
							15	16.57	6.21	6.69	0.039													
							16	16.29	6.18	6.63	0.04													
							17	15.78	6.14	6.36	0.04													
							18	15.41	6.12	6.34	0.041													
							19	14.81	6.09	6.23	0.041													
							20	14.26	6.09	6.38	0.04													
							25	13	6.06	6.09	0.042													
							30	12.4	5.98	5.55	0.042													
							35	11.93	5.95	5.09	0.043													
							40	11.56	5.91	4.56	0.043													
							41.8	11.42	5.89	4.05	0.044													
Martin	2	A	61897	115510	3.73	6.26	----	----	----	----	----	1.56	14.0	9.9	70.0	<1.0	<0.015	0.13	0.21	<0.004	<0.004	4.27	45	<1
							0.2	24.67	6.61	7.66	0.036													
							1	24.63	6.77	7.69	0.036													
							1.5	24.63	6.89	7.69	0.036													
							2	24.66	7.05	7.66	0.036													
							3	24.61	7.1	7.63	0.037													
							4	24.5	7.13	7.54	0.037													
							5	23.45	6.99	7.05	0.038													

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							6	23.18	6.84	6.83	0.038													
							7	22.39	6.68	6.08	0.038													
							8	21.66	6.57	5.59	0.04													
							9	21.04	6.45	4.86	0.041													
							10	20.5	6.37	4.49	0.041													
							11	19.72	6.31	4.12	0.041													
							12	19.43	6.27	4	0.041													
							13	19.15	6.26	3.94	0.041													
							14	19.04	6.28	3.86	0.041													
							15	18.05	6.27	4.06	0.041													
							16	17.87	6.28	4.15	0.041													
							17	17.53	6.29	4.29	0.041													
							18	17.18	6.27	4.44	0.04													
							19	16.94	6.29	4.31	0.041													
							20	16.6	6.29	4.49	0.041													
							25	14.9	6.25	4.1	0.042													
							30	13.6	6.21	3.27	0.041													
							35	13.14	6.18	2.5	0.044													
							40	12.63	6.14	1.73	0.036													
							41.4	12.57	6.12	1.66	0.047													
Martin	2	A	72397	111121	2.34	7.7	----	----	----	----	----	1.98	13	8.5	<1.0	<1.0	<0.015	0.11	0.271	0.03	0.006	2.67	40	<1
							0.2	28.78	7.03	7.24	0.036													
							1	28.33	7.08	7.24	0.039													
							1.5	28.07	7.06	7.08	0.04													
							2	28.06	7.01	6.99	0.038													
							3	28.02	6.97	6.97	0.038													
							4	27.98	6.92	6.84	0.039													
							5	27.69	6.77	6.37	0.044													
							6	25.44	6.41	4.19	0.045													
							7	24.97	6.21	3.6	0.041													
							8	24.38	6.1	3.09	0.045													
							9	23.82	6.06	2.79	0.042													
							10	23.47	6	2.72	0.039													
							11	22.84	5.98	2.55	0.042													
							12	22.47	5.94	2.59	0.039													
							13	22.17	5.93	2.58	0.04													
							14	21.67	5.91	2.54	0.035													
							15	21.12	5.9	2.49	0.038													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+ NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							16	20.85	5.89	2.42	0.048													
							17	20.28	5.86	2.37	0.053													
							18	19.79	5.89	2.35	0.032													
							19	19.21	5.86	2.4	0.03													
							20	18.89	5.85	2.61	0.05													
							25	16.91	5.92	3.03	0.053													
							30	15.47	5.85	1.55	0.062													
							35	14.51	5.76	0.51	0.039													
							40	13.67	5.9	0.06	0.065													
							41.3	13.58	5.9	0.06	0.053													
Martin	2	A	81497	113217	2.76	9.1	----	----	----	----	----	1.41	13	9.0	460	<1.0	<0.015	0.05	0.69	0.03	0.004	6.14	48	1*
							0.2	29.99	6.21	7.59	0.037													
							1	29.07	7.16	7.96	0.036													
							1.5	28.8	7.7	8.04	0.037													
							2	28.74	7.87	8.06	0.037													
							3	28.41	7.86	7.91	0.038													
							4	28.19	7.75	7.69	0.037													
							5	27.96	7.62	7.19	0.037													
							6	27.93	7.53	7.1	0.038													
							7	27.82	7.44	6.84	0.037													
							8	27.46	7.27	5.62	0.038													
							9	26.43	6.72	1.81	0.039													
							10	25.63	6.48	1.3	0.04													
							11	24.86	6.16	1.53	0.041													
							12	24.13	6.05	1.38	0.043													
							13	23.24	6	1.19	0.046													
							14	22.4	6	1.36	0.035													
							15	21.95	5.99	1.46	0.042													
							16	21.54	5.99	1.49	0.045													
							17	21.21	6.01	1.54	0.039													
							18	20.72	6.01	1.52	0.044													
							19	20.16	6.02	1.56	0.045													
							20	19.77	6.03	1.62	0.048													
							25	17.57	6.04	1.83	0.046													
							30	16.09	6.03	0.65	0.042													
							35	15.15	6.08	0.1	0.045													
							40	14.12	6.22	0.07	0.044													
							42.1	13.84	6.26	0.06	0.07													

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+ NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
Martin	2	A	91797	114915	4.3	10.12	----	----	----	----	----	1.37	16	9.9	398	<1.0	<0.015	<0.003	<0.15	0.01	0.001	3.47	43	<1
							0.3	28.97	6.78	7.3	0.037													
							1	28.44	6.98	7.42	0.035													
							1.5	28.33	7.01	7.43	0.039													
							2	28.23	7.03	7.41	0.038													
							3	28.14	7.02	7.4	0.035													
							4	28.09	7	7.4	0.033													
							5	28.06	7.01	7.37	0.035													
							6	28.04	6.92	7.18	0.035													
							7	28	6.87	7.06	0.032													
							8	27.78	6.51	5.76	0.033													
							9	27.59	6.26	4.74	0.035													
							10	27.15	5.9	1.3	0.041													
							11	26.58	5.81	0.1	0.036													
							12	25.79	5.8	0.09	0.045													
							13	24.91	5.77	0.07	0.044													
							14	24.4	5.77	0.06	0.047													
							15	23.68	5.73	0.07	0.049													
							16	23.06	5.7	0.06	0.049													
							17	22.15	5.69	0.15	0.033													
							18	21.79	5.71	0.19	0.032													
							19	21.2	5.7	0.28	0.038													
							20	20.7	5.7	0.3	0.046													
							25	18.49	5.72	0.14	0.044													
							30	16.77	5.88	0.05	0.057													
							35	15.62	6.09	0.04	0.04													
							40	14.39	6.47	0.06	0.102													
							40.6	14.25	6.54	0.06	0.092													
Martin	3	A	41697	----	2.95	6.5	----	----	----	----	----	3.57	13.0	8.1	27.0	<1.0	<0.015	0.14	<0.150	0.06	0.006	1.07	31	<1
							0.1	18.43	6.36	8.69	0.038													
							1	18.17	6.52	8.8	0.038													
							1.5	18	6.59	8.84	0.038													
							2	17.71	6.65	8.91	0.038													
							3	17.63	6.69	8.91	0.038													
							4	17.56	6.69	8.91	0.038													
							5	17.49	6.7	8.9	0.038													
							6	17.41	6.71	8.93	0.037													

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+ NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							7	17.36	6.71	8.88	0.037													
							8	17.23	6.7	8.83	0.038													
							9	17.14	6.67	8.78	0.038													
							10	16.99	6.65	8.74	0.038													
							11	16.81	6.61	8.65	0.038													
							12	16.4	6.57	8.54	0.037													
							13	15.33	6.47	8.33	0.038													
							14	14.95	6.4	8.21	0.038													
							15	13.98	6.37	8.23	0.039													
							16	13.73	6.33	8.12	0.039													
							17	13.41	6.31	8.09	0.039													
							18	13.35	6.28	8.05	0.038													
							19	13.31	6.26	8.01	0.039													
							20	13.2	6.26	8.01	0.039													
							25	12.25	6.25	8.11	0.038													
							25.2	12.23	6.25	8.11	0.038													
Martin	3	A	51397	91353	3.65	7.81	----	----	----	----	----	2.46	13.0	9.1	<1.0	<1.0	<0.015	0.13	<0.15	0.06	0.003	1.87	37	<1
							0.1	21.22	6.26	8.57	0.038													
							1	21.22	6.38	8.57	0.036													
							1.5	21.19	6.46	8.57	0.039													
							2	21.15	6.52	8.56	0.04													
							3	20.94	6.56	8.58	0.034													
							4	20.85	6.6	8.55	0.034													
							5	20.68	6.62	8.49	0.041													
							6	20.29	6.62	8.39	0.042													
							7	19.85	6.59	8.19	0.041													
							8	18.95	6.54	8.1	0.039													
							9	18.46	6.47	7.95	0.041													
							10	18.01	6.37	7.79	0.04													
							11	17.76	6.31	7.62	0.034													
							12	17.23	6.22	7.5	0.04													
							13	16.87	6.16	7.33	0.039													
							14	16.5	6.11	7.15	0.042													
							15	16.33	6.06	7.09	0.038													
							16	15.78	6.03	6.94	0.044													
							17	15.53	5.98	6.85	0.042													
							18	15.13	5.98	6.65	0.042													
							19	14.68	5.91	6.52	0.048													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							20	14.45	5.87	6.44	0.034													
							21	14.15	5.84	6.33	0.041													
							22	13.77	5.8	6.31	0.035													
							23	13.55	5.79	6.31	0.038													
							24	13.34	5.76	6.28	0.035													
							25	13.13	5.75	6.22	0.042													
							26	13.05	5.72	6.11	0.033													
							26.6	12.99	5.69	5.87	0.042													
Martin	3	A	61897	94549	3.45	5.95	----	----	----	----	----	1.47	14.0	9.4	60.0	<1.0	<0.015	0.11	<0.15	<0.004	<0.004	2.94	41	6*
							0.1	24.79	6.7	7.9	0.037													
							1	24.8	6.87	7.85	0.039													
							1.5	24.78	6.94	7.81	0.04													
							2	24.8	7.01	7.76	0.042													
							3	24.78	7.04	7.72	0.04													
							4	24.8	7.1	7.69	0.035													
							5	24.78	7.12	7.67	0.04													
							6	23.67	7.04	7.56	0.035													
							7	22.96	7	7.33	0.037													
							8	22.44	6.89	7.1	0.042													
							9	21.64	6.83	6.66	0.039													
							10	21.15	6.74	6.35	0.042													
							11	20.17	6.68	6.03	0.044													
							12	18.95	6.59	5.6	0.044													
							13	18.33	6.54	5.41	0.041													
							14	17.91	6.51	5.37	0.041													
							15	17.48	6.45	5.24	0.039													
							16	17.18	6.4	5.14	0.041													
							17	16.82	6.39	5.11	0.039													
							18	16.67	6.38	4.85	0.04													
							19	16.57	6.35	4.77	0.038													
							20	16.28	6.34	4.66	0.042													
							21	15.93	6.33	4.56	0.041													
							22	15.66	6.31	4.47	0.047													
							23	15.31	6.31	4.18	0.042													
							24	14.9	6.28	4.06	0.038													
							25	14.52	6.29	3.72	0.041													
							25.2	14.43	6.27	3.67	0.039													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
Martin	3	A	72397	90822	2.71	8.28	----	----	----	----	----	1.67	12	9.0	<1.0	<1.0	<0.015	0.07	<0.15	0.05	0.005	6.14	48	<1
							0.2	28.88	7.17	7	0.04													
							1	28.84	7.19	7.01	0.04													
							1.5	28.82	7.22	7.05	0.039													
							2	28.84	7.21	7.04	0.039													
							3	28.84	7.23	7.03	0.04													
							4	28.84	7.23	7.01	0.04													
							5	28.84	7.23	6.99	0.04													
							6	28.82	7.22	6.98	0.034													
							7	26.88	7.01	6.37	0.036													
							8	24.37	6.77	5.69	0.037													
							9	24.09	6.6	5.43	0.042													
							10	23.51	6.44	4.88	0.044													
							11	22.49	6.38	4.44	0.038													
							12	22.25	6.27	3.83	0.045													
							13	21.45	6.19	3.68	0.046													
							14	21.15	6.15	3.59	0.038													
							15	20.74	6.13	3.4	0.036													
							16	19.57	6.1	3.2	0.034													
							17	19.26	6.07	2.8	0.033													
							18	18.71	6.07	2.84	0.042													
							19	18.22	6.05	2.8	0.037													
							20	17.8	6.04	2.64	0.039													
							25	16.66	6.03	1.38	0.044													
							26.4	16.4	6.04	0.61	0.048													
Martin	3	A	81497	94146	3.03	9.48	----	----	----	----	----	1.45	14	8.9	138	1	<0.015	0.04	0.71	0.03	0.003	4.01	44	2*
							0.3	29.57	6.58	7.6	0.036													
							1	29.53	6.98	7.69	0.037													
							1.5	29.29	7.3	7.73	0.038													
							2	29.21	7.43	7.75	0.037													
							3	28.88	7.48	7.74	0.039													
							4	28.5	7.45	7.59	0.036													
							5	28.17	7.42	7.53	0.038													
							6	27.98	7.33	7.22	0.038													
							7	27.96	7.25	7.16	0.035													
							8	27.86	7.15	6.93	0.039													
							9	27.63	7.06	6.41	0.038													
							10	25.85	6.67	3.69	0.04													

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Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							11	24.44	6.33	3.29	0.04													
							12	23.56	6.19	2.74	0.04													
							13	22.81	6.1	2.45	0.039													
							14	22.4	6.04	2.29	0.04													
							15	21.77	6.02	2.1	0.04													
							16	21.2	6.02	1.94	0.041													
							17	20.83	6	1.81	0.041													
							18	20.32	5.99	1.46	0.041													
							19	19.72	5.98	1.19	0.041													
							20	19.38	5.98	1	0.042													
							25	17.57	6.01	0.14	0.044													
							26.2	17.16	6.03	0.1	0.047													
Martin	3	A	91797	100013	4.02	10.62	----	----	----	----	----	1.15	14	9.9	226	1	<0.015	<0.003	<0.15	0.02	<0.004	2.67	40	<1
							0.2	28.29	7.12	7.56	0.038													
							1	28.13	7.11	7.59	0.038													
							1.5	28.09	7.13	7.57	0.038													
							2	28.09	7.17	7.57	0.038													
							3	28.06	7.19	7.57	0.038													
							4	27.96	7.14	7.51	0.038													
							5	27.86	7.12	7.48	0.038													
							6	27.8	7.09	7.39	0.038													
							7	27.63	6.97	7.08	0.038													
							8	27.59	6.93	7.07	0.038													
							9	27.51	6.82	6.8	0.038													
							10	27.36	6.51	5.58	0.04													
							11	26.9	6.06	1.5	0.036													
							12	26.07	5.91	0.42	0.044													
							13	25.27	5.86	0.13	0.033													
							14	24.24	5.86	0.1	0.046													
							15	23.49	5.85	0.09	0.036													
							16	22.84	5.87	0.08	0.051													
							17	22.26	5.88	0.07	0.045													
							18	21.78	5.88	0.07	0.043													
							19	21.33	5.92	0.07	0.046													
							20	20.92	5.96	0.07	0.057													
							25	18.57	6.38	0.08	0.065													
Martin	4	A	41697	----	1.34	3.4	----	----	----	----	----	8.65	13.0	8.8	21.0	1.0	<0.015	0.16	<0.15	0.07	0.006	7.21	50	3*

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							0.1	20.25	6.77	9.24	0.038													
							1	19.73	6.82	9.28	0.037													
							1.5	18.96	6.83	9.33	0.036													
							2	18.25	6.79	9.23	0.035													
							3	17.65	6.69	8.92	0.035													
							4	17.45	6.61	8.76	0.036													
							5	17.28	6.54	8.56	0.037													
							6	17.19	6.51	8.48	0.035													
							7	17.16	6.47	8.42	0.035													
							8	17.14	6.45	8.4	0.035													
							9	17.11	6.44	8.37	0.035													
							10	17.09	6.43	8.34	0.035													
							11	16.91	6.4	8.2	0.036													
							12	16.37	6.3	7.79	0.039													
							13	15.44	6.21	7.35	0.04													
							14	14.52	6.13	6.63	0.042													
							15	13.97	6.07	6.2	0.044													
							16	13.57	6.04	5.75	0.044													
							17	13.29	6.02	5.7	0.044													
							17.5	13.17	6.03	5.75	0.042													
Martin	4	B	41697	----	1.32	3.4	----	----	----	----	----	8.18	10.0	8.5	13.0	2.0	<0.015	0.16	<0.15	0.07	0.006	4.54	45	2*
							0.2	19.86	6.93	9.27	0.037													
							1	19.56	6.96	9.35	0.037													
							1.5	19.26	6.95	9.32	0.037													
							2	18.86	6.92	9.3	0.036													
							3	17.61	6.73	8.85	0.036													
							4	17.43	6.62	8.69	0.036													
							5	17.28	6.56	8.55	0.036													
							6	17.21	6.53	8.46	0.035													
							7	17.19	6.5	8.42	0.035													
							8	17.14	6.48	8.41	0.035													
							9	17.11	6.46	8.38	0.035													
							10	17.1	6.45	8.36	0.035													
							11	16.92	6.42	8.22	0.036													
							12	16.29	6.3	7.7	0.039													
							13	15.61	6.25	7.49	0.039													
							14	14.52	6.13	6.43	0.043													
							15	13.93	6.09	6.21	0.044													

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							16	13.58	6.04	5.74	0.044													
							17	13.2	6.04	5.73	0.043													
							17.5	13.1	6.04	5.79	0.042													
Martin	4	A	51397	134518	4.18	1.63	----	----	----	----	----	5.57	12.0	8.9	<1.0	<1.0	<0.015	0.15	<0.15	0.07	0.004	7.74	51	<1
							0.1	22.71	6.38	9.01	0.033													
							1	22.44	6.81	9.02	0.035													
							1.5	21.77	6.85	8.94	0.033													
							2	21.1	6.81	8.89	0.034													
							3	20.73	6.67	8.25	0.035													
							4	20.28	6.54	7.75	0.036													
							5	20.02	6.38	7.43	0.032													
							6	19.41	6.4	7.1	0.039													
							7	18.9	6.31	6.78	0.039													
							8	18.7	6.27	6.63	0.046													
							9	18.57	6.23	6.45	0.038													
							10	18.16	6.18	5.76	0.041													
							11	17.85	6.19	5.75	0.055													
							12	17.51	6.18	5.5	0.059													
							13	17.23	6.17	5.44	0.055													
							14	16.9	6.15	4.99	0.06													
							15	16.73	6.15	5.71	0.042													
							16	15.98	6.08	4.21	0.055													
							17	15.5	6.04	3.47	0.045													
							17.5	15.46	6.03	3.2	0.042													
Martin	4	B	51397	141050	1.66	4.28	----	----	----	----	----	5.73	12.0	9.6	1.0	<1.0	<0.015	0.15	<0.15	0.06	0.004	6.41	49	1*
							0.1	22.73	6.44	8.79	0.035													
							1	22.59	6.65	8.81	0.035													
							1.5	21.59	6.76	8.81	0.034													
							2	21.2	6.79	8.7	0.034													
							3	20.7	6.64	8.17	0.035													
							4	20.13	6.48	7.42	0.034													
							5	19.92	6.39	7.24	0.034													
							6	19.22	6.33	6.82	0.037													
							7	18.86	6.25	6.6	0.039													
							8	18.68	6.22	6.39	0.039													
							9	18.42	6.2	6.18	0.042													
							10	18.19	6.18	5.75	0.044													

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							11	17.76	6.18	5.68	0.05													
							12	17.36	6.18	5.62	0.051													
							13	17.04	6.16	5.04	0.054													
							14	16.89	6.14	5.3	0.051													
							15	16.55	6.12	4.5	0.053													
							16	15.86	6.06	3.96	0.051													
							17	15.46	6.03	3.29	0.052													
							17.5	15.44	6.01	3.11	0.052													
Martin	4	A	61897	142234	1.85	4.13	----	----	----	----	----	4.24	14.0	10.3	47.0	2.0	<0.015	0.09	<0.15	0.008	0.005	6.68	49	10*
							0.1	25.71	6.89	7.81	0.036													
							1	25.67	7.04	7.79	0.037													
							1.5	25.65	7.13	7.75	0.039													
							2	25.54	7.17	7.72	0.04													
							3	25.3	7.16	7.57	0.04													
							4	25.09	7.07	7.35	0.041													
							5	24.65	7.02	7.22	0.042													
							6	24.34	6.95	7.23	0.04													
							7	23.39	6.85	7.1	0.032													
							8	22.74	6.73	6.98	0.039													
							9	22.69	6.68	6.9	0.039													
							10	22.51	6.64	6.89	0.039													
							11	22.5	6.62	6.9	0.039													
							12	22.43	6.59	6.89	0.04													
							13	21.24	6.45	5.55	0.038													
							14	19.96	6.31	4.38	0.044													
							15	18.71	6.25	3.42	0.046													
							16	17.73	6.19	2.1	0.043													
							17.1	17.43	6.19	1.65	0.046													
Martin	4	B	61897	144004	1.87	4.22	----	----	----	----	----	4.15	15.0	9.6	74.0	1.0	<0.015	0.02	<0.150	0.014	0.004	8.28	51	7*
							0.1	25.74	7.14	7.54	0.035													
							1	25.69	7.2	7.56	0.035													
							1.5	25.65	7.22	7.56	0.04													
							2	25.56	7.25	7.54	0.044													
							3.1	25.28	7.22	7.4	0.038													
							4	25.2	7.14	7.28	0.043													
							5	25.04	7.09	7.21	0.041													
							6	24.08	6.97	7.05	0.033													

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							7	23.14	6.84	6.9	0.04													
							8	22.76	6.76	6.89	0.037													
							9	22.64	6.72	6.82	0.034													
							10	22.53	6.69	6.84	0.04													
							11	22.51	6.65	6.86	0.04													
							12	22.34	6.62	6.8	0.027													
							13	21.43	6.51	6.04	0.039													
							14	19.88	6.39	4.29	0.046													
							15	18.6	6.32	3.4	0.058													
							16	17.72	6.25	2.14	0.059													
							17.1	17.43	6.22	1.64	0.063													
Martin	4	A	72397	122338	1.55	4.63	----	----	----	----	----	3.87	14	9.3	6	<1.0	<0.015	0.09	<0.15	0.07	0.004	8.54	52	10*
							0.3	29.99	6.49	7.02	0.039													
							1	29.73	6.87	7.07	0.04													
							1.5	29.65	7.03	7.11	0.039													
							2	29.57	7.2	7.18	0.038													
							3	29.41	7.29	7.09	0.041													
							4	29.27	7.16	6.73	0.037													
							5	29.17	7.05	6.53	0.041													
							6	29.16	6.94	6.42	0.041													
							7	28.68	6.82	6.01	0.041													
							8	27.59	6.6	4.95	0.044													
							9	27.34	6.47	4.65	0.031													
							10	25.28	6.38	2.88	0.049													
							11	23.55	6.19	1.69	0.045													
							12	22.93	6.08	1.83	0.051													
							13	22.28	6.04	1.43	0.049													
							14	21.35	5.97	0.87	0.043													
							15	20.95	5.97	0.17	0.043													
							16	20.56	5.99	0.11	0.053													
							17	19.77	6.11	0.1	0.052													
							17.4	19.46	6.1	0.08	0.063													
Martin	4	B	72397	123509	1.6	4.16	----	----	----	----	----	3.83	13	8.6	5	<1.0	<0.015	0.09	<0.15	0.06	0.005	12.8	56	7*
							0.3	30.01	7.18	6.92	0.038													
							1	29.91	7.34	6.94	0.037													
							1.5	29.71	7.39	6.99	0.038													
							2	29.67	7.43	7.02	0.037													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							3	29.41	7.42	7.03	0.037													
							4	29.25	7.29	6.62	0.041													
							5	29.17	7.06	6.44	0.036													
							6	29.17	7.01	6.36	0.037													
							7	28.68	6.83	5.95	0.042													
							7	28.72	6.71	5.95	0.038													
							8	27.57	6.52	4.93	0.039													
							9	27.36	6.43	4.63	0.038													
							10	24.79	6.33	2.47	0.053													
							11	23.52	6.2	1.53	0.06													
							12	22.93	6.15	1.83	0.053													
							13	22.21	6.08	1.62	0.063													
							14	21.42	6.02	1.01	0.044													
							15	21.05	6.02	0.2	0.05													
							16	20.45	6.04	0.14	0.062													
							17	19.72	6.08	0.08	0.076													
							17.3	19.57	6.12	0.07	0.055													
Martin	4	A	81497	123948	1.97	6.8	----	----	----	----	----	2.18	14	9.7	33	2	<0.015	0.06	0.87	0.04	0.002	9.61	53	<1
							0.2	30.82	7.63	8.4	0.039													
							1	30.63	8	8.46	0.039													
							1.5	30.17	8.17	8.6	0.039													
							2	29.13	8.36	9.09	0.042													
							3	28.66	8.32	8.72	0.042													
							4	28.18	8.18	8.11	0.04													
							5	27.78	7.97	7.17	0.044													
							6	27.32	7.71	6.6	0.042													
							7	27.04	7.5	6.42	0.033													
							8	26.74	7.31	6.55	0.039													
							9	26.51	7.14	6.7	0.042													
							10	25.68	7.06	6.22	0.041													
							11	25.34	6.94	6.09	0.041													
							12	25.22	6.81	5.85	0.04													
							13	23.93	6.58	1.74	0.039													
							14	22.52	6.32	0.24	0.044													
							15	22.14	6.23	0.13	0.046													
							16	21.52	6.22	0.1	0.052													
							17	21.19	6.25	0.09	0.053													
							17.5	21.01	6.25	0.09	0.055													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+ NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
Martin	4	B	81497	125102	1.91	6.43	----	----	----	----	----	2.21	15	9.7	560	1	<0.015	0.05	0.7	0.04	0.004	8.01	51	<1
							0.2	30.76	8.23	8.43	0.04													
							1	30.7	8.26	8.45	0.043													
							1.5	30.41	8.31	8.6	0.039													
							2	29.31	8.42	9.07	0.041													
							3	28.37	8.36	8.52	0.042													
							4	28.02	8.13	7.78	0.043													
							5	27.75	7.93	7.09	0.041													
							6	27.32	7.62	6.61	0.037													
							7	27.06	7.38	6.49	0.039													
							8	26.71	7.2	6.49	0.04													
							9	26.5	7.03	6.56	0.042													
							10	25.57	6.83	6.19	0.04													
							11	25.32	6.69	6.12	0.036													
							12	25.32	6.63	6.08	0.033													
							13	24.52	6.5	3.07	0.045													
							14	22.63	6.3	0.46	0.039													
							15	22.09	6.19	0.15	0.045													
							16	21.47	6.21	0.11	0.05													
							17	21.17	6.25	0.1	0.057													
							17.5	21.09	6.26	0.09	0.054													
Martin	4	A	91797	132029	2.95	7.38	----	----	----	----	----	1.97	15	10	285	<1.0	<0.015	<0.003	<0.15	0.06	0.003	8.28	51	<1
							0.3	28.65	7.37	7.95	0.041													
							1	27.96	7.53	8.12	0.041													
							1.5	27.83	7.57	8.06	0.041													
							2	27.63	7.51	7.99	0.04													
							3	27.51	7.54	8.03	0.041													
							4	27.44	7.32	7.61	0.04													
							5	27.38	7.03	7.24	0.04													
							6	27.33	6.9	6.88	0.041													
							7	27.2	6.6	6	0.04													
							8	27.08	6.53	5.93	0.04													
							9	27.09	6.51	5.93	0.04													
							10	26.96	6.47	5.84	0.04													
							11	26.69	6.33	4.91	0.04													
							12	26.17	6.22	4.16	0.04													
							13	25.49	6.14	0.93	0.051													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+ NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							14	24.2	6.21	0.13	0.06													
							15	23.1	6.34	0.09	0.066													
							16	22.33	6.47	0.07	0.074													
							16.8	21.95	6.53	0.07	0.077													
Martin	4	B	91797	134023	3.06	7.41	----	----	----	----	----	2.09	16	9.7	476	<1.0	<0.015	<0.003	<0.15	0.04	<0.004	8.28	51	3*
							0.3	29.01	7.56	7.87	0.041													
							1	27.92	7.64	8.08	0.041													
							1.5	27.8	7.67	8.04	0.04													
							2	27.63	7.57	7.99	0.04													
							3	27.5	7.56	7.96	0.04													
							4	27.4	7.33	7.49	0.04													
							5	27.36	7.02	7.06	0.041													
							6	27.3	6.76	6.42	0.041													
							7	27.21	6.59	6.03	0.04													
							8	27.13	6.48	5.76	0.04													
							9	27.06	6.47	5.86	0.04													
							10	26.92	6.45	5.69	0.04													
							11	26.67	6.35	4.96	0.04													
							12	26.22	6.23	4.14	0.041													
							13	25.58	6.14	1.31	0.05													
							14	24	6.25	0.07	0.06													
							15	23.08	6.36	0.05	0.069													
							16	22.56	6.43	0.05	0.071													
							16.5	22.04	6.51	0.06	0.074													
Harris	1	A	41797	----	1.53	3.7	----	----	----	----	----	7.99	10.0	7.9	44.0	<1.0	<0.015	0.19	<0.15	0.06	0.008	3.47	43	<1
							0.1	18.58	6.37	8.92	0.032													
							1	18.54	6.43	8.93	0.032													
							1.5	18.41	6.42	8.84	0.031													
							2	17.52	6.32	8.39	0.032													
							3	17.44	6.28	8.35	0.032													
							4	17.39	6.27	8.31	0.032													
							5	17.34	6.26	8.25	0.032													
							6	17.32	6.25	8.25	0.032													
							7	17.19	6.23	8.19	0.032													
							8	17.12	6.25	8.12	0.032													
							9	16.92	6.2	7.98	0.032													
							10	16.89	6.17	7.91	0.032													

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							11	16.57	6.09	7.52	0.032													
							12	16.33	6.03	7.17	0.033													
							13	16.12	5.99	6.94	0.032													
							14	15.27	5.91	6.47	0.034													
							15	14.77	5.85	6.15	0.034													
							16	14.66	5.84	6.08	0.034													
							17	14.19	5.85	6.03	0.034													
							18	13.96	5.83	6	0.035													
							19	13.54	5.82	5.92	0.035													
							20	13.02	5.79	5.87	0.034													
							25	9.8	5.79	6.32	0.038													
							30	8.87	5.78	5.88	0.04													
							33.1	8.67	5.76	5.18	0.04													
Harris	1	A	51497	75837	2.18	4.6	----	----	----	----	----	4.05	11.0	9.2	41.0	<1.0	<0.015	0.12	<0.15	0.06	<0.004	5.07	46	<1
							0.1	21.15	6.38	10.14	0.032													
							1	21.16	6.71	9.86	0.03													
							1.5	21.18	6.78	9.79	0.032													
							2	21.15	6.84	9.76	0.031													
							3	21.14	6.89	9.71	0.031													
							4	20.81	6.86	9.5	0.03													
							5	20.32	6.76	9.18	0.034													
							6	19.67	6.65	8.41	0.031													
							7	17.97	6.37	7.41	0.035													
							8	17.48	6.24	7.13	0.037													
							9	16.99	6.13	6.57	0.039													
							10	16.72	6.06	6.38	0.035													
							11	16.45	6.01	6.21	0.038													
							12	16.2	5.95	5.94	0.033													
							13	16.01	5.92	5.79	0.036													
							14	15.78	5.91	5.69	0.035													
							15	15.59	5.89	5.54	0.041													
							16	15.39	5.87	5.34	0.035													
							17	15.31	5.86	5.25	0.042													
							18	15.1	5.84	4.96	0.048													
							19	14.81	5.79	4.52	0.05													
							20	14.4	5.74	4.01	0.043													
							25	10.96	5.71	4.19	0.036													
							30	9.24	5.74	4.18	0.049													

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Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							35	8.92	5.72	3.18	0.064													
							38.1	8.78	5.73	2.09	0.055													
Harris	1	A	61997	82429	2.35	5.25	----	----	----	----	----	2.62	14.0	9.5	79.0	<1.0	<0.015	0.02	<0.15	<0.004	<0.004	4.81	46	<1
							0.2	24.71	7.83	8.59	0.032													
							1	24.65	8.04	8.61	0.031													
							1.5	24.67	8.21	8.57	0.037													
							2	24.6	8.24	8.59	0.031													
							3	24.49	8.24	8.62	0.035													
							4	22.93	7.77	8.4	0.031													
							5	21.66	7.47	7.03	0.031													
							6	21.15	7.16	6.26	0.035													
							7	20.5	6.86	5.27	0.042													
							8	19.83	6.59	4.46	0.04													
							9	19.11	6.46	3.84	0.04													
							10	18.74	6.33	3.68	0.036													
							11	18.43	6.25	3.57	0.036													
							12	18.16	6.18	3.37	0.034													
							13	17.72	6.15	3.22	0.037													
							14	17.14	6.17	3.27	0.034													
							15	16.7	6.15	3.33	0.035													
							16	16.53	6.13	3.33	0.04													
							17	16.08	6.11	3.32	0.037													
							18	15.86	6.12	3.23	0.037													
							19	15.71	6.1	3.19	0.04													
							20	15.28	6.09	2.97	0.04													
							25	11.66	6.03	2.57	0.043													
							30	9.86	6.06	2.54	0.041													
							35	9.34	6.04	1.1	0.042													
							38.4	9.01	6.05	0.3	0.037													
Harris	1	A	72497	84107	2.38	5.64	----	----	----	----	----	2.23	12	8.6	33	<1.0	<0.015	0.1	<0.15	0.06	0.002	14.4	57	<1
							0.3	28.54	7.58	8.05	0.035													
							1	28.54	7.64	8.07	0.035													
							1.5	28.55	7.75	8.06	0.035													
							2	28.54	7.82	8.06	0.035													
							3	28.35	7.79	8.08	0.035													
							4	27.69	7.65	8.07	0.036													
							5	26.08	7.44	6.83	0.039													

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Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							6	24.67	6.54	2.77	0.039													
							7	23.36	6.11	1.43	0.038													
							8	23.05	5.99	1.2	0.038													
							9	22.48	5.96	1.12	0.038													
							10	21.8	5.94	1.23	0.038													
							11	21.26	5.93	1.37	0.038													
							12	20.61	5.92	1.51	0.041													
							13	20.35	5.9	1.47	0.04													
							14	19.48	5.9	1.34	0.042													
							15	18.76	5.89	1.29	0.042													
							16	18.38	5.88	1.25	0.046													
							17	17.65	5.87	1.21	0.038													
							18	16.81	5.86	1.18	0.047													
							19	16.19	5.86	1.17	0.034													
							20	15.7	5.84	1.07	0.055													
							25	11.85	5.77	1.2	0.024													
							30	9.82	5.8	0.91	0.036													
							35	9.52	5.76	0.1	0.022													
							38.2	9.28	5.79	0.09	0.024													
Harris	1	A	81497	84757	2.13	6.32	----	----	----	----	----	2.03	13	10.5	218	1	<0.015	0.06	0.6	0.03	0.001	10.1	53	<1
							0.3	27.64	6.19	8.39	0.034													
							1	27.57	6.76	8.56	0.034													
							1.5	27.56	7.07	8.56	0.034													
							2	27.54	7.33	8.54	0.034													
							3	27.38	7.35	8.3	0.034													
							4	26.79	7.27	7.82	0.035													
							5	26.58	7.11	6.79	0.035													
							6	25.95	6.61	3.32	0.036													
							7	24.67	6.07	0.43	0.037													
							8	24.2	5.88	0.19	0.038													
							9	23.78	5.86	0.13	0.039													
							10	23.12	5.85	0.12	0.038													
							11	22.34	5.86	0.11	0.038													
							12	21.34	5.84	0.09	0.038													
							13	20.73	5.83	0.13	0.038													
							14	20.16	5.85	0.16	0.038													
							15	19.48	5.84	0.16	0.039													
							16	18.64	5.86	0.14	0.04													

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Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+ NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							17	17.62	5.85	0.09	0.04													
							18	16.96	5.84	0.09	0.041													
							19	16.3	5.84	0.09	0.041													
							20	15.52	5.84	0.07	0.042													
							25	11.49	5.81	0.76	0.041													
							30	9.88	5.83	0.13	0.044													
							35	9.44	5.86	0.07	0.046													
							37.9	9.34	5.97	0.07	0.057													
Harris	1	A	91897	82358	2.9	6.95	----	----	----	----	----	1.85	14	9.7	36	<1.0	<0.015	0.02	<0.15	0.02	0.005	6.68	49	<1
							0.3	27.1	6.86	8.08	0.035													
							1	27.14	6.99	8.08	0.037													
							1.5	27.12	7.09	8.06	0.034													
							2	27.14	7.09	8.04	0.035													
							3	26.95	7.06	7.98	0.035													
							4	26.63	6.52	6.46	0.035													
							5	26.36	6.21	5	0.036													
							6	25.95	5.9	1.36	0.037													
							7	25.13	5.82	0.11	0.037													
							8	24.54	5.8	0.1	0.037													
							9	24.16	5.8	0.09	0.037													
							10	23.72	5.8	0.09	0.038													
							11	23.21	5.81	0.09	0.039													
							12	22.51	5.83	0.09	0.038													
							13	21.79	5.83	0.08	0.039													
							14	20.66	5.84	0.1	0.039													
							15	19.96	5.85	0.09	0.039													
							16	18.86	5.87	0.07	0.04													
							17	17.77	5.87	0.09	0.04													
							18	16.71	5.88	0.07	0.04													
							19	16.05	5.88	0.07	0.04													
							20	15.45	5.89	0.08	0.04													
							25	11.36	5.84	0.12	0.039													
							30	9.8	5.94	0.1	0.044													
							35	9.62	6.27	0.09	0.065													
							35	9.64	6.31	0.09	0.066													
							37	9.59	6.59	0.07	0.096													
Harris	2	A	41797	----	0.95	2.98	----	----	----	----	----	11.5	10.0	8.9	38.0	3.0	<0.015	0.16	<0.15	0.08	0.006	13.62	56	3

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							0.1	18.51	6.24	9.31	0.034													
							1	18.42	6.39	9.29	0.035													
							1.5	18.3	6.45	9.22	0.035													
							2	18.11	6.45	9.14	0.035													
							3	17.8	6.42	8.88	0.035													
							4	17.24	6.25	8.12	0.034													
							5	17.15	6.16	7.83	0.033													
							6	17.09	6.07	7.51	0.032													
							7	17	6.02	7.4	0.031													
							8	16.7	6.01	7.59	0.032													
							9	16.58	6.03	7.72	0.033													
							10	16.43	6.03	7.7	0.033													
							11	16.08	6.05	7.64	0.034													
							12	15.96	6.04	7.55	0.033													
							13	15.76	6.02	7.37	0.033													
							14	15.5	5.98	6.95	0.033													
							15	15.23	5.94	6.35	0.036													
							16	14.93	5.9	6.03	0.037													
							17	14.65	5.86	5.63	0.038													
							18	14.37	5.8	5.04	0.038													
							19	14.1	5.78	4.75	0.038													
							20	13.71	5.76	4.3	0.038													
							25	10.49	5.82	0.82	0.051													
							26.6	10.11	5.83	0.72	0.052													
Harris	2	A	51497	103511	2.14	5.19	----	----	----	----	----	3.88	12.0	9.7	44.0	2.0	<0.015	0.09	<0.15	0.08	<0.004	7.74	51	<1
							0.1	22.06	7.44	10.62	0.033													
							1	21.91	7.55	10.55	0.033													
							1.5	21.77	7.58	10.49	0.033													
							2	21.71	7.64	10.34	0.034													
							3	21.42	7.61	10.22	0.033													
							4	20.28	7.21	9.1	0.034													
							5	19.18	6.84	7.78	0.034													
							6	18.42	6.61	7.18	0.034													
							7	18.04	6.46	6.91	0.034													
							8	17.58	6.29	6.81	0.034													
							9	17.19	6.18	6.76	0.034													
							10	16.97	6.11	6.81	0.034													
							11	16.7	6.1	6.96	0.034													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							12	16.35	6.09	7.01	0.035													
							13	16.06	6.06	6.46	0.036													
							14	15.74	6	5.89	0.038													
							15	15.59	5.96	5.77	0.038													
							16	15.36	5.94	6.23	0.037													
							17	15.14	5.93	5.92	0.037													
							18	15	5.94	6.26	0.037													
							19	14.93	5.92	6.1	0.037													
							20	14.68	5.87	5.06	0.038													
							24.5	11.93	5.85	0.1	0.054													
Harris	2	A	61997	103928	1.85	4.04	----	----	----	----	----	8.69	13.0	10.0	82.0	3.0	<0.015	0.01	<0.150	<0.004	0.005	6.68	49	1*
							0.3	26.04	7.41	9	0.034													
							1	25.48	7.88	9.08	0.034													
							1.5	25.35	8.1	9.04	0.034													
							2	25.3	8.21	8.93	0.035													
							3	24.5	7.68	7.96	0.035													
							4	23.39	7.16	6.66	0.034													
							5	22.07	6.73	5.64	0.034													
							6	21.66	6.53	5.37	0.035													
							7	21.24	6.38	5.24	0.035													
							8	21.03	6.35	5.19	0.035													
							9	19.96	6.36	5.41	0.037													
							10	19.39	6.29	3.33	0.04													
							11	18.91	6.31	5.03	0.038													
							12	18.57	6.28	4.59	0.038													
							13	17.87	6.19	2.44	0.039													
							14	17.26	6.11	1.82	0.04													
							15	16.64	6.1	2.38	0.039													
							16	16.08	6.09	2.71	0.038													
							17	15.78	6.07	2.37	0.038													
							18	15.49	6.04	1.85	0.039													
							19	15.21	6.04	1.52	0.039													
							20	14.91	6.02	0.79	0.04													
							25	11.91	6.19	0.2	0.077													
							27.6	10.8	6.38	0.16	0.092													
Harris	2	A	72497	105809	1.4	4.85	----	----	----	----	----	4.68	14	9.5	<1.0	5	<0.015	0.09	<0.15	0.07	0.002	8.01	51	4*
							0.2	29.43	7.19	7.84	0.036													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							1	29.39	7.45	7.84	0.038													
							1.5	29.37	7.53	7.78	0.035													
							2	29.19	7.37	7.28	0.036													
							3	29.01	7.18	7.07	0.036													
							4	28.83	6.93	6.37	0.034													
							5	27.47	6.6	4.79	0.037													
							6	26.28	6.34	3.33	0.041													
							7	25.06	6.24	2.31	0.037													
							8	24.28	6.13	1.72	0.044													
							9	23.31	6	1.62	0.033													
							10	22.22	5.96	1.55	0.042													
							11	21.43	5.95	1.82	0.038													
							12	20.7	5.96	1.59	0.043													
							13	20.02	5.95	0.85	0.042													
							14	19.35	5.95	0.42	0.039													
							15	18.67	5.95	0.33	0.036													
							16	17.82	5.97	0.07	0.036													
							17	17.18	5.97	0.08	0.049													
							18	16.5	5.99	0.07	0.032													
							19	16.02	6.02	0.06	0.049													
							20	15.35	6.03	0.05	0.051													
							25	11.75	6.37	0.07	0.077													
							27.8	11.26	6.57	0.05	0.109													
Harris	2	A	81497	110035	1.89	4.86	----	----	----	----	----	2.86	12	9.5	125	1	<0.015	0.06	0.7	0.03	0.003	12.8	56	<1
							0.3	28.53	6.37	8.5	0.035													
							1	28.17	7.05	8.65	0.036													
							1.5	27.98	7.39	8.66	0.036													
							2	27.82	7.44	8.54	0.037													
							3	27.05	7.4	8.24	0.033													
							4	26.6	7.24	6.77	0.032													
							5	26.05	7.03	4.21	0.035													
							6	25.45	6.51	3.16	0.042													
							7	24.95	6.27	3.05	0.046													
							8	24.52	6.14	3.05	0.043													
							9	23.88	6.08	3.14	0.041													
							10	23.35	6.05	2.76	0.034													
							11	22.94	6.01	2.14	0.037													
							12	22.05	5.88	0.49	0.039													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+ NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							13	21.12	5.77	0.23	0.047													
							14	20.21	5.82	0.13	0.032													
							15	19.38	5.85	0.1	0.05													
							16	18.38	5.85	0.1	0.035													
							17	17.55	5.89	0.07	0.05													
							18	16.71	5.93	0.07	0.049													
							19	16.03	5.94	0.05	0.039													
							20	15.48	5.95	0.08	0.053													
							25	11.98	6.46	0.08	0.109													
							27	11.22	6.63	0.07	0.115													
Harris	2	A	91897	105235	2.79	6.59	----	----	----	----	----	2.36	15	10.6	41	3	<0.015	0.01	<0.15	0.02	0.004	8.81	52	<1
							0.3	27.05	6.99	8.42	0.035													
							1	27.03	7.17	8.49	0.036													
							1.5	27	7.25	8.53	0.036													
							2	26.98	7.38	8.49	0.036													
							3	26.73	7.28	8.17	0.036													
							4	26.45	6.67	6.28	0.037													
							5	26.33	6.5	6.37	0.037													
							6	25.61	6.08	2.72	0.041													
							7	24.95	5.98	1.27	0.043													
							8	24.56	5.98	1.21	0.044													
							9	24.14	6	1.33	0.045													
							10	23.7	6.02	0.57	0.047													
							11	23.34	5.97	0.34	0.045													
							12	22.57	5.93	0.12	0.041													
							13	21.75	5.92	0.1	0.041													
							14	20.61	5.92	0.08	0.041													
							15	19.5	5.95	0.08	0.042													
							16	18.72	6	0.09	0.045													
							17	17.65	6.05	0.08	0.046													
							18	16.79	6.11	0.09	0.05													
							19	16.08	6.18	0.07	0.054													
							20	15.42	6.24	0.08	0.06													
							25	11.78	6.77	0.08	0.123													
							26.5	11.45	6.91	0.05	0.132													
Harris	3	A	41797	----	0.67	2.57	----	----	----	----	----	15.6	14.0	10.0	32.0	8.0	<0.015	0.13	<0.15	0.09	0.008	2.14	38	25
							0.1	16.38	6.32	9.29	0.038													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							1	16.29	6.39	9.34	0.038													
							1.5	16.25	6.44	9.39	0.037													
							2	16.16	6.45	9.32	0.037													
							3	15.8	6.44	9.32	0.037													
							4	15.35	6.42	9.24	0.038													
							5	15.28	6.41	9.18	0.038													
							6	15.22	6.4	9.14	0.038													
							7	15.1	6.38	9	0.037													
							7.4	15.08	6.38	8.98	0.037													
Harris	3	A	51497	114239	1.01	3.05	----	----	----	----	----	9.23	13.0	11.1	75.0	1.0	<0.015	0.08	<0.15	0.12	<0.004	20.3	60	6*
							0.1	20.64	7.45	11.01	0.035													
							1	20.23	7.47	10.95	0.034													
							1.5	19.67	7.41	10.89	0.033													
							2	19.45	7.18	10.28	0.034													
							3	19.34	6.97	9.67	0.039													
							4	18.9	6.77	9.18	0.038													
							5	18.74	6.67	9.07	0.038													
							6	18.38	6.5	8.04	0.042													
							7	17.87	6.36	7.5	0.045													
							7.2	17.85	6.3	7.36	0.044													
Harris	3	A	61997	113905	0.57	1.5	----	----	----	----	----	34.1	15.0	12.1	97.0	14.0	<0.015	0.18	<0.150	0.01	0.01	2.14	38	163
							0.3	24.85	6.33	7.62	0.036													
							1	21.59	6.42	7.76	0.034													
							1.5	21.34	6.45	7.66	0.039													
							2	21.31	6.45	7.62	0.038													
							3	21.26	6.46	7.57	0.033													
							4	21.27	6.45	7.51	0.04													
							5	21.2	6.48	7.43	0.038													
							6	21.2	6.47	7.41	0.035													
							7	21.19	6.44	7.34	0.035													
							8	21.15	6.46	7.27	0.035													
							9	21.12	6.42	7.14	0.032													
							9.3	21.12	6.4	7.09	0.035													
Harris	3	A	72497	120902	0.16	0.81	----	----	----	----	----	84.2	11	8.7	20	42	<0.015	0.28	<0.15	0.14	0.017	3.2	42	>1590
							0.3	25.2	6.09	6.62	0.033													
							1	24.71	6.12	6.65	0.033													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							1.5	24.87	6.11	6.54	0.033													
							2	24.59	6.12	6.54	0.035													
							3	24.6	6.11	6.51	0.033													
							4	24.52	6.13	6.59	0.033													
							5	24.5	6.11	6.57	0.032													
							6	24.49	6.13	6.53	0.033													
							7	24.49	6.11	6.46	0.03													
							8	24.49	6.12	6.44	0.034													
Harris	3	A	81497	120010	1.39	3.66	----	----	----	----	----	4.1	13	10.0	25	2	<0.015	0.06	0.98	0.023	0.004	14.4	57	<3
							0.2	28.99	6.72	8.67	0.037													
							1	27.84	7.47	9.04	0.037													
							1.5	27.58	7.56	8.82	0.035													
							2	27.4	7.52	8.52	0.037													
							3	26.56	7.28	7.72	0.036													
							4	25.19	7.1	7.04	0.041													
							5	24.37	6.97	6.79	0.043													
							6	23.88	6.77	6.31	0.042													
							7	23.66	6.68	6.22	0.044													
							8	23.55	6.58	6.02	0.044													
Harris	3	A	91897	115106	2.04	4.69	----	----	----	----	----	4.15	14	11.5	68	2	<0.015	0.01	<0.15	0.04	0.002	13.4	56	<1
							0.2	26.38	7.11	8.84	0.037													
							1	26.17	7.31	8.78	0.037													
							1.5	26.16	7.37	8.66	0.037													
							2	26.14	7.39	8.61	0.039													
							3	25.95	7.09	7.94	0.037													
							4	25.59	6.9	7.6	0.041													
							5	24.87	6.69	6.94	0.044													
							6	23.56	6.49	6.28	0.052													
							7	23.2	6.39	5.81	0.049													
							8	23.03	6.36	5.59	0.056													
							8.2	23	6.34	5.53	0.054													
Harris	4	A	41797	----	1.55	4.56	----	----	----	----	----	3.98	13.0	8.8	31.0	1.0	<0.015	0.24	0.19	0.07	0.002	9.61	53	<1
							0.1	18.53	6.89	9.69	0.039													
							1	18.41	7.05	9.77	0.039													
							1.5	18.41	7.11	9.74	0.039													
							2	18.31	7.1	9.72	0.039													

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							3	18.1	6.96	9.32	0.039													
							4	17.52	6.66	8.53	0.039													
							5	17.27	6.46	7.94	0.039													
							6	17.01	6.33	7.6	0.04													
							7	16.87	6.27	7.47	0.041													
							8	16.6	6.24	7.28	0.041													
							9	16.45	6.17	6.92	0.041													
							10	16.25	6.11	6.55	0.042													
							11	15.93	6.03	5.75	0.042													
							12	15.73	5.99	5.4	0.041													
							13	15.36	5.95	4.44	0.043													
							14	15.21	5.94	4.11	0.043													
							15	15.13	5.92	3.8	0.043													
							16	14.92	5.89	2.92	0.044													
							16.7	14.57	5.87	1.99	0.046													
Harris	4	A	51497	94316	1.67	4.7	----	----	----	----	----	4.07	12.0	9.8	9.0	3.0	<0.015	0.11	<0.15	0.07	0.004	14.7	57	#VALUE!
							0.1	21.87	8.28	10.56	0.036													
							1	21.71	8.35	10.56	0.035													
							1.5	21.52	8.35	10.54	0.04													
							2	21.43	8.34	10.56	0.035													
							3	21.08	8.24	10.34	0.035													
							4	20.58	7.66	9.43	0.035													
							5	19.42	7.28	6.69	0.039													
							6	18.5	6.94	6.19	0.037													
							7	17.93	6.74	5.98	0.041													
							8	17.71	6.56	5.92	0.042													
							9	17.37	6.41	5.9	0.037													
							10	16.82	6.33	5.89	0.04													
							11	16.62	6.22	5.97	0.033													
							12	16.25	6.14	5.93	0.045													
							13	16.05	6.05	5.52	0.046													
							14	15.88	5.93	4.96	0.045													
							15	15.7	5.85	4.25	0.048													
							16	15.58	5.79	3.43	0.047													
							17	15.46	5.77	3.05	0.048													
							18	15.31	5.72	2.23	0.056													
Harris	4	A	61997	94630	2.14	4.8	----	----	----	----	----	9.04	13.0	10.2	69.0	2.0	<0.015	0.18	<0.150	0.02	<0.004	6.41	49	1*

Reservoir Water Quality Monitoring Program
Tallapoosa River Basin

Reservoirs	Sta	Rep	Date MMDDYY	Time HHMMSS	00078 Secchi m	85328 Photic-zone m	Depth m	00010 Temp degC	00400 pH units	00300 DO mg/l	00095 SpCond mS/cm	82078 Turb NTU	00410 Alk mg/l	00900 Hard mg/l	00515 TDS mg/l	00530 TSS mg/l	00610 NH3-N mg/l	00620 NO3+NO2 mg/l	00625 TKN mg/l	00650 Total P mg/l	00660 Ortho P mg/l	32211 Chl.a ug/l	85329 TSI	31613 Colif. per 100ml
							0.2	25.74	7.78	9.06	0.038													
							1	25.46	7.99	8.97	0.038													
							1.5	25.39	8	8.83	0.036													
							2	25.32	7.76	8.51	0.038													
							3	25	7.51	8.17	0.034													
							4	23.74	6.89	5.99	0.037													
							5	22.68	6.59	5.22	0.044													
							6	22.02	6.42	4.91	0.037													
							7	21.59	6.27	4.78	0.04													
							8	21.01	6.18	4.54	0.039													
							9	20.43	6.16	4.49	0.036													
							10	19.82	6.13	4.19	0.039													
							11	19.22	6.13	3.96	0.039													
							12	18.79	6.09	3.07	0.051													
							13	18.45	6.08	2.16	0.046													
							14	17.89	5.99	0.55	0.053													
							15	17.45	5.99	0.16	0.052													
							16	16.81	6.05	0.13	0.061													
							17	16.35	6.11	0.11	0.065													
							18	16.08	6.22	0.11	0.054													
							19	15.58	6.35	0.1	0.071													
							19.2	15.47	6.38	0.09	0.06													
Harris	4	A	72497	100659	1.32	3.7	----	----	----	----	----	6.34	13	8.0	24	3	<0.015	0.12	<0.15	0.06	0.003	11.2	54	16*
							0.2	29.29	6.3	7.58	0.039													
							1	29.12	6.64	7.67	0.038													
							1.5	29.05	6.9	7.61	0.038													
							2	28.97	6.92	7.07	0.039													
							3	28.31	6.69	5.87	0.041													
							4	27.3	6.36	4.51	0.037													
							5	26.47	6.14	3.8	0.038													
							6	25.62	6.08	3.28	0.04													
							7	24.77	5.99	2.66	0.036													
							8	24.26	5.94	1.31	0.043													
							9	23.88	5.94	0.33	0.043													
							10	23.21	5.91	0.15	0.037													
							11	22.49	5.92	0.13	0.041													
							12	21.96	5.94	0.11	0.039													
							13	21.2	5.96	0.11	0.048													

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							14	20.45	6.02	0.1	0.042													
							15	19.77	6.19	0.09	0.058													
							16	19.34	6.26	0.08	0.058													
							17	18.55	6.35	0.1	0.082													
							18	17.84	6.44	0.08	0.076													
							18.9	16.89	6.54	0.09	0.087													
Harris	4	A	81497	101249	1.48	4.7	----	----	----	----	----	3.41	13.0	9.0	27.0	1.0	<0.015	0.08	0.67	0.03	0.004	15	57	<1
							0.3	28.07	7.23	9.2	0.039													
							1	27.86	7.76	9.21	0.035													
							1.5	27.71	8.05	9.12	0.038													
							2	27.32	7.89	8.76	0.039													
							3	26.65	7.58	6.6	0.037													
							4	26.18	7.27	4.94	0.034													
							5	25.92	6.99	3.6	0.034													
							6	25.09	6.34	1.8	0.042													
							7	24.84	6.08	1.85	0.036													
							8	24.48	5.99	1.82	0.036													
							9	23.97	5.96	1.58	0.046													
							10	23.57	5.96	1.77	0.041													
							11	22.9	5.97	1.72	0.048													
							12	22.34	5.95	0.74	0.05													
							13	21.68	6.05	0.28	0.061													
							14	20.87	6.4	0.09	0.077													
							15	20.23	6.49	0.08	0.083													
							16	18.91	6.55	0.09	0.088													
							17	18.03	6.6	0.08	0.095													
							18	17.11	6.68	0.08	0.106													
							18.5	16.91	6.71	0.07	0.105													
Harris	4	A	91897	95536	2.34	6.04	----	----	----	----	----	2.75	14	10.4	244	<1.0	<0.015	0.01	<0.15	0.02	<0.004	15.2	57	<1
							0.3	27.02	7.49	8.96	0.039													
							1	27.06	7.76	8.92	0.037													
							1.5	27.01	7.76	8.91	0.036													
							2	26.97	7.74	8.87	0.039													
							3	26.51	7.38	8.05	0.037													
							4	26.29	6.93	6.95	0.039													
							5	26.02	6.6	6.32	0.037													
							6	25.55	5.94	1.63	0.041													

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							7	25.09	5.89	0.6	0.046													
							8	24.38	5.92	1.16	0.042													
							9	24.08	5.95	2.12	0.043													
							10	23.79	5.92	0.62	0.048													
							11	23.38	6.06	0.14	0.054													
							12	22.84	6.19	0.11	0.055													
							13	21.95	6.34	0.1	0.064													
							14	21.29	6.44	0.09	0.09													
							15	19.96	6.66	0.09	0.111													
							16	19.52	6.7	0.07	0.114													
							17	18.59	6.75	0.06	0.114													
							17.6	17.84	6.82	0.07	0.12													