

# Truckee River Biomass Monitoring Program: Data Encompassing Field Studies of July 2001 to August 2002

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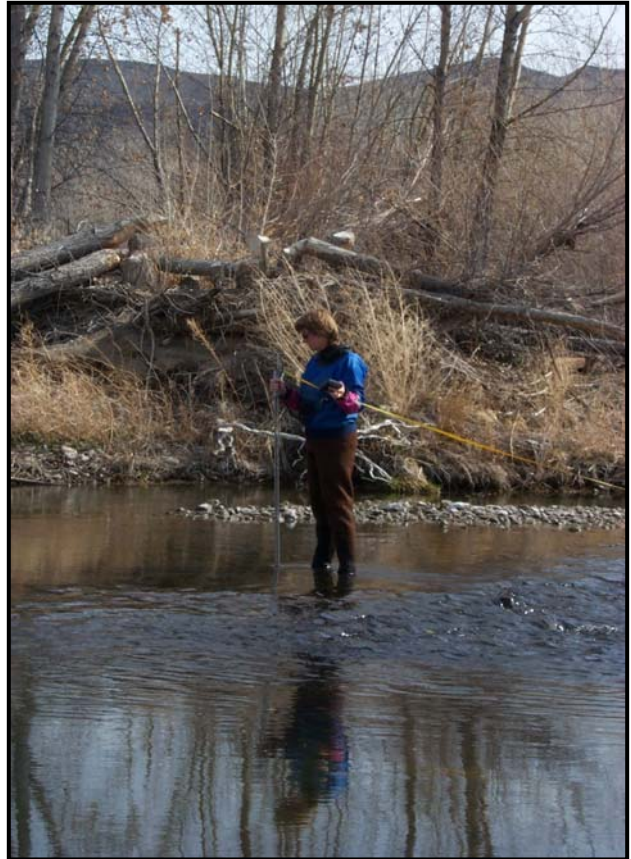
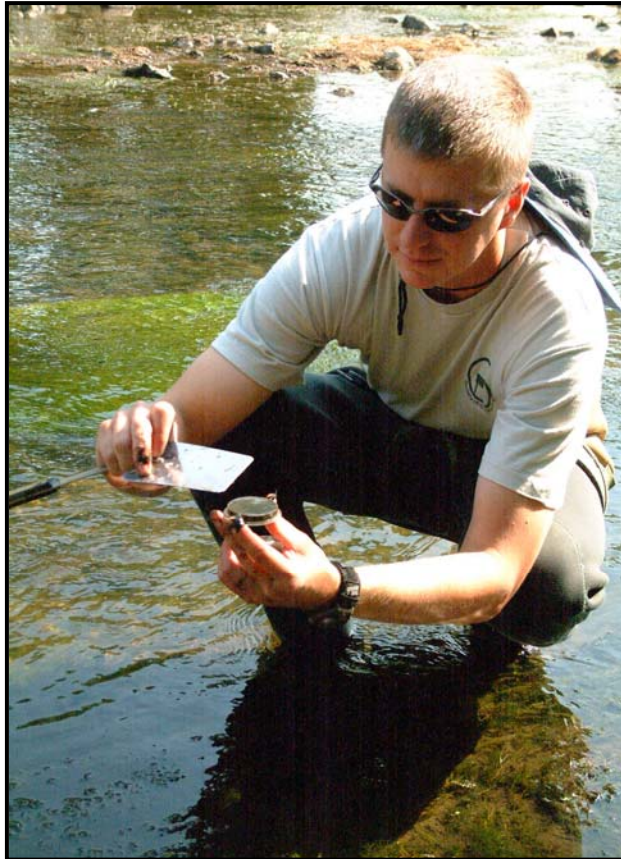


Figure 1. Jeramie Memmott collecting an epissamic sample at LOCK 5 (left, photographed by J. Doherty). Gail Prockish measuring flow at JOHN 1 (right, photographed by J. Memmott)

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## PURPOSE:

The Truckee River Biomass Monitoring (TRBM) program has collected data regarding algal biomass in the lower Truckee River [expressed as plant pigments (chlorophyll *a*), carbon, nitrogen and phosphorous] that can be used for independent analysis of ecosystem health and nutrient budgets. Furthermore, the biomass sampling program has been implemented in such a manner that the results will be used to validate water quality models and, hence, to make model formulations more scientifically defensible as management tools.

Data reported within this draft were generated as part of the second round of monthly biomass sampling that began in November 2001 and was completed as of August 2002.

## THE STUDY:

In monitoring plant and algal biomass in the lower Truckee River we conducted the following field activities:

- Samples were collected four times at eleven sites (HERS, FLEI, PATA, EMCC, LOCK, PATR, TRAC, PAIN, JOHN, DEAD, LNIX) on the Truckee River (Figure 2) and an additional six times at eight of the eleven sites (HERS, FLEI, PATA, LOCK, PATR, TRAC, JOHN, LNIX). Sampling at all eleven sites was conducted on a quarterly basis to be consistent with the previous monitoring program (July 2000 to July 2001), which also included more spatially intensive sampling for increased spatial information on a quarterly basis. Eight of the eleven sites were sampled on a monthly basis.
- During the majority of sampling, temperature, pH, specific conductance, and dissolved oxygen were recorded in real-time using YSI Incorporated sondes provided by Washoe County. River velocity measurements were made at points where samples were collected to constrain the physical flow regime of the plant communities beyond levels previously attained.
- Samples for water quality analysis were collected at each sampling site (consistent with monthly or quarterly sampling) using a depth-integrating sampler and were delivered to Truckee Meadows Water Reclamation Facility (TMWRF) for analysis. Vertical profiles of solar irradiance in the water column were conducted to constrain previously estimated light penetration values used for modeling primary productivity and in community metabolism studies.
- At each site during each round of sampling, an average of 14 periphyton samples were collected for ash free dry weight (AFDW) and chlorophyll *a*. A minimum of three samples from each site were collected for determining periphyton functional groups (e.g. blue green algae, filamentous green algae, green algae, and diatoms) that are consistent with groupings currently used in water quality models (e.g. DSSAMt). On average, five subsamples of periphyton from each site were analyzed for carbon, nitrogen, and phosphorous contents.

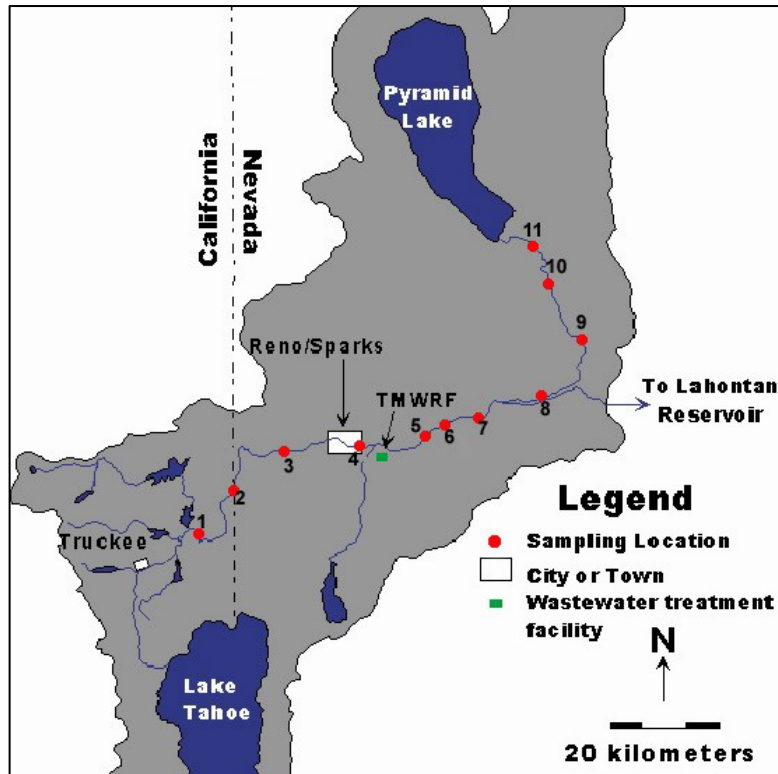


Figure 2. TRBM sampling sites. 1=HERS, 2=FLEI, 3=PATA, 4=EMCC, 5=LOCK, 6=PATR, 7=TRAC, 8=PAIN, 9=JOHN, 10=DEAD, 11=LNIX [modified from California Dept. of Water Resources (1991)].

- The aerial macrophyte coverage and biomass (expressed as AFDW per cm<sup>2</sup> when present) was documented through the combination of the line-transect method and template sampling (templates used were a Hess sampler for macrophyte beds with biomass thickness greater than 40 cm, or tripour beakers for beds less than 40 cm).
- During the four times when all eleven sites were sampled (November, February, June, August), macroinvertebrate composite samples were collected using a Hess sampler. Macro-invertebrate sampling was consistent with TMWRF's requirement for quarterly inventories of benthic macroinvertebrates.
- Analysis of particulate carbon, nitrogen, and phosphorous; AFDW; and chlorophyll *a* on periphyton samples as well as chlorophyll *a* in the water quality samples collected with the depth integrating sampler was conducted at DRI Laboratories. Macrophyte AFDW was determined on the macrophyte collections.
- Hess samples for macroinvertebrate taxonomy and abundance were delivered to the TMWRF laboratory (not taxonomically sorted). See Table 1 for dates and locations of samples taken and dates delivered to TMWRF).
- The following documents were generated from this portion of the TRBM program: a report outlining data collected and collection methods; showing primary field data in tabular form, summary statistics, recommendations on variations of protocols for future events, and a report on the effectiveness of biomass sampling for helping determine the nutrient budgets for the lower Truckee River.

**EFFECTIVE DATES OF FIELD OPERATIONS:**

The requested start date of sampling, analysis, and evaluation of biomass was October 15, 2001 and was to last until July 15, 2002. However, resources and contracts were not fully secured until late October; consequently, sampling began on November 6, 2001 and continued through August 20, 2002. This time frame allowed sampling in order to evaluate winter-time dynamics that were observed during the initial year of biomass monitoring; and allowed for continuation through August 20, 2002, which allowed sampling to cover high flow conditions as well as the low-flow, high temperature summer season (Figure 3). The total number of sites anticipated to be sampled was 90; of which, 85 were sampled during the scheduled time. However, during the time period when high flows were subsiding (June 19, 2002 to July 31, 2002), the sampling regime was augmented with weekly sampling at selected transects.

Site	Date Sampled	Date Delivered to TMWRF
EMCC	11/16/01	11/28/02
	2/5/02	02/28/02
	6/17/02	06/28/02
	8/12/02	08/28/02
LOCK	11/07/01	11/28/02
	02/06/02	02/28/02
	06/18/02	06/28/02
	08/09/02	08/28/02
TRAC	11/15/01	11/28/02
	02/07/02	02/28/02
	06/19/02	06/28/02
	08/13/02	08/28/02
DEAD	11/09/01	11/28/02
	02/12/02	02/28/02
	06/24/02	06/28/02
	08/15/02	08/28/02

A number of sites were not sampled during the scheduled sampling time due to accessibility issues (Table 2). At the beginning of sampling, permission to access the Hershdale (HERS) site had not been attained. The permission request had been given to the landowner before sampling started in November, but permission to access the property was not received until late December. Permission to access the Patrick (PATR) site became a problem in June due to a change in the current landowner's policy, but permission to

Table 1. Quarterly Hess Composite Collection dates.

**Change in Truckee River discharge at Farad, CA (USGS station# 10346000) and Wadsworth, NV (USGS station# 10351650) over time (10/1/01 to 10/1/02)**

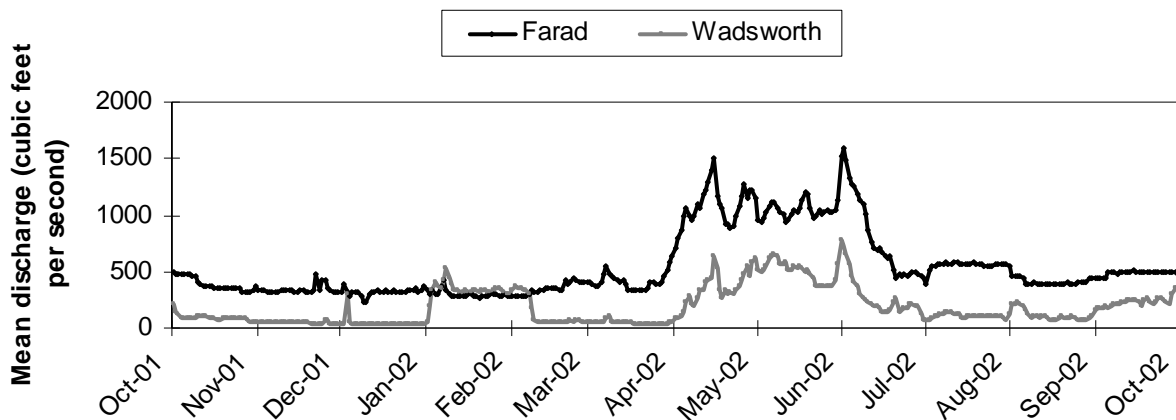


Figure 3. Truckee River Hydrograph during study period (Data obtained from USGS web site at <http://waterdata.usgs.gov>).

Site	Nov.	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
HERS	NA	NA	X	X	X	X	XX	X		X
FLEI	X	X	X	X	X	X	XX	X	NA	NA
PATA	X	X	X	X	X	X	XX	X++	++++	X
EMCC	X			X				X		X
LOCK	X	X	X	X	X	X	XX	X++	++++	X
PATR	X	X	X	X	X	X	XX	NA		X
TRAC	X	X	X	X	X	X	XX	X+	++++	X
PAIN	X			X				X		X
JOHN	X	X	X	X	X	X	XX	X		X
DEAD	X			X				X		X
LNIX	X	X	X	X	X	X	XX	X		X
WQ			X	X	X	X	X	X	X	X

"X"=Full Sampling, "NA"=Not Accessible

"+" =Sampling from 2 Units at the Site.

Table 2. Truckee River Biomass sampling times (November 2001 to August 2002).

access the site was granted for the final sampling session in August. During the months of June, July, and August the entire Fleish (FLEI) site area was posted "No Trespassing" due to repair and construction on the Steamboat Diversion. Access to Fleish was not possible until after the study period. Sites where access was a problem were not sampled in order to remain in good standing with property owners.

## SAMPLE COLLECTION PROCEDURES:

### Habitat Characterization

Sampling sites were chosen along the river based on characteristics such as stream morphology, location relative to point sources, accessibility and wadeability. Each sampling site was then divided into five or six transects so as to establish a riffle, glide, riffle, glide, riffle sequence, where possible (Porter et al. 1993). Each transect was mapped using a line-transect approach wherein differences in flow regime, depth, and substrate were characterized moving from bank to bank. Based on differences in flow characteristics and substrate, each transect was divided into subunits and numbered sequentially from the working bank to the far bank. A common reference point, above the bank full discharge of the river corridor, was identified and used throughout the sampling program to measure distance to bank and facilitate continuity in unit identification.

The biotic and abiotic characteristics of each unit were documented according to primary and secondary substrate, habitat type, percent macrophyte coverage, and predominant periphyton type. The primary and secondary substrate constituents were defined as boulder (>~20 cm), cobble (~4-20 cm), gravel (~0.5-4 cm), sand (~0.05-0.5 cm), or silt (~0-0.05 cm). The habitat was described as rapid, riffle, run, glide, bank transition, or pool. The percent macrophyte coverage was an estimate of the percentage of total width of each unit that was covered by any type of aquatic macrophyte.

Samples were then collected and the physical attributes of each of the sampled habitats were determined by measuring distance from bank, depth, flow velocity at 0.6 of maximum depth, and unit association (the unit the sample was taken from) for each sample taken. Depth and flow velocity were measured using a wading stick and flow meter from Rickly Hydrological Company until July 24, 2002, at which time a digital flow meter (FlowMate™ model 2000) from Marsh-McBerney, Inc. was used to measure flow velocity. The flow velocity was averaged over a 40 second time period throughout the study. The total width from bank to bank along the transect-line was measured with a measuring tape or range finder depending on wadeability.

### Epilithic Sampling

Epilithic samples were collected from each unit with appropriately sized cobble. Three cobbles were taken at random from within the accessible units and were placed in a plastic tub for processing. The SG-92 method (Porter et al. 1993) of sampling periphyton was used on each of the three cobbles. This was accomplished using an SG-92, which is made by placing a neoprene seal on the base of a 30 ml disposable syringe with the needle end cut off. The SG-92 was held tightly against the cobble and, an electric drill with a stainless steel wire dremmel brush attachment was then used to detach the periphyton from the cobble inside the known area of the SG-92 (Figure 4).

Areas of visually high, medium and low periphyton coverage were chosen, one from each of the three cobbles, for a composite sample of the three cobbles. Filtered stream water (FSW), filtered through a 47 mm Whatman GF/F filter with ~180 mm Hg vacuum, was used as the transporting medium (solvent) for the periphyton detached from the cobble. Approximately 10 mls of FSW was added to the inside of the SG-92 during scraping, all of the solution (FSW containing detached periphyton) was placed into a HDPE bottle for transport to the lab. The scraping and rinsing procedure was repeated three times for each SG-92 sampling area using three separate aliquots of FSW. The epilithic sample included the three rinses from each of the three cobbles along with any periphyton adhering to the brush upon completion of the composite. The sample was kept on ice in a darkened area until lab processing was completed.



Figure 4. Clint Davis (right) and Dale Casale (left) using the SG-92 sampling method at LOCK 5 (photographed by J. Doherty).

### Epissamic Sampling

The epissamic sampling area required a substrate of sand, silt or clay with a thickness of at least 1cm for proper sampling. Sampling of the epissamic biota found in each transect with the appropriate substrate was carried out using Gelman Sciences 50 mm sterile petri dishes and a spatula (Porter et al. 1993). A composite of three petri dishes was taken from high, medium

and low biomass coverage areas (determined visually) for each epissamic sample. Each petri dish was opened and pushed into the substrate with the open end down so that the walls of the petri dish cut into the sediments. The spatula was slid under the petri dish to hold the sediments inside as the petri dish was lifted out of the water and capped using the petri dish lid. This procedure was repeated for each of the three coverage areas. The three petri dishes were then taped together, labeled with the date, site, transect, unit, and epissamic sample number, and placed on ice in a darkened area until lab processing was completed.

### Macrophyte Sampling

Macrophyte samples were collected using a tubular template with a known diameter. The template was pushed into the substrate in the area with the macrophytes, and all macrophytes inside the template were removed and placed in foil. Care was taken to ensure that sampling did not remove more than 5% of the macrophytes in the area, which would have caused a significant loss of macrophyte coverage in the area. The macrophyte sample was labeled with the date, site, transect, unit, and macrophyte sample number, and placed in a drying oven within two to three hours for determination of dry weight and AFDW.

### Macroinvertebrate Sampling

A Hess macroinvertebrate sampler with a 500 micrometer mesh was used for sampling macroinvertebrates. Three samples were taken from different riffles within the sampling reach and were combined to form a composite. The Hess sampler was pushed into the substrate at a random location within a riffle habitat. All macroinvertebrates, macrophytes, and periphyton were scrubbed from cobbles and sediments inside the Hess sampler circumference for approximately five minutes. The resulting collection of organisms and detritus was then poured into a large HDPE bottle with enough stream water for complete submersion of the collection. Care was taken to ensure that all of the macroinvertebrates attached to the inside of the collection mesh were rinsed off and included in the sample. The bottle was labeled with the date, site, number of samples composited, and initials of the person or persons doing the sampling. The Hess composite samples were kept on ice until lab processing was completed.

### Water Quality Sampling

Water Quality samples were collected using a vertical integrating sampler and placed on ice in a darkened area for transport to TMWRF for analysis. A portion of the sample was also taken to DRI for chlorophyll *a* analysis and preservation for microscopy. Samples were collected in a vertical integrating sampler (rinsed with stream water) and placed in plastic jugs (rinsed three times with stream water) for transport. A small glass bottle with a septum cap was filled on site for dissolved inorganic carbon (DIC) analysis.

To facilitate determination of an attenuation coefficient of downwelling PAR ( $K_{dPAR}$ ), depth profiles of downwelling photosynthetically active radiation (PAR) were recorded at sites where water quality samples were taken. Downwelling irradiance of PAR was measured using a combination of dry and submerged LiCor irradiometers and a LiCor data logger.

## LABORATORY ANALYSIS:

### Epilithic Sample Processing

Epilithic (SG-92) samples were kept on ice until processing was completed. Sample processing was carried out in a darkened area to minimize loss of chlorophyll *a* due to light-induced degradation. Each sample was removed from the cooler, shaken, and placed into a Waring® single-speed blender for homogenization. Samples were blended for approximately 30 seconds, poured into a graduated cylinder using FSW to rinse the blending container, and the total volume was measured. Samples were then returned to the original container and placed on ice during filtration for chlorophyll *a*, AFDW, particulate organic nitrogen, particulate organic carbon, and particulate phosphorous.

### Chlorophyll *a*

Chlorophyll *a* concentrations were measured fluorometrically (Welschmeyer 1994) and the quality of fluorometric data was assured using the trichromatic method for spectrophotometric determination of chlorophyll *a* concentration (Parson et al. 1984). SG-92 samples were subsampled for chlorophyll *a* using a pipetter. The sample was inverted several times to ensure a homogenous mixture for subsampling and a filterable amount of the sample was immediately removed from the bottle with a pipetter. The subsample was then filtered onto a FSW washed 25 mm Whatman GF/F with ~180 mm Hg vacuum using FSW to rinse the sides of the filter funnel to ensure that all periphyton was on the filter. The filter was then removed from the filter tower, folded to ensure no loss in transfer, and placed in a twenty ml borosilicate glass scintillation vial with white urea cap and cone-shaped plastic liner for storage and extraction. The total volume and volume filtered were recorded, and the filters and vials were stored in the dark at -80 °C until extraction. A subset of quality assurance filter blanks (for each sampling day) was prepared using the same process, with the exception that FSW rather than epilithic sample was filtered.

Fluorescence was used to calculate chlorophyll *a* concentrations using a linear regression of known chlorophyll *a* concentrations (*Anacystis nidulans*, Sigma Corp.) to fluorescence. A subset of the samples was also scanned for absorbance using a Varian Cary 300 spectrophotometer to determine the chlorophyll *a* concentration using the tri-chromatic method of calculation (Parson et al. 1984).

### Ash-Free Dry Weight

AFDW was calculated using a method similar to Clesceri *et al.* (Wetzel and Likens 1991, Clesceri et al. 1998). Subsampling from the same homogenized samples used in the chlorophyll *a* analysis, a filterable amount of sample was removed from the sample bottle (immediately after inverting the bottle several times) with a pipetter. Subsamples were filtered onto 47 mm Whatman GF/F filters that had been pre-combusted at 510 °C for one hour. Approximately 180 mm Hg of vacuum was used for filtering and the filter funnel was rinsed with FSW to ensure that all periphyton was on the filters. The AFDW filters were then placed in aluminum weigh boats and placed in a drying oven at 105 °C for a minimum of 24 hours. The dry filters and weigh boats were removed from the oven and allowed to cool to room temperature in a dessicator. The dry weight of the sample was determined using an analytical balance capable of at least 1mg resolution. The samples were placed in a muffle furnace

preheated to 510 °C and

combusted for 1 hour. The samples were removed from the muffle furnace and allowed to cool to room temperature in a dessicator. The combusted sample was then weighed on the same 1mg resolution analytical balance. The AFDW was calculated as the difference between the pre and post combustion dry weight.

### Particulate Organic Carbon and Particulate Organic Nitrogen

Particulate organic carbon (POC) and particulate organic nitrogen (PON) were measured using a Perkin Elmer 2400 series II CHN/O analyzer. Subsampling from the same homogenized samples used in the Chlorophyll *a* analysis, a filterable amount (one to five mls) of the sample was removed from the bottle with a pipetter immediately after inverting the bottle several times. This subsample was then filtered with ~180 mm Hg vacuum onto a 25 mm Whatman GF/F that had been pre-combusted at 500 °C for 1 hour. The sides of the filter funnel were rinsed with FSW, and the filter was removed and placed on an aluminum weigh boat. The total volume and volume filtered were recorded, and the samples were placed in a drying oven for at least 24 hours. After the samples were dry they were placed in a dessicator until further processing.

Samples were acidified by fumigation with hydrochloric acid to remove non-organic carbon. After the acidification the samples were encapsulated in tin, and the encapsulated filters were compressed to ~10 mm balls for POC and PON analysis in the Perkin Elmer 2400 series II CHN/O analyzer.

### Particulate Phosphorous

Particulate phosphorous was measured using digestion (Karl et al. 1991) and colorimetric determination of soluble reactive phosphate (Parson et al. 1984) or EPA/600/4-79-020. Sample filters were transferred from aluminum weigh boats used for drying the filters to acid-rinsed twenty ml borosilicate glass scintillation vials. Samples were combusted in scintillation vials for 3 hours at 490 °C. After cooling, three mls of 0.5 molar hydrochloric acid were added to each sample vial. The samples were heated for 90 minutes in a 90 °C water bath. Once cooled, the samples were vortexed for 20 seconds and vacuum filtered through an acid-rinsed 25 mm Whatman GF/F filter. The extract was collected in an acid-rinsed test tube volumetrically marked at twenty mls. The extraction was repeated three times by adding three ml aliquots of 0.5 molar hydrochloric acid, vortexing, and vacuuming for each rinse. After the samples had been completely extracted, each test tube was neutralized and filled to twenty mls with deionized water. The extracts for samples collected after 3/15/02 and before 8/7/02 were measured with an Alpkem rapid flow analyzer set up for the EPA/600/4-79-020 method of analysis. For all other particulate phosphorus measurements, the extracts were reacted with a mixed reagent of molybdic acid, ascorbic acid, and trivalent antimony (Parson et al. 1984). The color was developed for 15 minutes, and the absorbance at 860 nm was measured against a deionized (DI) water reference using a Varian Cary 300 spectrophotometer. The concentration of particulate phosphorus in each sample was then determined using a linear regression of known phosphorus stock solution concentrations compared with absorbance at 860 nm. It should be noted that the Alpkem rapid flow analyzer read the absorbance at 880 nm in a 20 mm flowcell, while the Varian Cary 300 read the absorbance at 860 nm in a 10 mm cell.

### Epissamic Sample Processing

The contents of the three petri dishes collected for epissamic samples were combined, homogenized, and analyzed for chlorophyll *a* (Welschmeyer 1994) and AFDW. The contents of the three petris were combined in a larger petri dish and homogenized with a stainless steel spatula. After homogenization, the wet weight of the mixture was measured. Subsamples of approximately three grams for chlorophyll *a* and six grams for AFDW were then removed from the mixture and placed in twenty ml borosilicate glass scintillation vials. The wet subsamples were weighed and chlorophyll *a* was determined as described above. The AFDW subsamples were loosely capped and then placed in a drying oven at 105°C for a minimum of 24 hours before combustion and AFDW determination.

### Macroinvertebrate Sample Processing

Macroinvertebrate composites were placed in glass bottling jars with 70% ethanol as the preservative and transported to TMWRF for macroinvertebrate sorting and enumeration.

### Microscopy Preserve Sample Processing

A subset of the epilithic and water quality samples was preserved with 0.5% v/v glutaraldehyde for microscopy. Twenty mls of the select homogenized samples were placed in twenty ml borosilicate glass scintillation vials. After bringing the glutaraldehyde concentration in the vials to 0.5% v/v glutaraldehyde, the capped vials were sealed with parafilm and placed in a refrigerator until microscopic analysis.

### Water Quality Sample Processing

Chlorophyll *a* and AFDW were measured as described above on water samples transported to DRI Laboratories. pH, alkalinity and nutrient samples were delivered to Gail Prockish and TMWRF for analysis.

## QUALITY ASSURANCES:

### Introduction to Quality Assurance Processes

Throughout the TRBM program, a number of measures were in place to quantify the variability of and assure the quality and accuracy of data being reported. Repeatability of sample processing techniques and analytical techniques were monitored throughout the program. Processing and analytical blanks were used to determine detection limits for all types of analyses. A subset of chlorophyll *a* extracts was measured using different equipment and methods (specifically the trichromatic method) to ensure validity. The sampling area of the SG-92 method of epilithic sampling was compared with another sampling technique; wherein, all of the periphyton that could be scrubbed from the cobble surface was collected. Distance measurements taken manually with a measuring tape were compared to measurements taken with an optical range finder to determine the accuracy of measurements taken where bank to

bank access was not possible. Such quality assurance techniques enhanced the utility of reported data by making these data more statistically and scientifically defensible.

## Repeatability

To quantify the repeatability of sample processing techniques, a portion of the epilithic samples were subsampled and filtered twice for each of the analytical methods being used. The resulting samples were then analyzed using standard operating procedures as if they were independently derived samples. The resulting data for these “sample processing repeats” were then compared to calculate a percent difference (Table 3). Testing repeatability of analytical methods was only possible for non-destructive methods of analysis (e.g. chlorophyll *a* where only a portion of the final extract is measured), for which it was possible to measure the same sample extract multiple times. Chlorophyll *a* and particulate phosphorous extracts from the same filter were placed in multiple cuvettes and measured repeatedly to ensure analytical repeatability.

Variation among analytical replicates was low enough to alleviate any concerns about the validity of the analytical methods being used (data not shown). However, with regard to sample processing, two filters of the same sample were varied by an average of 15 to 29 percent (Table 3). For example, chlorophyll *a* replicates from the same SG-92 sample varied by an average of 16 percent.

Analyte	Percent Difference (mean)	Number of Replicates
Chlorophyll <i>a</i>	16	272
AFDW	17	264
Carbon	15	194
Nitrogen	19	188
Phosphorous	29	164

Table 3. Variability between repeats.

## Detection Limits and Blanks

Detection limits were calculated through the preparation of sample and analytical blanks. During sample processing, FSW was filtered or preserved to quantify the signal without sample biomass. The measured signal (e.g. chlorophyll *a* concentration); known as the processing blank, was then multiplied by three, and the resulting value was used as the lower detection limit for analysis. The detection limits for each type of analysis, as well as a conversion to detection limit per unit area, are listed in Table 4. The detection limits per unit area were calculated using the volume filtered for each blank and the average area sampled for all epilithic samples in the study.

Analysis Type	Mean Signal from FSW Blank (ug/L)	Detection Limit for Analysis Type (ug/Liter)	Mean Detection Limit per unit Area (ug/cm <sup>2</sup> )
Chlorophyll <i>a</i>	1.01	3.02	0.019
AFDW	86327	258980	1655
Particulate Carbon	2886	8659	55
Particulate Nitrogen	67	201	1
Particulate Phosphorous (Varian)	137	410	3
Particulate Phosphorous (Alpkem)	90	269	2

Table 4. Detection Limits for different analysis types.

detection limit (calculated by multiplying the FSW signal by three) and the detection limit in terms of mass per unit area. The averagesignal from FSW was used to calculate the mass of

Analytical blanks were determined through analysis of the medium carrying the substance being quantified (e.g. chlorophyll *a* analytical blanks consisted of 95% ethanol only). The signals observed for all analytical blanks were less than the signals observed from the processing blanks and therefore were not used in any calculations (data not shown). Table 4 shows the average signal from FSW, the

analyte (e.g. chlorophyll *a*) added to each determination from the solvent (FSW). This number could then be subtracted from the total

Sample Collection Time	Slope	Degrees of Freedom	Standard Error of the Slope	T <sub>calc</sub>	T <sub>crit*</sub>	P>.05
11/6/01 to 11/26/01	0.5379	24	0.122	3.79	2.064	<b>P&gt;.05</b>
12/6/02 to 1/16/02	0.9649	32	0.031	1.13	2.042	
2/4/02 to 2/21/02	0.9045	23	0.169	0.57	2.069	
2/4/02 to 2/21/02	0.7908	23	0.177	1.18	2.069	
3/4/02 to 3/21/02	0.8043	19	0.174	1.12	2.093	
3/4/02 to 3/21/02	0.8813	19	0.185	0.64	2.093	
4/11/02 to 4/17/02	0.9266	10	0.265	0.28	2.228	
4/11/02 to 4/17/02	0.9629	10	0.299	0.12	2.228	
5/3/02 to 5/16/02	0.7031	18	0.183	1.62	2.101	
5/3/02 to 5/16/02	1.0171	18	0.773	0.02	2.101	
5/28/02 to 6/13/02	0.8402	12	0.289	0.55	2.179	
6/17/02 to 7/16/02	0.7403	13	0.197	1.32	2.160	

\* T-critical value is from a table of critical values for the t-Test at the 0.05 alpha level (Ambrose and Ambrose, 1987)

Table 5. Results of t-Test comparing chlorophyll *a* values attained by measuring the same sample in a fluorometer with values attained using a spectrophotometer.

mass of analyte derived through the measurement of samples to yield the contribution of analyte from just the solute (e.g. periphyton). Only values that exceeded the detection limit are shown in Table 4. The detection limits in Table 4 were then divided by the average area sampled to portray typical detection limits per unit area.

#### Fluorometric versus Trichromatic Method for Determination of Chlorophyll *a*.

The fluorometric chlorophyll *a* method (Welschmeyer 1994) was independently confirmed using the trichromatic method for spectrophotometric determination of chlorophyll *a* concentration (Parson et al. 1984). This was accomplished by scanning the absorbance of a subset of the chlorophyll *a* samples with a Varian Cary 300 spectrophotometer and comparing the resulting concentrations with those obtained fluorometrically. These values were shown to be statistically identical (Student's *t* test; Table 5).

With the number of samples compared varying from 11 to 33, the calculated value for the *t* statistic at P>0.05 is only larger than the critical value for *t* at P>0.05 in one of the sampling sessions. Only during the first sampling session where values obtained fluorometrically statistically different from those obtained by the trichromatic method. It should be noted that for the first sampling session the readings obtained fluorometrically were separated from the readings obtained with the spectrophotometer by at least one month. [It is expected that chlorophyll *a* will degrade over time; therefore, the statistical difference of the first sampling session falls in line with expectation.] For all other sampling sessions, the two types of analyses were done within 24 hours of each other and were found to be statistically identical.

## Sg-92 Collection Method versus "foil" Collection Method

The SG-92 method (Porter et al. 1993) of sampling periphyton was compared with another method that included more of the cobble surface. The alternative method for collection of periphyton samples ("foil" method) involves scraping all periphyton from the cobble with a steel brush, collecting the periphyton in a bottle using FSW to rinse, and measuring the cobble to find the area of periphyton coverage. The comparison method, affectionately known as the "foil comp" method, involved performing a typical SG-92 sampling and then collecting the remainder of the periphyton on the cobble in a separate sample bottle. Care was taken to ensure that samples were collected in clean plastic tubs and that all of the periphyton left on the cobble after the SG-92 sampling was scrubbed off the cobble (using a steel wire brush) and rinsed into a tub using FSW. The contents of the tub were rinsed into a large HDPE bottle and stored and processed as described for SG-92 samples.

Data Type	Mean	Standard Error
Area Sampled (SG-92 cm <sup>2</sup> )	16	0.2
Area Sampled ("foil comp" cm <sup>2</sup> )	902	65
Chl a (SG-92 ug/cm <sup>2</sup> )	32	8
Chl a ("foil comp" ug/cm <sup>2</sup> )	9	1.1
AFDW (SG-92 ug/cm <sup>2</sup> )	7065	1672
AFDW ("foil comp" ug/cm <sup>2</sup> )	2282	244
Chl a % change from "foil comp"	342%	64%
AFDW % change from "foil comp"	202%	43%

Table 6. Summary statistics regarding differences in biomass determination with respect to the SG-92 versus "foil comp" sample collection methods.

The sampling surface area of the "foil comp" sample was calculated by measuring the dimensions of the cobble sampled and by calculating the area of the top half of the cobble, since this was typically the area with periphyton growth. After lab analysis, all SG-92 values were added to the values obtained for the foil comp samples and the summed values were divided by the total area of the top half of the cobble. The results of the comparison of SG-92 and "foil comp" collection methods are listed in Table 6.

A Student's *t* test of the side by side comparison of values attained with SG-92 and "foil comp" methods concludes that the results are statistically different for both chlorophyll *a* and AFDW (data not shown). In fact, the SG-92 method of sample collection yields chlorophyll *a* and AFDW values that are two to three times higher than those obtained through the "foil comp" method. Several factors might underlie this disparity, but two of the likely contributing factors are loss of solute (e.g. periphyton) during the sampling process and surface area over estimation.

Although care was taken to insure that all of the periphyton on the cobble was scraped off and placed in the sample bottle, it is possible that that some biomass may have been lost from the container during the brushing process. The underestimation of "foil comp" biomass may also be a product of biomass drying and degrading on the sides of the container during the sampling process, which would disproportionately affect the chlorophyll *a* values. As shown in Table 6, the disparity between the SG-92 and "foil comp" methods is more pronounced for chlorophyll *a*.

Likewise, it is possible that the cobble surface area value is overestimated in the "foil comp" method because the top half of the cobble is not entirely covered with periphyton. Overestimation of surface area containing biomass might have resulted in the apparent underestimation of the total analyte (chlorophyll *a* and AFDW) per unit area determination. Further testing appears to be required to determine which sampling technique is most accurate.

## Measurement of Distance from Bank to Bank

Bank to bank access was not possible along some transects. In such situations, a Ranging® TLR75 coincidence range finder was used to measure the distance from bank to bank. Where possible, range finder measurements were verified by manual measurements with a measuring tape. The two methods of measurement yielded nearly identical results (Figure 5).

## Identification of Potential Outliers

To identify outlying data points, statistical information about populations within the dataset was calculated. A population was defined as the samples taken from one site during one session of sampling. For instance, all the samples taken on 11/06/2002 at the Patagonia site constituted one population. Mean, standard deviation, and standard error were calculated for each population. The mean and standard deviation were used to identify potential outliers in the dataset by highlighting values that were greater or less than three standard deviations from the mean (Mendenhall et al. 1999). In addition, particulate phosphorous outliers were identified as the samples having a particulate phosphorous per unit area value greater than one percent of the AFDW per unit area value. The outliers are identified in the data tables (pages 42 to 104).

### **Comparison of range finder and measuring tape measurements.**

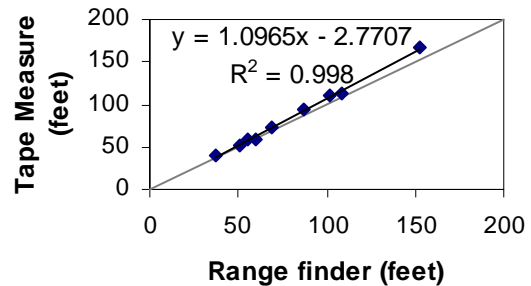


Figure 5. Graph of distance measurements attained with a range finder versus a measuring tape.

## SUMMARY STATISTICS AND GRAPHS:

- . Statistical information was calculated for each population in the dataset and can be viewed in summary statistics tables, Table 7 thru Table 10 on pages 17-20. These tables include information for population size (N), mean, standard deviation (sd), standard error (se) and number of possible outliers (mean  $\pm$  (3 x sd)). These statistics were calculated for the results of chlorophyll a ( $\mu\text{g}/\text{cm}^2$ ) and AFDW ( $\mu\text{g}/\text{cm}^2$ ) analysis, as well as the molar ratios of Particulate Carbon to Particulate Nitrogen, Particulate Nitrogen to Particulate Phosphorous and Particulate Carbon to Particulate Phosphorous. The potential outliers have been highlighted in orange font. Graphical representations of these means ( $\pm$  one standard error) can be found in Figure 6 to Figure 26 on pages 21 to 31.
- . Summary Statistics were also calculated for epissamic and macrophyte datasets (raw data in epissamic and macrophyte data tables pages 94 to 98) and graphical representations of these data can be found on pages 32 to 41.
- . The entire dataset for chlorophyll a, AFDW, particulate carbon, particulate nitrogen, and particulate phosphorous etc. are presented on pages 41 to 104, encompassing all sites and all times when sampling occurred.
- . Epilithic data tables are on pages 42 to 90.
- . Water quality data tables are on pages 91 to 93.
- . Epissamic data tables are on pages 94 to 97.
- . Macrophyte data tables are on pages 98 to 104.

Summary Statistics:

Table 7, Summary Statistic Data Table 1 of 4

Sampling Date	Site	Distance from Tahoe (km)	Chla N	Chla (ug/cm <sup>2</sup> ) mean	Chla (ug/cm <sup>2</sup> ) se	Chla (ug/cm <sup>2</sup> ) outliers	AFDW N	AFDW (ug/cm <sup>2</sup> ) mean	AFDW (ug/cm <sup>2</sup> ) se	AFDW (ug/cm <sup>2</sup> ) outliers	PC:PN (mol:mol) N	PC:PN (mol:mol) mean	PC:PN (mol:mol) se	PN:PP (mol:mol) N	PN:PP (mol:mol) mean	PN:PP (mol:mol) se	PC:PP (mol:mol) N	PC:PP (mol:mol) mean	PC:PP (mol:mol) se
11/26/01	FLEI	56	24	3.3	0.4	0	23	2563	383	1	5	14.3	1.23	5	4.3	0.91	5	61.7	15.3
11/06/01	PATA	80	18	6.7	0.6	0	18	2002	184	0	6	14.5	1.56	6	25.2	10.49	6	308.3	119.8
11/16/01	EMCC	97	17	18.1	2.8	0	17	4882	607	0	5	11.1	0.36	4	20.8	3.62	4	234.8	45.9
11/07/01	LOCK	106	11	15.5	2.9	0	11	5580	565	0	5	9.4	0.33	5	14.4	3.44	5	134.2	31.7
11/19/01	PATR	115	10	35.9	10.9	0	10	8073	1745	0	5	10.0	0.44	5	10.3	0.84	5	102.7	9.3
11/15/01	TRAC	122	13	43.6	14.1	0	13	8551	2255	0	6	11.2	0.34	6	12.2	1.72	6	135.8	17.7
11/14/01	PAIN	139	20	28.5	3.6	1	20	7739	1127	1	4	10.9	0.39	4	12.5	2.14	4	134.3	19.0
11/08/01	JOHN	152	17	24.7	4.7	0	16	6639	953	1	5	12.8	0.90	5	9.9	1.22	5	130.7	25.3
11/09/01	DEAD	166	12	21.0	6.7	0	12	6685	1692	0	6	11.3	0.74	6	8.5	1.14	6	93.9	13.3
11/13/01	LNIX	178	12	8.5	1.1	0	12	4971	624	0	4	15.4	0.41	4	11.0	2.53	4	168.4	38.9
12/19/01	FLEI	56	21	7.4	1.4	0	21	2005	325	0	5	11.7	0.49						
12/06/01	PATA	80	18	5.5	0.7	1	19	2369	229	0	5	13.0	1.78	2	16.9	3.10	2	252.6	39.7
12/07/01	LOCK	106	13	7.4	2.1	0	13	1947	490	0	5	10.6	0.35	3	9.4	2.35	3	98.7	29.8
12/11/01	PATR	115	11	13.9	5.6	0	11	4310	1157	0	5	42.2	31.11	5	5.9	2.82	5	57.7	23.0
12/13/01	TRAC	122	13	34.0	10.0	0	13	5711	1014	0	5	9.3	0.17	5	11.9	2.46	5	109.4	22.2
12/18/01	JOHN	152	18	23.9	2.8	1	19	4214	459	0	5	9.3	0.42	3	9.2	3.36	3	84.3	28.3
12/17/01	LNIX	178	12	11.5	2.8	0	12	3413	623	0	5	11.8	0.32	3	10.0	1.82	3	121.8	21.5

Table 8, Summary Statistic Table 2 of 4

Sampling Date	Site	Distance from Tahoe (km)	Chla N	Chla (ug/cm2) mean	Chla (ug/cm2) se	Chla (ug/cm2) outliers	AFDW N	AFDW (ug/cm2) mean	AFDW (ug/cm2) se	AFDW (ug/cm2) outliers	PC:PN (mol:mol) N	PC:PN (mol:mol) mean	PC:PN (mol:mol) se	PN:PP (mol:mol) N	PN:PP (mol:mol) mean	PN:PP (mol:mol) se	PC:PP (mol:mol) N	PC:PP (mol:mol) mean	PC:PP (mol:mol) se
01/16/02	HERS	32	21	16.0	2.6	1	22	3575	490	0	5	9.1	0.56	4	18.5	2.34	4	157.6	17.9
01/14/02	FLEI	56	21	4.3	0.8	0	21	1781	208	0	5	17.7	2.49	4	17.3	3.00	4	329.4	105.0
01/04/02	PATA	80	22	9.5	1.7	0	22	2693	389	0	6	10.9	1.45	2	16.8	3.69	2	149.0	35.8
01/07/02	LOCK	106	10	16.4	5.4	0	10	2501	484	0	5	11.6	2.66						
01/07/02	PATR	115	11	17.2	5.0	0	11	2895	768	0	4	11.0	0.25						
01/08/02	TRAC	122	13	31.8	10.3	1	13	3619	658	1	5	9.5	0.23	1	19.8	0.00	1	194.6	0.0
01/09/02	JOHN	152	19	13.5	3.1	0	19	1539	262	0	5	24.5	12.97	4	11.8	1.72	4	129.5	13.4
01/11/02	LNIX	178	15	8.0	1.6	0	15	2811	755	0	5	13.2	2.64	2	5.6	0.60	2	60.4	8.1
02/21/02	HERS	32	20	4.0	0.7	0	20	1691	183	0									
02/15/02	FLEI	56	21	3.6	0.5	0	21	1100	211	0	5	14.4	2.35	5	14.9	2.40	5	212.6	39.4
02/04/02	PATA	80	20	10.2	1.7	0	20	2799	503	0	5	16.2	4.09	2	2.5	1.77	2	74.7	61.8
02/05/02	EMCC	97	16	23.3	4.7	0	16	3429	552	0	5	9.4	0.29	5	20.7	2.14	5	193.7	20.1
02/06/02	LOCK	106	12	72.8	25.0	0	12	10925	3869	0	5	8.6	0.50	5	20.7	1.33	5	178.7	17.9
02/06/02	PATR	115	12	17.0	6.4	0	12	3671	1204	0	4	10.1	0.39	4	20.5	3.57	4	206.4	34.5
02/07/02	TRAC	122	12	47.8	16.6	1	12	6352	1937	1	5	10.3	0.42	5	19.6	5.90	5	196.0	51.5
02/08/02	PAIN	139	19	53.0	5.5	0	19	5339	502	0	5	9.1	0.59	5	11.2	1.64	5	98.4	10.2
02/11/02	JOHN	152	21	41.4	4.3	0	21	6693	530	0	5	10.0	0.20	5	16.1	3.92	5	162.5	41.8
02/12/02	DEAD	166	15	20.6	4.9	1	15	6185	898	1	5	13.7	0.69	5	9.8	1.31	5	133.4	17.1
02/14/02	LNIX	178	13	10.4	1.7	0	13	5949	995	0	5	15.6	1.72	5	7.8	1.32	5	120.0	23.1

Table 9, Summary Statistic Table 3 of 4

Sampling Date	Site	Distance from Tahoe (km)	Chla N	Chla (ug/cm2) mean	Chla (ug/cm2) se	Chla (ug/cm2) outliers	AFDW N	AFDW (ug/cm2) mean	AFDW (ug/cm2) se	AFDW (ug/cm2) outliers	PC:PN (mol:mol) N	PC:PN (mol:mol) mean	PC:PN (mol:mol) se	PN:PP (mol:mol) N	PN:PP (mol:mol) mean	PN:PP (mol:mol) se	PC:PP (mol:mol) N	PC:PP (mol:mol) mean	PC:PP (mol:mol) se
03/19/02	HERS	32	19	11.2	3.7	0	19	3589	1126	0	5	11.1	1.09	5	17.2	4.47	5	179.1	33.3
03/21/02	FLEI	56	21	7.0	1.5	0	21	2033	578	0	5	8.6	0.42	5	18.9	3.05	5	165.5	30.3
03/04/02	PATA	80	19	12.6	2.5	0	19	3069	466	0	5	12.9	1.40	5	19.3	5.42	5	255.7	90.2
03/04/02	LOCK	106	12	43.0	8.9	0	12	7007	1310	0	5	7.6	0.21	5	16.8	1.05	5	128.8	11.1
03/05/02	PATR	115	12	18.4	3.8	0	12	4582	1047	0	5	8.6	0.41	5	20.9	2.16	5	178.6	18.3
03/06/02	TRAC	122	15	20.4	4.3	0	15	4023	645	0	3	8.2	0.52	3	18.1	2.32	5	135.2	10.0
03/20/02	JOHN	152	19	9.2	1.4	1	20	3490	578	0	5	10.9	0.51	5	13.1	1.90	5	140.4	18.2
03/15/02	LNIX	178	12	7.2	1.4	0	12	4723	864	0	5	10.6	0.44	5	10.9	2.30	5	113.9	22.0
04/17/02	HERS	32	8	1.6	1.2	0	9	924	623	0	3	6.9	1.25	3	24.7	1.32	5	155.9	23.6
04/17/02	FLEI	56	5	0.9	0.3	0	5	304	55	0	5	23.0	5.58	5	6.6	1.09	5	128.1	7.0
04/11/02	PATA	80	10	1.7	0.6	0	10	783	117	0	5	26.6	3.10	5	12.8	1.26	5	340.4	61.1
04/11/02	LOCK	106	7	8.2	3.7	0	7	3812	1330	0	5	24.0	6.59	5	14.7	3.93	5	332.2	103.6
04/12/02	PATR	115	10	3.5	1.3	0	10	2003	464	0	5	19.2	3.20	5	8.2	0.99	5	148.3	20.7
04/15/02	TRAC	122	7	2.0	0.7	0	7	320	115	0	4	54.7	20.67	4	5.6	2.04	4	206.2	48.4
04/15/02	JOHN	152	15	17.0	6.4	0	15	1797	636	0	5	23.4	9.08	4	9.2	1.79	4	205.4	89.3
04/16/02	LNIX	178	9	2.1	0.4	0	9	994	452	0	5	34.4	4.49	5	5.3	1.19	5	179.0	40.4
05/09/02	HERS	32	8	6.9	4.8	0	8	1918	617	0	5	18.3	1.74	5	10.4	3.78	5	170.8	49.1
05/09/02	FLEI	56	5	3.2	2.1	0	5	3196	1376	0	5	36.7	6.31	5	10.4	3.78	5	226.8	67.2
05/03/02	PATA	80	11	2.4	0.6	1	13	1073	435	0	5	39.5	7.28	4	10.3	3.50	4	341.3	115.7
05/03/02	LOCK	106	11	10.6	5.4	0	11	1296	403	0	3	16.1	2.67	3	44.5	22.40	5	728.5	257.1
05/06/02	PATR	115	12	1.6	0.6	0	12	1073	347	0	5	20.8	3.26	5	33.9	8.35	5	680.9	193.6
05/06/02	TRAC	122	11	6.0	2.4	0	11	1632	562	0	4	10.9	0.81	3	17.5	1.71	3	180.7	8.0
05/07/02	JOHN	152	13	32.7	15.7	0	13	4933	2396	0	5	17.3	5.34	5	11.0	4.52	5	128.2	41.7
05/08/02	LNIX	178	9	3.0	1.3	0	9	1558	720	0	5	30.4	11.59	5	5.7	1.84	5	129.8	35.3

Table 10, Summary Statistic Table 4 of 4

Sampling Date	Site	Distance from Tahoe (km)	Chla N	Chla (ug/cm2) mean	Chla (ug/cm2) se	Chla (ug/cm2) outliers	AFDW N	AFDW (ug/cm2) mean	AFDW (ug/cm2) se	AFDW (ug/cm2) outliers	PC:PN (mol:mol) N	PC:PN (mol:mol) mean	PC:PN (mol:mol) se	PN:PP (mol:mol) N	PN:PP (mol:mol) mean	PN:PP (mol:mol) se	PC:PP (mol:mol) N	PC:PP (mol:mol) mean	PC:PP (mol:mol) se
05/31/02	HERS	32	7	4.6	1.6	0	7	3176	1095	0	4	34.0	7.29	4	5.9	1.33	4	173.1	10.7
05/31/02	FLEI	56	4	2.5	0.5	0	4	3286	628	0	4	24.1	1.46	4	6.5	1.16	4	154.7	27.8
05/28/02	PATA	80	10	13.5	3.3	0	10	5781	1765	0	5	18.1	1.10	5	12.8	2.58	5	221.6	42.7
05/28/02	LOCK	106	11	3.1	0.6	0	11	1722	504	0	5	18.0	1.91	4	15.3	2.02	4	246.6	20.8
05/29/02	PATR	115	10	2.0	0.4	0	10	1476	541	0	5	17.4	2.19	5	16.1	3.52	5	253.2	23.2
05/29/02	TRAC	122	9	4.7	1.7	0	9	1358	381	0	4	14.7	0.60	3	21.3	5.20	3	321.4	94.7
05/30/02	JOHN	152	11	24.7	9.0	0	11	5010	1665	0	4	14.6	1.01	4	22.6	5.53	4	319.7	77.7
05/30/02	LNIX	178	9	2.4	0.9	0	9	1259	462	0	5	24.5	3.45	5	7.8	1.37	5	193.3	45.2
06/26/02	HERS	32	18	3.5	0.5	1	19	2645	507	0	5	13.7	1.86	5	7.1	0.81	5	96.2	15.1
06/17/02	PATA	80	19	14.8	4.4	0	18	5334	1911	1	5	32.8	12.43	5	11.0	1.65	5	311.5	76.0
06/17/02	EMCC	97	16	8.7	1.8	0	15	4135	670	1	6	15.1	0.67	6	12.0	2.10	6	178.7	30.3
06/18/02	LOCK	106	15	7.6	1.6	0	15	4298	1083	0	5	12.3	1.42	5	18.3	2.95	5	216.5	27.5
06/19/02	TRAC	122	11	42.1	11.1	0	11	15306	2934	0	5	13.7	0.73	5	16.1	0.81	5	218.9	13.5
06/19/02	PAIN	139	22	11.1	1.2	1	23	5809	570	0	2	12.6	0.11	2	10.1	1.80	5	164.4	26.6
06/20/02	JOHN	152	21	55.5	12.9	0	21	20554	4197	0	5	14.4	0.55	5	17.1	3.49	5	250.9	58.1
06/24/02	DEAD	166	14	28.8	6.2	0	14	15508	2588	0	6	18.1	1.07	6	13.3	4.95	6	251.3	100.9
06/25/02	LNIX	178	13	6.6	0.9	0	13	3580	639	0	5	15.3	0.84	5	10.4	0.74	5	157.9	8.0
08/19/02	HERS	32	19	4.3	0.6	1	20	1778	211	0	5	17.1	1.50	4	1.8	0.65	4	31.4	10.3
08/07/02	PATA	80	20	2.2	0.2	0	20	1016	121	0	6	20.9	1.64	2	3.2	0.02	2	55.2	6.7
08/12/02	EMCC	97	14	17.7	2.8	0	14	3380	520	0	5	12.5	1.01	5	18.4	5.16	5	221.7	55.5
08/09/02	LOCK	106	12	35.7	10.3	0	12	7316	1373	0	5	10.0	0.36	5	13.4	0.52	5	133.7	6.9
08/09/02	PATR	115	13	37.4	14.0	0	12	4303	595	1	5	13.4	0.98	4	9.7	3.87	4	125.1	42.4
08/13/02	TRAC	122	11	35.5	7.7	0	11	5961	1086	0	5	11.5	0.71	5	12.4	2.14	5	139.6	19.9
08/13/02	PAIN	139	21	17.1	2.1	0	21	3935	371	0	3	11.9	0.73	3	6.4	2.53	3	74.6	29.3
08/14/02	JOHN	152	19	32.0	5.8	0	19	8431	1401	0	5	15.0	1.99	5	10.6	1.87	5	162.3	41.2
08/15/02	DEAD	166	14	34.4	5.7	0	14	7144	1324	0									
08/16/02	LNIX	178	12	15.3	2.3	0	12	3722	524	0	5	12.2	0.53	5	6.7	0.86	5	82.9	11.9

## Summary Graphs

Figure 6, Epilithic chlorophyll *a* and ash free dry weight vs. distance from Lake Tahoe.

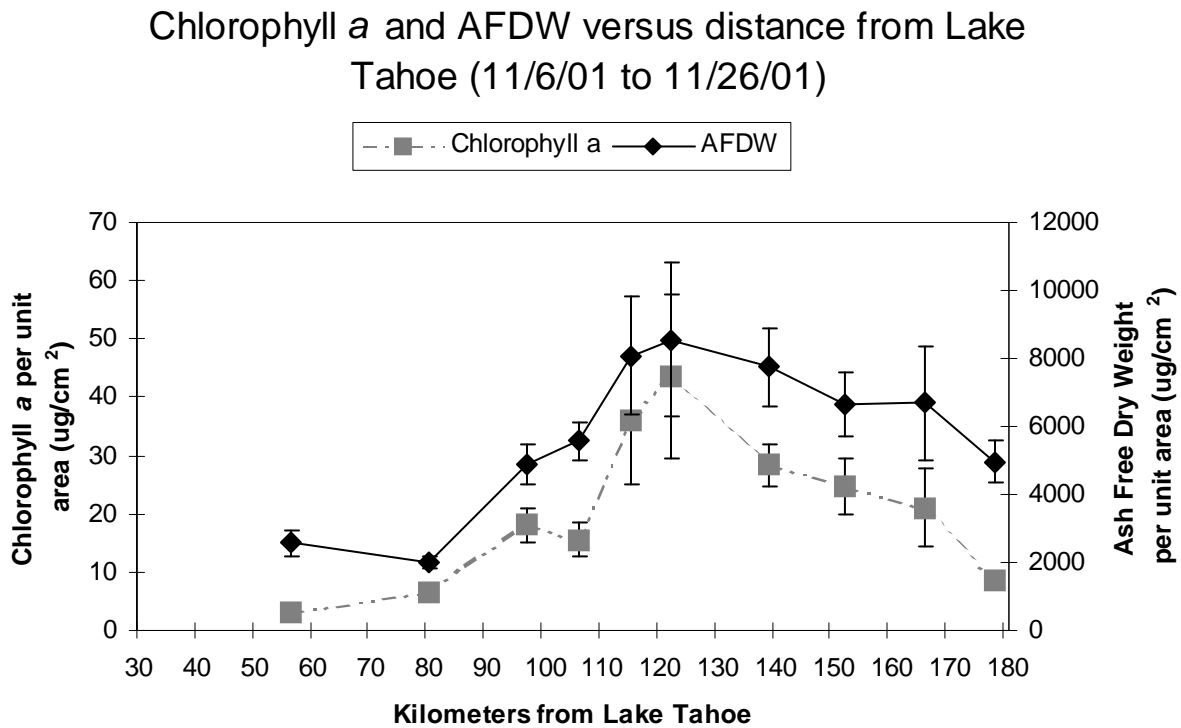


Figure 7, Epilithic chlorophyll *a* and ash free dry weight vs. distance from Lake Tahoe.

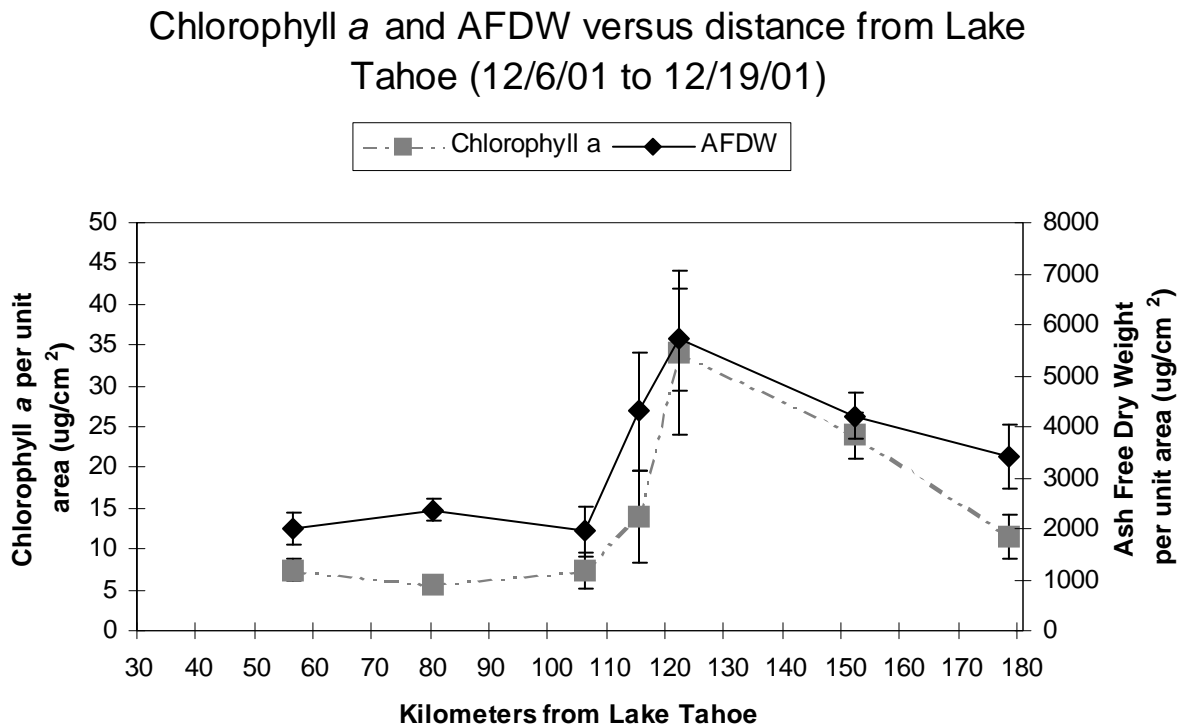


Figure 8, Epilithic chlorophyll a and ash free dry weight vs. distance from Lake Tahoe.

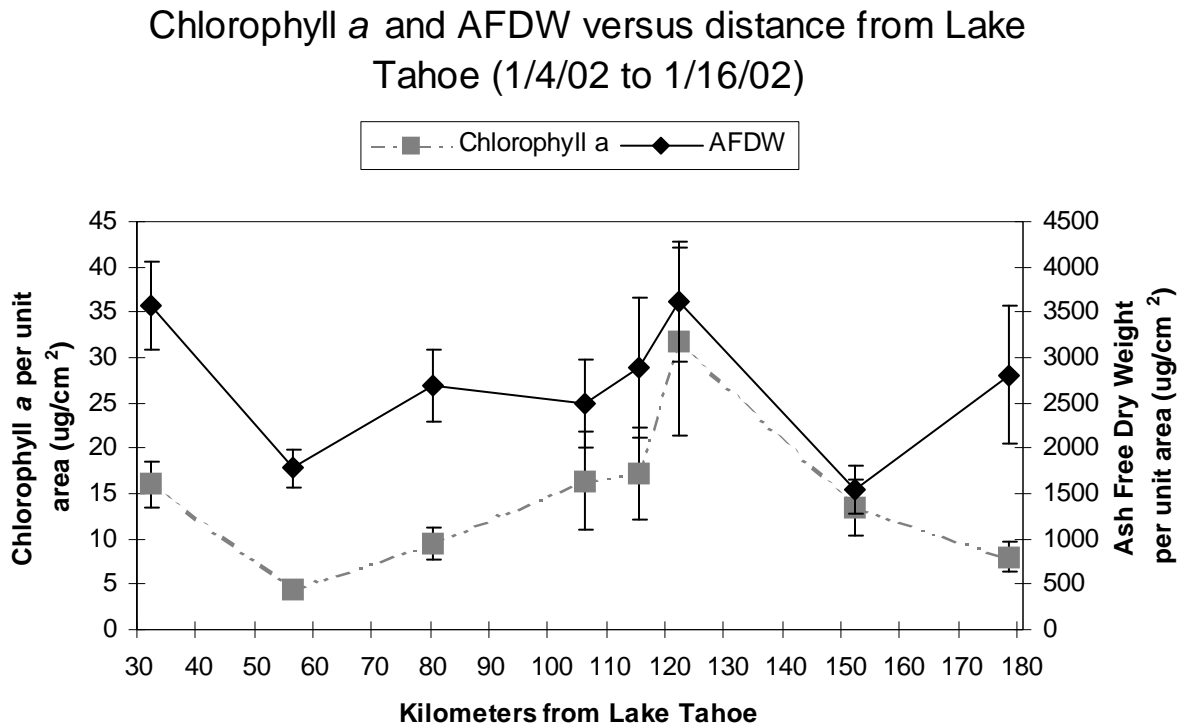


Figure 9, Epilithic chlorophyll a and ash free dry weight vs. distance from Lake Tahoe.

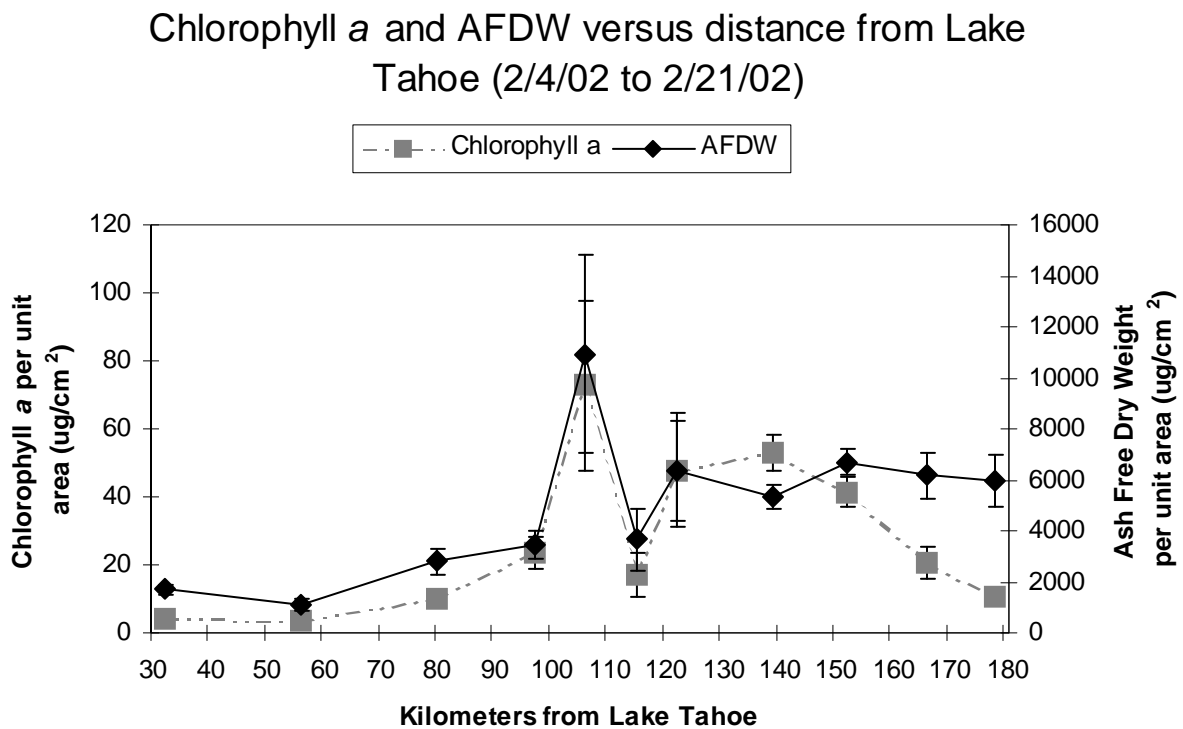


Figure 10, Epilithic chlorophyll a and ash free dry weight vs. distance from Lake Tahoe.

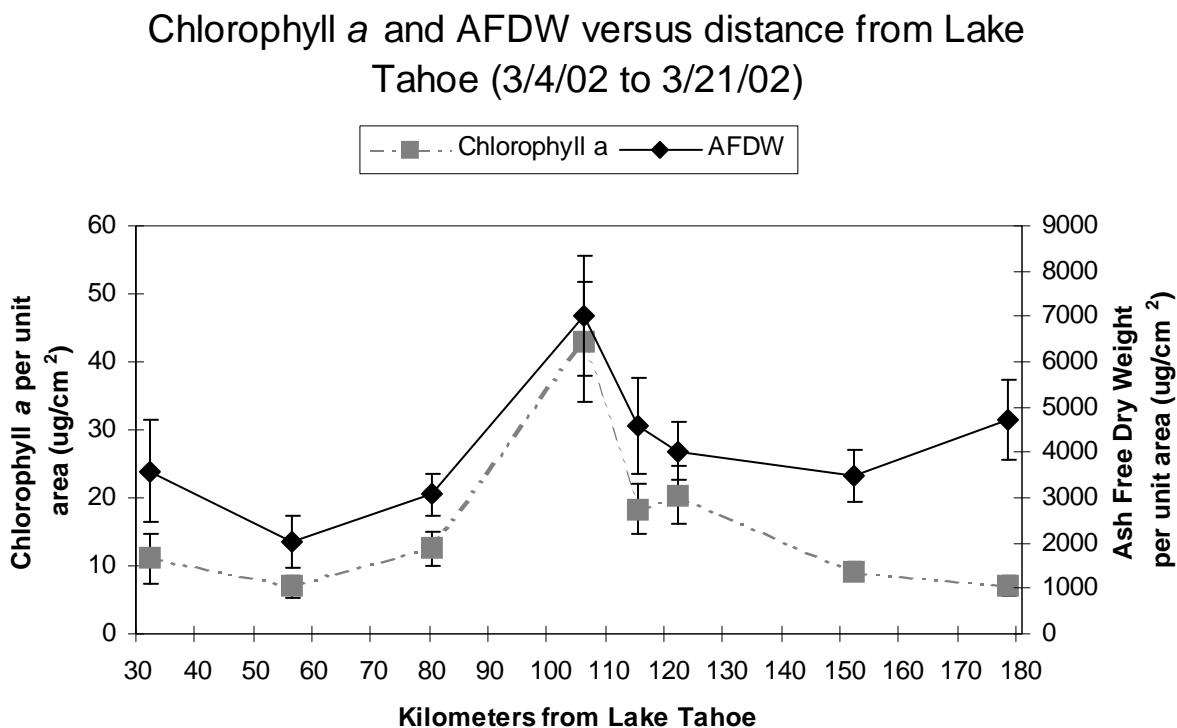


Figure 11, Epilithic chlorophyll a and ash free dry weight vs. distance from Lake Tahoe.

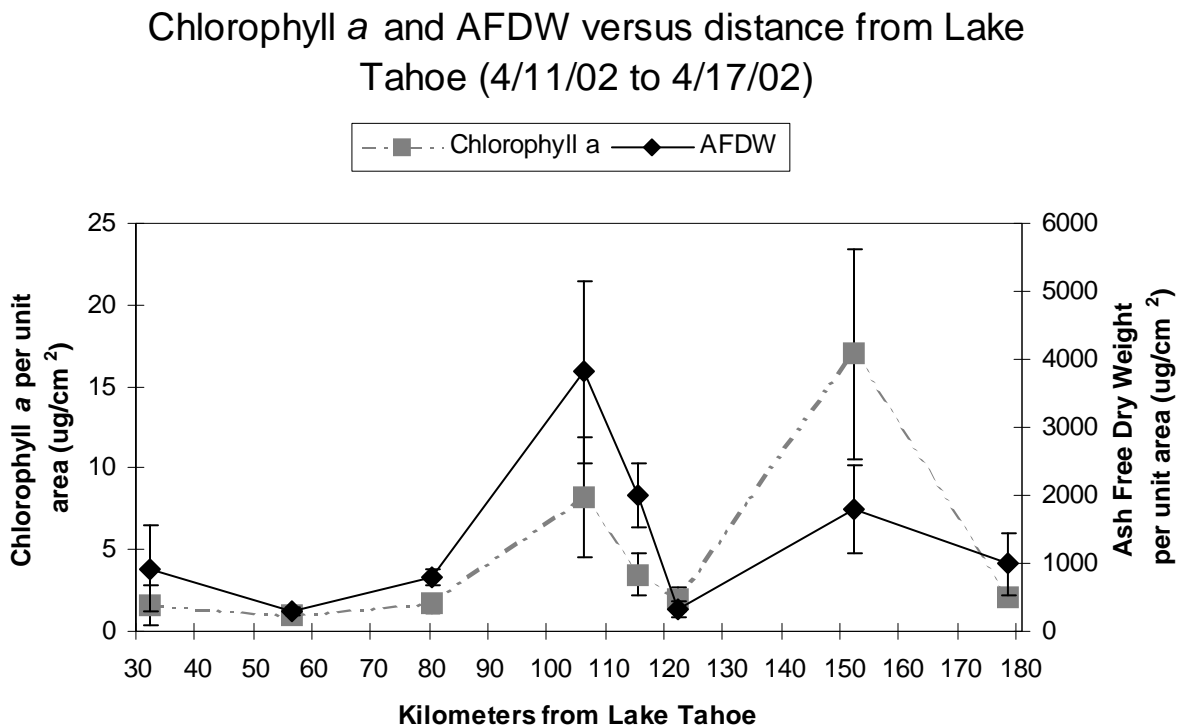


Figure 12, Epilithic chlorophyll a and ash free dry weight vs. distance from Lake Tahoe.

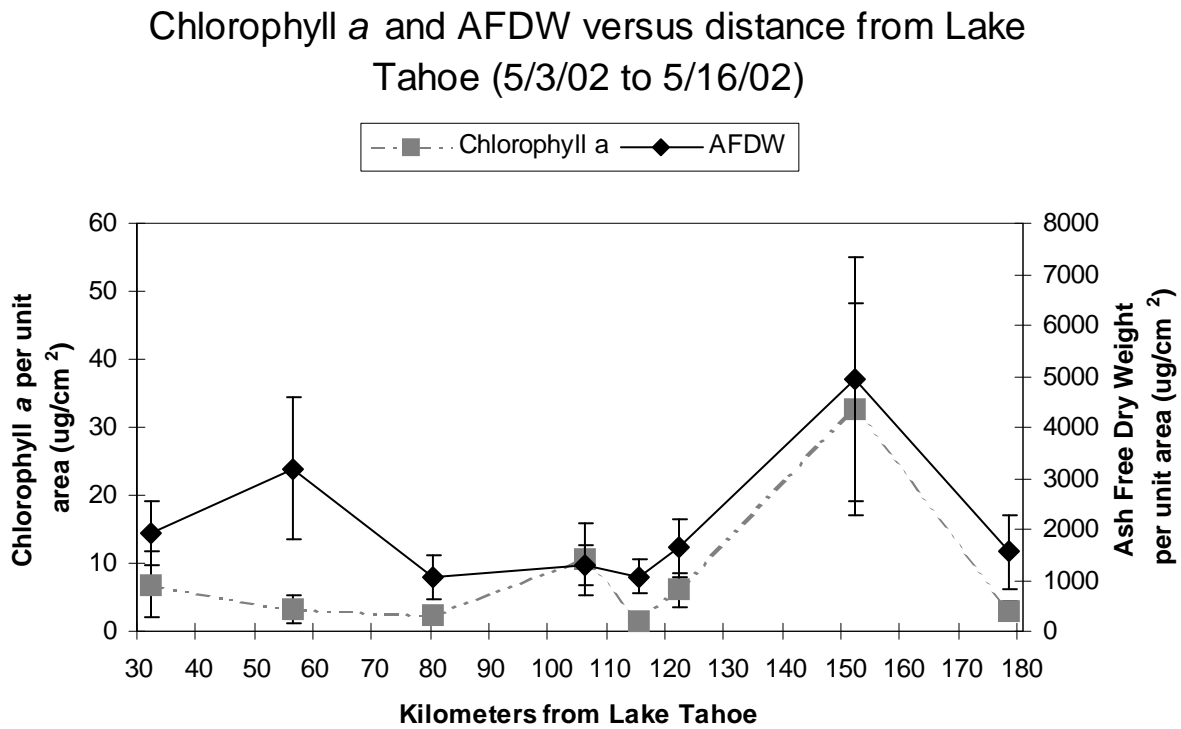


Figure 13, Epilithic chlorophyll a and ash free dry weight vs. distance from Lake Tahoe.

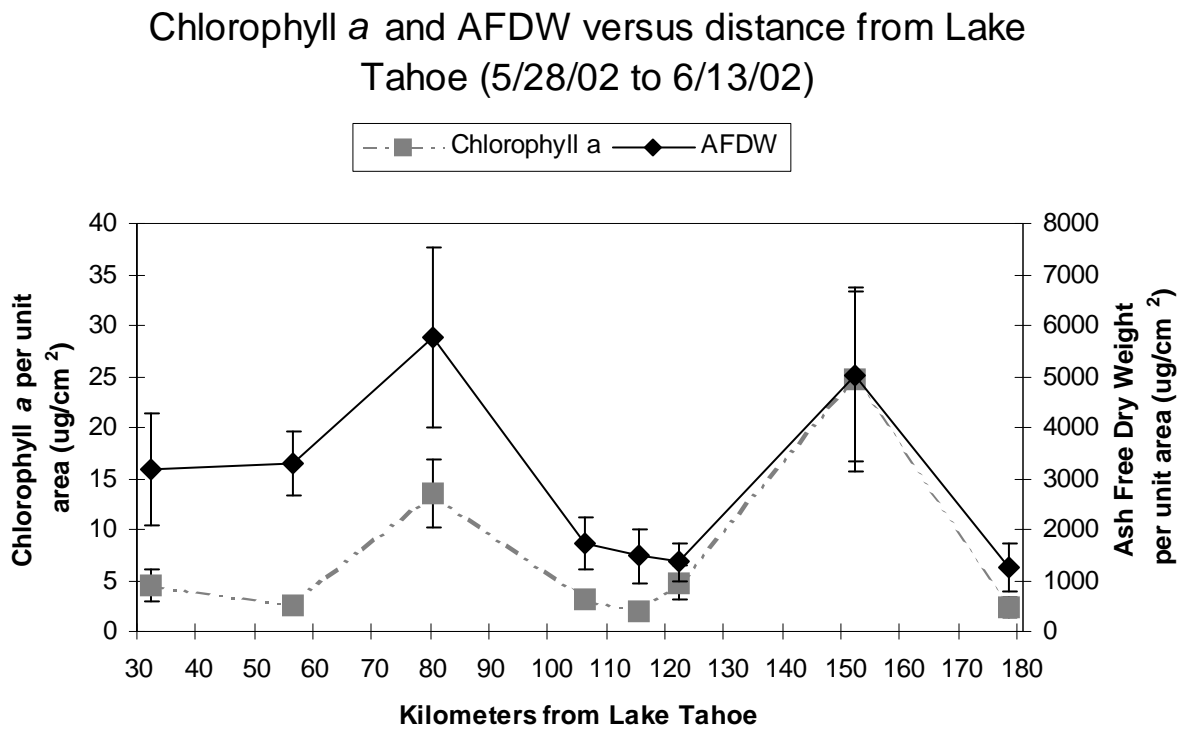


Figure 14, Epilithic chlorophyll a and ash free dry weight vs. distance from Lake Tahoe.

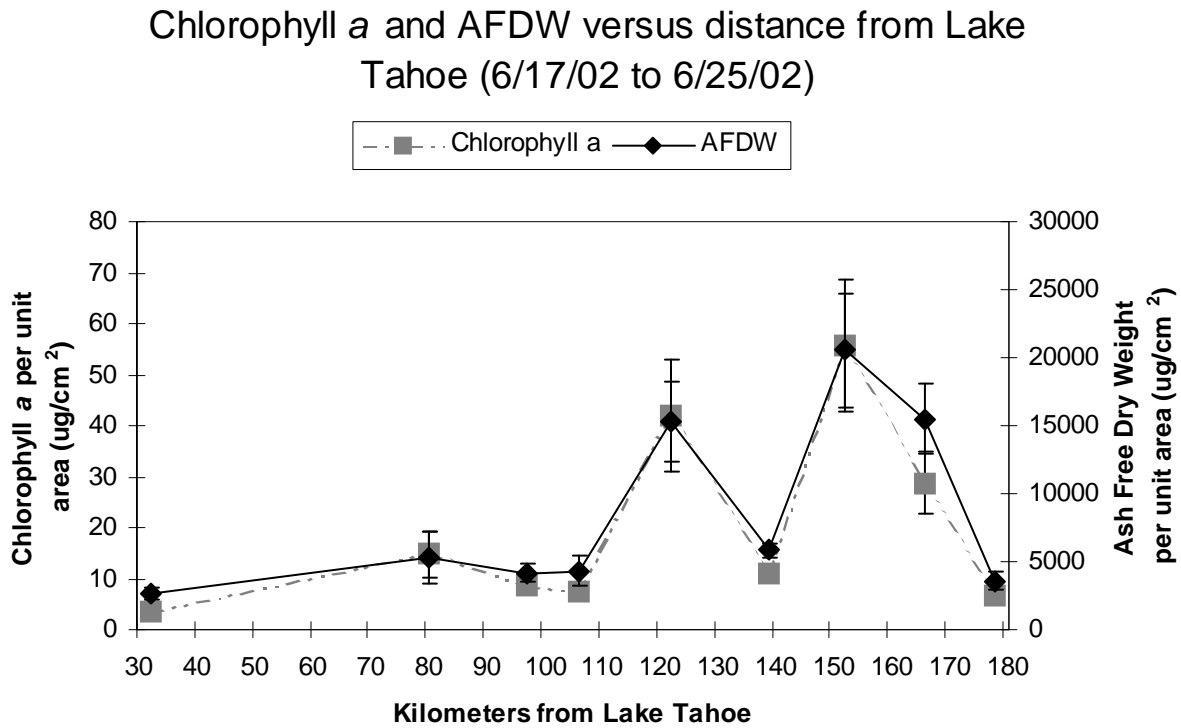


Figure 15, Epilithic chlorophyll a and ash free dry weight vs. distance from Lake Tahoe.

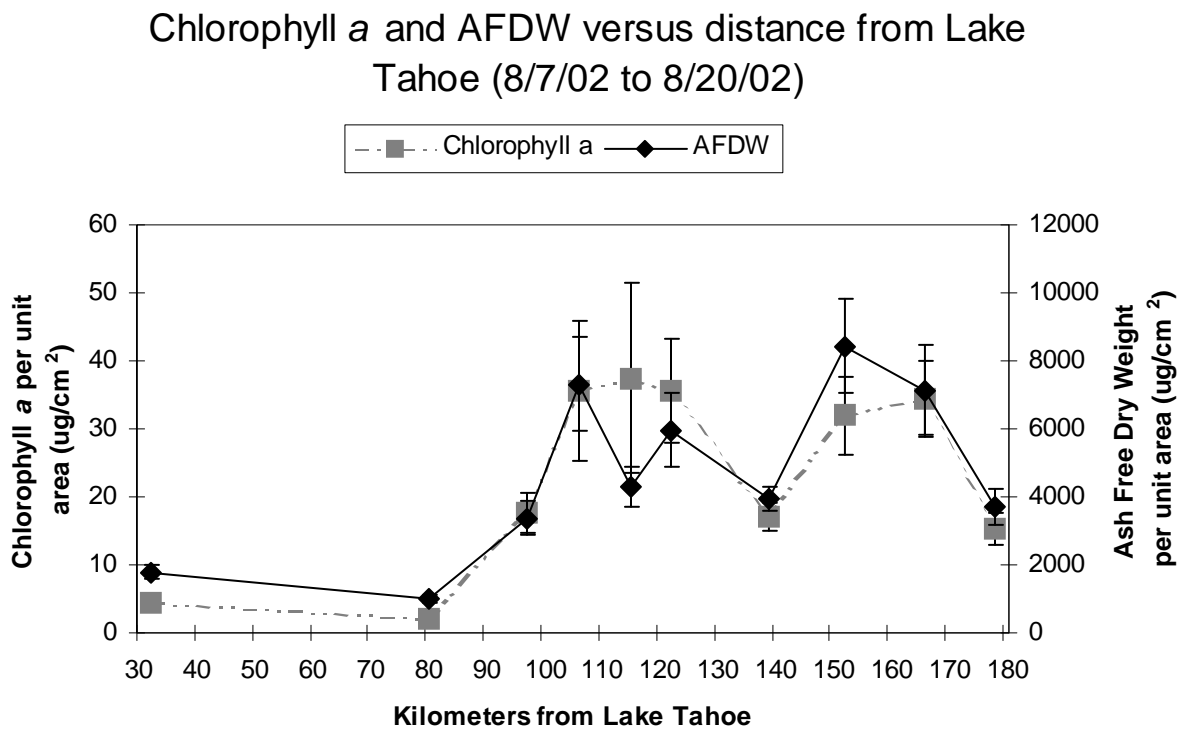


Figure 16, Epilithic chlorophyll a vs. time.

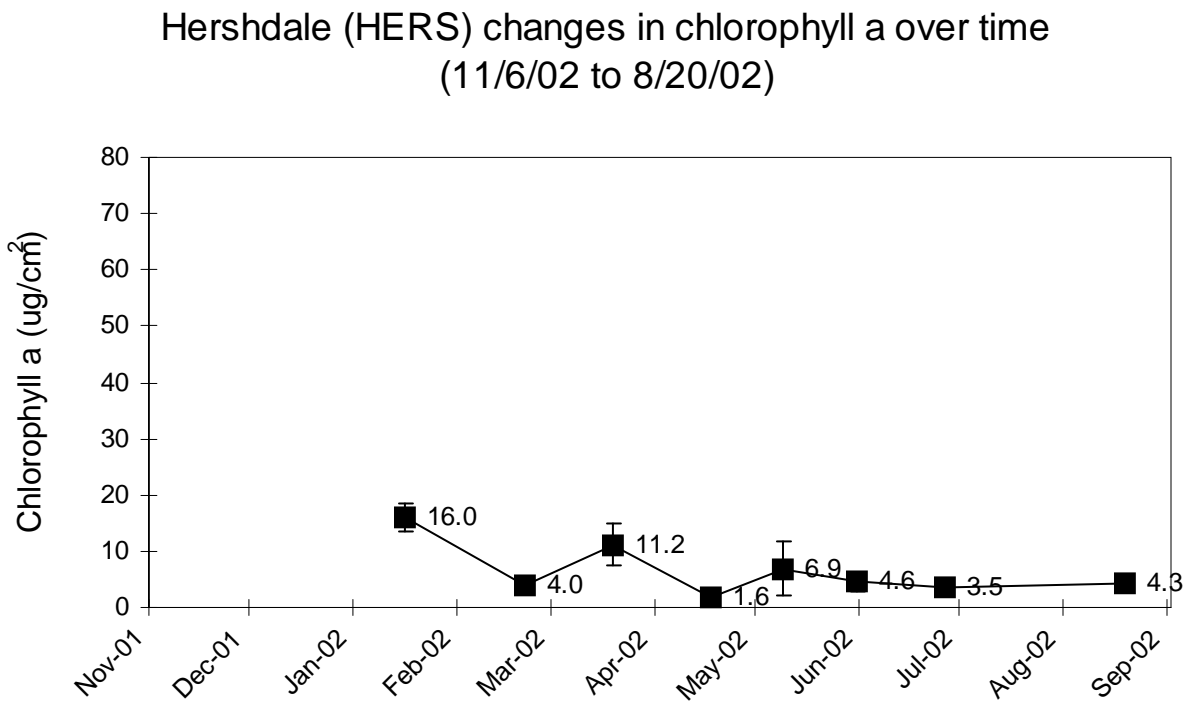


Figure 17, Epilithic chlorophyll a vs. time.

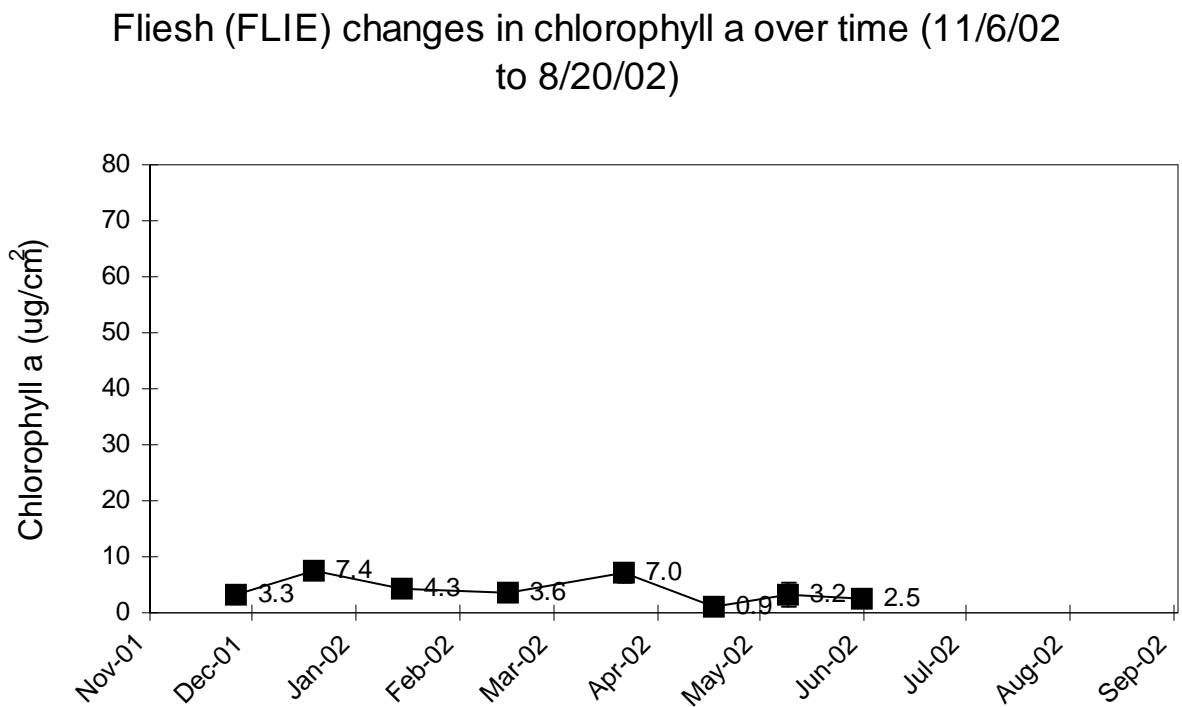


Figure 18, Epilithic chlorophyll a vs. time.

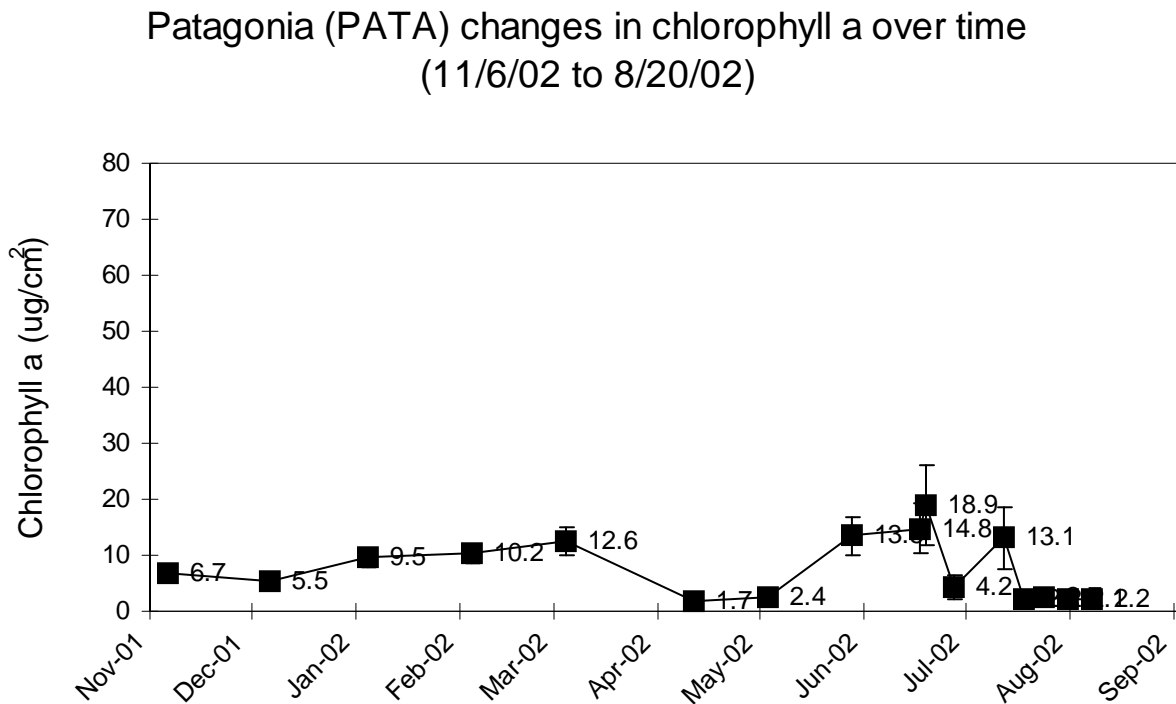


Figure 19, Epilithic chlorophyll a vs. time.

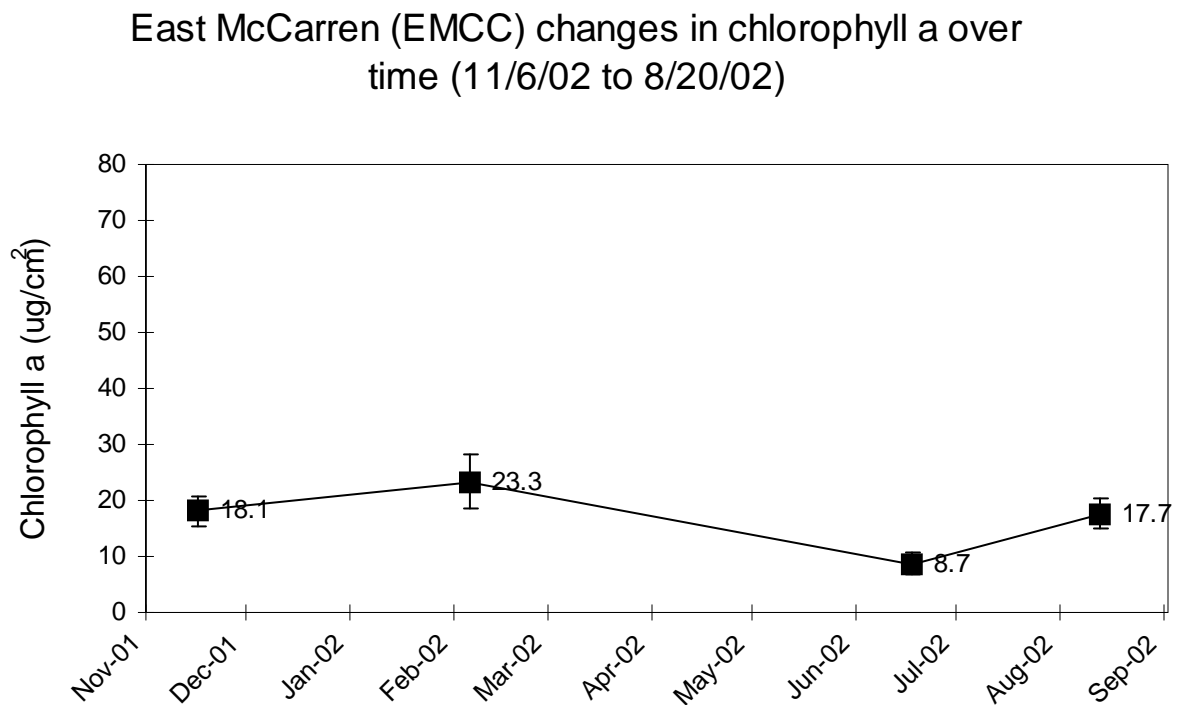


Figure 20, Epilithic chlorophyll a vs. time.

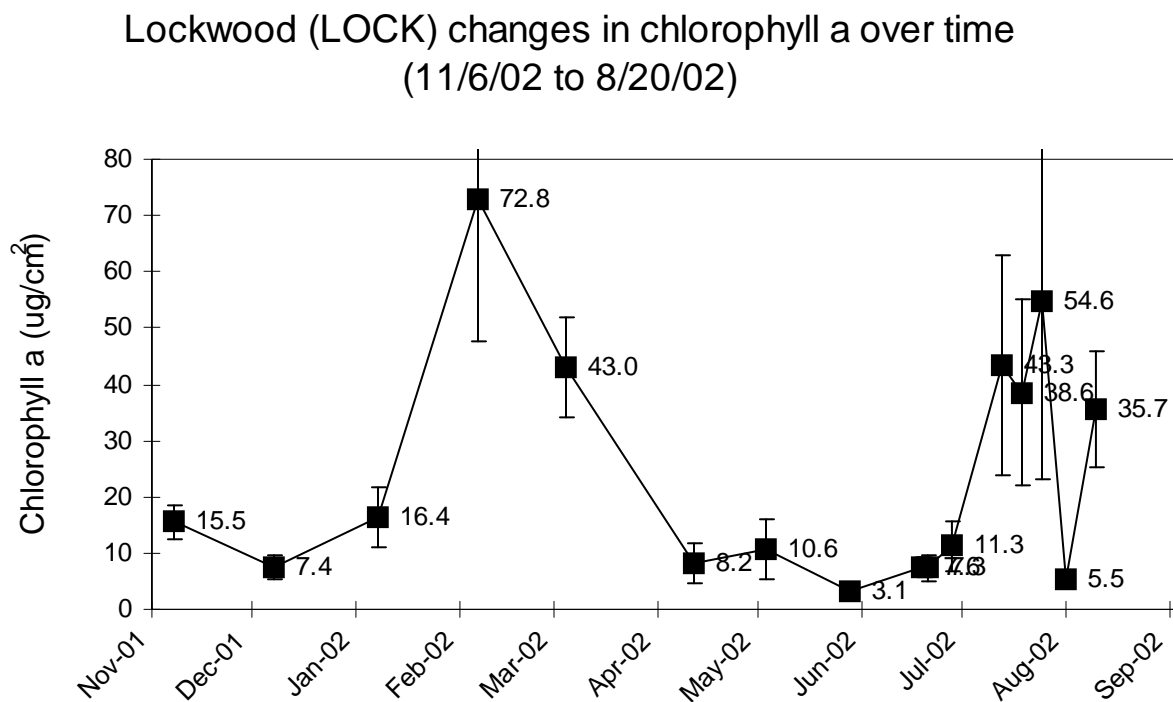


Figure 21, Epilithic chlorophyll a vs. time.

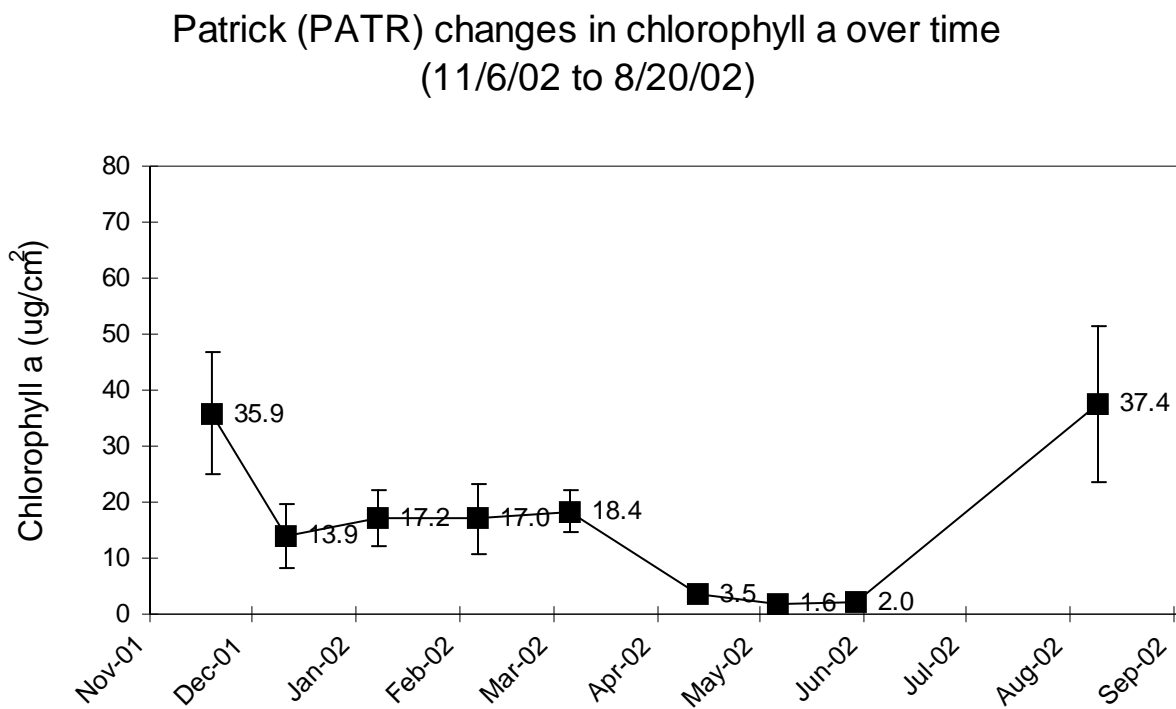


Figure 22, Epilithic chlorophyll a vs. time.

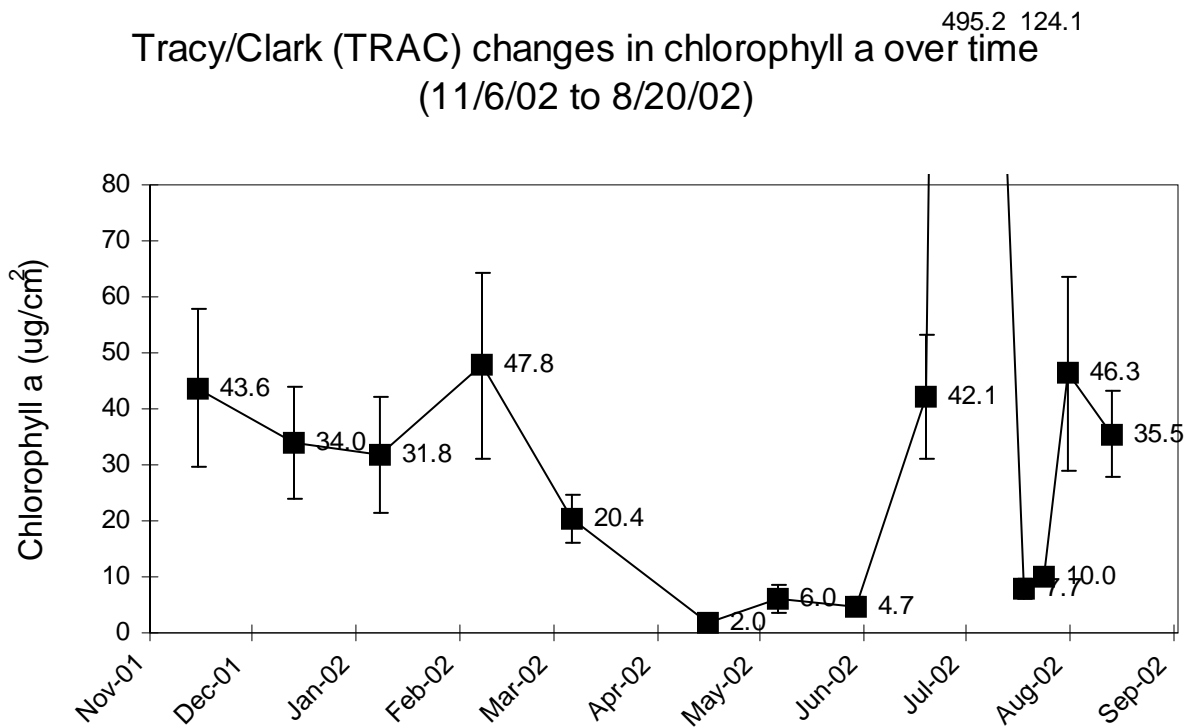


Figure 23, Epilithic chlorophyll a vs. time.

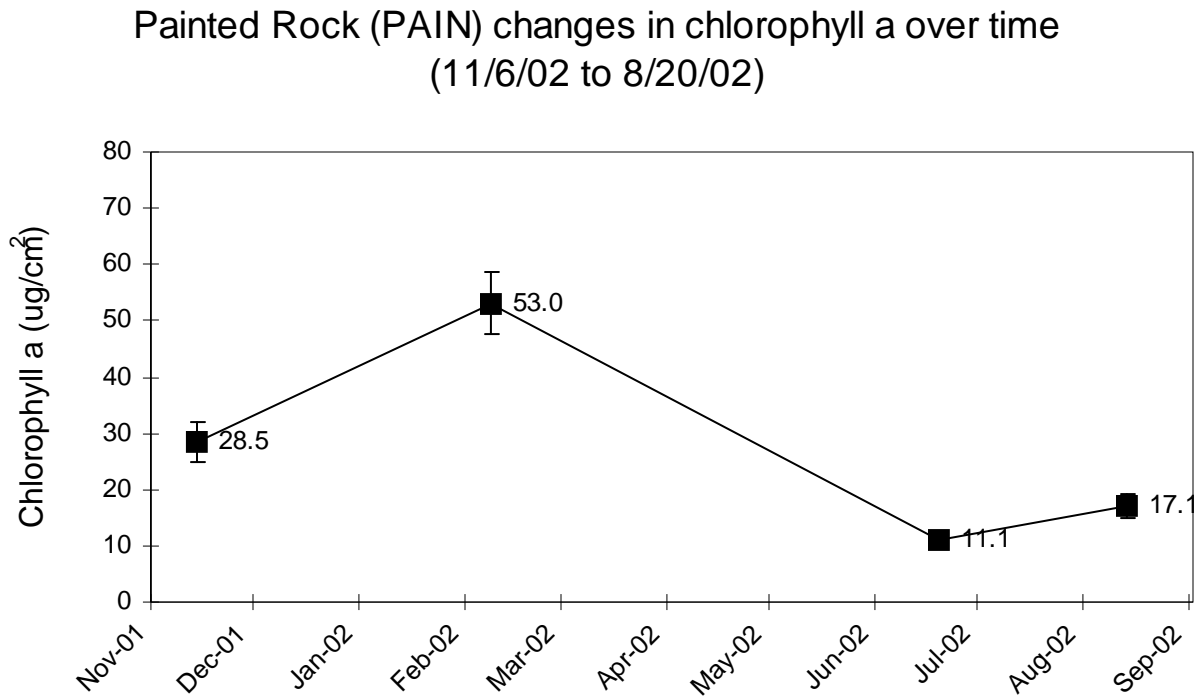


Figure 24, Epilithic chlorophyll a vs. time.

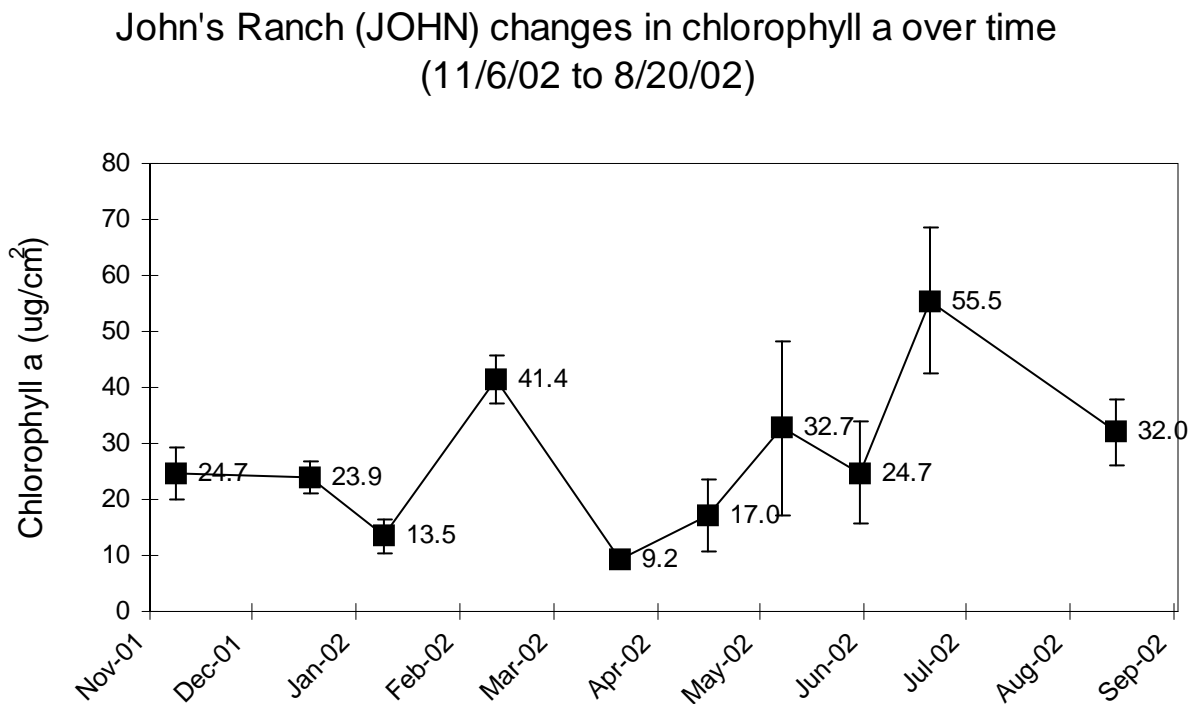


Figure 25, Epilithic chlorophyll a vs. time.

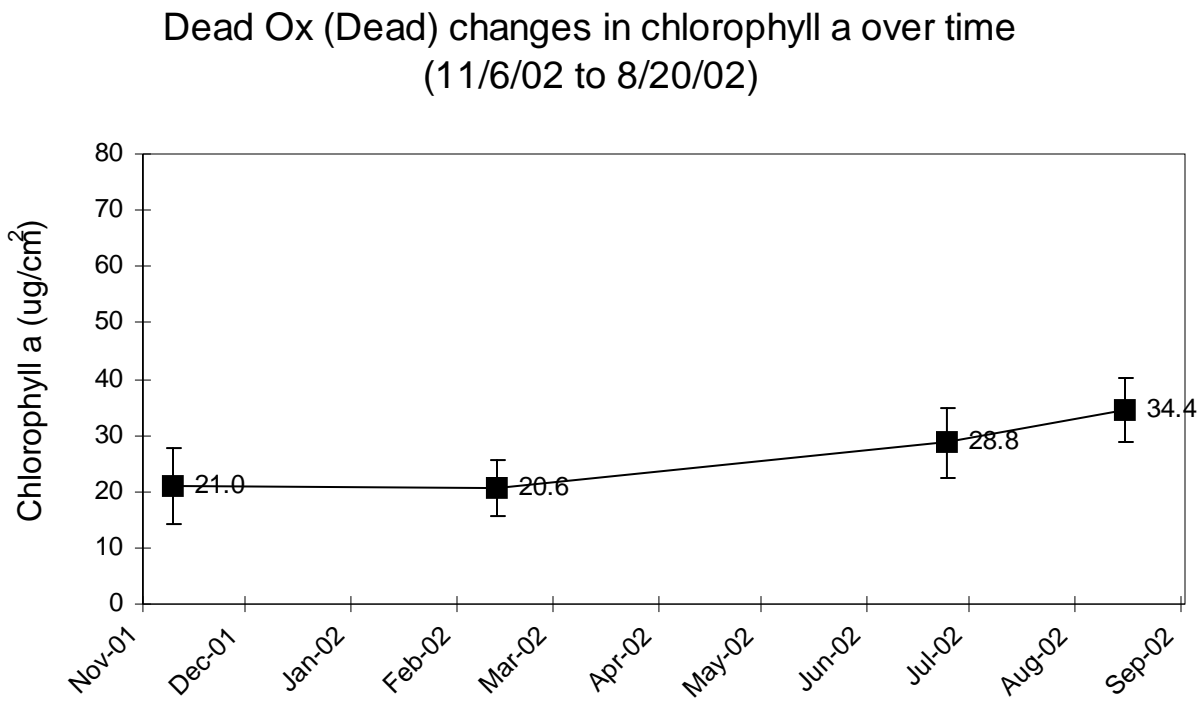


Figure 26, Epilithic chlorophyll a vs. time.

Little Nixon (LNIX) changes in chlorophyll a over time  
(11/6/02 to 8/20/02)

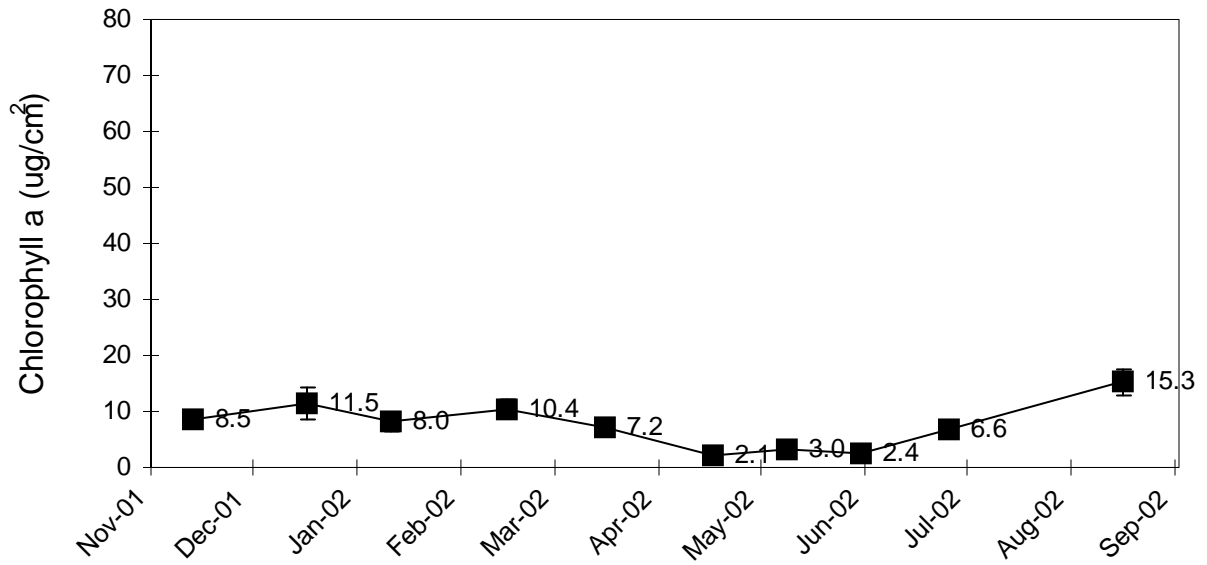


Figure 27, Average epissamic chlorophyll a vs. distance from Lake Tahoe.

### Truckee River epissamic chlorophyll a versus distance from Lake Tahoe (11/6/02 to 8/20/02)

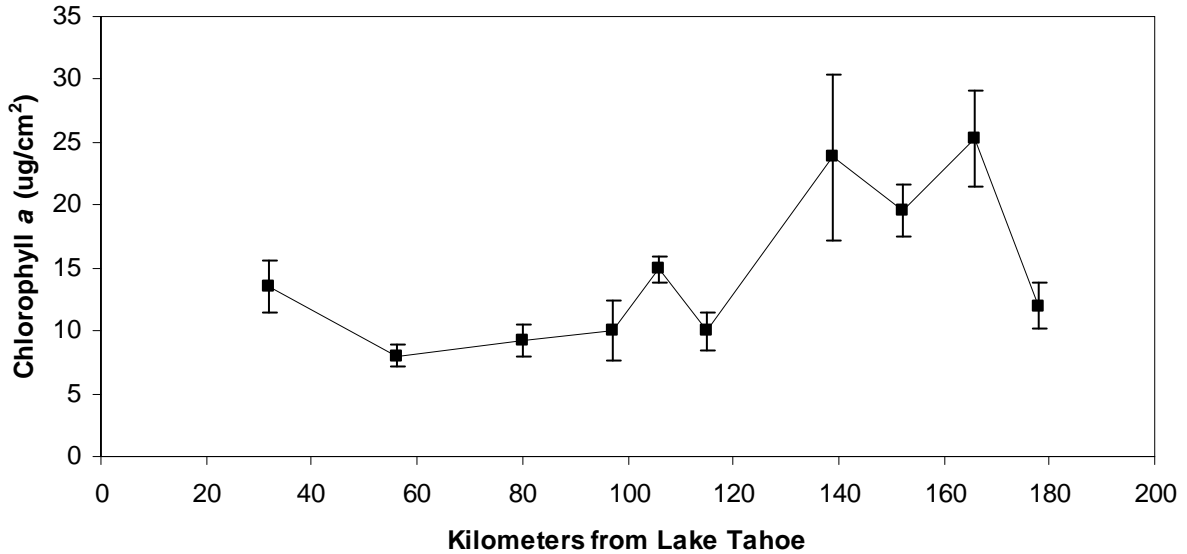


Figure 28, Average epissamic ash free dry weight vs. distance from Lake Tahoe.

### Truckee River epissamic ash free fry weight versus distance from Lake Tahoe (11/6/02 to 8/20/02)

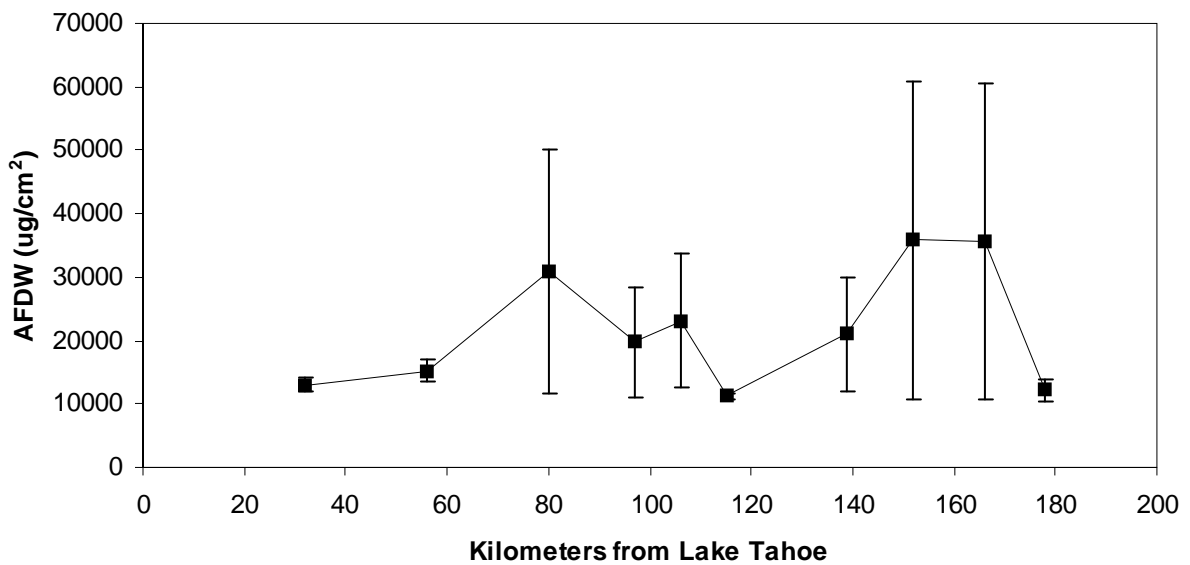


Figure 29, Epissamic chlorophyll a and ash free dry weight vs. time.

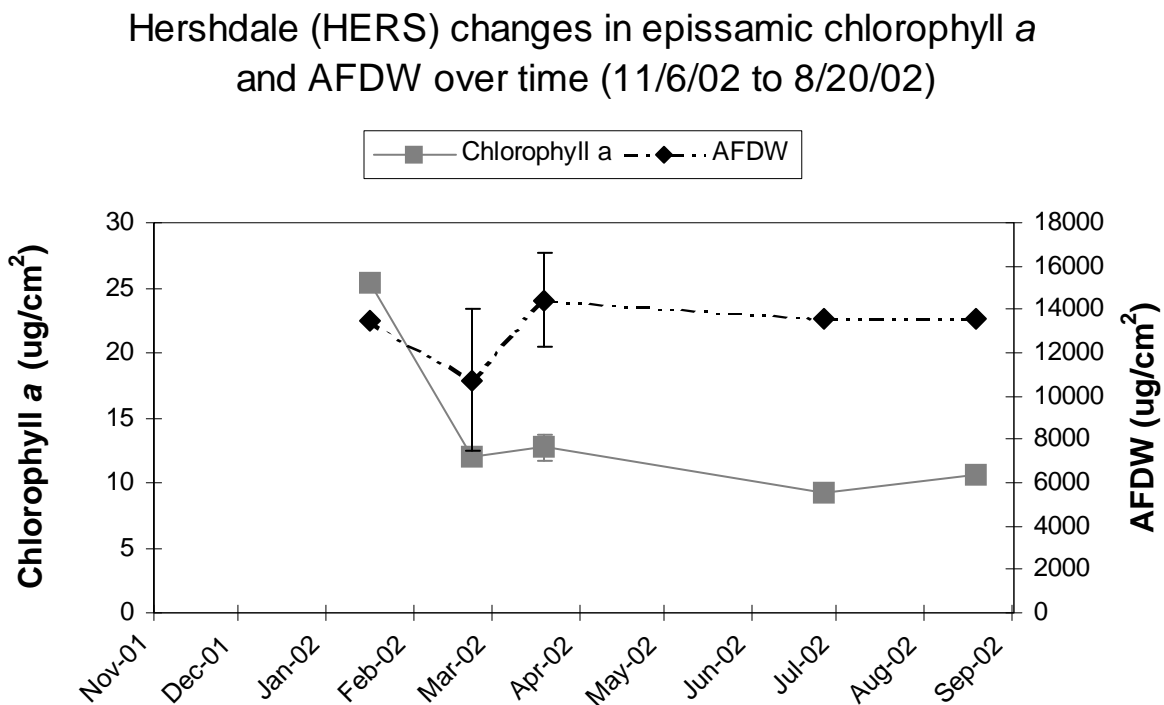


Figure 30, Epissamic chlorophyll a and ash free dry weight vs. time.

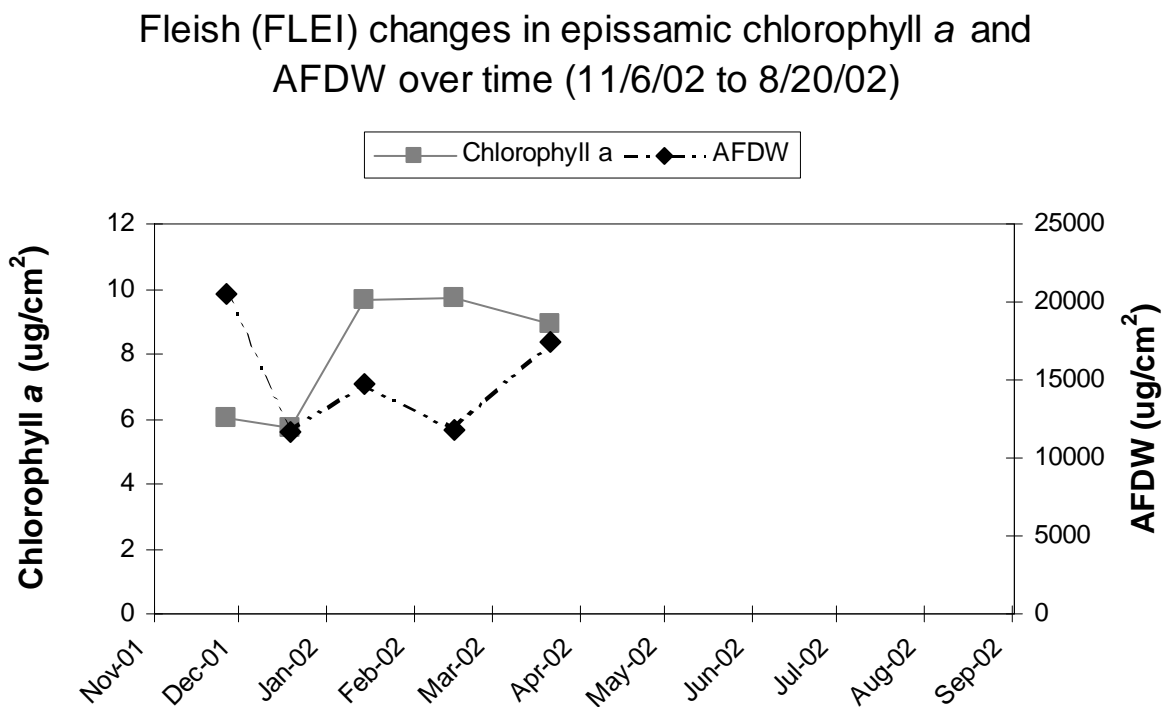


Figure 31, Epissamic chlorophyll a and ash free dry weight vs. time.

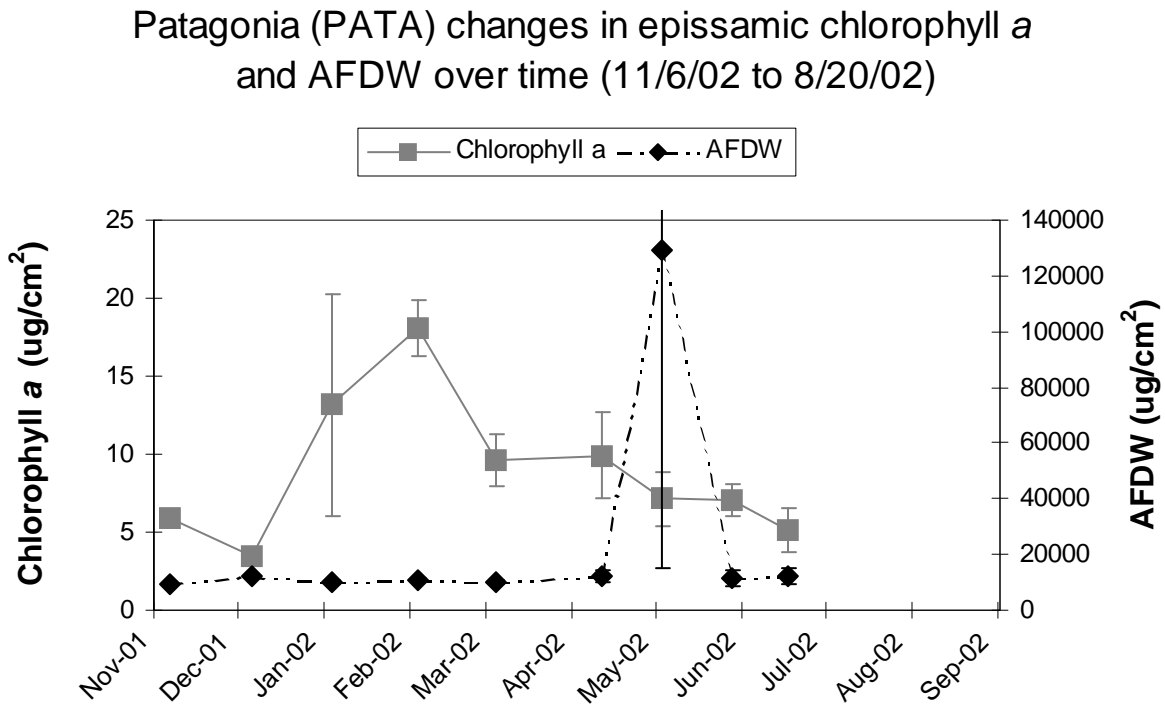


Figure 32, Epissamic chlorophyll a and ash free dry weight vs. time.

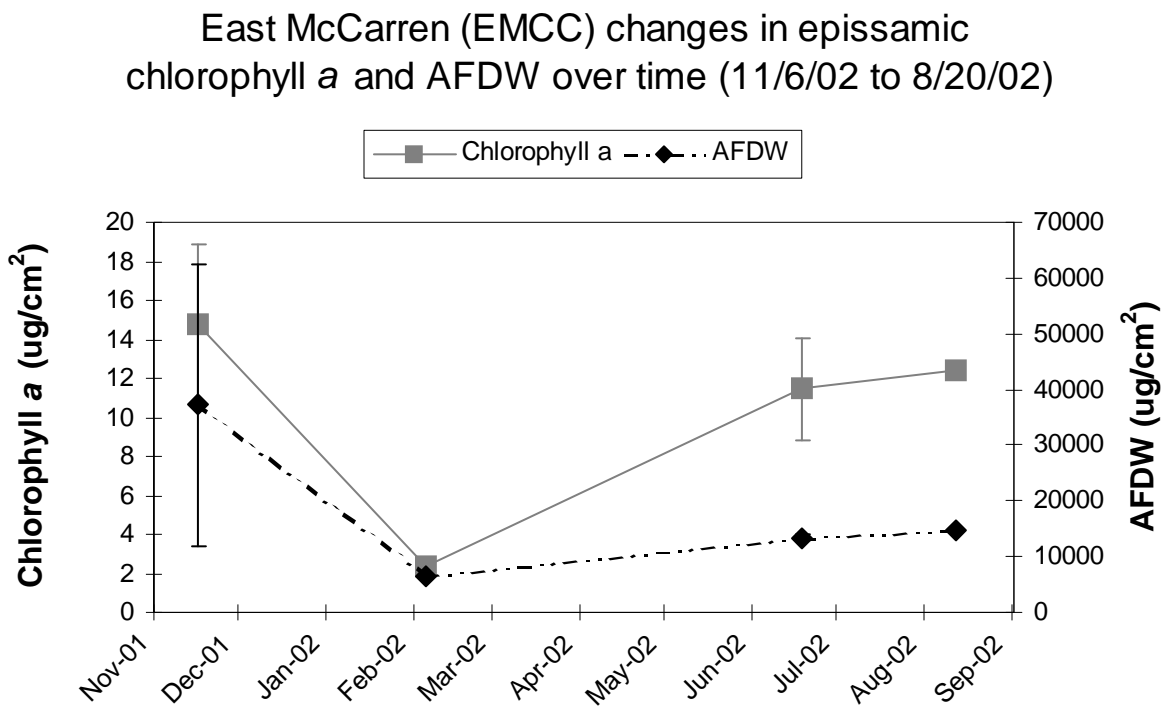


Figure 33, Epissamic chlorophyll a and ash free dry weight vs. time.

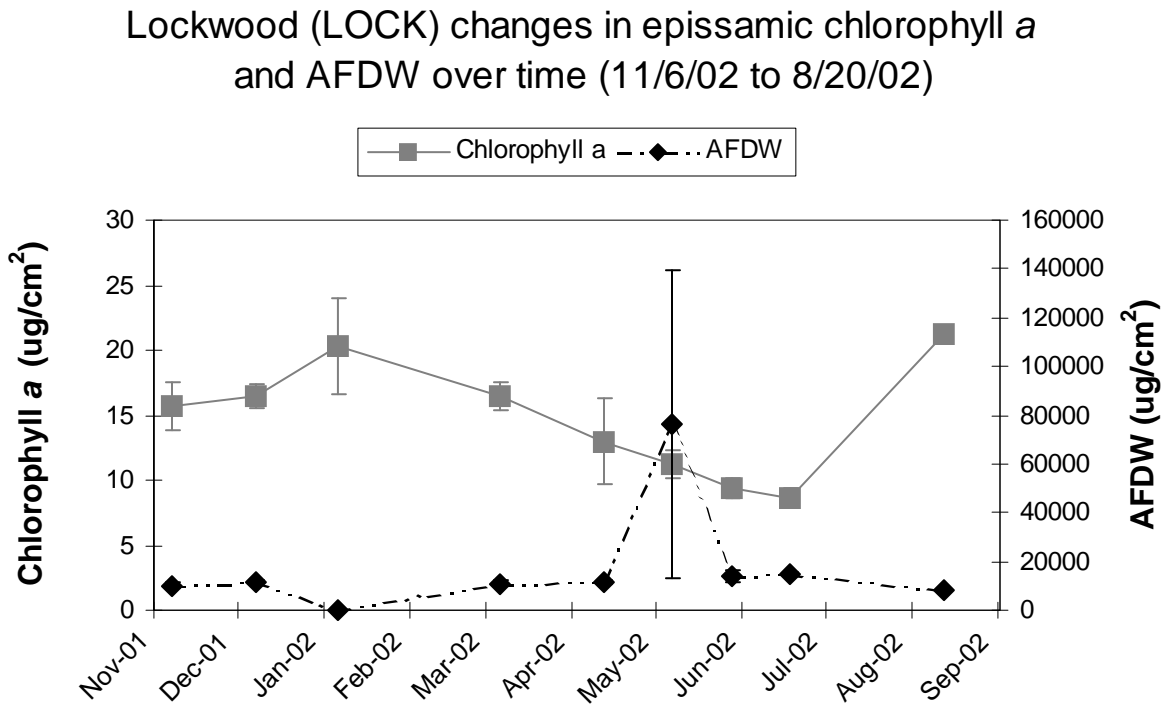


Figure 34, Epissamic chlorophyll a and ash free dry weight vs. time.

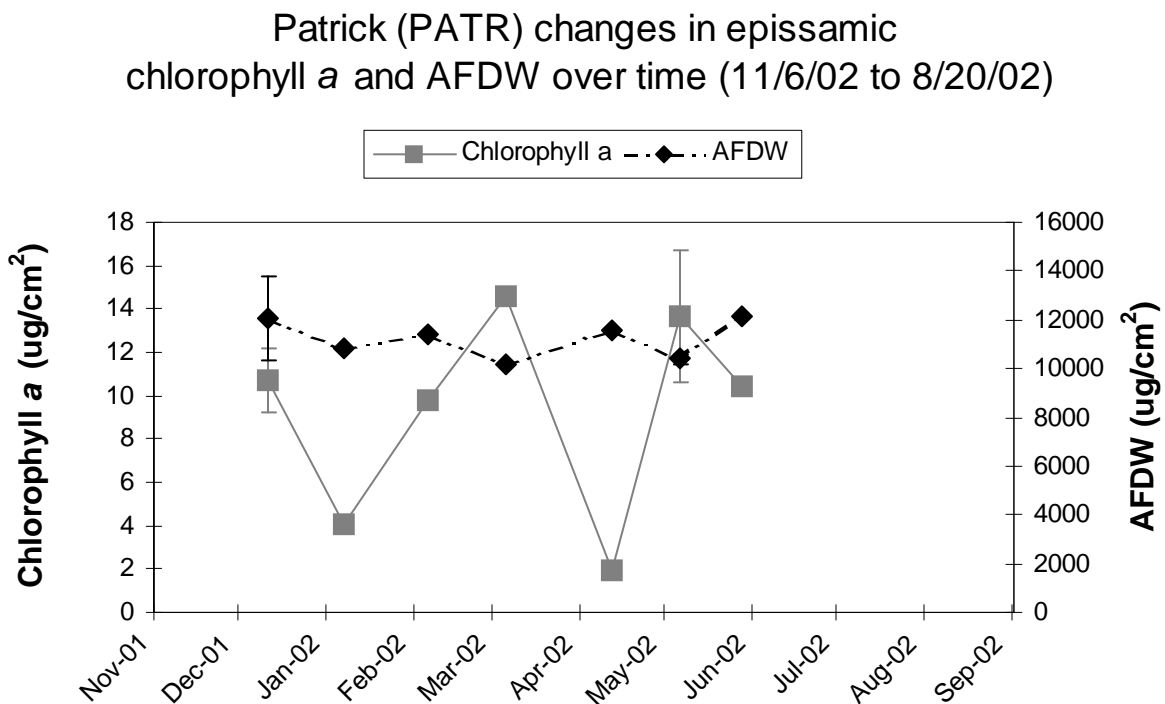


Figure 35, Epissamic chlorophyll *a* and ash free dry weight vs. time.

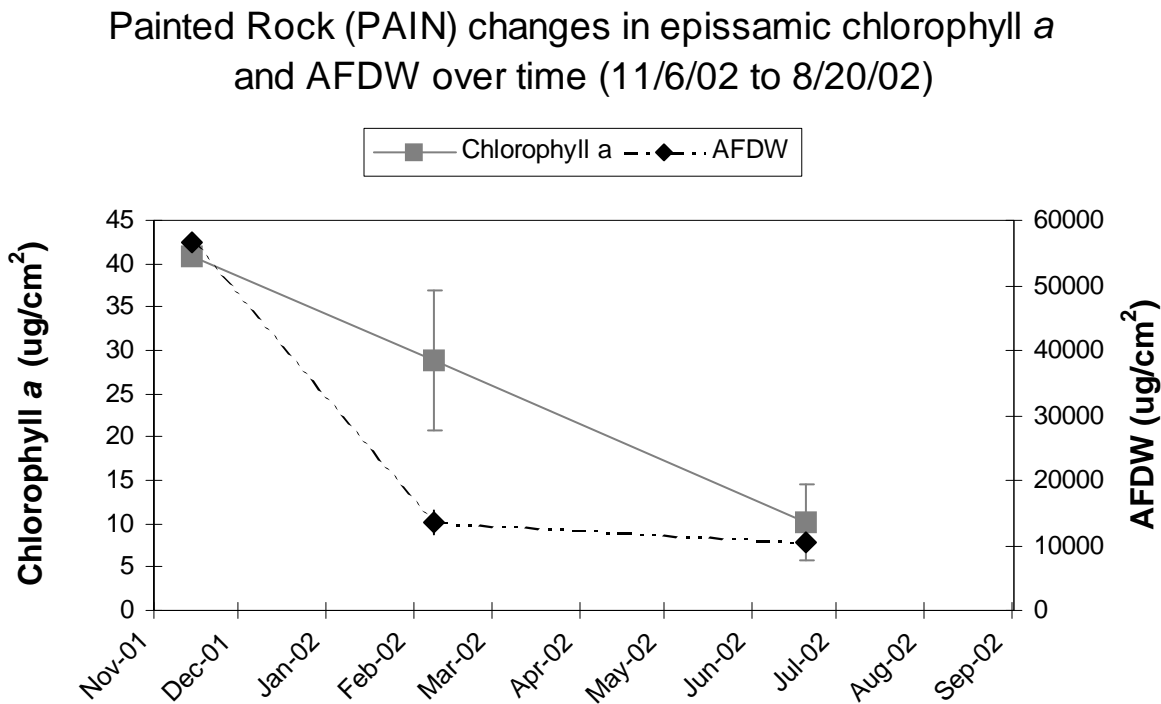


Figure 36, Epissamic chlorophyll *a* and ash free dry weight vs. time.

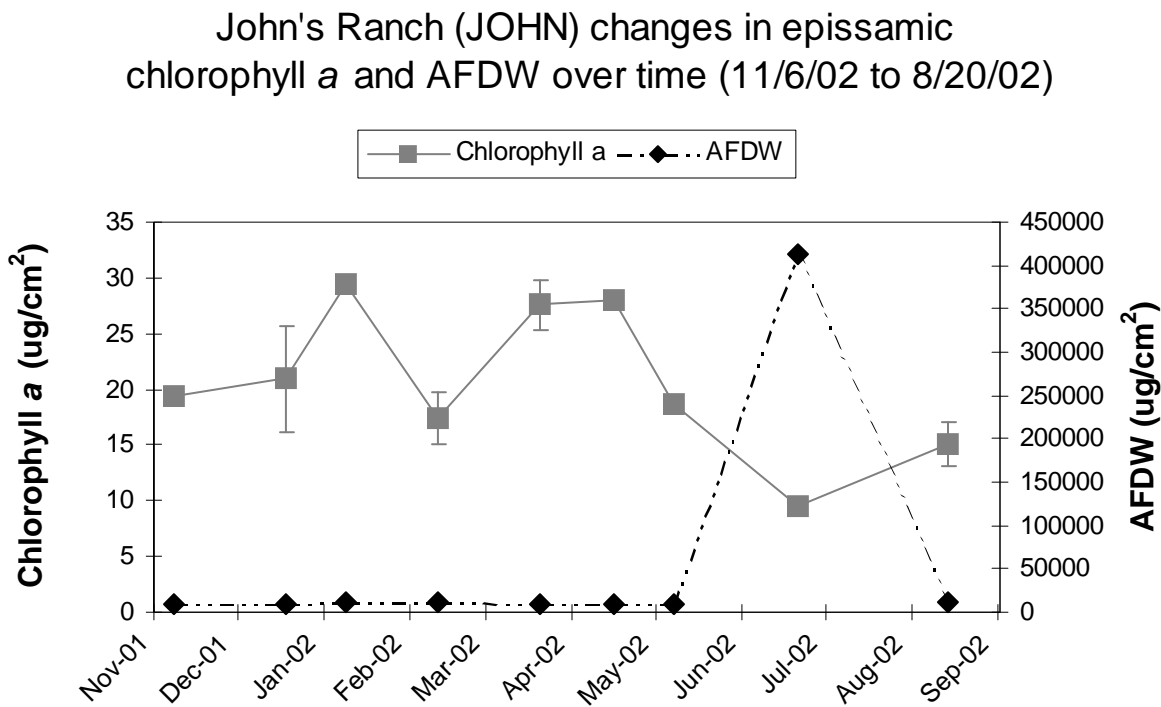


Figure 37, Epissamic chlorophyll a and ash free dry weight vs. time.

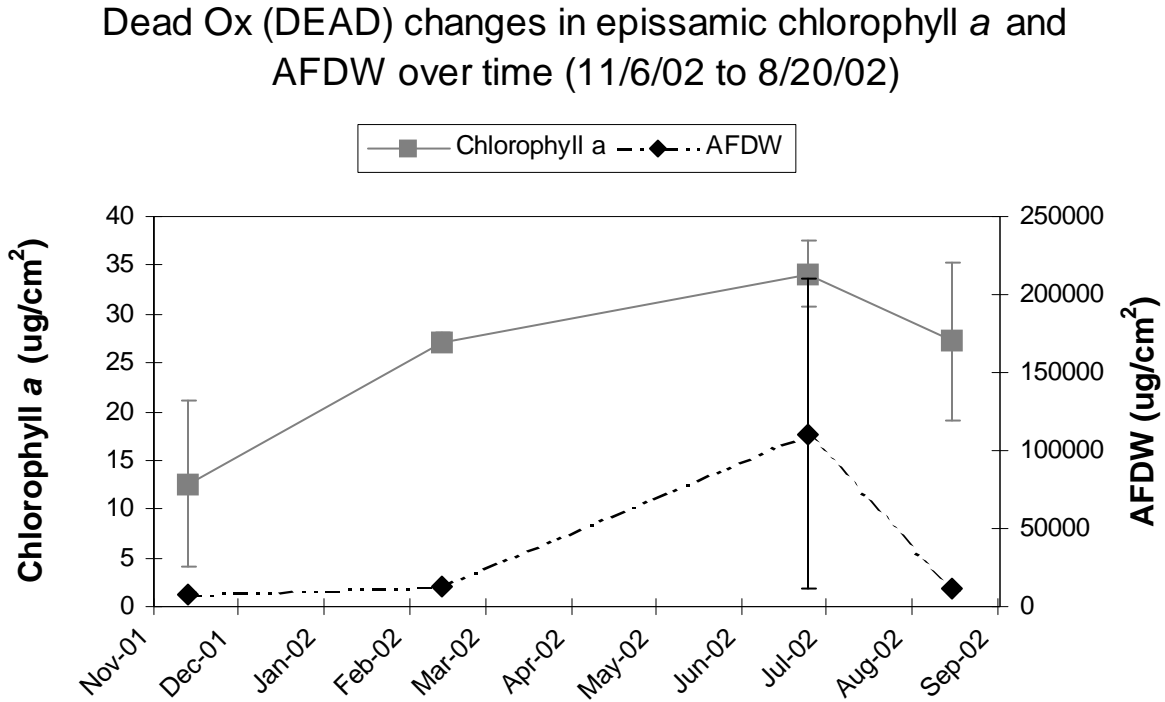


Figure 38, Epissamic chlorophyll a and ash free dry weight vs. time.

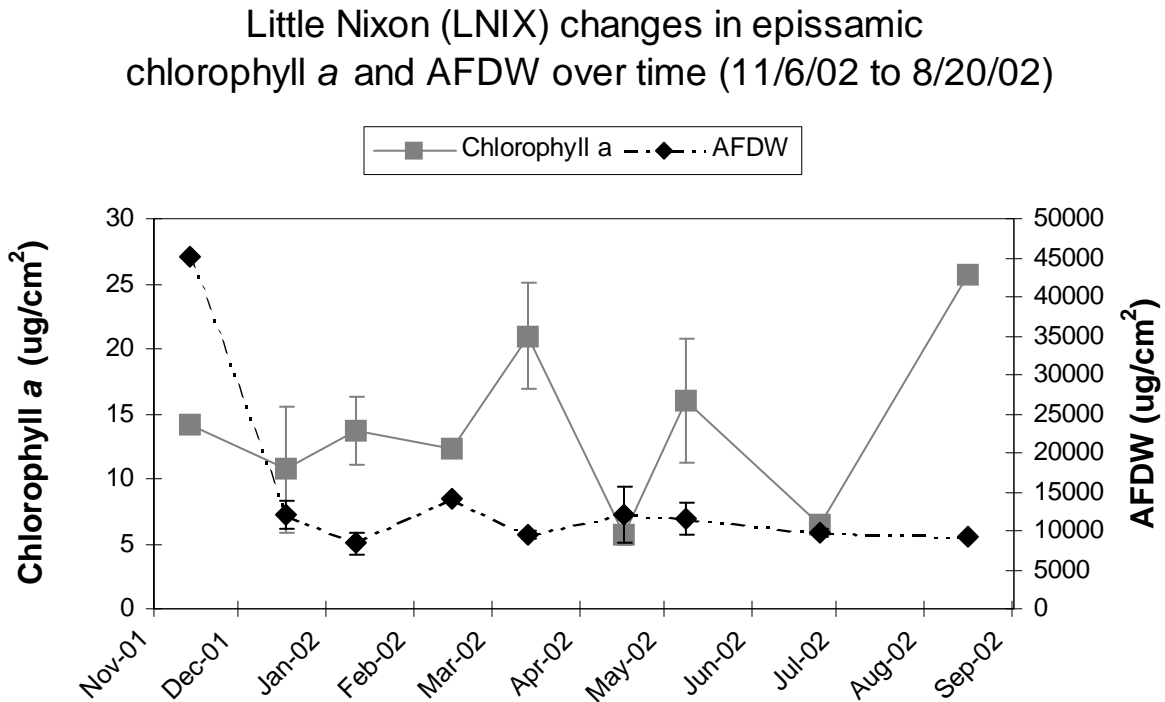


Figure 39, Macrophyte ash free dry weight vs. time.

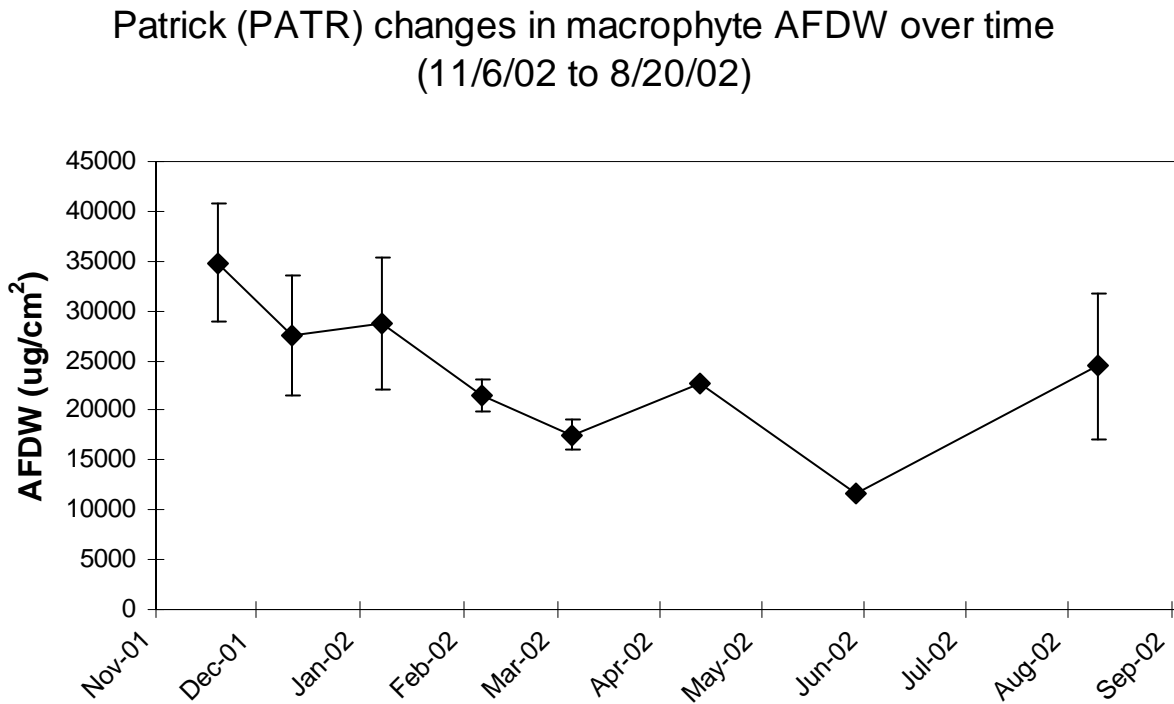


Figure 40, Macrophyte ash free dry weight vs. time.

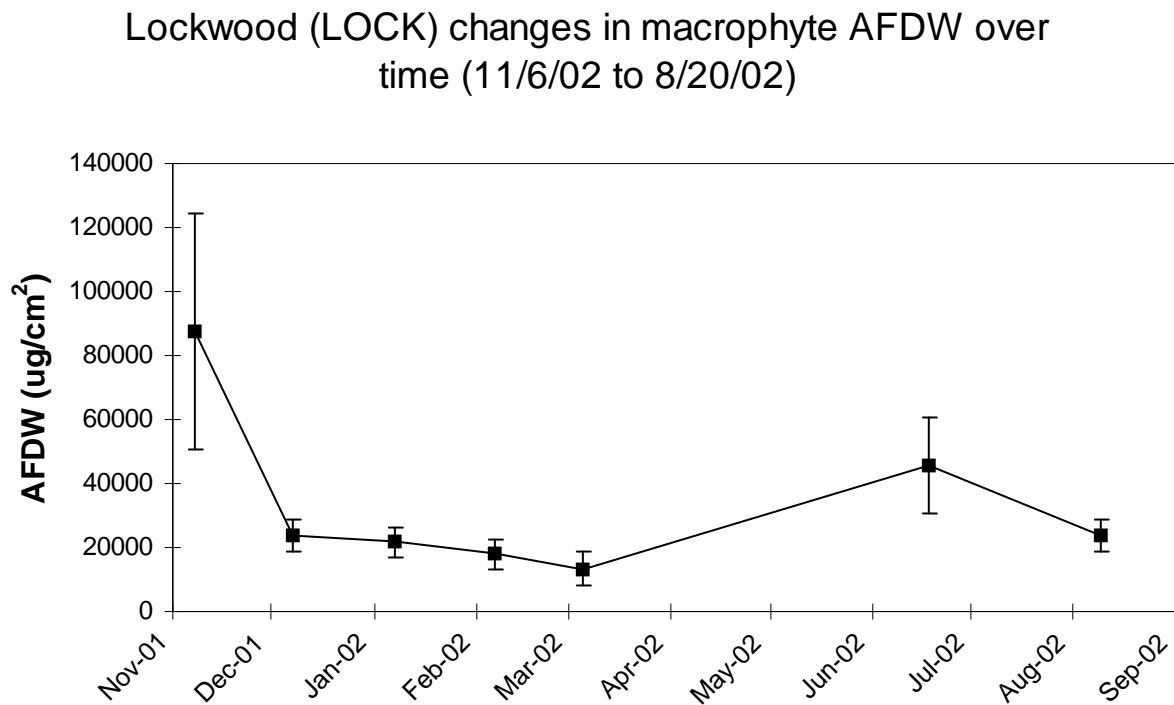


Figure 41, Macrophyte ash free dry weight vs. time.

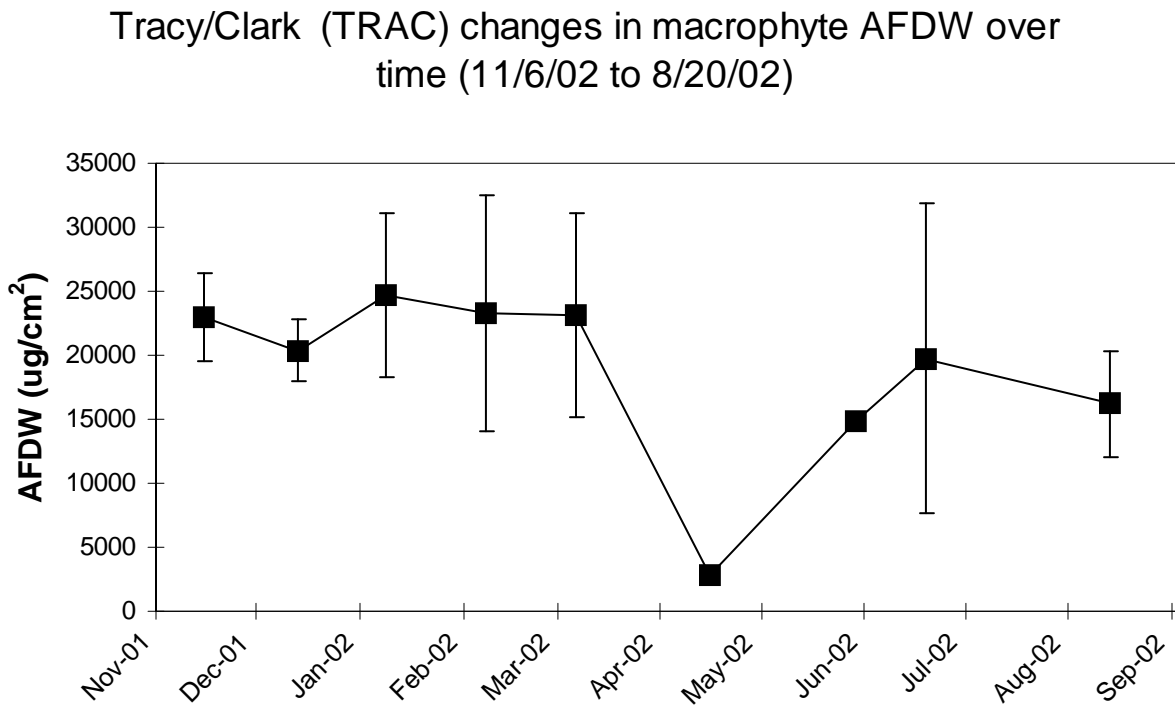


Figure 42, Macrophyte ash free dry weight vs. time.

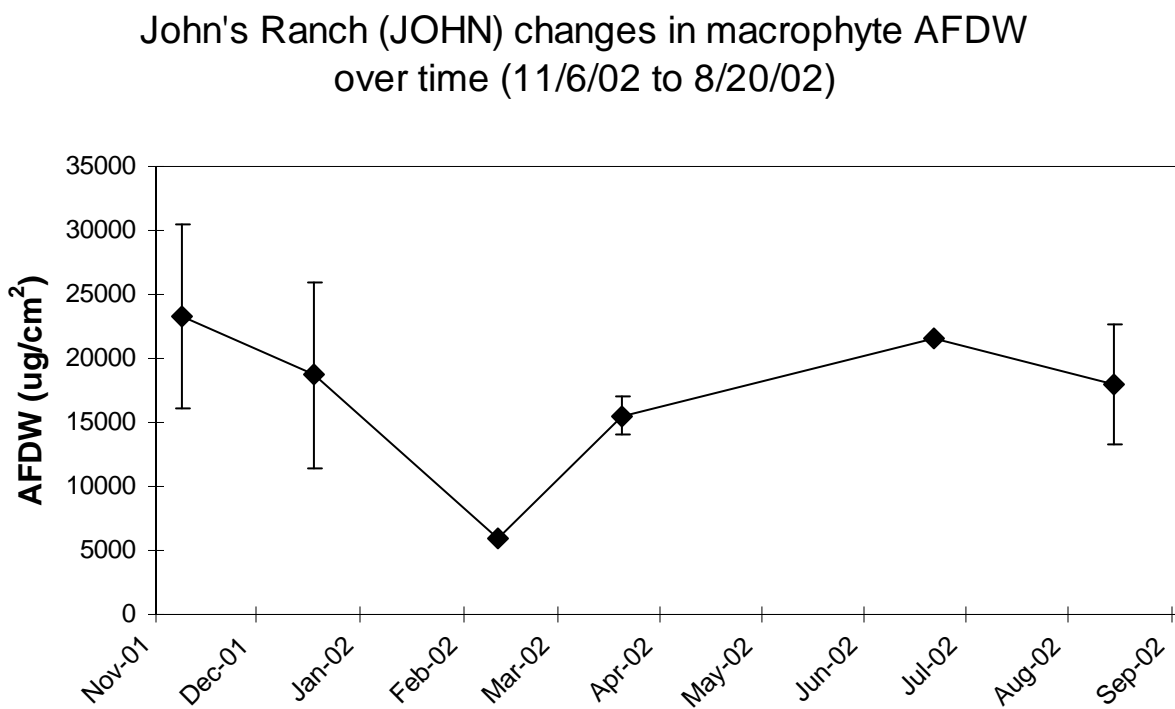


Figure 43, Macrophyte ash free dry weight vs. time.

Dead Ox (DEAD) changes in macrophyte AFDW over time (11/6/02 to 8/20/02)

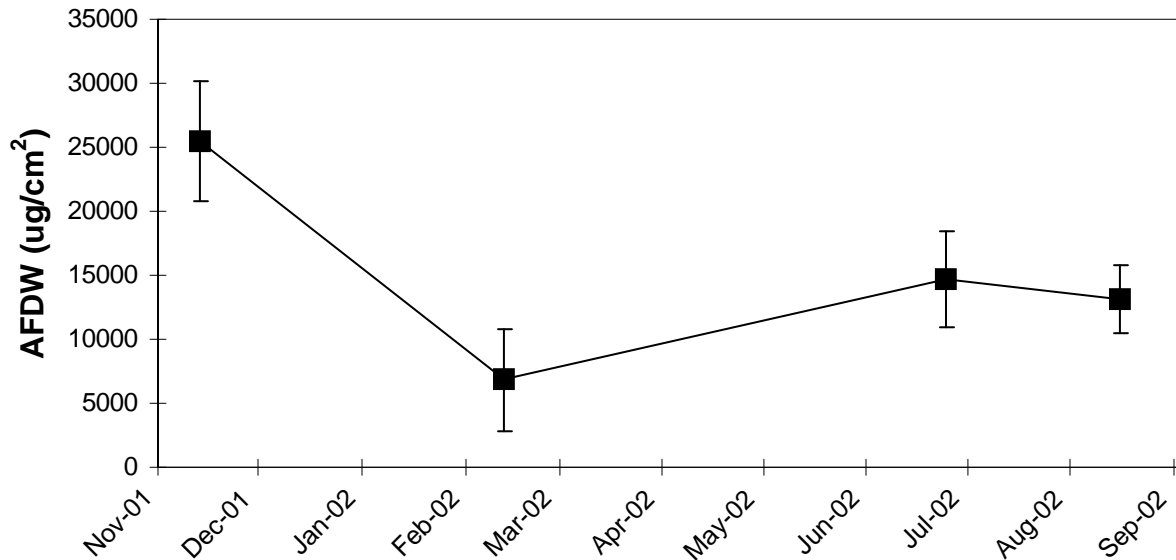


Figure 44, Macrophyte ash free dry weight vs. time.

Little Nixon (LNIX) changes in macrophyte AFDW over time (11/6/02 to 8/20/02)

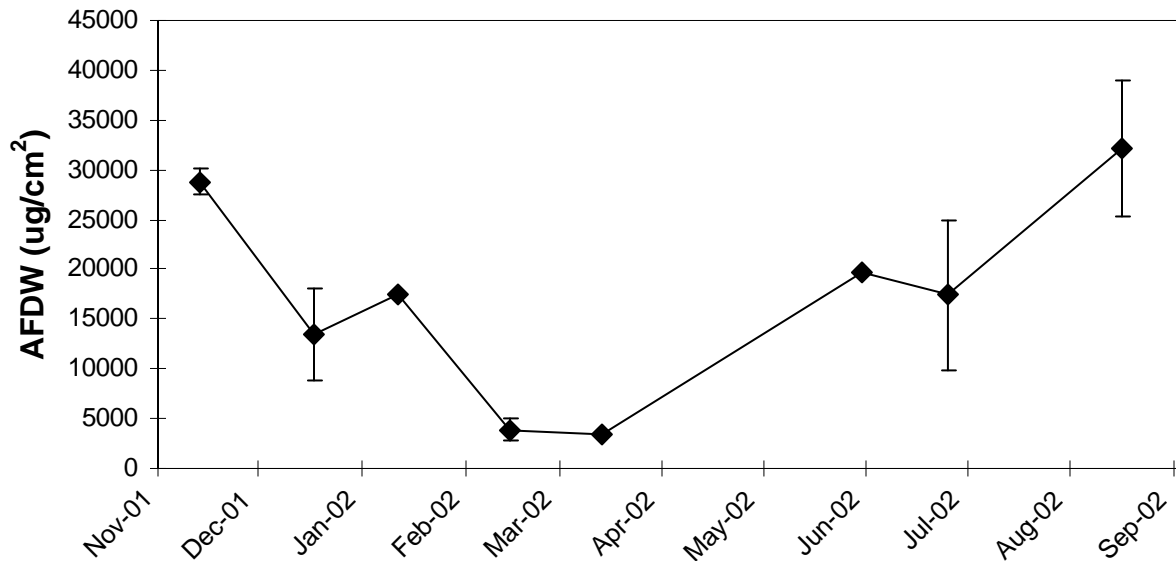


Figure 45, Macrophyte ash free dry weight vs. distance from Lake Tahoe.

Truckee River macrophyte ash free dry weight versus distance from Lake Tahoe (11/6/02 to 8/20/02)

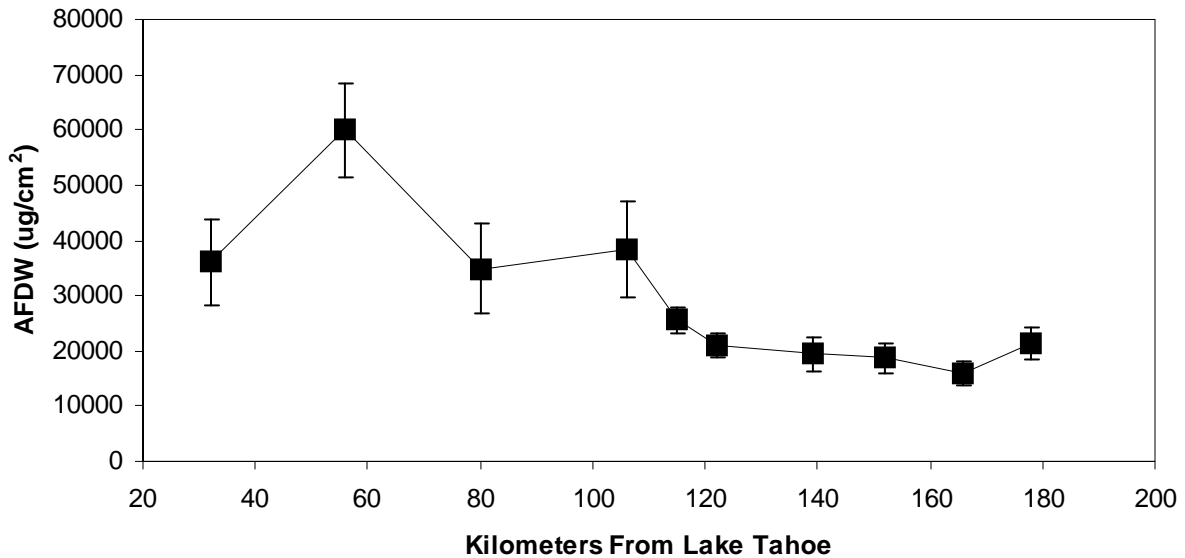
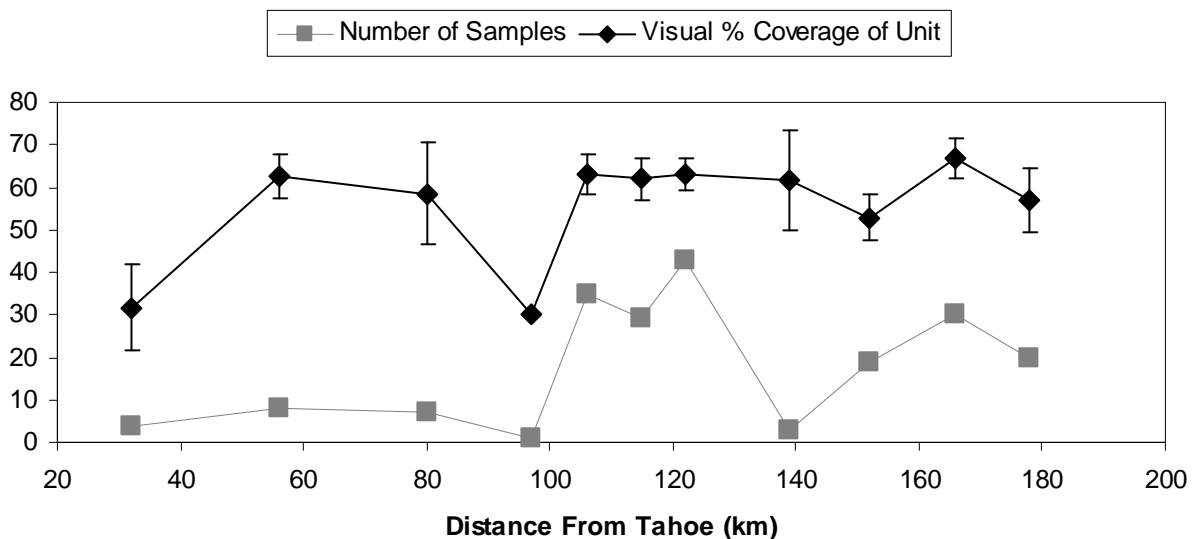


Figure 46, Average visual percent macrophyte coverage in sampled units and number of macrophyte samples collected at each site vs. distance from Lake Tahoe.

Truckee River number of macrophyte samples taken and % coverage in unit versus distance from Lake Tahoe (11/6/02 to 8/20/02)



DATA TABLES:

EPILITHIC DATA TABLES

Epilithic data table 1

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm <sup>2</sup> )	AFDW (ug/cm <sup>2</sup> )	Particulate C (ug/cm <sup>3</sup> )	Particulate N (ug/cm <sup>3</sup> )	Particulate P (ug/cm <sup>3</sup> )
01/16/02	HERS	1	1	32	4	100	3	0.7	1.26	7.8	1600			
02/21/02	HERS	1	1	32	4	99	3	0.6	0.54	6.7	2387			
03/19/02	HERS	1	1	32	4	100	3	0.5	0.56	12.9	3490			
04/17/02	HERS	1	1	32	4	22	2	1.3	1.71	0.4	BDL			
05/09/02	HERS	1	1	32	4	22	2	1.2	1.69	0.7	BDL			
05/31/02	HERS	1	1	32	4	4	3	2.2	1.86	2.5	BDL			
06/26/02	HERS	1	1	32	4	97	3	0.6	0.90	6.7	3155			
08/19/02	HERS	1	1	32	4	100	3	0.5	1.05	5.1	BDL			
01/16/02	HERS	1	2	32	19	100	21	2.5	2.10	18.2	2781	1201	168	25
02/21/02	HERS	1	2	32	19	99	27	2.5	2.19	1.9	BDL			
03/19/02	HERS	1	2	32	19	100	28	2.5	2.07	0.6	BDL	204	16	3
04/17/02	HERS	1	2	32	19	22	7	2.2	2.43	0.6	BDL	143	22	2
05/09/02	HERS	1	2	32	19	22	8	2.5	2.50	0.7	BDL	323	26	2
06/26/02	HERS	1	2	32	19	97	16	2.7	2.43	3.7	BDL	488	54	12
08/19/02	HERS	1	2	32	19	100	18	2.7	2.36	3.5	1546	711	68	BDL
01/16/02	HERS	1	3	32	22	100	48	1.1	1.40	9.6	2052			
02/21/02	HERS	1	3	32	22	99	49	1.3	2.07	1.7	BDL			
03/19/02	HERS	1	3	32	22	100	49	1.2	1.83	0.4	BDL			
06/26/02	HERS	1	3	32	21	97	50	1.5	1.88	3.3	1488			
08/19/02	HERS	1	3	32	22	100	48	1.4	0.97	7.8	2198			
01/16/02	HERS	1	4	32	22	100	67	2.5	1.69	47.7	6689			
02/21/02	HERS	1	4	32	22	99	76	2.3	1.88	3.8	1553			
03/19/02	HERS	1	4	32	22	100	77	2.3	1.81	2.2	BDL			
06/26/02	HERS	1	4	32	21	97	74	2.9	2.10	4.0	1572			
08/19/02	HERS	1	4	32	22	100	76	2.5	2.08	4.1	1505			
01/16/02	HERS	1	5	32	33	100	106	0.6	0.42	31.3	5957			
02/21/02	HERS	1	5	32	33	99	114	0.7	0.30	2.5	BDL			
03/19/02	HERS	1	5	32	33	100	118	0.8	0.82	2.8	BDL			
06/26/02	HERS	1	5	32	32	97	107	1	1.04	6.3	5387			
08/19/02	HERS	1	5	32	33	100	112	1	1.04	9.0	2116			

Epilithic data table 2

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
05/31/02	HERS	2	0	32	3	6	-2	0.7	0.18	0.3	BDL	282	6	4
01/16/02	HERS	2	1	32	3	100	2	0.9	0.32	22.2	3274			
02/21/02	HERS	2	1	32	3	99	2	0.6	0.03	3.3	BDL			
03/19/02	HERS	2	1	32	3	100	2	0.6	0.25	11.1	3643			
04/17/02	HERS	2	1	32	3	3	2	1.7	1.04		BDL	136	19	2
05/09/02	HERS	2	1	32	3	3	3	1.7	1.26	5.1	5084	977	56	15
05/31/02	HERS	2	1	32	3	6	1	1.9	0.90	7.9	3863	2132	112	31
06/26/02	HERS	2	1	32	3	99	3	0.8	0.39	3.9	5070			
08/19/02	HERS	2	1	32	3	100	2	0.9	0.12	2.8	2065			
01/16/02	HERS	2	2	32	10	100	11	1.6	0.63	18.8	3882			
02/21/02	HERS	2	2	32	10	99	14	1.7	1.04	3.4	1736			
03/19/02	HERS	2	2	32	10	100	11	1.7	0.92	1.4	BDL			
06/26/02	HERS	2	2	32	10	99	13	2	1.09	3.4	2183			
08/19/02	HERS	2	2	32	10	100	14	1.8	1.17	5.7	BDL			
01/16/02	HERS	2	3	32	61	100	38	1.9	1.26	79.4	9999	4424	601	69
01/16/02	HERS	2	3	32	61	100	70	2	1.33	9.1	3051			
02/21/02	HERS	2	3	32	61	99	34	2	1.35	1.4	BDL			
02/21/02	HERS	2	3	32	61	99	69	2.4	1.59	1.8	BDL			
03/19/02	HERS	2	3	32	61	100	39	2	1.35	3.2	BDL	579	61	7
03/19/02	HERS	2	3	32	61	100	74	2.3	1.50	1.8	BDL			
06/26/02	HERS	2	3	32	61	99	47	2.6	1.86	3.2	1995	689	54	18
08/19/02	HERS	2	3	32	61	100	31	2	1.44	2.4	BDL	792	49	48
08/19/02	HERS	2	3	32	61	100	74	2.5	1.72	2.5	BDL			
01/16/02	HERS	2	4	32	25	100	102	1.4	0.34	5.2	1636			
02/21/02	HERS	2	4	32	25	99	112	2.4	0.66	2.0	1191			
03/19/02	HERS	2	4	32	25	100	111	1.2	0.73	10.8	3486			
06/26/02	HERS	2	4	32	25	99	113	2.4	0.66	1.1	BDL			
08/19/02	HERS	2	4	32	25	100	11	2.5	0.60	4.3	2502			

Epilithic data table 3

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
04/17/02	HERS	3	0	32	11	38	-22	0.3	0.22	0.6	BDL			
04/17/02	HERS	3	0	32	9	38	-11	0.7	0.46	0.3	BDL			
04/17/02	HERS	3	0	32	6	38	-2	1.2	1.59	0.2	BDL			
05/09/02	HERS	3	0	32	9	39	-5	0.9	0.61	0.6	BDL			
05/09/02	HERS	3	0	32	15	39	-19	0.3	0.03	0.8	BDL			
05/31/02	HERS	3	0	32	15	58	-19	1.6	2.19	8.8	7808			
05/31/02	HERS	3	0	32	34	58	-35	0.8	0.42	1.2	1733			
01/16/02	HERS	3	1	32	17	74	5	0.2	0.03	10.1	3007			
02/21/02	HERS	3	1	32	17	37	2	0.2	0.03	3.8	1528			
03/19/02	HERS	3	1	32	18	18	6	0.2	0.03	5.4	1767	872	89	16
04/17/02	HERS	3	1	32	12	38	6	1.6	1.95	0.3	BDL	121	32	3
05/09/02	HERS	3	1	32	14	39	7	1.8	1.66	3.9	2596	849	66	14
05/31/02	HERS	3	1	32	10	58	4	2	2.79	10.2	6229	2919	156	41
06/26/02	HERS	3	1	32	16	36	6	0.5	0.03	4.8	4624			
08/19/02	HERS	3	1	32	17	37	8	0.7	0.02	5.6	2369			
01/16/02	HERS	3	2	32	21	74	23	2.2	0.39	12.2	2929	672	87	13
02/21/02	HERS	3	2	32	21	37	20	2.1	0.03	2.8	1347			
06/26/02	HERS	3	2	32	20	36	20	2	0.25	1.1	BDL	431	26	8
08/19/02	HERS	3	2	32	21	37	21	2.3	0.12	1.8	BDL	565	31	67
01/16/02	HERS	3	3	32	37	74	32	3.2	1.76	16.1	1926			

Epilithic data table 4

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
01/16/02	HERS	6	1	32	5	100	3	0.3	0.22	39.4	6645			
02/21/02	HERS	6	1	32	5	95	3	0.6	0.22	2.7	2911			
03/19/02	HERS	6	1	32	5	97	3	0.5	0.42	9.7	4037			
04/17/02	HERS	6	1	32	5	5	2	1.4	3.25	0.7	BDL	200		3
05/09/02	HERS	6	1	32	4	4	2	1.6	2.62	40.2	3148	1403	69	52
05/31/02	HERS	6	1	32	4	4	3	1.8	3.94	1.1	1641	989	28	18
06/26/02	HERS	6	1	32	4	86	2	0.6	0.66	3.0	2432			
08/19/02	HERS	6	1	32	5	97	4	0.7	0.28	8.4	3662			
01/16/02	HERS	6	2	32	10	100	11	1.5	4.98	1.3	BDL			
02/21/02	HERS	6	2	32	9	95	12	1.6	4.26	0.8	BDL			
03/19/02	HERS	6	2	32	10	97	11	1.5	4.45	53.1	15180			
06/26/02	HERS	6	2	32	8	86	14	1.6	4.62	1.1	BDL			
08/19/02	HERS	6	2	32	10	97	13	1.3	5.22	0.3	BDL			
01/16/02	HERS	6	3	32	10	100	22	0.6	2.53	2.9	BDL			
02/21/02	HERS	6	3	32	9	95	23	0.9	3.30	13.2	3212			
03/19/02	HERS	6	3	32	10	97	23	0.6	4.69	53.8	17528			
06/26/02	HERS	6	3	32	8	86	22	1.2	4.40	1.4	BDL			
08/19/02	HERS	6	3	32	10	97	26	0.8	4.82	4.7	BDL			
01/16/02	HERS	6	4	32	25	100	45	1.1	3.01	17.1	4380	1693	240	21
02/21/02	HERS	6	4	32	23	95	39	0.9	3.90	10.7	3140			
03/19/02	HERS	6	4	32	24	97	37	0.7	2.86	24.4	8070	3539	497	33
06/26/02	HERS	6	4	32	21	86	47	1.3	3.87	1.3	BDL	421	55	22
08/19/02	HERS	6	4	32	24	97	37	0.8	3.28	0.4	BDL	278	20	13
01/16/02	HERS	6	5	32	25	100	74	1.8	2.74	4.4	1386			
02/21/02	HERS	6	5	32	23	95	71	2	2.82	3.5	BDL			
03/19/02	HERS	6	5	32	24	97	75	1.5	2.98	3.2	BDL			
06/26/02	HERS	6	5	32	21	86	71	2.3	3.54	3.2	1799			
08/19/02	HERS	6	5	32	24	97	72	2.2	3.69	15.6	3126			
01/16/02	HERS	6	6	32	14	100	99	1.2	0.70	13.3	2908			
02/21/02	HERS	6	6	32	13	95	104	1.1	0.49	4.0	1769			
03/19/02	HERS	6	6	32	13	97	95	1.2	1.06	1.4	BDL			
06/26/02	HERS	6	6	32	12	86	101	1	1.40	4.6	1646			
08/19/02	HERS	6	6	32	13	97	103	0.9	1.94	3.8	BDL			
01/16/02	HERS	6	7	32	12	100	117	0.3	0.46	8.4	2585			
02/21/02	HERS	6	7	32	12	95	120	0.5	0.70	4.6	1814			
03/19/02	HERS	6	7	32	12	97	118	0.4	0.54	4.6	1605			
06/26/02	HERS	6	7	32	11	86	118	1	0.51	14.0	8727			
08/19/02	HERS	6	7	32	12	97	117	0.4	1.74	5.3	3067			

Epilithic data table 5

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
01/16/02	HERS	7	1	32	12	89	6	1.2	0.03	24.0	6185	2098	218	BDL
02/21/02	HERS	7	1	32	12	12	6	1.4	0.08	6.0	3039			
03/19/02	HERS	7	1	32	12	12	6	1.3	0.20	9.3	3352	1095	131	33
04/17/02	HERS	7	1	32	12	12	6	2.4	0.75	10.2	5869	1941		48
05/09/02	HERS	7	1	32	12	12	6	2.4	0.54	3.3	2556	896	58	22
06/26/02	HERS	7	1	32	12	12	7	1.6	0.82	7.8	5387	2461	194	75
08/19/02	HERS	7	1	32	12	12	8	1.5	0.50	4.4	2791	1541	103	505
01/16/02	HERS	7	2	32	77	89	14	3.1	0.22	16.9	4265			

Epilithic data table 6

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/26/01	FLEI	1	1	56	4	100	3	0.4	1.06	2.7	2035			
12/19/01	FLEI	1	1	56	4	99	2	0.4	0.03	8.5	2979			
01/14/02	FLEI	1	1	56	4	100	2	0.4	0.56	4.8	3739			
02/15/02	FLEI	1	1	56	4	100	2	0.4	0.42	4.7	2451			
03/21/02	FLEI	1	1	56	4	100	3	0.5	0.15	4.5	BDL			
04/17/02	FLEI	1	1	56	4	4	4	1.4	1.42	1.6	BDL	193	15	4
05/09/02	FLEI	1	1	56	4	4	4	1.4	1.50	0.5	BDL	366	10	2
05/31/02	FLEI	1	1	56	4	4	5	2	0.15	4.0	4466	1184	59	20
11/26/01	FLEI	1	2	56	16	100	15	2	2.74	7.6	3719			
12/19/01	FLEI	1	2	56	16	99	16	2	2.67	4.0	968			
01/14/02	FLEI	1	2	56	15	100	10	1.5	2.36	0.8	BDL			
02/15/02	FLEI	1	2	56	15	100	16	2.1	2.05	0.9	BDL			
03/21/02	FLEI	1	2	56	15	100	19	2	1.54	8.6	BDL			
11/26/01	FLEI	1	3	56	12	100	34	1	1.66	2.5	BDL	397	29	15
12/19/01	FLEI	1	3	56	12	99	33	1.3	2.48	0.7	BDL	105	10	
01/14/02	FLEI	1	3	56	11	100	35	0.9	1.47	8.2	2277	811	56	
02/15/02	FLEI	1	3	56	11	100	35	1.1	2.53	5.6	BDL	567	58	8
03/21/02	FLEI	1	3	56	11	100	38	1	2.50	3.9	BDL	569	89	13
11/26/01	FLEI	1	4	56	38	100	70	1.2	2.00	3.0	4344			
12/19/01	FLEI	1	4	56	39	99	67	1	3.13	4.1	BDL			
01/14/02	FLEI	1	4	56	38	100	69	1.1	2.24	0.2	BDL			
02/15/02	FLEI	1	4	56	38	100	65	1	3.20	2.2	BDL			
03/21/02	FLEI	1	4	56	38	100	66	1.1	3.15	0.7	BDL			
11/26/01	FLEI	1	5	56	18	100	117	0.3	0.54	6.8	2959			
12/19/01	FLEI	1	5	56	16	99	119	0.3	0.13	13.9	1919			
01/14/02	FLEI	1	5	56	16	100	122	0.3	0.99	6.7	1989			
02/15/02	FLEI	1	5	56	16	100	128	0.2	0.80	6.1	3185			
03/21/02	FLEI	1	5	56	16	100	118	0.4	0.63	6.8	2660			
11/26/01	FLEI	1	6	56	13	100	141	1.3	2.74	4.3	9525			
12/19/01	FLEI	1	6	56	12	99	143	1.2	2.60	7.6	1396			
01/14/02	FLEI	1	6	56	15	100	146	1.2	2.38	1.4	1103			
02/15/02	FLEI	1	6	56	15	100	145	0.8	3.87	4.3	2357			
03/21/02	FLEI	1	6	56	15	100	147	1	2.89	22.1	8033			

Epilithic data table 7

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/26/01	FLEI	2	1	56	12	100	8	1.5	2.29	1.0	1319			
12/19/01	FLEI	2	1	56	14	100	8	1.8	2.24	5.5	1090			
01/14/02	FLEI	2	1	56	14	100	11	1.5	2.12	3.8	1995			
02/15/02	FLEI	2	1	56	14	100	9	1.6	1.83	6.4	BDL			
03/21/02	FLEI	2	1	56	14	100	7	1.6	1.81	20.0	3462			
04/17/02	FLEI	2	1	56	14	14	2	2	2.38	0.2	BDL	80	2	2
05/09/02	FLEI	2	1	56	14	14	3	2.2	2.29	0.2	BDL	291	6	2
11/26/01	FLEI	2	2	56	55	100	45	0.8	1.21	1.4	BDL	165	13	28
11/26/01	FLEI	2	2	56	55	100	91	1.2	2.29	1.9	4722			
12/19/01	FLEI	2	2	56	53	100	94	1.4	2.29	9.2	2931			
12/19/01	FLEI	2	2	56	53	100	47	0.9	1.04	2.3	1050	323	30	
01/14/02	FLEI	2	2	56	21	100	52	0.8	0.92	1.9	1308	403	17	2
01/14/02	FLEI	2	2	56	32	100	105	1.1	2.17	1.0	1577			
02/15/02	FLEI	2	2	56	53	100	48	0.7	1.50	5.0	BDL	895	86	10
02/15/02	FLEI	2	2	56	53	100	94	1.4	1.62	0.7	BDL			
03/21/02	FLEI	2	2	56	21	100	45	0.8	1.30	4.7	BDL	546	81	14
03/21/02	FLEI	2	2	56	32	100	93	1.3	1.54	0.6	BDL			
11/26/01	FLEI	2	3	56	12	100	139	1.8	2.41	2.9	3037			
12/19/01	FLEI	2	3	56	12	100	136	1.8	2.24	3.2	4027			
01/14/02	FLEI	2	3	56	12	100	137	1.6	2.07	4.8	1464			
02/15/02	FLEI	2	3	56	12	100	137	1.9	2.17	3.3	BDL			
03/21/02	FLEI	2	3	56	12	100	139	1.7	2.74	1.3	BDL			
11/26/01	FLEI	2	4	56	11	100	159	0.5	0.85	4.1	2590			
12/19/01	FLEI	2	4	56	11	100	163	0.2	0.92	20.9	2508			
01/14/02	FLEI	2	4	56	11	100	168	0.2	1.35	12.8	2080			
02/15/02	FLEI	2	4	56	11	100	166	0.5	0.56	6.8	3086			
03/21/02	FLEI	2	4	56	11	100	167	0.7	1.18	3.1	BDL			
11/26/01	FLEI	2	5	56	10	100	180	0.3	1.45	2.2	2522			
12/19/01	FLEI	2	5	56	10	100	178	0.4	1.14	3.2	BDL			
01/14/02	FLEI	2	5	56	10	100	180	0.2	1.59	2.5	1604			
02/15/02	FLEI	2	5	56	10	100	179	0.3	1.81	0.9	BDL			
03/21/02	FLEI	2	5	56	10	100	181	0.5	2.65	0.3	BDL			

Epilithic data table 8

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
04/17/02	FLEI	3	0	56	3	15	-1	1.1	1.81	0.7	BDL	110	7	2
05/09/02	FLEI	3	0	56	3	15	-1	1	1.18	2.0	2787	1361	37	42
05/31/02	FLEI	3	0	56	3	12	-1	1.4	1.95	2.1	1653	517	24	6
11/26/01	FLEI	3	1	56	14	74	10	1.1	0.82	4.7	2628			
11/26/01	FLEI	3	1	56	14	74	7	1	1.59	1.4	2393			
12/19/01	FLEI	3	1	56	14	46	5	0.6	0.44	8.1	6245			
01/14/02	FLEI	3	1	56	14	46	6	1	0.63	11.0	4020			
02/15/02	FLEI	3	1	56	14	46	5	1	0.66	4.4	1995			
03/21/02	FLEI	3	1	56	14	46	5	0.9	0.63	21.5	9928			
04/17/02	FLEI	3	1	56	12	15	5	1.9	2.12	1.9	BDL	235	22	5
05/09/02	FLEI	3	1	56	12	15	8	2.1	2.14	11.7	7666	2754	165	68
05/31/02	FLEI	3	1	56	9	12	0.5	2.2	2.79	2.3	2978	1256	71	24
11/26/01	FLEI	3	2	56	33	74	47	1.6	1.90	3.0	2271			
12/19/01	FLEI	3	2	56	33	46	12	2.5	1.59	22.1	4062			
01/14/02	FLEI	3	2	56	33	46	12	2.5	1.35	9.3	2630			
02/15/02	FLEI	3	2	56	33	46	12	2.7	1.54	7.4	BDL			
03/21/02	FLEI	3	2	56	33	46	12	2.6	1.54	15.6	3690			
11/26/01	FLEI	3	3	56	28	74	63	2	1.18	2.5	2057			

Epilithic data table 9

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/26/01	FLEI	4	2	56	12	88	14	1.9	1.14	8.2	23602			
12/19/01	FLEI	4	2	56	15	51	12	1.6	0.97	18.1	2299			
01/14/02	FLEI	4	2	56	15	51	11	0.5	0.80	6.4	2344			
02/15/02	FLEI	4	2	56	15	51	12	1.8	1.06	8.1	BDL	600	51	6
03/21/02	FLEI	4	2	56	15	51	15	1.7	0.80	11.0	4677	2038	247	39
11/26/01	FLEI	4	3	56	11	88	37	0.5	0.85	1.4	BDL	278	28	10
12/19/01	FLEI	4	3	56	8	51	33	0.8	1.81	2.8	895	330	32	
01/14/02	FLEI	4	3	56	8	51	33	0.8	0.63	3.0	1501	574	45	8
02/15/02	FLEI	4	3	56	8	51	34	0.8	1.35	0.3	BDL			
03/21/02	FLEI	4	3	56	8	51	34	0.6	0.70	5.5	BDL			
11/26/01	FLEI	4	4	56	9	88	46	0.4	0.85	1.0	BDL			
12/19/01	FLEI	4	4	56	12	51	41	0.4	1.42	0.7	BDL			
01/14/02	FLEI	4	4	56	12	51	41	0.4	1.26	1.0	968			
02/15/02	FLEI	4	4	56	12	51	43	0.4	2.72	2.1	BDL			
03/21/02	FLEI	4	4	56	12	51	42	0.4	2.43	1.1	BDL			
11/26/01	FLEI	4	5	56	16	88	63	1.6	1.52	5.2	2219	372	37	20
12/19/01	FLEI	4	5	56	16	51	69	1.5	1.30	4.6	968	366	40	
01/14/02	FLEI	4	5	56	16	51	70	1.9	1.57	2.2	1174	424	32	3
02/15/02	FLEI	4	5	56	16	51	67	1.7	1.78	2.9	BDL	581	60	21
03/21/02	FLEI	4	5	56	16	51	64	1.6	1.52	4.1	BDL	393	49	4
11/26/01	FLEI	4	6	56	39	88	110	3	1.62	1.5	1243			

Epilithic data table 10

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
04/17/02	FLEI	5	0	56	6	6	-5	1.3	1.42	0.4	BDL	152	7	3
05/09/02	FLEI	5	0	56	6	6	-5	0.9	1.38	1.7	4696	2604	118	39
05/31/02	FLEI	5	0	56	6	6	-4	1.7	0.94	1.5	4044	630	27	16
11/26/01	FLEI	5	1	56	18	100	13	2.5	3.27	6.1	2336			
12/19/01	FLEI	5	1	56	18	100	11	2.4	2.55	7.7	2111			
01/14/02	FLEI	5	1	56	13	72	12	2.4	2.62	1.6	BDL			
02/15/02	FLEI	5	1	56	18	100	11	2.5	2.67	0.7	BDL			
03/21/02	FLEI	5	1	56	18	100	12	2.4	2.86	3.0	BDL			
11/26/01	FLEI	5	2	56	32	100	42	1	0.94	0.8	1433	383	25	9
12/19/01	FLEI	5	2	56	32	100	37	0.9	1.62	4.2	2937	494	55	
01/14/02	FLEI	5	2	56	23	72	40	0.7	1.47	6.3	2738	923	78	15
02/15/02	FLEI	5	2	56	32	100	41	0.8	1.30	1.1	BDL	306	15	BDL
03/21/02	FLEI	5	2	56	32	100	38	1	1.69	6.9	BDL	674	89	7
11/26/01	FLEI	5	3	56	50	100	78	2.2	1.76	2.3	BDL			
12/19/01	FLEI	5	3	56	50	100	66	2	2.98	4.5	1829			
01/14/02	FLEI	5	3	56	36	72	67	1.7	2.53	1.3	BDL			
02/15/02	FLEI	5	3	56	50	100	77	1.8	2.22	1.0	BDL			
03/21/02	FLEI	5	3	56	50	100	68	2	1.98	1.0	BDL			

Epilithic data table 11

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/06/01	PATA	1	1	80	7	94	6	0.3	0.80	3.0	1272	522	34	8
12/06/01	PATA	1	1	80	7	94	9	0.4	1.66	5.7	2881	523	40	6
01/04/02	PATA	1	1	80	7	100	6	0.3	0.80	0.6	BDL	168	11	BDL
02/04/02	PATA	1	1	80	7	100	4	0.3	0.54	0.5	BDL	238	9	5
03/04/02	PATA	1	1	80	7	100	8	0.4	0.51	0.6	BDL	351	29	20
04/11/02	PATA	1	1	80	7	38	6	1.3	2.60	0.1	BDL	167	8	BDL
05/03/02	PATA	1	1	80	7	40	7	1.2	2.36	0.3	BDL	426	8	BDL
05/28/02	PATA	1	1	80	7	40	7	1.2	2.60	3.6	BDL	638	43	6
06/17/02	PATA	1	1	80	7	99	8	0.7	1.59	3.8	BDL	977	14	4
08/07/02	PATA	1	1	80	7	100	9	0.3	0.59	0.9	BDL	250	13	3
11/06/01	PATA	1	2	80	33	94	40	1.6	0.66	6.8	1754			
11/06/01	PATA	1	2	80	33	94	24	1.7	1.71	7.9	2092			
12/06/01	PATA	1	2	80	33	94	28	1.8	1.78	7.4	BDL	1002	80	9
12/06/01	PATA	1	2	80	33	94	51	2	0.87	3.2	BDL	531	60	
01/04/02	PATA	1	2	80	22	100	19	1.2	1.66	9.0	1536	618	80	9
01/04/02	PATA	1	2	80	11	100	60	1.7	1.33	2.5	1530			
02/04/02	PATA	1	2	80	33	100	52	1.9	1.14	4.1	1466	668	84	BDL
02/04/02	PATA	1	2	80	33	100	25	1.7	2.22	1.5	BDL	349	30	BDL
03/04/02	PATA	1	2	80	32	100	31	1.6	1.74	2.1	BDL	754	49	3
04/11/02	PATA	1	2	80	31	38	19	2.2	3.39	0.6	BDL	267	10	2
05/03/02	PATA	1	2	80	33	40	21	2	3.78	7.2	BDL	1375	44	30
05/28/02	PATA	1	2	80	33	40	17	1.7	2.98	4.0	BDL	616	46	7
06/17/02	PATA	1	2	80	33	99	27	2	2.70	0.3	BDL	505	26	4
08/07/02	PATA	1	2	80	34	100	31	1.3	1.69	1.0	BDL			
11/06/01	PATA	1	3	80	23	94	74	1.1	0.97	6.8	1807	729	72	9
12/06/01	PATA	1	3	80	23	94	75	1.1	1.71	9.6	2260			
01/04/02	PATA	1	3	80	23	100	76	1.4	0.70	10.3	BDL			
02/04/02	PATA	1	3	80	24	100	75	1	0.99	28.0	3853			
03/04/02	PATA	1	3	80	23	100	75	1	0.97	29.5	3959	1831	194	18
06/17/02	PATA	1	3	80	23	99	80	1.2	1.76	5.2	1962	1089	80	11
08/07/02	PATA	1	3	80	24	100	73	1	1.19	1.8	BDL	505	31	4
11/06/01	PATA	1	4	80	30	94	111	2	1.64	4.9	BDL	575	44	6
12/06/01	PATA	1	4	80	30	94	134	2	1.52	10.6	3199			
01/04/02	PATA	1	4	80	30	100	120	2.1	0.87	5.8	BDL	469	56	BDL
02/04/02	PATA	1	4	80	31	100	125	1.4	2.17	12.7	2367			
03/04/02	PATA	1	4	80	33	100	113	1.8	2.43	13.1	2423			
06/17/02	PATA	1	4	80	30	99	107	1.8	1.57	14.3	3237			
08/07/02	PATA	1	4	80	31	100	111	2	1.33	2.4	BDL	495	38	26
01/04/02	PATA	1	5	80	6	100	142	0.5	0.87	12.1	2383			
02/04/02	PATA	1	5	80	6	100	140	0.9	0.44	21.8	6365			
03/04/02	PATA	1	5	80	5	100	146	0.4	1.16	6.1	BDL			
06/17/02	PATA	1	5	80	6	99	142	0.7	1.90	49.7	26202			
08/07/02	PATA	1	5	80	4	100	141	0.6	0.04	1.4	BDL			

Epilithic data table 12

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
04/11/02	PATA	2	0	80	10	53	-3	1.2	2.55	0.2	BDL			
05/03/02	PATA	2	0	80	9	65	-5	0.9	2.22	2.1	BDL			
05/28/02	PATA	2	0	80	9	65	-6	0.9	1.23	4.3	BDL			
06/17/02	PATA	2	0	80	6	54	-4	0.3	0.42	1.7	BDL			
11/06/01	PATA	2	1	80	48	100	11	0.2	0.30	9.1	2997			
12/06/01	PATA	2	1	80	50	95	17	0.2	0.03	5.9	3836			
01/04/02	PATA	2	1	80	48	100	40	0.5	0.39	7.8	5168			
01/04/02	PATA	2	1	80	48	100	20	0.2	0.34	6.3	2419			
03/04/02	PATA	2	1	80	48	100	21	0.2	0.49	16.7	5146			
04/11/02	PATA	2	1	80	43	53	31	1.5	1.88	1.2	BDL	619	21	3
04/11/02	PATA	2	1	80	43	53	50	2.3	2.72	1.9	BDL			
05/03/02	PATA	2	1	80	44	65	14	1.4	2.19	1.0	BDL	698	15	4
05/03/02	PATA	2	1	80	44	65	39	1.7	1.52	2.0	BDL			
05/28/02	PATA	2	1	80	44	65	14	1.4	2.29	11.4	4218	1909	126	19
05/28/02	PATA	2	1	80	44	65	43	1.7	1.33	19.0	9949			
06/17/02	PATA	2	1	80	34	54	14	0.5	0.82	10.8	6090			
06/17/02	PATA	2	1	80	34	54	44	0.8	1.64	12.7	5383			
06/19/02	PATA	2	1	80	45	0	20	0.72	1.35	37.3	29904			
06/19/02	PATA	2	1	80	45	0	7	0.66	0.82	15.2	12116			
06/27/02	PATA	2	1	80	49	0	8	0.2	0.03	2.5	5716			
06/27/02	PATA	2	1	80	49	0	14	0.2	0.22	1.9	BDL			
07/12/02	PATA	2	1	80	42	0	14	0.5	0.46	29.2	11247			
07/12/02	PATA	2	1	80	42	0	31	0.5	0.37	8.6	8675			
07/18/02	PATA	2	1	80	46	0	40	0.9	0.75	4.5	2236			
07/18/02	PATA	2	1	80	46	0	19	0.6	1.26	2.2	1010			
07/24/02	PATA	2	1	80	47	0	33	0.5	0.19	4.3	3384			
07/24/02	PATA	2	1	80	47	0	33	0.5	0.19	4.3	3244			
07/24/02	PATA	2	1	80	47	0	17	0.4	0.41	2.0	BDL			
07/31/02	PATA	2	1	80	47	0	13	0.3	0.40	3.1	1888			
07/31/02	PATA	2	1	80	47	0	36	0.6	0.60	2.5	BDL			
08/07/02	PATA	2	1	80	26	100	52	0.3	0.57	2.2	BDL			
11/06/01	PATA	2	2	80	14	100	67	1.4	1.66	7.2	1584	2817	276	8
12/06/01	PATA	2	2	80	17	95	73	1.2	1.64	6.6	2040	1251	199	
01/04/02	PATA	2	2	80	14	100	63	1.1	1.06	7.6	1950	804	97	BDL
02/04/02	PATA	2	2	80	14	52	65	0.6	1.78	9.9	2522	970	116	BDL
03/04/02	PATA	2	2	80	14	100	65	0.9	1.02	10.7	2599	1231	136	11
05/03/02	PATA	2	2	80	13	65	63	2.3	2.31	27.7	5931	3269	194	49
05/28/02	PATA	2	2	80	13	65	61	2.1	2.05	12.6	5188	1955	128	16
06/17/02	PATA	2	2	80	13	54	70	2	2.29	1.4	BDL	502	23	5
08/07/02	PATA	2	2	80	20	100	64	0.8	0.92	2.2	BDL	331	15	5
11/06/01	PATA	2	3	80	38	100	86	2.7	2.79	11.0	2715			
12/06/01	PATA	2	3	80	29	95	91	2.5	2.79	2.7	2969			
01/04/02	PATA	2	3	80	38	100	83	2.4	2.31	3.0	1596			
02/04/02	PATA	2	3	80	38	52	87	2	2.26	4.7	BDL			
03/04/02	PATA	2	3	80	38	100	81	1.8	2.58	4.3	BDL			
08/07/02	PATA	2	3	80	55	100	95	2.3	3.33	3.1	BDL			

Epilithic data table 13

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/06/01	PATA	3	2	80	11	11	4	1.2	0.49	1.0	1955			
12/06/01	PATA	3	2	80	9	9	4	1.1	0.51	3.1	4063			
01/04/02	PATA	3	2	80	11	56	5	1.2	0.44	15.7	5458			
02/04/02	PATA	3	2	80	11	56	5.5	1.3	0.37	16.7	9358			
03/04/02	PATA	3	2	80	11	56	7	1.7	0.54	7.9	5797			
05/03/02	PATA	3	2	80	11	11	5	2.2	0.90	4.4	BDL			
06/17/02	PATA	3	2	80	11	11	6	1.9	0.68	25.8	12536			
08/07/02	PATA	3	2	80	11	57	9	1.8	0.32	2.0	BDL			
01/04/02	PATA	3	3	80	45	56	27	2.7	1.26	5.2	BDL			
02/04/02	PATA	3	3	80	45	56	24	2.4	1.26	9.4	2655			
03/04/02	PATA	3	3	80	45	56	25	2.8	1.33	2.7	BDL			
08/07/02	PATA	3	3	80	46	57	34	2.3	1.27	1.8	BDL			

Epilithic data table 14

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/06/01	PATA	4	2	80	79	79	15	2.1	0.92	6.8	1674			
12/06/01	PATA	4	2	80	88	88	10	2.2	0.85	8.3	2792			
01/04/02	PATA	4	2	80	86	86	33	2.7	2.00	9.0	2810			
01/04/02	PATA	4	2	80	86	86	8	1.9	0.80	2.7	BDL			
02/04/02	PATA	4	2	80	86	86	50	2.3	1.50	7.9	2949			
02/04/02	PATA	4	2	80	86	86	7	1.5	0.58	10.4	2158			
03/04/02	PATA	4	2	80	86	86	8	2	0.78	5.3	2590			
06/17/02	PATA	4	2	80	86	86	6	2.3	1.11	2.9	BDL			
08/07/02	PATA	4	2	80	88	88	49	21	1.45	3.1	BDL			
08/07/02	PATA	4	2	80	88	88	10	1.7	0.34	2.7	BDL			

Epilithic data table 15

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
04/11/02	PATA	5	0	80	6	23	-3	0.5	0.94	0.8	BDL			
05/03/02	PATA	5	0	80	5	22	-2	0.4	0.46	0.6	BDL			
05/28/02	PATA	5	0	80	6	23	-3	0.5	0.39	0.9	BDL			
11/06/01	PATA	5	1	80	4	40	2	0.2	0.03	6.8	2142			
12/06/01	PATA	5	1	80	5	40	3	0.3	0.03	6.5	2968			
01/04/02	PATA	5	1	80	4	40	2	0.1	0.27	32.8	7224			
03/04/02	PATA	5	1	80	4	40	3	0.2	0.20	18.8	4124			
04/11/02	PATA	5	1	80	4	23	1	1	2.62	0.7	BDL			
05/03/02	PATA	5	1	80	4	22	1	0.6	0.61	0.1	BDL			
05/28/02	PATA	5	1	80	4	23	3	1.2	3.82	30.5	10287			
06/17/02	PATA	5	1	80	4	40	2	0.5	0.22	63.3	25808			
11/06/01	PATA	5	2	80	14	40	11	0.8	1.02	11.1	2897			
12/06/01	PATA	5	2	80	16	40	13	0.9	1.04	0.9	BDL			
01/04/02	PATA	5	2	80	14	40	12	0.8	0.75	28.2	3760			
02/04/02	PATA	5	2	80	14	36	14	0.5	1.59	14.8	5876			
02/04/02	PATA	5	2	80	14	36	5	0.2	0.44	23.1	4048			
03/04/02	PATA	5	2	80	14	40	11	0.8	1.14	8.9	2425			
04/11/02	PATA	5	2	80	13	23	8	1.7	3.87	5.9	BDL	550	37	6
05/03/02	PATA	5	2	80	14	22	8	1.3	3.66	2.1	BDL			
05/28/02	PATA	5	2	80	13	23	10	1.4	3.78	20.5	5991			
06/17/02	PATA	5	2	80	14	40	12	0.8	2.34	2.6	BDL			
06/19/02	PATA	5	2	80	14	0	16.5	1.4	2.34	20.5	10548			
06/19/02	PATA	5	2	80	14	0	10.5	1.2	2.34	2.8	BDL			
06/27/02	PATA	5	2	80	15	0	13	0.8	2.36	10.6	3258			
07/12/02	PATA	5	2	80	14	0	13	1	1.54	9.0	3822			
07/12/02	PATA	5	2	80	14	0	16	1.1	2.22	5.5	1978			
07/18/02	PATA	5	2	80	14	0	15	1.1	1.86	1.2	BDL			
07/18/02	PATA	5	2	80	14	0	8	0.6	1.95	0.8	BDL			
07/24/02	PATA	5	2	80	14	0	8	1	1.80	1.5	7766			
07/24/02	PATA	5	2	80	14	0	14.5	1.2	1.29	1.4	BDL			
07/31/02	PATA	5	2	80	14	0	16	1.1	2.72	1.8	BDL			
07/31/02	PATA	5	2	80	14	0	16	1.1	2.72	1.9	BDL			
07/31/02	PATA	5	2	80	14	0	10	1	1.41	1.0	BDL			
08/07/02	PATA	5	2	80	14	49	16	1	1.77	2.7	BDL			
08/07/02	PATA	5	2	80	14	49	10	0.6	0.49	2.6	BDL			
11/06/01	PATA	5	3	80	22	40	26	1.2	3.46	10.3	1923			
12/06/01	PATA	5	3	80	19	40	29	1.4	1.33	2.2	BDL			
01/04/02	PATA	5	3	80	22	40	30	1.4	2.46	8.9	BDL			
02/04/02	PATA	5	3	80	22	36	32	1.5	2.48	1.7	BDL			
03/04/02	PATA	5	3	80	22	40	27	1.5	3.20	35.7	5243			
06/17/02	PATA	5	3	80	21	40	26	1.6	5.19	2.4	BDL			
06/27/02	PATA	5	3	80	22	0	22	1	1.86	1.8	BDL			
08/07/02	PATA	5	3	80	22	49	31	1.5	2.02	5.2	BDL			

Epilithic data table 16

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/06/01	PATA	6	1	80	5	100	4	0.8	0.20	5.2	4242	37	2	21
12/06/01	PATA	6	1	80	5	100	4	1	0.39	1.8	BDL	386	27	
01/04/02	PATA	6	1	80	5	100	4	0.8	0.27	4.2	5342			
02/04/02	PATA	6	1	80	5	100	4.5	0.7	0.34	7.3	BDL	985	69	196
03/04/02	PATA	6	1	80	5	100	5	0.9	0.34	36.9	7861	2786	292	65
04/11/02	PATA	6	1	80	5	37	6	2	2.07	1.6	BDL	432	19	4
05/03/02	PATA	6	1	80	5	37	3	1.5	1.71	2.7	BDL			
05/28/02	PATA	6	1	80	5	5	5	1.8	1.81	27.8	18009	2372	125	101
06/17/02	PATA	6	1	80	5	99	5	1.3	0.44	9.2	3862	1755	113	32
08/07/02	PATA	6	1	80	5	100	6	1	0.31	2.8	2474			
11/06/01	PATA	6	2	80	33	100	31	1.5	2.26	6.4	BDL			
12/06/01	PATA	6	2	80	33	100	4	1	0.39	3.0	BDL			
01/04/02	PATA	6	2	80	33	100	27	1.5	1.90	6.5	2467	740	85	BDL
02/04/02	PATA	6	2	80	33	100	27	1.3	1.95	8.1	2739			
03/04/02	PATA	6	2	80	33	100	33	1.7	1.90	12.1	3090			
04/11/02	PATA	6	2	80	32	37	11	2.4	2.46	3.6	BDL			
05/03/02	PATA	6	2	80	32	37	12	2.4	2.00	4.4	BDL	1133	45	5
06/17/02	PATA	6	2	80	33	99	28	2	2.19	6.4	BDL			
08/07/02	PATA	6	2	80	33	100	26	1.5	0.90	0.6	BDL	344	16	4
11/06/01	PATA	6	3	80	21	100	77	1.4	2.24	3.8	1660	591	68	4
12/06/01	PATA	6	3	80	20	100	74	1.5	2.55	30.6	3462			
01/04/02	PATA	6	3	80	21	100	72	1.6	2.26	1.2	BDL			
02/04/02	PATA	6	3	80	21	100	79	1.5	2.84	8.6	2115			
03/04/02	PATA	6	3	80	21	100	75	1.2	2.74	0.7	BDL			
06/17/02	PATA	6	3	80	21	99	77	2	2.91	5.0	2012			
08/07/02	PATA	6	3	80	21	100	68	1.3	1.73	1.3	BDL	355	22	15
11/06/01	PATA	6	4	80	30	100	111	0.8	1.52	7.0	1377			
12/06/01	PATA	6	4	80	34	100	100	1.1	1.50	8.8	3330			
12/06/01	PATA	6	4	80	34	100	123	0.7	0.94	7.5	2390			
01/04/02	PATA	6	4	80	30	100	120	0.7	0.97	13.7	4374	1346	182	31
02/04/02	PATA	6	4	80	30	100	115	0.5	1.28	8.8	2290			
03/04/02	PATA	6	4	80	30	100	120	0.5	1.11	9.9	2308			
06/17/02	PATA	6	4	80	29	99	120	1	2.14	8.5	4048			
08/07/02	PATA	6	4	80	30	100	110	0.5	1.02	0.6	BDL			
11/06/01	PATA	6	5	80	11	100	148	1.3	1.14	5.3	1488			
12/06/01	PATA	6	5	80	8	100	151	1.6	0.87	5.9	BDL			
01/04/02	PATA	6	5	80	11	100	146	1.1	0.90	16.0	3565			
02/04/02	PATA	6	5	80	10	100	148	1.1	0.87	4.3	2003			
03/04/02	PATA	6	5	80	12	100	151	1.2	0.94	17.0	4899			
06/17/02	PATA	6	5	80	11	99	149	1.8	2.22	54.4	59492			
08/07/02	PATA	6	5	80	10	100	145	1	0.37	3.0	2060			

Epilithic data table 17

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/16/01	EMCC	1	1	97	10	93	6	1.4	1.71	22.6	2561			
02/05/02	EMCC	1	1	97	10	93	4	1.5	2.86	16.8	3682			
06/17/02	EMCC	1	1	97	10	91	5	1.9	1.16	8.1	3318			
08/12/02	EMCC	1	1	97	11	97	5	1.4	0.95	27.3	3472			
11/16/01	EMCC	1	2	97	28	93	19	0.4	2.24	10.2	1707	723	71	6
02/05/02	EMCC	1	2	97	28	93	19	0.5	1.35	17.7	BDL	757	102	12
06/17/02	EMCC	1	2	97	28	91	17	0.8	3.94	1.1	BDL	454	40	9
08/12/02	EMCC	1	2	97	13	97	10	0.4	2.51	34.7	4807	2793	293	20
08/12/02	EMCC	1	2	97	17	97	20	0.1	0.54	25.7	4400			
11/16/01	EMCC	1	3	97	54	93	29	1.5	3.80	23.5	3502			
02/05/02	EMCC	1	3	97	54	93	33	2.1	4.64	29.5	3684			
06/17/02	EMCC	1	3	97	53	91	30	1.8	3.49	1.5	BDL			
08/12/02	EMCC	1	3	97	56	97	31	1.5	3.16	15.6	2583			

Epilithic data table 18

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/16/01	EMCC	2	1	97	11	100	5	0.3	0.03	38.8	9070	3311	380	38
02/05/02	EMCC	2	1	97	11	100	5	0.3	0.20	14.5	1956	917	103	15
06/18/02	EMCC	2	1	97	10	31	5	1	0.70	8.8	7440	3842	322	90
11/16/01	EMCC	2	2	97	22	100	17	1.5	0.87	6.7	2896			
02/05/02	EMCC	2	2	97	22	100	18	1.5	0.75	15.9	3348			
06/18/02	EMCC	2	2	97	21	31	15	2	1.09	7.9	5061			
08/12/02	EMCC	2	2	97	24	100	15	0.8	0.22	7.5	4945	2170	157	40
11/16/01	EMCC	2	3	97	68	100	27	2.5	1.28	10.3	2659			
02/05/02	EMCC	2	3	97	68	100	27	2.5	1.09	19.4	3731			
08/12/02	EMCC	2	3	97	76	100	29	2.2	0.73	12.1	2620			

Epilithic data table 19

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/16/01	EMCC	3	1	97	10	100	3	0.3	0.20	50.0	10859			
02/05/02	EMCC	3	1	97	8	98	3	0.3	0.03	8.2	BDL			
06/18/02	EMCC	3	1	97	10	23	4	0.5	0.22	9.6	8445	4169	292	88
08/12/02	EMCC	3	1	97	4	100	5	0.2	0.00	11.7	2209			
11/16/01	EMCC	3	2	97	14	100	9	1.1	0.51	15.9	5379	1886	205	44
02/05/02	EMCC	3	2	97	14	98	12	1.7	1.40	46.4	6933	3374	441	53
06/18/02	EMCC	3	2	97	13	23	11	1.9	0.80	17.2	8612	3591	241	59
08/12/02	EMCC	3	2	97	14	100	13	1.4	1.01	5.8	1382	609	53	5
11/16/01	EMCC	3	3	97	76	100	17	2.3	2.60	15.8	4996			
02/05/02	EMCC	3	3	97	76	98	21	2.3	2.91	74.2	9152			
08/12/02	EMCC	3	3	97	82	100	22	1.8	1.94	7.8	1027			

Epilithic data table 20

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/16/01	EMCC	4	1	97	7	48	5	0.4	0.03	3.6	2484			
06/18/02	EMCC	4	1	97	7	99	5	0.5	0.34	6.5	3976			
06/18/02	EMCC	4	2	97	49	99	74	0.2	0.32	5.7	2130			
11/16/01	EMCC	4	3	97	5	48	77	0.1	0.03	21.9	6829			
02/05/02	EMCC	4	3	97	5	41	80	0.1	0.30	10.9	2677			
06/18/02	EMCC	4	3	97	5	99	80	0.5	1.93	3.5	2194			
11/16/01	EMCC	4	4	97	10	48	88	0.6	2.34	9.4	2534	1002	98	9
02/05/02	EMCC	4	4	97	10	41	87	0.5	2.38	10.6	1889	860	106	9
06/18/02	EMCC	4	4	97	10	99	87	0.8	1.26	11.7	4219	2364	183	22
08/12/02	EMCC	4	4	97	16	100	91	0.4	0.07	27.0	3619	1895	208	18
11/16/01	EMCC	4	5	97	26	48	98	2	3.97	17.1	5036			
02/05/02	EMCC	4	5	97	26	41	99	1.8	4.76	36.7	4205			
06/18/02	EMCC	4	5	97	29	99	97	2	4.91	16.0	6591			
08/12/02	EMCC	4	5	97	84	100	101	1.6	3.54	37.9	8463			

No Epilithic Samples taken from EMCC 5

Epilithic data table 21

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
06/17/02	EMCC	6	0	97	4	43	-1	0.1	0.03	1.9	1991			
11/16/01	EMCC	6	1	97	23	100	13	0.6	0.97	17.8	6713			
11/16/01	EMCC	6	1	97	23	100	4	0.1	0.03	9.3	6182			
02/05/02	EMCC	6	1	97	23	100	8	0.5	1.02	8.3	BDL			
02/05/02	EMCC	6	1	97	23	100	2	0.15	0.03	2.4	BDL			
06/17/02	EMCC	6	1	97	9	43	14	1	1.26	29.7	19199			
06/17/02	EMCC	6	1	97	13	43	6	0.3	0.75	5.7	3789			
11/16/01	EMCC	6	2	97	18	100	24	1.9	0.90	17.4	4368	1799	197	
02/05/02	EMCC	6	2	97	18	100	21	1.8	1.83	14.8	3022	1010	126	12
06/17/02	EMCC	6	2	97	17	43	24	2.2	2.00	4.8	2655	952	77	9
08/12/02	EMCC	6	2	97	23	100	25	0.7	1.04	10.5	1559	870	90	46
11/16/01	EMCC	6	3	97	59	100	36	2.5	1.93	16.9	5224			
02/05/02	EMCC	6	3	97	59	100	35	2.3	2.10	46.7	5347			
08/12/02	EMCC	6	3	97	77	100	39	1.7	1.98	10.6	4189			
08/12/02	EMCC	6	3	97	77	100	69	1.6	1.15	13.2	2042			

Epilithic data table 22

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/07/01	LOCK	1	1	106	17	49	21	0.1	0.32	6.2	5890			
12/07/01	LOCK	1	1	106	18	48	20	0.3	0.94	3.9	BDL			
01/07/02	LOCK	1	1	106	16	46	20	0.5	0.70	13.6	3486			
02/06/02	LOCK	1	1	106	24	65	2	0.2	0.70	104.3	13688			
03/05/02	LOCK	1	1	106	18	48	23	0.3	0.80	41.8	4751			
04/11/02	LOCK	1	1	106	11	31	18	1.4	2.60	0.5	BDL			
05/03/02	LOCK	1	1	106	7	56	12	0.6	0.51	2.6	BDL			
05/03/02	LOCK	1	1	106	10	56	24	1	2.36	2.6	BDL			
05/28/02	LOCK	1	1	106	7	56	14	0.8	0.78	6.4	4697			
05/28/02	LOCK	1	1	106	10	56	25	0.8	1.14	6.4	2048			
06/18/02	LOCK	1	1	106	5	59	12	0.2	0.44	7.2	4277			
06/18/02	LOCK	1	1	106	12	59	21	0.5	0.87	8.9	4910			
06/27/02	LOCK	1	1	106	24	0	15	0.2	0.03	7.5	3477			
11/07/01	LOCK	1	2	106	17	49	44	1.6	0.10	2.0	4117			
12/07/01	LOCK	1	2	106	16	48	47	1.6	0.42	1.1	BDL			
01/07/02	LOCK	1	2	106	16	46	47	1.6	0.73	6.0	3018			
02/06/02	LOCK	1	2	106	21	65	48	1.7	0.10	27.0	8038			
03/05/02	LOCK	1	2	106	16	48	48	1.7	0.25	8.8	4990			
04/11/02	LOCK	1	2	106	20	31	41	2.6	2.96	1.2	BDL	467	11	2
05/03/02	LOCK	1	2	106	20	56	37	1.9	2.36	1.5	BDL			
05/28/02	LOCK	1	2	106	20	56	38	2	2.10	1.2	BDL			
06/18/02	LOCK	1	2	106	21	59	44	1.9	0.92	9.4	3861			
06/20/02	LOCK	1	2	106	21	0	52	2.1	0.92	18.8	4586			
06/27/02	LOCK	1	2	106	21	0	58	0.9	0.80	9.4	4127			
07/12/02	LOCK	1	2	106	21	0	43	1.7	0.37	10.5	3067			
07/12/02	LOCK	1	2	106	21	0	43	1.7	0.37	10.9	2855			
07/18/02	LOCK	1	2	106	21	0	50	1.8	0.92	8.7	4594			
07/18/02	LOCK	1	2	106	21	0	44	1.7	0.63	2.3	2251			
07/24/02	LOCK	1	2	106	21	0	51	1.8	0.38	7.8	6241			
07/24/02	LOCK	1	2	106	21	0	43	1.6	0.30	7.5	3617			
07/31/02	LOCK	1	2	106	21	0	43	1.5	0.29	9.5	7532			
07/31/02	LOCK	1	2	106	21	0	51	1.8	0.36	5.0	2052			
08/12/02	LOCK	1	2	106	28	54	45	1.5	0.08	5.8	2393			
11/07/01	LOCK	1	3	106	15	49	70	0.8	0.70	7.2	4312	1743	218	56
12/07/01	LOCK	1	3	106	15	48	69	0.7	2.55	4.1	BDL	554	60	4
01/07/02	LOCK	1	3	106	15	46	68	0.8	1.71	4.2	1348	407	45	
02/06/02	LOCK	1	3	106	20	65	73	0.5	1.54	55.3	5439	2706	401	42
03/05/02	LOCK	1	3	106	15	48	70	0.6	1.69	58.6	6530	3372	550	93
05/03/02	LOCK	1	3	106	19	56	67	1.2	3.85	60.6	3796	4131		26
05/28/02	LOCK	1	3	106	19	56	66	1.6	3.66	1.7	BDL	432	40	5
06/18/02	LOCK	1	3	106	20	59	69	0.8	1.90	2.0	BDL	358	32	6
06/20/02	LOCK	1	3	106	20	0	73	0.5	1.90	1.9	BDL			
08/12/02	LOCK	1	3	106	26	54	71	0.4	0.96	41.4	8637	3876	515	92
06/20/02	LOCK	1	5	106	18	0	118	1.5	0.03	11.2	BDL			

Epilithic data table 23

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
12/07/01	LOCK	2	1	106	16	16	12	1	0.22	0.9	BDL			
04/12/02	LOCK	2	1	106	15	15	6	1.8	1.57	0.9	BDL			
05/03/02	LOCK	2	1	106	16	16	11	1.8	1.35	7.8	BDL			
05/28/02	LOCK	2	1	106	16	16	10	1.8	1.38	2.1	BDL			
06/18/02	LOCK	2	1	106	16	40	8	1.4	0.39	20.0	15127			
08/09/02	LOCK	2	1	106	16	41	12	0.8	0.05	12.6	3621			
06/18/02	LOCK	2	2	106	24	40	17	2	0.68	14.2	5265			
08/09/02	LOCK	2	2	106	25	41	18	1.2	0.11	3.5	1520			

Epilithic data table 24

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/07/01	LOCK	3	1	106	13	13	7	0.7	0.03	16.1	4045			
12/07/01	LOCK	3	1	106	22	43	8	0.6	0.20	13.4	5443			
01/07/02	LOCK	3	1	106	22	43	9	1	0.58	11.0	2212			
02/06/02	LOCK	3	1	106	22	43	12	0.6	0.37	8.5	3197			
03/05/02	LOCK	3	1	106	22	43	10	0.7	0.42	2.0	BDL			
05/28/02	LOCK	3	1	106	20	20	14	1.8	1.35	2.9	BDL			
06/18/02	LOCK	3	1	106	22	42	11	1	0.87	12.0	7047			
12/07/01	LOCK	3	2	106	21	43	25	1.1	0.70	1.9	BDL			
01/07/02	LOCK	3	2	106	21	43	25	1.5	1.06	3.2	BDL			
02/06/02	LOCK	3	2	106	21	43	23	0.9	0.80	18.6	1615			
03/05/02	LOCK	3	2	106	21	43	24	1.3	1.02	26.7	8625			
05/03/02	LOCK	3	2	106	20	20	24	2.4	1.83	4.7	BDL			
06/18/02	LOCK	3	2	106	20	42	24	1.7	0.90	18.5	11553			
08/09/02	LOCK	3	2	106	21	21	23	0.8	0.19	18.7	7703			

Epilithic data table 25

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
12/07/01	LOCK	4	1	106	5	41	3	0.5	0.58	3.8	BDL			
01/07/02	LOCK	4	1	106	5	41	4	0.6	0.82	8.7	1693			
02/06/02	LOCK	4	1	106	5	41	3	0.2	0.82	5.2	BDL			
03/05/02	LOCK	4	1	106	5	41	4	0.5	1.57	31.3	3165			
04/12/02	LOCK	4	1	106	5	5	5	1.9	0.03	2.2	3760	575	35	21
05/03/02	LOCK	4	1	106	5	5	4	1.3	0.58	25.8	3280	1530		4
05/28/02	LOCK	4	1	106	5	5	4	1.5	0.27	3.0	BDL	582	30	8
06/18/02	LOCK	4	1	106	5	40	4	0.7	1.09	2.3	2194			
08/09/02	LOCK	4	1	106	6	42	5	0.3	0.18	17.1	2886			
11/07/01	LOCK	4	2	106	31	31	26	0.7	1.59	29.6	4493	2126	260	22
12/07/01	LOCK	4	2	106	35	41	18	0.6	2.70	22.3	4923	1862	228	59
01/07/02	LOCK	4	2	106	35	41	10	1.4	3.51	35.2	4208	2594	345	
02/06/02	LOCK	4	2	106	35	41	18	0.8	2.05	314.8	49685	20220	2298	226
03/05/02	LOCK	4	2	106	35	41	9	1.2	4.06	35.6	8793	3832	545	64
06/18/02	LOCK	4	2	106	35	40	13	1	3.44	2.7	1301	682	88	7
08/09/02	LOCK	4	2	106	36	42	16	0.6	2.75	129.1	18198	6097	716	105

Epilithic data table 26

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
05/06/02	LOCK	5	1	106	4	65	2	1.4	0.66	5.4	2590			
05/28/02	LOCK	5	1	106	4	65	2	1.3	0.63	4.1	5220			
06/18/02	LOCK	5	1	106	4	109	1	0.6	0.10	3.2	3031			
11/07/01	LOCK	5	2	106	10	97	9	0.7	2.70	22.0	7809			
12/07/01	LOCK	5	2	106	13	97	13	0.9	2.67	0.8	BDL			
01/07/02	LOCK	5	2	106	13	72	17	1.1	3.03	1.0	BDL	185	10	
02/06/02	LOCK	5	2	106	13	97	12	0.8	1.57	24.6	3003	1631	207	21
03/04/02	LOCK	5	2	106	13	96	11	0.9	3.70	44.5	8282	2219	324	38
04/11/02	LOCK	5	2	106	12	61	10	1.8	4.95	9.5	8150	3292	205	31
05/06/02	LOCK	5	2	106	12	65	13	1.7	4.64	1.2	BDL	1577	100	2
05/28/02	LOCK	5	2	106	12	65	16	1.6	3.34	1.1	BDL	368	19	2
06/18/02	LOCK	5	2	106	12	109	11	1.1	2.43	1.1	BDL	317	23	3
06/20/02	LOCK	5	2	106	13	0	17	0.6	2.43	8.8	2270			
08/12/02	LOCK	5	2	106	13	96	12	0.4	0.83	25.0	6563	2739	303	54
11/07/01	LOCK	5	3	106	28	97	32	0.4	1.33	17.1	9792	3847	481	136
11/07/01	LOCK	5	3	106	28	97	51	0.2	0.30	7.1	6143			
12/07/01	LOCK	5	3	106	34	97	42	0.5	1.40	10.4	BDL	620	65	
01/07/02	LOCK	5	3	106	34	72	45	0.8	1.54	27.5	2578	1044	156	
02/06/02	LOCK	5	3	106	34	97	38	0.5	0.75	60.6	6962	3394	479	69
03/04/02	LOCK	5	3	106	31	96	39	0.5	0.82	111.2	10238	4096	645	84
04/11/02	LOCK	5	3	106	30	61	33	1.5	3.42	23.4	8546	3774	230	40
05/06/02	LOCK	5	3	106	30	65	37	1.4	3.01	1.8	BDL	498	30	3
05/28/02	LOCK	5	3	106	30	65	44	1.3	2.19	4.2	BDL	760	57	8
06/18/02	LOCK	5	3	106	31	109	43	0.5	1.40	6.2	2851	1253	100	15
06/20/02	LOCK	5	3	106	31	0	40	0.4	1.40	6.2	2278			
08/12/02	LOCK	5	3	106	31	96	47	0.3	0.05	32.8	11651	5170	554	95
11/07/01	LOCK	5	4	106	28	97	73	0.6	1.33	22.1	5458	2945	327	66
12/07/01	LOCK	5	4	106	25	97	88	1.3	1.81	5.3	BDL	778	80	13
01/07/02	LOCK	5	4	106	25	72	89	1.6	2.17	53.5	5259	2685	367	
02/06/02	LOCK	5	4	106	25	97	83	1.2	1.09	137.3	16246	6951	1087	110
03/04/02	LOCK	5	4	106	20	96	81	1.1	1.93	40.8	5960	2303	370	50
04/11/02	LOCK	5	4	106	19	61	73	2	4.11	19.8	4643	2647	233	18
05/06/02	LOCK	5	4	106	19	65	74	1.9	3.56	2.6	BDL	363	39	4
05/28/02	LOCK	5	4	106	19	65	73	1.7	3.39	0.8	BDL	432	29	4
06/18/02	LOCK	5	4	106	20	109	82	1.3	2.02	4.1	BDL	558	72	9
06/20/02	LOCK	5	4	106	20	0	85	1.5	2.02	3.3	BDL			
08/12/02	LOCK	5	4	106	20	96	94	1	1.42	56.0	11414	5550	656	104

Epilithic data table 27

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/07/01	LOCK	5	5	106	26	97	120	2	3.49	10.5	3439	1355	188	22
12/07/01	LOCK	5	5	106	22	97	116	2.1	3.27	22.5	4331	1567	182	70
02/06/02	LOCK	5	5	106	19	97	115	2.1	3.10	88.5	17219			
03/04/02	LOCK	5	5	106	27	96	114	2.1	3.82	87.9	18525			
06/18/02	LOCK	5	5	106	42	109	105	2	3.27	1.9	BDL			
06/20/02	LOCK	5	5	106	27	0	100	0.7	3.27	0.9	BDL			
06/27/02	LOCK	5	5	106	27	0	100	1.9	1.93	24.2	3882			
06/27/02	LOCK	5	5	106	27	0	110	2.2	2.12	3.9	BDL			
07/12/02	LOCK	5	5	106	27	0	134	2	3.39	62.6	11826			
07/12/02	LOCK	5	5	106	27	0	129	2.3	3.63	89.0	9447			
07/18/02	LOCK	5	5	106	27	0	117	2.4	3.42	96.2	10399			
07/18/02	LOCK	5	5	106	27	0	133	2.3	3.99	45.1	6930			
07/18/02	LOCK	5	5	106	27	0	133	2.3	3.99	40.6	5361			
07/24/02	LOCK	5	5	106	27	0	121	2.4	3.32	140.5	18326			
07/24/02	LOCK	5	5	106	27	0	130	2.3	3.52	62.7	12528			
07/31/02	LOCK	5	5	106	27	0	118	2.2	3.40	3.8	8692			
07/31/02	LOCK	5	5	106	27	0	129	2.3	4.40	3.7	5603			
08/12/02	LOCK	5	5	106	27	96	121	2	2.94	69.7	7005			
11/07/01	LOCK	5	6	106	4	97	141	0.4	0.51	30.3	5880			
12/07/01	LOCK	5	6	106	3	97	141	0.3	0.34	5.4	BDL			
02/06/02	LOCK	5	6	106	6	97	139	0.6	0.20	29.0	5094			
03/04/02	LOCK	5	6	106	5	96	140	0.5	0.97	26.2	3261			
08/12/02	LOCK	5	6	106	5	96	140	0.7	0.38	16.3	6198			

Epilithic data table 28

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
05/06/02	PATR	1	0	115	4	28	-2	0.3	0.99	0.6	BDL			
11/19/01	PATR	1	1	115	2	93	2	0.4	1.40	12.7	5664			
01/08/02	PATR	1	1	115	2	100	2	0.6	1.28	19.2	3242			
02/07/02	PATR	1	1	115	2	99	2	0.4	0.61	0.3	BDL			
03/05/02	PATR	1	1	115	2	100	2	0.7	1.28	0.5	BDL			
04/12/02	PATR	1	1	115	2	24	2	1.5	2.58	2.7	BDL			
05/06/02	PATR	1	1	115	2	28	2	1.3	2.77	0.2	BDL			
05/29/02	PATR	1	1	115	2	24	2	1.4	2.70	3.7	1665			
08/09/02	PATR	1	1	115	2	100	1	0.2	0.00	19.7	3964			
12/11/01	PATR	1	2	115	7	98	8	1	1.47	0.1	BDL			
01/08/02	PATR	1	2	115	7	100	8	1.3	1.50	1.3	BDL			
02/07/02	PATR	1	2	115	7	99	8	1.1	1.18	0.3	BDL			
03/05/02	PATR	1	2	115	7	100	9	1.4	1.62	0.5	BDL			
04/12/02	PATR	1	2	115	7	24	9	2.4	3.06	2.6	1039	362	22	6
05/06/02	PATR	1	2	115	7	28	8	22.2	3.03	0.4	BDL	394	14	BDL
05/29/02	PATR	1	2	115	7	24	10	1.9	2.12	3.9	1741	837	83	6
08/09/02	PATR	1	2	115	7	100	7	0.9	0.80	83.3	9619			
11/19/01	PATR	1	3	115	16	93	20	1.1	1.02	64.2	13954	6228	814	196
12/11/01	PATR	1	3	115	16	98	24	0.9	1.02	0.0	BDL	105	1	72
01/08/02	PATR	1	3	115	16	100	26	1.3	1.59	16.2	3882	1493	157	
02/07/02	PATR	1	3	115	16	99	25	1	0.90	23.3	4598	1834	209	36
03/05/02	PATR	1	3	115	16	100	25	1.2	1.11	8.5	BDL	616	73	10
04/12/02	PATR	1	3	115	15	24	18	2.3	3.44	14.9	5295	1516	157	31
05/06/02	PATR	1	3	115	15	28	20	2.1	2.91	3.4	3740	839	58	4
05/29/02	PATR	1	3	115	15	24	23	1.9	2.31	3.1	BDL	452	37	4
08/09/02	PATR	1	3	115	16	100	29	0.9	1.44	8.1	2376	1206	97	28
11/19/01	PATR	1	4	115	22	93	52	1.3	2.67	34.4	7671			
12/11/01	PATR	1	4	115	23	98	60	1.3	2.55	14.0	4752			
01/08/02	PATR	1	4	115	23	100	55	1.7	2.46	32.2	5984			
02/07/02	PATR	1	4	115	23	99	53	1.4	2.48	18.3	3971			
03/05/02	PATR	1	4	115	23	100	66	1.6	1.62	26.9	2846			
08/09/02	PATR	1	4	115	23	100	56	1.5	1.67	45.9	6482			
11/19/01	PATR	1	5	115	39	93	94	1.5	1.71	68.8	17118	5542	686	174
12/11/01	PATR	1	5	115	36	98	85	1.5	2.10	35.9	11343	3877	465	196
01/08/02	PATR	1	5	115	35	100	94	1.7	2.48	56.7	8629	4805	504	
02/07/02	PATR	1	5	115	35	99	95	1.5	2.94	21.5	5157	2622	317	40
03/05/02	PATR	1	5	115	35	100	100	1.9	2.53	44.0	7823	3284	423	35
08/09/02	PATR	1	5	115	36	100	100	1.6	1.22	12.6	2198	1239	111	
11/19/01	PATR	1	6	115	14	93	133	1.6	2.00	5.1	BDL			
12/11/01	PATR	1	6	115	15	98	140	1.1	1.66	4.3	2671			
01/08/02	PATR	1	6	115	17	100	146	1	1.47	13.3	2190			
02/07/02	PATR	1	6	115	16	99	141	1.2	1.86	7.1	BDL			
03/05/02	PATR	1	6	115	16	100	143	1.4	1.76	16.8	3005			
08/09/02	PATR	1	6	115	15	100	137	1.1	1.49	23.6	4012			

Epilithic data table 29

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
04/12/02	PATR	2	0	115	2	19	-1	0.7	0.94	0.9	BDL			
05/06/02	PATR	2	0	115	2	26	-1	0.5	0.34	0.4	BDL			
05/29/02	PATR	2	0	115	2	26	-1	0.5	0.44	0.4	BDL			
05/06/02	PATR	2	1	115	7	26	6	1.9	2.07	0.3	BDL			
05/29/02	PATR	2	1	115	7	26	7	1.7	1.62	0.5	BDL			
08/09/02	PATR	2	1	115	8	43	6	0.5	0.16	14.4	4534			
12/11/01	PATR	2	2	115	18	32	14	1.1	0.51	8.3	BDL			
01/07/02	PATR	2	2	115	18	32	18	1.8	1.11	2.4	BDL			
02/06/02	PATR	2	2	115	18	32	17	1.3	0.32	2.9	BDL			
03/05/02	PATR	2	2	115	18	34	15	1.4	0.68	18.3	6245			
04/12/02	PATR	2	2	115	17	19	15	2.6	2.36	2.2	1982			
05/06/02	PATR	2	2	115	17	26	18	2.6	2.62	0.5	BDL			
05/29/02	PATR	2	2	115	17	26	17	2.2	1.69	1.6	BDL			
08/09/02	PATR	2	2	115	19	43	18	0.8	0.48	10.3	2749			
11/19/01	PATR	2	3	115	14	14	35	2.2	1.42	23.6	4792			
12/11/01	PATR	2	3	115	14	32	38	1.9	1.04	9.0	3114			
01/07/02	PATR	2	3	115	14	32	33	2.2	1.04	2.5	BDL			
02/06/02	PATR	2	3	115	14	32	34	2.2	1.04	17.4	4048			
03/05/02	PATR	2	3	115	15	34	33	2.2	1.04	21.6	6169			
08/09/02	PATR	2	3	115	16	43	39	1.7	0.60	15.7	4242			

Epilithic data table 30

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
04/12/02	PATR	3	0	115	6	11	-1	0.8	0.18	2.3	1679	614	29	13
05/06/02	PATR	3	0	115	6	11	-2	0.6	0.25	0.8	BDL	204	10	5
05/29/02	PATR	3	0	115	4	10	-1	0.5	0.20	0.4	BDL	183	10	2
11/19/01	PATR	3	1	115	6	51	4	1	0.61	20.6	4721	2185	238	55
12/11/01	PATR	3	1	115	6	50	3	0.8	0.80	1.4	BDL	218	16	24
01/07/02	PATR	3	1	115	6	50	2	1.2	0.78	16.3	2511	1319	133	
02/06/02	PATR	3	1	115	6	51	3	1	0.92	10.6	2060	1043	109	11
03/05/02	PATR	3	1	115	6	51	4	1.1	1.38	17.0	2353	1051	139	16
04/12/02	PATR	3	1	115	6	11	3	2.1	2.79	1.9	2129	523	22	6
05/06/02	PATR	3	1	115	6	11	1	2.1	3.03	6.6	2143	1552	145	7
05/29/02	PATR	3	1	115	6	10	3	2	1.62	1.0	BDL	264	14	3
08/09/02	PATR	3	1	115	7	44	3	0.5	0.37	49.7	5028	2453	255	133
11/19/01	PATR	3	2	115	44	51	9	1.8	2.84	109.9	15929	9019	1115	184
12/11/01	PATR	3	2	115	44	50	9	1.7	2.55	60.7	10281	3612	498	68
01/07/02	PATR	3	2	115	44	50	6	2	3.58	26.6	2802	1601	180	
02/06/02	PATR	3	2	115	44	51	8	1.7	4.11	82.6	15676	7181	887	67
03/05/02	PATR	3	2	115	44	51	8	2	3.51	38.2	12096	4324	664	58
08/09/02	PATR	3	2	115	37	44	9	1.5	2.99	188.0	23146	9556	958	100

Epilithic data table 31

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/19/01	PATR	4	1	115	10	10	7	1.2	0.03	9.2	4860			
12/11/01	PATR	4	1	115	10	10	5	0.9	0.03	7.2	5253			
01/07/02	PATR	4	1	115	10	10	5	1.5	0.03	2.7	BDL			
02/06/02	PATR	4	1	115	10	10	3	0.6	0.03	12.9	3918			
03/05/02	PATR	4	1	115	10	10	5	1.5	0.03	14.7	7381	3480	523	67
04/12/02	PATR	4	1	115	9	9	1	1.3	0.03	5.5	3414	1220	106	28
05/06/02	PATR	4	1	115	9	9	2	1.4	0.18	0.9	BDL	1040	60	2
08/09/02	PATR	4	1	115	10	10	2	0.9	0.00	6.7	3271	1616	114	43

Epilithic data table 32

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
04/12/02	PATR	5	0	115	10	18	-7	0.9	0.13	0.9	2424			
05/06/02	PATR	5	0	115	10	18	-7	0.5	0.03	0.7	1036			
05/29/02	PATR	5	0	115	9	17	-5	0.6	0.03	2.7	6024	1708	126	21
02/06/02	PATR	5	1	115	8	8	4	0.5	0.03	6.7	2325			
03/05/02	PATR	5	1	115	8	8	6	0.8	0.03	13.4	5756			
04/12/02	PATR	5	1	115	7	18	2	1.6	1.40	0.9	BDL			
05/06/02	PATR	5	1	115	7	18	2	1.7	0.82	4.4	2940			
05/29/02	PATR	5	1	115	7	17	3	1.7	0.25	2.8	1872			
11/19/01	PATR	5	2	115	11	11	9	2	0.03	10.4	4774	1771	183	38
12/11/01	PATR	5	2	115	11	11	9	1.7	0.03	12.4	6848	2495	269	87
08/09/02	PATR	5	3	115	84	84	18	2.3	0.14	8.4	3165			

Epilithic data table 33

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
04/15/02	TRAC	1	0	122	5	5	-7	0.6	0.30	0.5	BDL	228	2	5
05/06/02	TRAC	1	0	122	3	8	-3	0.6	1.02	0.7	BDL			
05/29/02	TRAC	1	0	122	3	8	-3	0.6	0.92	0.6	BDL			
06/19/02	TRAC	1	0	122	1	44	-1	0.4	0.03	57.5	15486			
11/15/01	TRAC	1	1	122	5	43	2	0.5	0.03	53.0	9097			
12/13/01	TRAC	1	1	122	12	50	3	0.5	0.03	15.3	4052			
01/08/02	TRAC	1	1	122	5	43	3	0.9	0.90	21.8	2720			
02/07/02	TRAC	1	1	122	5	43	2	0.3	0.03	16.4	4874			
03/06/02	TRAC	1	1	122	5	43	2	0.8	0.75	14.9	3934			
05/06/02	TRAC	1	1	122	5	8	3	2	2.00	6.9	2940	1345	126	21
05/29/02	TRAC	1	1	122	5	8	5	2	1.81	6.8	2419	1009	87	9
06/19/02	TRAC	1	1	122	5	44	7	2.1	0.34	15.7	8688			
08/13/02	TRAC	1	1	122	5	44	4	0.8	0.71	16.3	2834			
11/15/01	TRAC	1	2	122	38	43	14	2.6	1.33	11.9	2827	1216	127	23
12/13/01	TRAC	1	2	122	38	50	11	2.2	0.90	27.3	7045	1870	231	78
01/08/02	TRAC	1	2	122	38	43	11	2.3	1.23	9.2	3032	734	93	
02/07/02	TRAC	1	2	122	38	43	11	2	0.51	16.8	2007	1148	122	21
03/06/02	TRAC	1	2	122	38	43	10	2.2	1.26	6.9	2128	918		22
06/19/02	TRAC	1	2	122	38	44	11	2.8	1.33	12.6	3473	1735	153	25
08/13/02	TRAC	1	2	122	38	44	13	2.2	1.55	12.3	2214	892	85	19

Epilithic data table 34

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
01/08/02	TRAC	2	0	122	7	98	-1	0.1	0.10	2.8	BDL			
03/06/02	TRAC	2	0	122	6	91	-3	0.1	0.03	1.9	BDL			
04/15/02	TRAC	2	0	122	26	35	-18	0.8	0.46	0.8	BDL			
04/15/02	TRAC	2	0	122	26	35	-11	1.3	2.36	0.8	BDL			
05/06/02	TRAC	2	0	122	4	39	-17	0.2	0.34	2.5	BDL			
05/06/02	TRAC	2	0	122	13	39	-10	0.5	1.35	0.5	BDL			
05/29/02	TRAC	2	0	122	15	37	-7	0.4	1.04	0.9	BDL			
11/15/01	TRAC	2	1	122	14	91	4	0.1	0.03	127.1	25266			
12/13/01	TRAC	2	1	122	14	91	5	0.2	0.32	37.7	7069			
01/08/02	TRAC	2	1	122	14	98	3	0.3	0.42	33.6	5028			
02/07/02	TRAC	2	1	122	14	94	5	0.2	0.03	58.9	5946			
03/06/02	TRAC	2	1	122	13	91	6	0.4	0.66	21.5	8054			
04/15/02	TRAC	2	1	122	9	35	4	2	3.63	3.8	BDL	587	22	4
05/06/02	TRAC	2	1	122	10	39	7	1.3	2.94	2.4	BDL			
05/29/02	TRAC	2	1	122	11	37	5	0.9	1.74	1.0	BDL			
06/19/02	TRAC	2	1	122	13	88	10	0.5	0.49	14.0	13775	5449	386	55
11/15/01	TRAC	2	2	122	15	91	16	1	1.18	129.1	3706			
12/13/01	TRAC	2	2	122	15	91	17	1.3	1.18	9.1	3068			
01/08/02	TRAC	2	2	122	15	98	17	1.4	1.45	19.9	1720			
02/07/02	TRAC	2	2	122	15	94	17	1.5	1.28	33.6	3591			
03/06/02	TRAC	2	2	122	14	91	23	2.1	2.07	12.2	1824			
05/06/02	TRAC	2	2	122	11	39	18	1.8	3.03	26.4	6082	3006	402	41
05/29/02	TRAC	2	2	122	12	37	17	1.6	1.69	13.4	3022	1479	119	
06/19/02	TRAC	2	2	122	14	88	16	0.8	1.04	33.3	19362			
08/13/02	TRAC	2	2	122	16	90	17	0.2	0.00	41.7	7658			
11/15/01	TRAC	2	3	122	62	91	30	2.4	1.54	3.5	BDL	941	86	20
12/13/01	TRAC	2	3	122	62	91	29	2.4	1.71	17.5	4147	1140	136	44
01/08/02	TRAC	2	3	122	62	98	28	2.6	2.14	18.8	BDL	903	115	
02/07/02	TRAC	2	3	122	66	94	29	2.3	1.59	41.4	4404	1950	241	44
03/06/02	TRAC	2	3	122	58	91	32	2.6	2.07	16.5	2182	957		20
06/19/02	TRAC	2	3	122	61	88	29	2.2	1.11	34.7	9010	3265	282	38
06/28/02	TRAC	2	3	122	58	0	32	2.5	1.23	125.0	25069			
07/10/02	TRAC	2	3	122	58	0	33	2.4	1.62	102.1	18501			
07/10/02	TRAC	2	3	122	58	0	38	2.4	1.57	87.8	14986			
07/18/02	TRAC	2	3	122	57	0	33	2.5	1.78	5.5	BDL			
07/18/02	TRAC	2	3	122	57	0	31	2.5	1.81	5.7	BDL			
07/24/02	TRAC	2	3	122	67	0	32	2.1	1.70	8.8	2459			
07/24/02	TRAC	2	3	122	67	0	39	2.4	1.99	12.9	2052			
07/31/02	TRAC	2	3	122	67	0	35	2.2	1.84	18.6	3875			
07/31/02	TRAC	2	3	122	67	0	40	2.3	2.00	16.7	2572			
08/13/02	TRAC	2	3	122	74	90	40	2	1.29	20.1	3246	1590	135	24
08/13/02	TRAC	2	3	122	74	90	61	2.1	1.72	15.1	2850			

Epilithic data table 35

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
04/15/02	TRAC	3	0	122	15	23	-7	1	0.75	1.0	BDL			
05/06/02	TRAC	3	0	122	9	24	-5	0.4	0.03	2.0	BDL			
06/19/02	TRAC	3	0	122	4	27	-1	0.3	0.03	19.9	13742			
11/15/01	TRAC	3	1	122	10	77	4	0.4	0.03	14.5	7739			
12/13/01	TRAC	3	1	122	10	25	3	0.2	0.03	13.6	3622			
01/08/02	TRAC	3	1	122	9	24	3	0.7	0.56	25.6	4404			
02/07/02	TRAC	3	1	122	10	73	5	0.4	0.03	24.1	6737			
03/06/02	TRAC	3	1	122	10	24	4	0.7	0.78	10.5	BDL			
04/15/02	TRAC	3	1	122	8	23	3	2.3	2.72	5.4	BDL	771	35	13
05/06/02	TRAC	3	1	122	2	24	4	1.5	2.60	2.4	BDL			
05/29/02	TRAC	3	1	122	9	23	5	1.3	1.71	4.3	2296			
06/19/02	TRAC	3	1	122	10	27	6	1	0.87	62.5	24159	10950	1040	140
08/13/02	TRAC	3	1	122	11	27	6	0.3	0.03	25.4	8095			
12/13/01	TRAC	3	2	122	15	25	16	1.9	0.54	3.8	BDL			
01/08/02	TRAC	3	2	122	14	24	20	2.5	2.02	15.5	3678			
03/06/02	TRAC	3	2	122	14	24	18	2.2	1.50	17.6	4090			
05/06/02	TRAC	3	2	122	13	24	12	2.4	3.08	8.9	3168	801	87	11
05/29/02	TRAC	3	2	122	14	23	12	2.1	2.29	3.0	BDL	456	32	2
06/19/02	TRAC	3	2	122	14	27	15	20	0.03	11.3	2936			
11/15/01	TRAC	3	3	122	67	77	14	2.6	1.33	10.3	4436	1216	127	25
02/07/02	TRAC	3	3	122	63	73	24	1.8	1.28	17.9	3271			
08/13/02	TRAC	3	3	122	16	27	23	2	0.61	9.1	2284			

Epilithic data table 36

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
04/15/02	TRAC	4	0	122	15	15	-8	1.5	2.26	1.4	BDL	446	11	6
05/06/02	TRAC	4	0	122	9	13	-4	0.3	0.68	0.6	BDL			
05/29/02	TRAC	4	0	122	9	13	-8	0.2	0.20	0.4	BDL			
11/15/01	TRAC	4	1	122	4	21	2	0.3	0.03	16.4	10741			
12/13/01	TRAC	4	1	122	4	21	3	0.5	-0.33	4.9	2247			
01/08/02	TRAC	4	1	122	4	21	2	0.5	0.18	43.0	5544			
02/07/02	TRAC	4	1	122	4	21	3	0.3	0.30	53.1	5789			
03/06/02	TRAC	4	1	122	4	21	3	0.5	0.46	20.6	4530			
05/06/02	TRAC	4	1	122	3	13	4	1.5	2.12	13.3	2451	1567	155	17
05/29/02	TRAC	4	1	122	3	13	3	1.6	2.50	12.2	2404	1822	147	25
06/19/02	TRAC	4	1	122	4	20	4	1.1	1.66	132.2	36053			
08/13/02	TRAC	4	1	122	4	21	4	0.5	-0.54	81.6	9357			
11/15/01	TRAC	4	2	122	17	21	14	2.6	1.33	33.8	4004	1216	127	20
12/13/01	TRAC	4	2	122	17	21	8	2	2.36	126.3	11150	4372	585	91
01/08/02	TRAC	4	2	122	17	21	8	2.2	4.02	148.2	10034	4519	584	
02/07/02	TRAC	4	2	122	17	21	9	2	3.27	222.7	27255	11322	1432	75
03/06/02	TRAC	4	2	122	17	21	8	2	2.96	68.3	9324	3391	537	56
06/19/02	TRAC	4	2	122	17	20	7	2.2	1.86	69.1	21679	7956	722	86
06/28/02	TRAC	4	2	122	17	0	11	2.6	1.71	865.3	105497			
07/10/02	TRAC	4	2	122	17	0	8	2	2.48	176.1	42251			
07/10/02	TRAC	4	2	122	17	0	10	2.3	3.03	130.2	25114			
07/18/02	TRAC	4	2	122	17	0	9	2.3	2.19	13.0	1769			
07/18/02	TRAC	4	2	122	17	0	12	2.9	3.39	6.5	1107			
07/24/02	TRAC	4	2	122	17	0	9	2	4.21	10.0	2108			
07/24/02	TRAC	4	2	122	17	0	12	2.6	4.06	8.3	1023			
07/31/02	TRAC	4	2	122	17	0	8	1.9	4.46	62.5	8110			
07/31/02	TRAC	4	2	122	17	0	11	2.2	4.79	87.4	7808			
08/13/02	TRAC	4	2	122	17	21	10	2	4.32	36.9	5777	2236	224	78

Epilithic data table 37

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/15/01	TRAC	5	2	122	17	45	201	1.8	3.46	132.6	26578	11819	1304	152
12/13/01	TRAC	5	2	122	9	36	208	1.7	2.79	76.0	11510	5775	724	81
01/08/02	TRAC	5	2	122	17	44	182	1.8	3.15	459.9	35960	17359	1984	
02/07/02	TRAC	5	2	122	17	45	191	1.7	2.19	530.7	71140	30793	3414	382
03/06/02	TRAC	5	2	122	8	38	59	1.6	3.22	40.2	4363	2052	294	33
08/13/02	TRAC	5	2	122	22	43	205	1.9	2.75	74.3	8107	1458	173	20
11/15/01	TRAC	5	3	122	11	45	163	0.5	0.85	17.6	4985			
12/13/01	TRAC	5	3	122	11	36	179	0.6	1.90	39.5	6894			
01/08/02	TRAC	5	3	122	11	44	155	0.8	1.74	46.7	3621			
02/07/02	TRAC	5	3	122	11	45	160	0.2	1.47	57.3	4728			
03/06/02	TRAC	5	3	122	11	38	35	0.7	1.16	26.1	4028			
08/13/02	TRAC	5	3	122	22	43	170	0.5	0.61	57.8	13150	4931	562	90
11/15/01	TRAC	5	4	122	8	45	132	0.3	0.03	15.2	6693	2596	291	95
12/13/01	TRAC	5	4	122	8	36	155	0.4	0.03	67.0	10755	4317	548	100
01/08/02	TRAC	5	4	122	8	44	131	0.5	0.44	12.3	2428	1783	211	24
02/07/02	TRAC	5	4	122	8	45	5	0.2	0.03	16.6	3811	1718	176	36
03/06/02	TRAC	5	4	122	8	38	15	0.7	1.06	32.2	5189	1929	246	40
03/06/02	TRAC	5	5	122	2	38	123	0.2	0.42	2.5	BDL			
11/15/01	TRAC	5	6	122	9	45	9	0.9	0.03	2.1	3280			
12/13/01	TRAC	5	6	122	8	36	8	0.5	0.63	4.6	BDL			
01/08/02	TRAC	5	6	122	8	44	10	0.9	0.73	15.9	2687			
02/07/02	TRAC	5	6	122	9	45	11	0.5	0.03	15.3	3811			
03/06/02	TRAC	5	6	122	8	38	14	0.5	0.63	14.0	6755			

Epilithic data table 38

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/14/01	PAIN	1	1	139	8	100	2	0.2	0.44	48.4	8934			
02/08/02	PAIN	1	1	139	7	75	2	0.9	1.90	34.0	2861			
06/19/02	PAIN	1	1	139	7	90	2	0.8	1.16	15.6	4939			
08/13/02	PAIN	1	1	139	7	100	3	0.3	0.03	39.2	7460			
11/14/01	PAIN	1	2	139	15	100	10	0.7	0.99	65.6	24012	9721	1163	144
02/08/02	PAIN	1	2	139	13	75	10	1.4	2.67	81.8	5797	2702	388	64
06/19/02	PAIN	1	2	139	13	90	8	1.4	1.95	29.8	9746	3964		43
08/13/02	PAIN	1	2	139	15	100	11	0.6	1.46	35.9	5601	2208	204	50
11/14/01	PAIN	1	3	139	17	100	20	0.7	0.63	25.6	4029			
02/08/02	PAIN	1	3	139	14	75	19	1.2	3.51	45.4	3087			
06/19/02	PAIN	1	3	139	15	90	20	1.2	1.23	13.1	4958			
08/13/02	PAIN	1	3	139	17	100	20	0.5	0.72	27.5	4883			
11/14/01	PAIN	1	4	139	18	100	31	1.2	1.35	19.8	4208			
02/08/02	PAIN	1	4	139	16	75	32	2	2.62	56.1	3983	2003	285	45
06/19/02	PAIN	1	4	139	16	90	31	2	2.31	7.3	1999	1029		12
08/13/02	PAIN	1	4	139	19	100	31	1.1	1.21	17.1	2835	994	111	27
11/14/01	PAIN	1	5	139	18	100	38	0.8	0.87	472.3	13791			
02/08/02	PAIN	1	5	139	16	75	45	1.8	3.10		4836			
06/19/02	PAIN	1	5	139	16	90	42	1.4	3.61	35.1	8255			
08/13/02	PAIN	1	5	139	19	100	44	0.8	1.71	19.3	2429			
11/14/01	PAIN	1	6	139	23	100	55	0.5	0.32	48.3	29408			
06/19/02	PAIN	1	6	139	21	90	56	0.6	1.28	9.3	6541			
08/13/02	PAIN	1	6	139	24	100	56	0.4	0.11	31.7	7447			
02/08/02	PAIN	1	7	139	9	75	62	1	0.75	73.4	4166			

Epilithic data table 39

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/14/01	PAIN	2	1	139	15	100	7	0.2	0.03	17.5	6115			
02/08/02	PAIN	2	1	139	14	90	4	1.2	0.75	74.7	8352			
06/19/02	PAIN	2	1	139	14	93	7	1	1.06	8.8	4822			
08/13/02	PAIN	2	1	139	14	89	4	0.4	0.02	14.2	5352			
11/14/01	PAIN	2	2	139	22	100	17	0.5	0.68	38.4	7296	2978	310	69
02/08/02	PAIN	2	2	139	19	90	18	1.4	1.47	18.6	2227	1119	161	26
06/19/02	PAIN	2	2	139	20	93	19	1.4	0.54	10.7	5471	2260		51
08/13/02	PAIN	2	2	139	22	89	18	0.6	0.06	29.1	6143	2497	232	376
11/14/01	PAIN	2	3	139	51	100	39	1.1	1.50	43.1	7386			
02/08/02	PAIN	2	3	139	46	90	40	2.1	2.72	94.7	7897			
06/19/02	PAIN	2	3	139	47	93	41	1.8	2.26	6.8	2470			
08/13/02	PAIN	2	3	139	52	89	47	1.3	1.35	15.7	2363			
11/14/01	PAIN	2	4	139	12	100	61	0.5	0.03	12.5	2876			
02/08/02	PAIN	2	4	139	11	90	61	1.7	0.51	75.1	7916			
06/19/02	PAIN	2	4	139	11	93	62	1	0.82	11.9	6892			

Epilithic data table 40

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/14/01	PAIN	3	1	139	22	100	3	0.5	0.03	33.1	10999			
02/08/02	PAIN	3	1	139	21	65	6	1.6	0.58	48.5	10387			
06/20/02	PAIN	3	1	139	20	91	3	1.3	0.42	10.1	7330			
08/13/02	PAIN	3	1	139	19	100	8	1.1	0.04	6.8	2093			
11/14/01	PAIN	3	2	139	47	100	29	2	0.58	12.3	4228			
02/08/02	PAIN	3	2	139	44	65	16	2.3	1.52	74.6	6805			
06/20/02	PAIN	3	2	139	42	91	18	2.2	1.02	9.2	4980			
08/13/02	PAIN	3	2	139	48	100	30	2	0.67	15.6	3370			
11/14/01	PAIN	3	3	139	32	100	54	0.9	0.13	16.5	5960			
06/20/02	PAIN	3	3	139	29	91	58	1.5	0.49	8.3	5900			
08/13/02	PAIN	3	3	139	33	100	51	1.3	0.51	14.3	4792			

Epilithic data table 41

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
02/08/02	PAIN	4	0	139	11	24	-2	0.7	0.44	40.9	3812			
06/20/02	PAIN	4	0	139	15	95	-2	0.5	0.03	14.6	8608			
11/14/01	PAIN	4	1	139	13	83	3	0.3	0.03	16.6	8559	3500	361	97
02/08/02	PAIN	4	1	139	13	24	3	1.4	0.75	33.6	4355	1270	141	56
06/20/02	PAIN	4	1	139	8	95	3	1.1	0.63	23.9	12805	4614	423	112
08/13/02	PAIN	4	1	139	8	100	3	0.3	0.00	12.6	3829			52
11/14/01	PAIN	4	2	139	29	83	15	1.5	0.03	38.5	6245			
06/20/02	PAIN	4	2	139	16	95	11	2.3	0.30	5.4	4127			
08/13/02	PAIN	4	2	139	20	100	12	1.1	0.06	8.1	4154			
11/14/01	PAIN	4	3	139	40	83	32	2	0.03	35.8	4344	1509	154	25
06/20/02	PAIN	4	3	139	37	95	24	2.7	2.91	9.9	2989			
08/13/02	PAIN	4	3	139	47	100	31	2	1.77	11.3	2110			
06/20/02	PAIN	4	4	139	19	95	47	1.5	0.25	7.7	BDL			
08/13/02	PAIN	4	4	139	24	100	46	0.9	0.00	10.3	2959			

Epilithic data table 42

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
02/08/02	PAIN	5	0	139	7	28	-1	0.7	0.10	50.4	6412			
06/20/02	PAIN	5	0	139	6	27	-1	0.7	0.03	6.3	2470			
11/14/01	PAIN	5	1	139	25	100	3	0.7	0.03	39.7	6730			
02/08/02	PAIN	5	1	139	22	28	4	1.6	0.78	51.0	5781	2531	278	67
06/20/02	PAIN	5	1	139	20	27	4	1.5	0.51	8.6	7011	2949	275	51
08/13/02	PAIN	5	1	139	23	100	5	0.8	0.27	10.7	3727			63
11/14/01	PAIN	5	2	139	58	100	25	2	0.73	31.2	4208			
08/13/02	PAIN	5	2	139	51	100	20	2.1	0.99	8.4	1607			
11/14/01	PAIN	5	3	139	18	100	36	0.8	0.03	7.5	7272			
08/13/02	PAIN	5	3	139	26	100	36	0.8	0.26	9.0	2650			

Epilithic data table 43

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
02/08/02	PAIN	6	0	139	7	46	-2	0.3	0.39	30.2	3204			
06/20/02	PAIN	6	0	139	4	40	-1	0.2	0.03	10.5	8698			
11/14/01	PAIN	6	1	139	10	38	3	0.3	0.42	12.3	14740			
02/08/02	PAIN	6	1	139	10	46	5	1.3	1.95	72.0	5741			
06/20/02	PAIN	6	1	139	10	40	5	0.9	1.38	9.2	6704			
08/13/02	PAIN	6	1	139	8	36	7	0.5	0.39	11.3	3422			
11/14/01	PAIN	6	2	139	28	38	22	1.9	0.58	6.7	2857			
02/08/02	PAIN	6	2	139	28	46	17	2.1	1.71	52.6	3822			
06/20/02	PAIN	6	2	139	27	40	18	2.2	1.42	7.6	4423			
08/13/02	PAIN	6	2	139	28	36	23	1.8	0.68	11.0	3411			

Epilithic data table 44

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
01/09/02	JOHN	1	0	152	22	94	-3	0.7	2.50	1.1	BDL			
04/16/02	JOHN	1	0	152	28	64	-4	0.6	1.02	1.5	BDL			
05/07/02	JOHN	1	0	152	25	63	-14	0.6	1.59	4.4	1603			
05/30/02	JOHN	1	0	152	28	64	-18	0.5	2.65	0.3	BDL			
06/21/02	JOHN	1	0	152	5	99	-2	0.4	1.23	8.3	5479			
11/08/01	JOHN	1	1	152	6	100	3	0.3	0.27	27.7	18105			
12/18/01	JOHN	1	1	152	7	100	4	0.3	0.34	27.6	4317			
01/09/02	JOHN	1	1	152	5	94	3	1.6	2.91	12.6	1644			
02/11/02	JOHN	1	1	152	7	99	2	0.4	1.06	23.3	5141			
03/20/02	JOHN	1	1	152	7	100	2	0.2	0.80	14.7	3635			
04/16/02	JOHN	1	1	152	5	64	4	1.6	3.44	23.8	4048			
05/07/02	JOHN	1	1	152	5	63	3	1.7	3.63	6.0	1328			
05/30/02	JOHN	1	1	152	5	64	3	1.7	4.09	39.9	6864			
06/21/02	JOHN	1	1	152	6	99	4	0.7	2.10	4.1	BDL			
08/14/02	JOHN	1	1	152	4	100	3	0.2	0.59	57.0	14364			
11/08/01	JOHN	1	2	152	44	100	27	0.7	3.03	49.6	6952			
11/08/01	JOHN	1	2	152	44	100	13	0.2	1.59	8.1	3945			
12/18/01	JOHN	1	2	152	46	100	25	0.6	3.22	106.1	6354			
12/18/01	JOHN	1	2	152	46	100	16	0.4	2.05	23.2	1767			
01/09/02	JOHN	1	2	152	33	94	21	2	3.46	20.0	3003			
02/11/02	JOHN	1	2	152	45	99	10	0.3	1.76	41.2	6894			
02/11/02	JOHN	1	2	152	45	99	25	0.9	3.54	63.3	6101			
03/20/02	JOHN	1	2	152	26	100	30	0.9	3.85	10.4	3206			
03/20/02	JOHN	1	2	152	20	100	16	0.4	2.00	0.9	BDL			
04/16/02	JOHN	1	2	152	32	64	20	1.7	3.92	13.9	1827	944	82	23
05/07/02	JOHN	1	2	152	33	63	17	2	4.23	12.4	3020	481	48	43
05/30/02	JOHN	1	2	152	31	64	6	1.7	3.70	6.1	1483	833	70	6
06/21/02	JOHN	1	2	152	43	99	23	1.1	2.43	97.9	28937			
08/14/02	JOHN	1	2	152	47	100	15	0.4	2.33	15.4	5890			
08/14/02	JOHN	1	2	152	47	100	31	1.1	3.30	15.9	4647			
11/08/01	JOHN	1	3	152	17	100	48	0.3	1.66	17.8	4121	1771	184	46
12/18/01	JOHN	1	3	152	18	100	46	0.3	1.23	20.6	1399	912	106	74
01/09/02	JOHN	1	3	152	13	94	47	1.5	3.63	39.5	3053	1228	176	25
02/11/02	JOHN	1	3	152	17	99	46	0.4	1.09	22.0	3433	1270	141	10
03/20/02	JOHN	1	3	152	18	100	45	0.3	0.90	0.4	BDL	228	23	3
06/21/02	JOHN	1	3	152	16	99	47	0.7	2.65	79.9	35458	11016	1001	130
08/14/02	JOHN	1	3	152	18	100	47	0.7	3.00	9.9	2507	1214	103	54
11/08/01	JOHN	1	4	152	32	100	59	0.4	0.32	8.0	4683			
12/18/01	JOHN	1	4	152	30	100	60	0.4	0.44	27.1	3203			
01/09/02	JOHN	1	4	152	22	94	61	1.4	2.53	17.4	2029			
02/11/02	JOHN	1	4	152	29	99	62	0.4	0.78	78.8	11339			
03/20/02	JOHN	1	4	152	30	100	61	0.3	0.42	10.5	2239			
06/21/02	JOHN	1	4	152	28	99	64	0.6	1.93	18.3	8710			
08/14/02	JOHN	1	4	152	31	100	63	0.4	1.31	16.5	6804			

Epilithic data table 45

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
01/09/02	JOHN	2	0	152	28	78	-4	0.8	0.90	2.0	BDL			
04/16/02	JOHN	2	0	152	36	47	-21	1.2	1.54	2.5	BDL			
05/07/02	JOHN	2	0	152	37	47	-16	1.6	2.79	5.6	BDL			
05/30/02	JOHN	2	0	152	41	51	-8	1.4	3.58	68.3	11665			
06/21/02	JOHN	2	0	152	30	99	-12	0.3	0.42	14.9	8785			
11/08/01	JOHN	2	1	152	18	100	3	0.4	0.10	15.0	6123			
12/18/01	JOHN	2	1	152	17	100	5	0.5	0.03	12.0	3480			
01/09/02	JOHN	2	1	152	10	78	3	0.8	2.00	1.5	BDL			
02/11/02	JOHN	2	1	152	17	100	6	0.8	0.03	49.4	5333			
03/20/02	JOHN	2	1	152	18	100	6	0.5	0.03	24.9	6843			
04/16/02	JOHN	2	1	152	10	47	1	1.8	3.73	8.9	BDL	828	34	15
05/07/02	JOHN	2	1	152	10	47	3	1.9	3.61	2.1	BDL	1420	91	19
05/30/02	JOHN	2	1	152	10	51	2	2	3.58	68.8	16119	5435	512	43
06/21/02	JOHN	2	1	152	12	99	5	0.7	0.15	12.2	6302			
08/14/02	JOHN	2	1	152	17	100	2	0.4	0.00	15.1	4544			
11/08/01	JOHN	2	2	152	70	100	26	1.4	1.47	71.5	42188	17139	1476	363
12/18/01	JOHN	2	2	152	66	100	28	1.3	1.86	29.2	3676	1627	217	33
01/09/02	JOHN	2	2	152	40	78	12	2.5	3.54	0.6	BDL	220	3	BDL
02/11/02	JOHN	2	2	152	67	100	26	1.5	2.82	35.5	4938	2059	235	38
03/20/02	JOHN	2	2	152	70	100	28	1.3	2.41	6.3	2520	966	112	14
06/21/02	JOHN	2	2	152	46	99	24	1.7	3.03	91.5	24162	10012	743	69
08/14/02	JOHN	2	2	152	67	100	27	1.6	2.86	93.3	22261	8492	446	71
11/08/01	JOHN	2	3	152	11	100	41	0.7	0.56	15.5	4571			
12/18/01	JOHN	2	3	152	17	100	44	0.8	0.03	21.0	5267			
02/11/02	JOHN	2	3	152	15	100	41	0.8	0.90	30.6	7708			
03/20/02	JOHN	2	3	152	11	100	43	0.6	-0.06	8.3	3181			
06/21/02	JOHN	2	3	152	10	99	43	1	1.47	17.4	13795			
08/14/02	JOHN	2	3	152	15	100	42	0.6	1.14	23.5	4324			

Epilithic data table 46

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
12/18/01	JOHN	3	0	152	13	100	-3	0.1	0.03	9.1	1725			
01/09/02	JOHN	3	0	152	44	76	-17	0.9	1.42	2.6	BDL			
02/11/02	JOHN	3	0	152	29	91	-8	0.1	0.03	26.3	5939			
04/16/02	JOHN	3	0	152	11	61	-36	1	0.90	0.5	BDL			
04/16/02	JOHN	3	0	152	20	61	-19	1.2	3.06	7.9	BDL			
04/16/02	JOHN	3	0	152	15	61	-55	0.3	0.39	0.4	BDL			
05/07/02	JOHN	3	0	152	24	63	-50	0.4	0.34	5.5	3399			
05/07/02	JOHN	3	0	152	24	63	-22	1.3	2.79	4.2	1403			
05/30/02	JOHN	3	0	152	31	50	-11	1.1	2.91	2.3	BDL			
06/21/02	JOHN	3	0	152	34	91	-16	0.3	0.87	7.1	2997			
08/14/02	JOHN	3	0	152	31	91	-10	0.1	0.02	24.2	5756			
11/08/01	JOHN	3	1	152	28	85	10	0.2	0.46	9.4	4421			
12/18/01	JOHN	3	1	152	29	100	11	0.4	1.64	12.9	2122			
01/09/02	JOHN	3	1	152	16	76	14	1.3	3.20	18.4	2250			
02/11/02	JOHN	3	1	152	21	91	7	0.3	0.87	70.8	9330			
03/20/02	JOHN	3	1	152	29	88	8	0.1	0.13	12.8	3635			
04/16/02	JOHN	3	1	152	15	61	1	1.5	3.42	68.3	3570	2215	312	47
05/07/02	JOHN	3	1	152	15	63	6	1.5	3.30	150.0	29448	11596	1392	194
05/30/02	JOHN	3	1	152	19	50	11	1.5	3.61	67.3	10717	4812	371	25
06/21/02	JOHN	3	1	152	19	91	4	0.6	1.42	118.9	58860			
08/14/02	JOHN	3	1	152	20	91	7	0.4	1.58	25.9	6509			
11/08/01	JOHN	3	2	152	28	85	35	0.8	3.42	32.5	4393	1939	142	22
12/18/01	JOHN	3	2	152	29	100	29	0.6	2.74	17.6	4496	2036	298	BDL
01/09/02	JOHN	3	2	152	16	76	34	1.5	4.38	11.2	BDL	540	53	9
02/11/02	JOHN	3	2	152	21	91	35	0.8	4.43	65.7	9750	3854	481	57
03/20/02	JOHN	3	2	152	29	88	30	0.5	2.74	4.8	1688	621	74	11
06/21/02	JOHN	3	2	152	19	91	29	0.8	3.78	142.1	65046	21959	1663	142
08/14/02	JOHN	3	2	152	20	91	34	0.8	4.16	37.4	10271	4709	420	73
11/08/01	JOHN	3	3	152	28	85	51	0.4	3.08	39.6	7823			
12/18/01	JOHN	3	3	152	29	100	50	0.4	2.94	28.7	5381			
02/11/02	JOHN	3	3	152	21	91	50	0.4	3.54	76.4	6118			
03/20/02	JOHN	3	3	152	29	88	51	0.7	1.71	6.6	1471			
06/21/02	JOHN	3	3	152	19	91	47	0.8	2.43	37.6	14141			
08/14/02	JOHN	3	3	152	20	91	54	0.6	4.50	16.0	5218			

Epilithic data table 47

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
02/11/02	JOHN	4	3	152	29	29	73	2	0.68	17.2	3842			
03/20/02	JOHN	4	3	152	31	31	80	2.1	0.44	18.3	6134			

Epilithic data table 48

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
01/09/02	JOHN	5	0	152	44	51	-14	0.8	0.03	1.5	BDL			
04/15/02	JOHN	5	0	152	14	51	-56	0.3	0.03	1.5	BDL	498	10	3
04/15/02	JOHN	5	0	152	20	51	-34	0.9	1.14	1.3	BDL			
04/15/02	JOHN	5	0	152	18	51	-13	1.5	2.12	0.5	BDL			
05/07/02	JOHN	5	0	152	24	48	45	1.2	1.35	1.8	BDL	109	3	9
05/07/02	JOHN	5	0	152	24	48	17	0.5	0.03	1.3	BDL			
05/30/02	JOHN	5	0	152	19	48	-10	1	1.16	8.6	3928	1865	127	40
05/30/02	JOHN	5	0	152	30	48	-46	0.2	0.03	1.8	1107			
06/21/02	JOHN	5	0	152	18	43	-7	0.3	0.03	6.6	8779			
11/08/01	JOHN	5	1	152	13	80	5	0.7	0.03	6.0	2076			
12/18/01	JOHN	5	1	152	15	81	3	0.5	0.03	8.6	5494			
01/09/02	JOHN	5	1	152	7	51	3	2.2	1.09	5.9	BDL	633	43	12
03/20/02	JOHN	5	1	152	13	100	1	0.3	0.03	2.1	1315			
06/21/02	JOHN	5	1	152	8	43	2	1.4	0.03	13.6	7728			
08/14/02	JOHN	5	1	152	11	71	4	0.9	0.16	8.4	3244			
02/11/02	JOHN	5	2	152	20	83	14	2.4	0.03	20.8	2794			
11/08/01	JOHN	5	3	152	36	80	30	2.3	0.54	5.5	7183			
12/18/01	JOHN	5	3	152	37	81	39	2.4	0.73	13.2	2883			
02/11/02	JOHN	5	3	152	35	83	38	2.6	1.71	43.0	2860			
03/20/02	JOHN	5	3	152	60	100	36	2.5	0.80	42.9	11216			
08/14/02	JOHN	5	3	152	37	71	30	2.4	1.18	53.1	11444			
11/08/01	JOHN	5	4	152	31	80	58	0.5	0.22	21.0	9561	3762	396	130
12/18/01	JOHN	5	4	152	29	81	52	1.1	0.03	36.8	9573	3498	428	98
02/11/02	JOHN	5	4	152	28	83	55	0.8	0.25	33.4	8813	3067	353	97
03/20/02	JOHN	5	4	152	27	100	50	0.9	-0.04	14.6	5814	2142	235	58
06/21/02	JOHN	5	4	152	17	43	47	1.2	0.25	15.3	7033	3320	268	71
08/14/02	JOHN	5	4	152	23	71	56	1	0.18	21.0	5801	2287	171	44

Epilithic data table 49

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
01/09/02	JOHN	6	0	152	17	100	-3	0.8	0.58	0.7	BDL			
02/11/02	JOHN	6	0	152	3	96	-1	0.1	0.03	19.9	7826			
04/15/02	JOHN	6	0	152	21	28	-7	1	0.58	4.1	BDL			
05/07/02	JOHN	6	0	152	22	29	11	0.9	1.76	3.9	BDL			
05/30/02	JOHN	6	0	152	22	25	-6	1.1	1.59	1.7	BDL			5
06/20/02	JOHN	6	0	152	11	88	-6	0.4	0.63	13.6	17135			
01/09/02	JOHN	6	1	152	3	100	2	1.4	1.86	40.4	3165			
02/11/02	JOHN	6	1	152	4	96	2	0.5	0.42	32.0	7984			
03/20/02	JOHN	6	1	152	4	100	1	0.05	0.03	7.9	4700			
04/15/02	JOHN	6	1	152	3	28	2	1.7	2.24	51.2	3675			
05/07/02	JOHN	6	1	152	3	29	1	2.1	2.70	72.3	2937			
05/30/02	JOHN	6	1	152	3	25	2	2	3.37	7.1	1826			
06/20/02	JOHN	6	1	152	3	88	2	1.1	1.74	170.7	21334			
08/14/02	JOHN	6	1	152	4	95	1	0.2	0.00	10.7	3844			
11/08/01	JOHN	6	2	152	12	94	7	0.4	0.68	8.7	4626	1571	148	30
12/18/01	JOHN	6	2	152	5	89	5	0.5	0.56	25.1	5428	2193	250	4
01/09/02	JOHN	6	2	152	4	100	6	1.7	2.50	33.8	3198	1198	150	33
02/11/02	JOHN	6	2	152	5	96	6	0.6	0.70	50.3	6763	3002	357	79
03/20/02	JOHN	6	2	152	6	100	5	0.3	0.37	11.0	5021	2292	211	57
04/15/02	JOHN	6	2	152	4	28	5	2.1	3.37	68.8	9164	2460	287	73
05/07/02	JOHN	6	2	152	4	29	10	2.3	3.18	155.4	17492	8341	1055	92
06/20/02	JOHN	6	2	152	4	88	6	1.3	1.95	48.8	20505	9125	793	167
08/14/02	JOHN	6	2	152	5	95	6	0.7	0.82	23.0	4811	1606	180	29
11/08/01	JOHN	6	3	152	42	94	22	0.9	1.76	54.6	11063			
12/18/01	JOHN	6	3	152	47	89	16	1	1.45	46.7	4480			
01/09/02	JOHN	6	3	152	31	100	28	2	3.27	24.9	2794			
02/11/02	JOHN	6	3	152	47	96	23	1.1	1.59	42.4	7231			
03/20/02	JOHN	6	3	152	50	100	25	0.8	1.71	11.0	2530			
06/20/02	JOHN	6	3	152	37	88	16	1.6	2.31	198.4	61032			
08/14/02	JOHN	6	3	152	46	95	18	1.1	1.69	56.8	15066			
11/08/01	JOHN	6	4	152	41	94	50	0.5	1.28	29.0	6583			
12/18/01	JOHN	6	4	152	37	89	48	0.5	0.85	51.3	6044			
12/18/01	JOHN	6	4	152	37	89	66	0.2	0.34	19.7	2978			
01/09/02	JOHN	6	4	152	25	100	56	1.9	2.84	20.2	2381			
02/11/02	JOHN	6	4	152	37	96	48	0.7	1.45	27.2	10415			
03/20/02	JOHN	6	4	152	40	100	60	0.4	1.14	7.5	2465			
03/20/02	JOHN	6	4	152	40	100	47	0.5	0.92	2.4	BDL			
06/20/02	JOHN	6	4	152	32	88	50	1.2	3.15	49.2	13840			
08/14/02	JOHN	6	4	152	39	95	50	0.8	1.81	84.6	22889			
01/09/02	JOHN	6	5	152	21	100	76	0.8	0.75	2.0	BDL			

No epilithic samples taken from DEAD 1

No epilithic samples taken from DEAD 2

Epilithic data table 50

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/13/01	DEAD	3	1	166	30	30	6	0.9	0.03	9.2	6753	2572	249	51
02/12/02	DEAD	3	1	166	30	30	8	1.1	0.03	18.7	4493			
06/24/02	DEAD	3	1	166	30	30	8	1.5	0.44	58.2	22693	9389	760	259
08/15/02	DEAD	3	1	166	30	30	12	1.5	0.00	14.1	2937			

Epilithic data table 51

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
06/24/02	DEAD	4	0	166	9	55	-4	0.4	0.03	2.7	BDL			
08/15/02	DEAD	4	0	166	6	54	-4	0.3	0.00	10.9	1794			
11/09/01	DEAD	4	1	166	6	49	4	0.2	0.08	2.8	BDL			
02/12/02	DEAD	4	1	166	6	51	4	0.2	0.27	21.3	5251			
06/24/02	DEAD	4	1	166	6	55	5	0.8	0.66	14.6	14780			
08/15/02	DEAD	4	1	166	6	54	5	0.7	0.42	47.8	11684			
11/09/01	DEAD	4	2	166	31	49	26	1.2	1.06	7.9	1974			
02/12/02	DEAD	4	2	166	31	51	39	1.6	1.83	28.0	7259			
02/12/02	DEAD	4	2	166	31	51	23	1	1.47	19.2	5469			
06/24/02	DEAD	4	2	166	28	55	26	1.7	1.09	35.7	19117			
08/15/02	DEAD	4	2	166	29	54	31	1.6	0.50	35.5	7142			
11/09/01	DEAD	4	3	166	12	49	52	0.4	0.70	6.7	1831	906	124	30
02/12/02	DEAD	4	3	166	14	51	49	1.1	1.14	22.4	8065	3024	290	92
06/24/02	DEAD	4	3	166	13	55	56	1.7	1.54	25.1	16138	6431	424	246
08/15/02	DEAD	4	3	166	13	54	52	1	1.05	6.5	2027			BDL

Epilithic data table 52

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/09/01	DEAD	5	1	166	5	90	3	0.2	0.03	0.1	BDL			
02/12/02	DEAD	5	1	166	5	100	4	0.3	0.49	15.3	4383			
06/24/02	DEAD	5	1	166	5	90	2	1	1.50	16.2	8479			
08/15/02	DEAD	5	1	166	5	96	3	0.5	0.48	61.2	8441			
11/09/01	DEAD	5	2	166	23	90	9	0.5	0.22	11.8	6465	2737	287	72
02/12/02	DEAD	5	2	166	23	100	18	0.7	0.49	10.0	5800	2144	160	54
06/24/02	DEAD	5	2	166	20	90	23	1.1	0.94	19.5	11607	5747	380	68
08/15/02	DEAD	5	2	166	22	96	15	1.1	0.36	21.3	2398			BDL
11/09/01	DEAD	5	3	166	36	90	44	0.5	1.28	37.4	12042	4874	567	123
02/12/02	DEAD	5	3	166	36	100	41	0.7	2.19	27.8	8026	3169	269	46
06/24/02	DEAD	5	3	166	32	90	56	1.1	1.95	37.5	17273	6941	366	70
08/15/02	DEAD	5	3	166	35	96	43	0.6	1.10	49.3	13375			95
11/09/01	DEAD	5	4	166	26	90	73	1.1	1.18	9.5	3406			
02/12/02	DEAD	5	4	166	26	100	72	1.2	0.78	83.7	16852			
06/24/02	DEAD	5	4	166	23	90	78	1.4	1.11	51.4	25905			
08/15/02	DEAD	5	4	166	25	96	73	1.4	0.87	77.9	16439			
02/12/02	DEAD	5	5	166	10	100	94	0.5	0.13	11.3	4825			
06/24/02	DEAD	5	5	166	9	90	95	0.5	0.03	7.8	5675			
08/15/02	DEAD	5	5	166	10	96	94	0.5	0.00	8.1	2080			

Epilithic data table 53

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
02/12/02	DEAD	6	1	166	6	59	5	0.7	1.47	6.2	2451			
11/09/01	DEAD	6	2	166	20	50	20	1	1.66	81.8	20277	8537	794	579
02/12/02	DEAD	6	2	166	20	59	22	1	1.69	135.6	54278	21912	2105	386
06/24/02	DEAD	6	2	166	18	46	18	1.4	1.50	14.6	11075	3827	265	71
08/15/02	DEAD	6	2	166	19	50	24	1	1.56	30.5	4790			44
11/09/01	DEAD	6	3	166	9	50	44	0.2	0.32	37.7	12769			
02/12/02	DEAD	6	3	166	9	59	47	0.2	0.49	19.1	7259			
06/24/02	DEAD	6	3	166	8	46	42	0.6	1.69	26.5	16920			
08/15/02	DEAD	6	3	166	8	50	44	0.4	0.01	49.1	11922			
02/12/02	DEAD	6	6	166	4	59	122	0.5	0.03	2.4	3120			
11/09/01	DEAD	6	7	166	15	50	129	1.4	0.90	33.2	8270	3201	277	71
02/12/02	DEAD	6	7	166	15	59	132	1.6	1.69	4.0	2586	989	79	16
06/24/02	DEAD	6	7	166	14	46	138	2.2	1.47	86.0	39519	13406	791	47
08/15/02	DEAD	6	7	166	13	50	136	1.9	0.86	35.7	10836			67
11/09/01	DEAD	6	8	166	6	50	150	0.2	0.25	13.5	4247			
02/12/02	DEAD	6	8	166	6	59	152	0.3	0.18	19.3	6930			
06/24/02	DEAD	6	8	166	5	46	155	0.9	0.54	7.1	6843			
08/15/02	DEAD	6	8	166	10	50	156	0.4	0.04	34.4	4143			

No epilithic samples were taken from LNIX 1

Epilithic data table 54

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
04/16/02	LNIX	4	0	178	2	2	4	1.2	1.45	4.2	BDL	333	12	10
05/08/02	LNIX	4	0	178	2	2	-2	1	2.00	1.0	BDL	180	5	5
05/30/02	LNIX	4	0	178	2	2	-2	0.7	0.34	1.3	BDL	827	48	15
11/13/01	LNIX	4	1	178	16	49	10	1.1	0.03	7.0	2880			
01/11/02	LNIX	4	1	178	19	69	25	1.6	0.03	7.0	6492			
01/11/02	LNIX	4	1	178	19	69	5	2.2	2.98	15.4	2301			
02/14/02	LNIX	4	1	178	19	53	13	1.3	0.03	4.4	2504			
03/13/02	LNIX	4	1	178	19	100	7	1.1	0.03	7.5	4134			
06/25/02	LNIX	4	1	178	19	84	14	2.1	1.66	4.8	BDL			
08/16/02	LNIX	4	1	178	19	53	12	1.3	0.02	22.4	4280			
01/11/02	LNIX	4	2	178	46	69	57	0.2	0.56	0.4	BDL	236	12	
01/11/02	LNIX	4	2	178	46	69	100	0.7	0.90	1.9	BDL			
06/25/02	LNIX	4	2	178	46	84	97	0.2	0.46	4.9	6305			
11/13/01	LNIX	4	3	178	4	49	108	0.2	0.03	10.9	5584			
12/17/01	LNIX	4	3	178	4	33	107	0.4	0.20	6.5	2280			
01/11/02	LNIX	4	3	178	4	69	109	1.6	1.23	15.0	3007	1086	122	
02/14/02	LNIX	4	3	178	4	53	106	0.2	0.03	10.1	9780			
03/13/02	LNIX	4	3	178	52	100	110	0.4	0.03	5.3	4002			
06/25/02	LNIX	4	3	178	4	84	108	0.9	0.51	7.1	3964			
08/16/02	LNIX	4	3	178	4	53	107	0.2	0.00	15.9	4606			
11/13/01	LNIX	4	4	178	5	49	117	1.6	0.46	6.4	3048	1514	123	26
12/17/01	LNIX	4	4	178	5	33	115	1.3	0.66	4.1	1914	937	91	31
02/14/02	LNIX	4	4	178	5	53	117	1.7	0.54	3.9	2094	1246	68	33
03/13/02	LNIX	4	4	178	5	100	117	1.2	0.46	9.8	9260	3868	482	98
06/25/02	LNIX	4	4	178	5	84	114	1.9	0.99	5.5	2131	847	76	13
08/16/02	LNIX	4	4	178	5	53	115	1.2	0.40	15.2	5746	2691	240	96
11/13/01	LNIX	4	5	178	14	49	126	2.7	0.61	11.5	5178			
12/17/01	LNIX	4	5	178	14	33	134	2.4	1.16	15.7	8698			
02/14/02	LNIX	4	5	178	14	53	139	2.4	0.54	12.1	7291			
03/13/02	LNIX	4	5	178	14	100	139	2.4	0.73	3.3	BDL			
08/16/02	LNIX	4	5	178	14	53	137	2.4	0.73	5.9	1323			
11/13/01	LNIX	4	6	178	8	49	147	0.9	0.49	13.3	6775	2821	201	63
12/17/01	LNIX	4	6	178	8	33	146	1	0.46	8.6	2464	1080	109	
02/14/02	LNIX	4	6	178	8	53	147	1.4	0.56	12.2	9004	3355	298	134
03/13/02	LNIX	4	6	178	8	100	149	1.6	0.61	11.3	6761	2783	287	142
06/25/02	LNIX	4	6	178	8	84	147	1.5	1.16	5.6	4686	903	66	15
08/16/02	LNIX	4	6	178	8	53	148	1.1	0.34	10.0	2758	1350	118	37
11/13/01	LNIX	4	7	178	2	49	154	0.3	0.03	8.0	6415			
12/17/01	LNIX	4	7	178	3	33	154	0.3	0.13	4.5	1919			
02/14/02	LNIX	4	7	178	2	53	154	0.1	0.03	11.2	6452			
03/13/02	LNIX	4	7	178	2	100	155	0.6	0.03	6.0	6381			
06/25/02	LNIX	4	7	178	2	84	154	0.5	0.27	10.2	4124			
08/16/02	LNIX	4	7	178	2	53	154	0.2	0.36	10.7	3007			

Epilithic data table 55

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
01/11/02	LNIX	6	0	178	41	67	-3	0.6	0.03	4.5	1788			
04/16/02	LNIX	6	0	178	19	50	37	0.4	1.78	0.3	BDL	303	7	3
04/16/02	LNIX	6	0	178	23	50	10	1.1	0.30	0.4	BDL			
05/08/02	LNIX	6	0	178	19	51	-9	0.4	1.02	0.3	BDL	311	5	3
05/08/02	LNIX	6	0	178	23	51	-40	0.9	0.32	3.4	2181			
05/30/02	LNIX	6	0	178	19	51	-7	0.1	0.03	0.2	BDL	344	12	4
05/30/02	LNIX	6	0	178	23	51	-37	0.5	0.03	2.1	BDL			
11/13/01	LNIX	6	1	178	10	41	4	0.4	0.03	6.7	4242			
12/17/01	LNIX	6	1	178	13	41	7	0.2	0.03	11.8	2391			
01/11/02	LNIX	6	1	178	8	67	5	1.1	0.03	2.3	1335			
02/14/02	LNIX	6	1	178	14	44	5	0.3	0.03	21.0	8509			
03/13/02	LNIX	6	1	178	14	44	8	0.5	0.03	3.4	2793			
04/16/02	LNIX	6	1	178	8	50	9	1.8	0.58	2.8	BDL	527	28	12
05/08/02	LNIX	6	1	178	9	51	6	1.6	0.03	12.5	6937	3862	348	144
05/30/02	LNIX	6	1	178	9	51	9	1.2	0.03	2.3	BDL	894	40	12
06/25/02	LNIX	6	1	178	16	44	7	0.8	0.03	5.7	3007			
08/16/02	LNIX	6	1	178	9	40	9	0.4	0.01	8.5	2912			
11/13/01	LNIX	6	2	178	31	41	12	1	0.03	2.5	2456	941	71	9
12/17/01	LNIX	6	2	178	28	41	19	1.2	0.03	15.6	3491	2159	230	
01/11/02	LNIX	6	2	178	18	67	15	2.2	0.03	19.8	8681	3519	374	133
02/14/02	LNIX	6	2	178	30	44	18	2	0.03	21.9	12518	5127	511	129
03/13/02	LNIX	6	2	178	30	44	22	1.3	0.03	20.5	10439	5046	559	112
06/25/02	LNIX	6	2	178	29	44	20	1.9	0.10	4.7	2651	1070	74	20
08/16/02	LNIX	6	2	178	32	40	20	1	0.04	9.5	2181	1190	109	27

Epilithic data table 56

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
12/17/01	LNIX	8	0	178	5	91	-2	0.1	0.03	19.0	4950			
01/11/02	LNIX	8	0	178	13	95	-94	0.5	0.03	8.6	9070			
01/11/02	LNIX	8	0	178	32	95	-43	0.2	0.39	8.2	BDL			
01/11/02	LNIX	8	0	178	4	95	-3	0.5	0.99	1.9	BDL			
02/14/02	LNIX	8	0	178	6	91	-3	0.1	0.03	4.4	3031			
04/16/02	LNIX	8	0	178	15	66	-91	0.5	0.42	2.8	4181			
04/16/02	LNIX	8	0	178	13	66	-9	0.6	2.48	2.5	2117			
04/16/02	LNIX	8	0	178	21	66	-49	0.4	0.75	2.0	BDL			
05/08/02	LNIX	8	0	178	15	66	-91	0.5	0.39	1.5	BDL			
05/08/02	LNIX	8	0	178	21	66	-56	0.4	0.80	0.7	BDL			
05/08/02	LNIX	8	0	178	13	66	-20	0.5	2.31	0.4	BDL			
05/30/02	LNIX	8	0	178	11	63	-11	0.4	0.56	1.4	BDL	274	12	2
05/30/02	LNIX	8	0	178	11	63	-93	0.5	0.03	3.5	2256			
05/30/02	LNIX	8	0	178	12	63	-30	0.2	0.80	0.5	BDL			
05/30/02	LNIX	8	0	178	14	63	-59	0.3	0.54	0.7	BDL			
06/25/02	LNIX	8	0	178	7	91	-1	0.2	0.22	15.5	9532			
11/13/01	LNIX	8	1	178	11	90	5	0.1	0.03	7.7	5332			
12/17/01	LNIX	8	1	178	10	91	4	0.1	0.56	36.1	5838			
01/11/02	LNIX	8	1	178	5	95	8	0.6	1.90	17.1	3716			
02/14/02	LNIX	8	1	178	10	91	4	0.2	0.32	14.0	8398			
03/13/02	LNIX	8	1	178	11	90	9	0.2	0.03	6.4	3065	1378	136	32
04/16/02	LNIX	8	1	178	2	66	2	0.8	3.51	1.8	BDL	363	11	7
05/08/02	LNIX	8	1	178	2	66	4	1.1	2.62	4.9	BDL	932	80	14
06/25/02	LNIX	8	1	178	5	91	3	0.4	1.62	4.2	2325	936	80	17
08/16/02	LNIX	8	1	178	4	85	3	0.1	0.00	36.2	8042			
11/13/01	LNIX	8	2	178	23	90	21	0.3	1.04	4.8	3225	866	59	16
12/17/01	LNIX	8	2	178	22	91	23	0.3	0.97	2.1	1958	628	63	11
01/11/02	LNIX	8	2	178	12	95	18	0.9	2.41	6.5	BDL	442	49	70
02/14/02	LNIX	8	2	178	22	91	27	0.2	0.39	9.4	3951	2067	169	39
03/13/02	LNIX	8	2	178	23	90	23	0.4	0.70	2.5	BDL	750	87	10
04/16/02	LNIX	8	2	178	15	66	19	1.3	3.92	1.9	BDL	618	23	5
05/08/02	LNIX	8	2	178	15	66	17	1.1	4.40	2.8	1682	799	68	35
05/30/02	LNIX	8	2	178	15	63	24	0.7	2.91	9.2	4538	952	77	30
06/25/02	LNIX	8	2	178	27	91	20	0.6	1.69	3.3	BDL	548	37	8
08/16/02	LNIX	8	2	178	28	85	19	0.3	0.32	17.7	2387	1170	129	69

Epilithic data table 57

Date	Site	Transect	Unit	Distance from Tahoe	% of Transect covered by Unit	% of Transect Sampled	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)	Particulate C (ug/cm2)	Particulate N (ug/cm2)	Particulate P (ug/cm2)
11/13/01	LNIX	8	3	178	21	90	50	0.2	0.49	6.7	4330	1336	102	27
12/17/01	LNIX	8	3	178	20	91	48	0.2	0.58	2.1	1158	297	27	6
01/11/02	LNIX	8	3	178	11	95	41	0.7	2.19	10.0	BDL	516	58	25
02/14/02	LNIX	8	3	178	20	91	46	0.2	0.27	7.8	2460	1226	81	16
03/13/02	LNIX	8	3	178	21	90	57	0.3	1.11	3.2	2142			
06/25/02	LNIX	8	3	178	20	91	43	0.5	1.81	9.2	3516			
08/16/02	LNIX	8	3	178	20	85	51	0.1	0.62	17.8	3273	1762	180	51
11/13/01	LNIX	8	4	178	35	90	74	1	0.03	15.9	10181			
12/17/01	LNIX	8	4	178	33	91	61	0.5	0.03	11.8	3893			
01/11/02	LNIX	8	4	178	18	95	70	1.8	1.62	2.3	BDL			
02/14/02	LNIX	8	4	178	33	91	80	1.4	0.46	3.1	BDL			
03/13/02	LNIX	8	4	178	35	90	82	1.4	0.20	6.7	5202			
06/25/02	LNIX	8	4	178	32	91	74	0.8	0.37	5.5	1989			
08/16/02	LNIX	8	4	178	33	85	88	1.5	0.18	13.2	4154			

# WATER QUALITY DATA TABLES

Water quality data table 1

Date	Site	Distance from Tahoe (km)	Chl a in water (ug/l)	AFDW (ug/l)	NO3 (mg/L)	NH3 (mg/L)	SKN (mg/L)	TKN (mg/L)	OP (mg/L)	TP (mg/L)	TDS (mg/L)	Chloride (mg/L)	DOC (mg/L)	LAB pH	ALKALINITY (mg/L as CaCO <sub>3</sub> )	TSS (mg/L)	TURB (ntu)	Kpar (m <sup>-1</sup> )
02/13/02	HERS	32	2.22	BDL	0.082	0.001	0.13	0.27	0.01	0.022	75	6.57	1	7.91	42	2	2.1	0.0037
03/11/02	HERS	32	2.65	BDL	0.147	0.001	0.001	0.17	0.017	0.014	75	9.13	1.4	7.89	38	1	3.1	0.0129
04/10/02	HERS	32	3.11	BDL	0.088	0.001	0.24	0.29	0.009	0.012	67	4.89	N/A	7.8	31	4	2.6	0.0099
05/16/02	HERS	32	2.34	BDL	0.031	0.001	0.12	0.34	0.008	0.009	56	3	1.52	7.9	29	6	1.6	0.0105
06/13/02	HERS	32	2.30	BDL	0.001	0.001	N/A	0.31	0.007	0.006	57	3.13	1.33	8.08	33	5	2.3	0.0121
07/16/02	HERS	32	2.62	BDL	0.001	0.001	0.001	0.17	0.007	0.002	62	3.2	1.12	7.97	39	7	1.3	0.0143
08/20/02	HERS	32	1.55	BDL	0.001	0.001	0.15	0.17	0.007	0.009	71	3.96	1.22	8.09	32	0	0	0.0073
01/10/02	FLEI	56	1.43	BDL	0.121	N/A	0.001	0.001	0.013	0.019	92	10.9	2.48	7.91	43	2	1.5	0.0055
02/13/02	FLEI	56	2.80	BDL	0.059	0.001	0.001	0.001	0.018	0.026	80	7.03	0.97	7.94	41	1	1.8	0.0046
03/11/02	FLEI	56	3.63	BDL	0.123	0.001	0.1	0.14	0.013	0.018	92	10.4	1.48	7.93	39	1	3.4	0.0103
04/10/02	FLEI	56	4.03	BDL	0.083	0.001	0.14	0.26	0.018	0.011	74	5.19	N/A	7.69	30	3	4.8	0.0149
05/16/02	FLEI	56	4.27	BDL	0.005	0.001	0.001	0.21	0.015	0.016	59	0.41	1.53	7.54	28	11	2.9	0.012
06/13/02	FLEI	56	2.19	2560	0.001	0.001	N/A	0.36	0.007	0.01	59	3.14	N/A	7.99	35	8	2.2	0.0109
01/10/02	PATA	80	1.28	BDL	0.085	N/A	0.001	0.22	0.017	0.03	94	11.1	1.75	8.57	47	3	1.4	0.0066
02/13/02	PATA	80	4.33	1520	0.048	0.001	0.001	0.14	0.02	0.01	82	7.25	1.17	8.02	45	2	1.9	0.0067
03/11/02	PATA	80	4.90	BDL	0.114	0.001	0.1	0.13	0.012	0.019	83	8.88	1.45	8.06	42	3	2.6	0.0065
04/10/02	PATA	80	4.86	3867	0.076	0.001	0.18	0.42	0.01	0.024	72	5.61	N/A	7.64	32	11	7	0.0249
05/16/02	PATA	80	3.37	BDL	0.005	0.001	0.14	0.23	0.018	0.017	63	2.73	1.53	7.97	32	12	3.8	0.009
06/13/02	PATA	80	1.62	2720	0.001	0.001	N/A	0.18	0.011	0.012	64	3.47	N/A	8.1	36	7	2.9	0.0093
07/16/02	PATA	80	3.59	1440	0.001	0.001	0.25	0.15	0.011	0.009	67	3.81	1.29	8.09	42	10	N/A	0.0118
08/20/02	PATA	80	1.51	BDL	0.018	0.001	0.001	0.1	0.011	0.012	80	4.45	1.48	8.27	39	0	0	0.0042
02/13/02	EMCC	97	11.55	BDL	0.036	0.001	0.15	0.3	0.02	0.011	87	7.26	1.08	8.43	44	3	1.7	0.0083
06/13/02	EMCC	97	2.38	3040	0.001	0.001	N/A	0.21	0.022	0.014	70	3.71	1.51	8.44	38	11	4.9	0.0083
07/16/02	EMCC	97	4.03	3733	0.001	0.001	0.21	0.23	0.006	0.016	73	3.92	1.3	8.28	45	9	1.8	0.0108
08/20/02	EMCC	97	2.28	BDL	0.001	0.001	0.12	0.18	0.015	0.015	93	4.98	1.19	8.56	46	0	0	0.0078

Water quality data table 2

Date	Site	Distance from Tahoe (km)	Chl a in water (ug/l)	AFDW (ug/l)	NO3 (mg/L)	NH3 (mg/L)	SKN (mg/L)	TKN (mg/L)	OP (mg/L)	TP (mg/L)	TDS (mg/L)	Chloride (mg/L)	DOC (mg/L)	LAB pH	ALKALINITY (mg/L as CaCO3)	TSS (mg/L)	TURB (ntu)	Kpar (m-1)
01/10/02	LOCK	106	6.24	3800	0.16	N/A	0.21	0.31	0.036	0.076	186	27.6	3.14	8.53	77	3	6.1	0.0119
02/13/02	LOCK	106	20.05	2933	0.094	0.001	0.29	0.41	0.031	0.054	163	21.6	2.16	8.05	66	8	3.9	0.0086
03/11/02	LOCK	106	10.47	2533	0.112	0.001	0.21	0.32	0.022	0.055	156	21	2.19	8.27	63	3	4.7	0.0106
04/10/02	LOCK	106	8.81	3377	0.082	0.001	0.25	0.43	0.021	0.057	99	9.74	N/A	7.79	41	9	9.8	0.0242
05/16/02	LOCK	106	5.42	3867	0.01	0.001	0.13	0.16	0.021	0.044	87	7.03	1.89	7.96	38	23	5.3	0.0163
06/13/02	LOCK	106	2.51	2880	0.023	0.001	N/A	0.43	0.045	0.07	122	11.4	N/A	8.17	52	10	4.3	0.0106
07/16/02	LOCK	106	7.75	2533	0.001	0.001	0.36	0.51	0.039	0.086	139	13.6	2.37	8.2	69	12	3.4	0.0157
08/20/02	LOCK	106	6.40	3800	0.001	0.001	0.26	0.47	0.065	0.124	201	23.6	2.83	8.31	80	0	0	0.0111
01/10/02	PATR	115	6.05	4400	0.161	N/A	0.24	0.32	0.028	0.069	184	26.2	2.82	8.64	75	10	5.3	0.0168
02/13/02	PATR	115	20.21	4000	0.033	0.001	0.2	0.38	0.024	0.056	164	21.8	2.22	8.35	68	7	4	0.0122
03/11/02	PATR	115	11.77	5000	0.098	0.001	0.11	0.37	0.026	0.058	153	22.1	2.35	8.54	62	4	5.1	0.0074
04/10/02	PATR	115	4.13	5467	0.085	0.001	0.26	0.66	0.022	0.073	105	9.75	N/A	7.88	42	11	5.8	0.0248
05/16/02	PATR	115	4.94	3857	0.023	0.001	0.23	0.41	0.019	0.048	87	6.72	1.94	8.1	39	24	4.2	0.0151
06/13/02	PATR	115	1.36	2320	0.006	0.001	N/A	0.41	0.045	0.067	122	11.5	2.27	8.76	57	9	4.3	0.0103
08/20/02	PATR	115	6.88	3200	0.001	0.001	0.38	0.49	0.075	0.102	205	24.4	2.85	8.66	85	0	0	0.0142
01/10/02	TRAC	122	6.32	4600	0.187	N/A	0.13	0.49	0.038	0.081	194	26.1	2.92	8.78	78	7	7.5	0.0189
02/13/02	TRAC	122	11.07	4000	0.035	0.001	0.19	0.36	0.027	0.074	173	23.3	2.24	8.25	65	9	6.9	0.0139
03/11/02	TRAC	122	9.13	3200	0.128	0.001	0.21	0.39	0.017	0.056	158	21.5	2.4	8.52	64	5	5.3	0.0117
04/10/02	TRAC	122	2.98	4400	0.089	0.001	0.18	0.53	0.025	0.045	99	9.14	N/A	7.8	41	20	5.8	0.0236
05/16/02	TRAC	122	4.03	BDL	0.006	0.001	0.23	0.28	0.027	0.043	93	7.39	2.38	8.19	45	11	5.8	0.0142
06/13/02	TRAC	122	2.05	BDL	0.001	0.001	N/A	0.45	0.035	0.051	118	11.7	2.39	8.95	57	7	2.9	0.0122
07/16/02	TRAC	122	4.74	BDL	0.001	0.001	0.41	0.46	0.046	0.077	136	13.8	2.3	N/A	N/A	4	N/A	0.0093
08/20/02	TRAC	122	8.34	BDL	0.001	0.001	0.39	0.45	0.075	0.11	199	23.5	2.84	8.87	75	0	0	0.0114

Water quality data table 3

Date	Site	Distance from Tahoe (km)	Chl a in water (ug/l)	AFDW (ug/l)	NO3 (mg/L)	NH3 (mg/L)	SKN (mg/L)	TKN (mg/L)	OP (mg/L)	TP (mg/L)	TDS (mg/L)	Chloride (mg/L)	DOC (mg/L)	LAB pH	ALKALINITY (mg/L as CaCO3)	TSS (mg/L)	TURB (ntu)	Kpar (m-1)
02/13/02	PAIN	139	11.03	3467	0.001	0.001	0.26	0.3	0.023	0.058	175	23.6	2.24	8.82	73	4	2.7	0.0071
06/13/02	PAIN	139	1.25	2700	0.001	0.001	N/A	0.37	0.05	0.058	118	11.2	1.99	8.85	52	6	2.8	0.0072
07/16/02	PAIN	139	5.22	3067	0.001	0.001	0.42	0.54	0.054	0.089	150	14.7	2.34	N/A	N/A	40	N/A	0.0136
08/20/02	PAIN	139	2.55	3400	0.001	0.001	0.26	0.42	0.073	0.094	193	22.2	2.74	8.73	77	0	0	0.0112
01/10/02	JOHN	152	7.80	2800	0.061	N/A	0.13	0.29	0.02	0.055	179	23.3	2.48	8.88	78	11	4.1	0.0067
02/13/02	JOHN	152	16.14	2933	0.001	0.001	0.45	0.58	0.02	0.047	206	26.4	2.46	9.06	75	6	3.6	0.0082
04/10/02	JOHN	152	9.65	7200	0.063	0.001	0.19	0.67	0.013	0.086	112	10.8	N/A	7.99	49	37	15.5	0.0304
05/16/02	JOHN	152	8.26	4571	0.031	0.001	0.001	0.001	0.032	0.075	98	7.45	2.09	8.19	48	25	9.9	0.0205
06/13/02	JOHN	152	2.02	2600	0.001	0.001	N/A	0.27	0.031	0.043	121	11.4	2.19	8.81	52	4	2.4	0.0072
07/16/02	JOHN	152	6.13	2667	0.001	0.001	0.32	0.42	0.058	0.087	172	16.5	2.47	N/A	N/A	9	N/A	0.0098
08/20/02	JOHN	152	1.94	BDL	0.001	0.001	0.27	0.43	0.063	0.08	214	23.7	2.63	8.99	81	0	0	0.0079
02/14/02	DEAD	166	7.92	2533	0.001	0.001	0.39	0.47	0.016	0.044	261	46.8	2.31	8.26	85	N/A	3.5	0.0146
07/16/02	DEAD	166	1.49	2000	0.001	0.001	0.4	0.4	0.065	0.089	190	23.5	2.58	N/A	N/A	N/A	N/A	0.0095
08/20/02	DEAD	166	0.89	BDL	0.001	0.001	0.24	0.27	0.05	0.068	238	30.8	4.38	9.08	88	0	0	0.0109
02/14/02	LNIX	178	4.97	2800	0.001	0.001	0.15	0.3	0.01	0.039	333	83.3	3.22	8.19	84	N/A	2.5	0.004
03/13/02	LNIX	178	1.22	BDL	0.001	0.001	0.12	0.21	0.026	0.033	294	65.2	2.07	8.29	54	4	2	0.0087
04/10/02	LNIX	178	4.84	5200	0.006	0.001	0.23	0.54	0.019	0.051	137	17.6	N/A	8.05	54	35	12.6	0.0231
05/16/02	LNIX	178	8.18	5286	0.001	0.001	0.12	0.51	0.033	0.071	116	13.2	2.1	8.15	49	29	10.2	0.019
06/13/02	LNIX	178	0.82	2500	0.001	0.001	N/A	0.35	0.031	0.052	154	28.7	2.29	8.87	56	9	3	0.009
07/16/02	LNIX	178	1.56	BDL	0.001	0.001	0.41	0.89	0.07	0.091	224	45.7	2.59	N/A	N/A	26	N/A	0.0067
08/20/02	LNIX	178	1.70	BDL	0.001	0.001	0.25	0.3	0.052	0.071	288	52.4	2.73	9.13	89	0	0	0.0068

EPISSAMIC DATA TABLES

Epissamic data table 1

Date	Site	Transect	Unit	Distance from Tahoe (km)	Percentage of Transect covered by Unit	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm <sup>2</sup> )	AFDW (ug/cm <sup>2</sup> )
02/21/02	HERS	2	4	32	25	123	1.0	0.39	12.41	14033
03/19/02	HERS	2	4	32	25	122	1.0	0.61	13.76	16634
06/26/02	HERS	2	4	32	25	121	1.6	0.42	9.29	13542
08/19/02	HERS	2	4	32	25	122	1.0	0.39	10.58	13594
01/16/02	HERS	3	1	32	17	8	0.3	0.03	25.41	13507
02/21/02	HERS	3	1	32	17	4	0.3	0.03	11.57	7451
03/19/02	HERS	3	2	32	18	19	1.7	0.03	11.72	12252
11/26/01	FLEI	4	1	56	9	2	0.6	0.32	6.05	20463
12/19/01	FLEI	4	1	56	6	2	0.6	0.03	5.70	11661
01/14/02	FLEI	4	1	56	6	1	0.4	0.20	9.69	14730
02/15/02	FLEI	4	1	56	1	2	0.8	0.08	9.70	11762
03/21/02	FLEI	4	1	56	1	1	0.2	0.03	8.94	17434
04/11/02	PATA	2	0	80	10	-10	0.5	0.10	12.91	13106
05/03/02	PATA	2	0	80	9	-11	0.3	0.03	10.30	19704
11/06/01	PATA	3	1	80	2	2	0.3	0.03	5.94	8987
12/06/01	PATA	3	1	80	2	2	0.4	0.03	3.52	12150
01/04/02	PATA	3	1	80	2	2	0.6	0.03	6.09	9552
02/04/02	PATA	3	2	80	11	5.5	1.3	0.37	19.82	11843
03/04/02	PATA	3	1	80	11	2	0.4	0.03	11.34	9455
04/11/02	PATA	3	1	80	2	1	1.9	0.37	12.35	15953
05/03/02	PATA	3	1	80	2	2	1.6	0.22	4.55	358048
05/28/02	PATA	3	1	80	2	1	1.6	0.03	8.02	14115
06/17/02	PATA	3	1	80	2	1	0.7	0.15	6.59	14804
01/04/02	PATA	4	1	80	5	3	1.8	0.68	20.31	10766
02/04/02	PATA	4	1	80	5	2	0.8	0.34	16.24	10183
03/04/02	PATA	4	1	80	5	2	1.0	0.49	7.94	10999
04/11/02	PATA	4	0	80	4	-1	0.8	0.15	4.53	8460
05/03/02	PATA	4	0	80	3	-1	1.4	0.54	6.53	10565
05/28/02	PATA	4	0	80	3	-1	1.8	0.03	6.07	8435
06/17/02	PATA	4	1	80	5	1	0.6	0.46	3.72	9227
08/07/02	PATA	4	1	80	5	4	1.0	0.26		13297

Epissamic data table 2

Date	Site	Transect	Unit	Distance from Tahoe (km)	Percentage of Transect covered by Unit	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)
11/16/01	EMCC	2	1	97	11	3	0.2	0.03	10.61	62537
06/18/02	EMCC	2	0	97	5	-2	0.2	0.18	10.52	12075
11/16/01	EMCC	5	1	97	6	1	0.2	0.54	18.90	11852
02/05/02	EMCC	5	1	97	6	3	0.8	0.82	2.32	6508
06/17/02	EMCC	5	1	97	5	4	0.9	0.51	5.31	11114
08/12/02	EMCC	5	1	97	15	7	0.3	0.40	12.43	14709
11/07/01	LOCK	1	1	106	17	2	0.1	0.03	13.77	11311
12/07/01	LOCK	1	1	106	18	2	0.2	0.03	15.48	11354
01/07/02	LOCK	1	1	106	5	2	0.5	0.25	14.83	10989
01/06/02	LOCK	1	1	106	24	2	0.2	0.03	28.03	13723
03/05/02	LOCK	1	1	106	18	2	0.2	0.03	17.38	13661
04/11/02	LOCK	1	1	106	12	1	1.4	0.46	14.86	14616
05/03/02	LOCK	1	1	106	6	1	1.0	0.34	12.14	329565
05/28/02	LOCK	1	1	106	6	1	1.1	0.34	9.84	12449
06/18/02	LOCK	1	1	106	6	1	0.3	0.13	9.43	14510
01/06/02	LOCK	2	1	106	16	1	0.2	0.03	16.53	18039
03/05/02	LOCK	2	1	106	16	1	0.3	0.03	13.61	8122
04/12/02	LOCK	2	1	106	15	2	1.6	0.34	5.81	10581
05/03/02	LOCK	2	1	106	16	3	1.2	0.22	10.47	13087
05/28/02	LOCK	2	1	106	16	3	1.2	0.03	10.54	18465
06/18/02	LOCK	2	1	106	9	2	0.5	0.03	7.94	15686
01/07/02	LOCK	3	1	106	22	4	1.0	0.18	23.15	15305
01/06/02	LOCK	3	1	106	22	4	0.5	0.10	25.96	13611
03/05/02	LOCK	3	1	106	22	4	0.7	0.22	15.98	12290
04/12/02	LOCK	3	1	106	21	1	0.9	0.27	9.97	11201
05/03/02	LOCK	3	0	106	3	-2	0.7	0.32	10.37	13822
05/03/02	LOCK	3	1	106	21	3	1.5	0.51	8.34	11794
05/28/02	LOCK	3	1	106	21	14	1.8	1.35	7.98	10169
11/07/01	LOCK	5	1	106	3	2	0.4	0.03	17.50	8951
12/07/01	LOCK	5	1	106	3	2	0.3	0.03	17.33	12383
01/07/02	LOCK	5	1	106	3	2	0.6	0.27	20.38	9322
01/06/02	LOCK	5	1	106	3	2	0.4	0.34	13.13	16250
03/04/02	LOCK	5	1	106	4	2	0.4	0.13	18.82	9882
04/11/02	LOCK	5	1	106	4	1	1.3	0.10	21.14	10571
05/06/02	LOCK	5	1	106	3	-1	0.8	0.18	14.75	12572
08/12/02	LOCK	5	1	106	4	7	0.1	0.00	21.17	8531

Epissamic data table 3

Date	Site	Transect	Unit	Distance from Tahoe (km)	Percentage of Transect covered by Unit	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)
04/12/02	PATR	1	0	115	3	-2	0.5	0.73	1.93	11601
12/11/01	PATR	2	2	115	22	17	0.6	0.61	12.18	10349
01/07/02	PATR	4	1	115	10	2	0.8	0.03	4.10	10863
02/06/02	PATR	4	1	115	10	1	0.2	0.03	9.83	11412
03/05/02	PATR	4	1	115	10	2	0.5	0.03	14.58	10189
05/06/02	PATR	4	1	115	9	2	1.4	0.18	16.70	10595
05/28/02	PATR	4	1	115	7	3	1.2	-0.30	10.40	12134
12/11/01	PATR	5	1	115	7	3	0.5	0.03	9.27	13753
05/06/02	PATR	5	0	115	6	-4	1.0	0.03	10.62	10194
11/14/01	PAIN	2	1	139	15	2	0.2	0.03	40.86	56635
02/08/02	PAIN	2	0	139	6	-3	0.6	0.03	20.80	15499
06/19/02	PAIN	2	0	139	6	-2	0.5	0.32	5.85	10067
02/08/02	PAIN	3	0	139	6	-3	0.2	0.03	37.02	11792
06/20/02	PAIN	3	0	139	3	-1	0.3	0.03	14.52	10869
05/07/02	JOHN	2	0	152	26	-26	0.4	0.39	18.71	10078
05/30/02	JOHN	2	0	152	41	-26	0.3	0.03		16605
11/08/01	JOHN	4	2	152	60	14	0.4	0.03	19.35	9693
12/18/01	JOHN	4	1	152	8	7	0.7	0.03	25.74	12060
12/18/01	JOHN	4	2	152	58	20	0.6	0.03	16.12	7917
01/09/02	JOHN	4	1	152	8	7	1.8	0.15	29.50	10650
02/11/02	JOHN	4	1	152	9	7	0.8	0.03	17.93	8644
02/11/02	JOHN	4	2	152	60	29	1.1	0.27	13.01	9959
03/20/02	JOHN	4	1	152	9	7	0.5	0.03	26.73	9303
03/20/02	JOHN	4	2	152	60	31	1.0	0.22	24.17	9530
04/15/02	JOHN	4	1	152	8	2	2.0	0.08	27.92	9609
06/21/02	JOHN	4	1	152	8	8	1.3	0.03	9.58	412028
08/14/02	JOHN	4	1	152	9	4	1.0	0.05	17.13	10889
08/14/02	JOHN	4	2	152	60	18	0.9	0.29	13.09	11775
02/11/02	JOHN	5	1	152	5	2	0.7	0.03	21.29	16671
03/20/02	JOHN	5	2	152	22	9	1.9	0.03	31.89	9334

Epissamic data table 4

Date	Site	Transect	Unit	Distance from Tahoe (km)	Percentage of Transect covered by Unit	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Chl a (ug/cm2)	AFDW (ug/cm2)
11/13/01	DEAD	1	1	166	4	2	0.2	0.03	4.01	6661
02/12/02	DEAD	1	1	166	4	2	0.2	0.03	28.01	12437
06/24/02	DEAD	1	1	166	4	2	0.6	0.03	37.53	210312
08/15/02	DEAD	1	1	166	4	3	0.4	0.00	19.16	11561
02/12/02	DEAD	2	1	166	26	6	0.3	0.03	26.24	13560
06/24/02	DEAD	2	1	166	26	2	1.2	0.03	30.74	11405
08/15/02	DEAD	2	1	166	26	3	1.2	0.00	35.32	10321
11/13/01	DEAD	3	1	166	30	2	0.1	0.03	21.15	9580
12/17/01	LNIX	1	1	178	11	1	0.2	0.03	5.83	13930
01/11/02	LNIX	1	0	178	36	-1	0.8	0.39	10.56	10639
01/11/02	LNIX	1	1	178	10	4	2.1	0.70	15.73	8999
02/14/02	LNIX	1	1	178	11	1	0.3	0.03	12.26	14213
03/13/02	LNIX	1	1	178	11	3	0.8	0.03	16.89	8899
04/16/02	LNIX	1	1	178	9	2	1.6	0.03	6.34	8446
05/08/02	LNIX	1	0	178	15	-9	0.8	0.03	8.22	17859
05/08/02	LNIX	1	1	178	9	1	2.0	1.02	27.18	9065
05/30/02	LNIX	1	0	178	14	-5	0.5	0.03		9163
06/25/02	LNIX	1	1	178	11	1	0.4	0.27	6.49	9779
11/13/01	LNIX	6	1	178	7	1	0.1	0.03	14.18	45037
12/17/01	LNIX	6	2	178	28	11	0.7	0.03	15.57	10362
01/11/02	LNIX	6	1	178	8	4	1.1	0.03	8.45	4420
03/13/02	LNIX	6	1	178	14	8	0.5	0.03	25.06	9903
05/08/02	LNIX	6	0	178	23	-32	1.3	0.44	20.54	9530
05/30/02	LNIX	6	0	178	23	-28	1.0	0.03		10002
08/16/02	LNIX	6	1	178	7	7	0.3	0.00	25.62	9141
01/11/02	LNIX	8	0	178	13	-94	0.5	0.03	20.07	9388
04/16/02	LNIX	8	0	178	15	9	0.5	0.42	4.91	15617
05/08/02	LNIX	8	0	178	15	-91	0.5	0.39	7.99	9989
05/30/02	LNIX	8	0	178	14	-93	0.5	0.03		10966

## MACROPHYTE DATA TABLES

Macrophyte data table 1

Date	Site	Transect	Unit	Distance from Tahoe (km)	Percentage of Transect covered by Unit	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Percent MP Coverage In Unit	AFDW (ug/cm <sup>2</sup> )
01/16/02	HERS	2	4	32	25	117	1.4	0.34	50	53624
02/21/02	HERS	2	4	32	25	116	2.0	0.46	15	30250
06/26/02	HERS	2	4	32	25	116	2.2	0.54	30	17829
08/19/02	HERS	2	4	32	25	115	2.1	0.09	0	42858
11/26/01	FLEI	4	1	56	9	8	0.6	0.32	75	43024
12/19/01	FLEI	4	1	56	6	7	0.5	0.80	75	38489
01/14/02	FLEI	4	1	56	6	7	0.3	0.63	75	79943
02/15/02	FLEI	4	1	56	6	6	0.5	0.97	75	64456
11/26/01	FLEI	4	2	56	12	18	0.9	0.99	50	60392
12/19/01	FLEI	4	2	56	15	18	1.1	0.94	50	60210
01/14/02	FLEI	4	2	56	15	16	0.6	0.87	60	103655
02/15/02	FLEI	4	2	56	15	14	1.2	1.14	40	29692
11/06/01	PATA	3	2	80	11	7	1.6	0.66	90	39515
01/04/02	PATA	3	2	80	11	10	2.0	0.63	70	35380
02/04/02	PATA	3	2	80	11	14	2.1	0.75	5	7216
08/07/02	PATA	3	2	80	11	16	1.2	0.13	40	22915
11/06/01	PATA	4	1	80	12	9	1.1	0.70	85	75692
12/06/01	PATA	4	2	80	88	4	1.5	0.61	20	BDL
01/04/02	PATA	4	2	80	5	3	1.8	0.68	40	42435
11/06/01	PATA	6	1	80	5	4	0.8	0.20	80	21068
11/16/01	EMCC	5	2	97	15	15	1.7	1.04	30	238943

Macrophyte data table 2

Date	Site	Transect	Unit	Distance from Tahoe (km)	Percentage of Transect covered by Unit	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Percent MP Coverage In Unit	AFDW (ug/cm2)
11/07/01	LOCK	2	1	106	16	5	0.7	0.03	95	39100
12/07/01	LOCK	2	1	106	16	9	1.0	0.03	70	20628
01/07/02	LOCK	2	1	106	16	3	0.9	0.03	60	30775
02/06/02	LOCK	2	1	106	16	10	0.9	0.03	80	13367
08/09/02	LOCK	2	1	106	16	8	0.7	0.00	80	10762
11/07/01	LOCK	2	2	106	26	24	1.5	0.15	99	264426
12/07/01	LOCK	2	2	106	24	21	1.5	0.37	95	41857
01/07/02	LOCK	2	2	106	24	22	1.9	1.09	80	BDL
02/06/02	LOCK	2	2	106	24	25	1.4	0.56	95	22125
03/05/02	LOCK	2	2	106	24	23	1.7	0.92	85	8314
08/09/02	LOCK	2	2	106	25	21	1.3	0.07	30	19157
11/07/01	LOCK	3	1	106	13	7	0.7	0.03	90	9698
12/07/01	LOCK	3	1	106	22	8	0.6	0.20	40	12162
02/06/02	LOCK	3	1	106	21	29	1.3	0.94	80	28725
06/18/02	LOCK	3	1	106	22	15	1.0	0.54	50	103633
08/09/02	LOCK	3	1	106	22	11	0.3	0.00	99	26124
11/07/01	LOCK	3	2	106	26	24	1.0	0.49	99	52446
12/07/01	LOCK	3	2	106	21	27	1.3	0.85	60	20131
01/07/02	LOCK	3	2	106	21	25	1.5	1.06	60	14333
03/05/02	LOCK	3	2	106	21	24	1.3	1.02	70	18491
06/18/02	LOCK	3	2	106	21	29	1.6	0.90	70	45082
08/09/02	LOCK	3	2	106	21	29	1.0	0.03	80	22259
11/07/01	LOCK	4	1	106	9	10	0.4	0.03	95	46505
06/18/02	LOCK	4	1	106	5	6	0.6	0.03	40	76103
06/18/02	LOCK	5	1	106	4	4	0.8	0.25	30	18169
11/07/01	LOCK	5	2	106	10	9	0.7	2.70	40	186338
12/07/01	LOCK	5	2	106	13	11	0.9	3.10	19	BDL
01/07/02	LOCK	5	2	106	13	10	1.1	3.70	30	19654
02/06/02	LOCK	5	2	106	13	9	0.7	3.25	30	7925
06/18/02	LOCK	5	2	106	12	8	1.2	3.08	40	13295
08/12/02	LOCK	5	2	106	13	9	0.4	0.52	80	36923
08/12/02	LOCK	5	3	106	31	44	0.3	0.00	80	7964
11/07/01	LOCK	5	4	106	28	92	0.8	2.62	10	14622
12/07/01	LOCK	5	4	106	25	93	1.3	2.38	20	25162
06/18/02	LOCK	5	4	106	20	90	1.5	2.58	30	18742
08/12/02	LOCK	5	4	106	20	85	1.0	1.24	80	40574
08/12/02	LOCK	5	5	106	27	114	1.9	2.96	20	7682

Macrophyte data table 3

Date	Site	Transect	Unit	Distance from Tahoe (km)	Percentage of Transect covered by Unit	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Percent MP Coverage In Unit	AFDW (ug/cm2)
11/19/01	PATR	1	2	115	7	7	1.0	1.16	90	45135
12/11/01	PATR	1	2	115	7	10	0.8	1.35	10	BDL
08/09/02	PATR	1	2	115	7	8	0.9	0.68	20	10505
11/19/01	PATR	1	3	115	16	20	1.1	1.02	30	53663
12/11/01	PATR	1	3	115	16	20	0.5	1.42	10	16779
08/09/02	PATR	1	3	115	16	23	0.9	0.77	70	10019
11/19/01	PATR	2	1	115	7	5	0.3	0.03	100	39387
12/11/01	PATR	2	1	115	7	7	0.6	0.03	90	BDL
02/06/02	PATR	2	1	115	7	7	0.7	0.42	95	20516
03/05/02	PATR	2	1	115	7	6	0.5	0.66	85	16559
04/12/02	PATR	2	1	115	7	7	2.0	1.59	60	22771
11/19/01	PATR	2	2	115	18	15	1.2	0.03	100	14009
12/11/01	PATR	2	2	115	18	23	0.8	0.61	50	BDL
01/07/02	PATR	2	2	115	18	9	1.1	0.68	90	47077
01/07/02	PATR	2	2	115	18	24	1.6	1.11	50	15387
02/06/02	PATR	2	2	115	18	34	2.2	1.04	40	17683
03/05/02	PATR	2	2	115	18	26	1.3	1.23	15	17299
08/09/02	PATR	2	2	115	19	26	1.2	0.20	15	6305
11/19/01	PATR	4	1	115	10	4	0.8	0.03	80	33341
12/11/01	PATR	4	1	115	10	4	0.6	0.03	60	28457
01/07/02	PATR	4	1	115	10	4	1.1	0.03	50	26739
02/06/02	PATR	4	1	115	10	4	0.9	0.03	50	22728
03/05/02	PATR	4	1	115	10	3	0.7	0.03	40	14462
08/09/02	PATR	4	1	115	10	1	0.6	0.00	70	31159
05/29/02	PATR	5	0	115	9	-3	0.7	0.03	60	11604
11/19/01	PATR	5	1	115	7	3	0.7	0.03	80	23432
12/11/01	PATR	5	1	115	7	3	0.5	0.03	80	37313
01/07/02	PATR	5	1	115	8	5	1.3	0.03	50	25860
02/06/02	PATR	5	1	115	8	6	0.7	0.03	60	25233
03/05/02	PATR	5	1	115	8	4	0.6	0.03	60	21969
08/09/02	PATR	5	1	115	9	3	0.5	0.00	95	39930
08/09/02	PATR	5	2	115	8	9	1.1	0.00	90	48846

Macrophyte data table 4

Date	Site	Transect	Unit	Distance from Tahoe (km)	Percentage of Transect covered by Unit	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Percent MP Coverage In Unit	AFDW (ug/cm2)
11/15/01	TRAC	1	1	122	5	2	0.5	0.03	50	18846
12/13/01	TRAC	1	1	122	5	4	0.7	0.03	60	10344
01/08/02	TRAC	1	1	122	5	3	0.9	0.90	70	14152
03/06/02	TRAC	1	1	122	5	7	1.9	1.11	60	11673
06/19/02	TRAC	1	1	122	5	5	1.6	0.51	60	9537
11/15/01	TRAC	2	1	122	14	6	0.2	0.03	60	14402
12/13/01	TRAC	2	1	122	14	9	0.5	0.32	70	13047
06/19/02	TRAC	2	1	122	13	10	0.5	0.49	90	7088
11/15/01	TRAC	2	2	122	15	22	1.6	1.47	30	30382
12/13/01	TRAC	2	2	122	15	21	1.3	1.54	60	25638
01/08/02	TRAC	2	2	122	15	21	1.9	1.83	60	48975
03/06/02	TRAC	2	2	122	14	20	1.8	1.66	25	52933
05/29/02	TRAC	2	2	122	12	19	1.6	1.42	50	14813
06/19/02	TRAC	2	2	122	14	22	1.3	0.25	90	10028
08/13/02	TRAC	2	2	122	16	23	1.0	0.73	15	8899
11/15/01	TRAC	3	1	122	10	4	0.4	0.03	80	19806
12/13/01	TRAC	3	1	122	10	6	0.7	0.03	75	27450
01/08/02	TRAC	3	1	122	9	3	0.7	0.56	80	33699
02/07/02	TRAC	3	1	122	10	7	0.5	0.03	70	21978
03/06/02	TRAC	3	1	122	10	6	0.9	0.70	50	26521
11/15/01	TRAC	3	2	122	11	14	0.9	0.03	100	41762
11/15/01	TRAC	3	2	122	11	4	0.4	0.03	100	31942
12/13/01	TRAC	3	2	122	15	13	1.4	0.44	90	20261
01/08/02	TRAC	3	2	122	14	14	1.8	1.16	95	BDL
02/07/02	TRAC	3	2	122	15	20	1.5	0.97	98	39933
03/06/02	TRAC	3	2	122	14	14	1.7	0.99	90	13436
06/19/02	TRAC	3	2	122	7	12	1.5	0.03	80	67880
08/13/02	TRAC	3	2	122	16	10	0.5	0.02	100	30450
04/15/02	TRAC	4	0	122	15	-8	1.5	2.26	30	2887
11/15/01	TRAC	4	1	122	4	2	0.3	0.03	70	6578
12/13/01	TRAC	4	1	122	4	4	0.5	-0.42	70	28762
01/08/02	TRAC	4	1	122	4	2	0.5	0.18	50	3628
06/19/02	TRAC	4	1	122	3	2	0.8	1.09	20	4132

Macrophyte data table 5

Date	Site	Transect	Unit	Distance from Tahoe (km)	Percentage of Transect covered by Unit	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Percent MP Coverage In Unit	AFDW (ug/cm2)
12/13/01	TRAC	5	2	122	9	203	1.0	2.79	30	16111
11/15/01	TRAC	5	3	122	11	26	0.3	0.03	40	23097
01/08/02	TRAC	5	3	122	11	146	0.6	1.57	20	22307
08/13/02	TRAC	5	3	122	22	152	0.2	0.00	70	9035
08/13/02	TRAC	5	3	122	22	174	0.3	0.13	70	12803
11/15/01	TRAC	5	4	122	8	132	0.3	0.03	95	19825
12/13/01	TRAC	5	4	122	8	153	0.5	0.03	0	21232
01/08/02	TRAC	5	4	122	8	131	0.5	0.44	65	25471
02/07/02	TRAC	5	4	122	8	5	0.2	0.03	60	8024
03/06/02	TRAC	5	4	122	8	5	0.4	0.56	60	11300
08/13/02	TRAC	5	4	122	14	142	0.3	0.00	98	19682
11/14/01	PAIN	3	1	139	22	8	1.5	0.54	40	13488
06/20/02	PAIN	3	1	139	20	6	1.7	0.66	65	20719
11/14/01	PAIN	4	2	139	29	11	1.3	0.03	80	24201
08/14/02	JOHN	1	2	152	47	7	0.4	1.06	30	15627
08/14/02	JOHN	1	2	152	47	35	1.2	3.01	30	29394
11/08/01	JOHN	2	2	152	70	15	1.3	0.87	64	8365
11/08/01	JOHN	4	1	152	9	3	0.7	0.03	60	16323
08/14/02	JOHN	4	1	152	9	8	1.1	0.01	50	38376
11/08/01	JOHN	4	2	152	60	53	1.5	0.30	100	10473
12/18/01	JOHN	4	2	152	58	57	1.5	0.37	70	5385
02/11/02	JOHN	4	2	152	60	50	1.6	0.27	40	6005
03/20/02	JOHN	4	2	152	60	54	1.5	0.37	30	14029
06/21/02	JOHN	4	2	152	59	53	2.1	0.03	40	21563
08/14/02	JOHN	4	2	152	60	49	1.9	0.56	30	14625
03/20/02	JOHN	4	3	152	31	80	2.1	0.44	90	16990
11/08/01	JOHN	5	2	152	20	12	1.8	0.03	90	40001
12/18/01	JOHN	5	2	152	21	11	2.0	0.03	70	30382
12/18/01	JOHN	5	3	152	37	41	2.0	0.92	60	20249
08/14/02	JOHN	5	3	152	37	41	2.4	0.70	50	18662
08/14/02	JOHN	5	4	152	23	60	0.8	0.00	20	5408
11/08/01	JOHN	6	1	152	6	3	0.2	0.03	50	41176
08/14/02	JOHN	6	4	152	39	55	0.6	1.64	30	3722

Macrophyte data table 6

Date	Site	Transect	Unit	Distance from Tahoe (km)	Percentage of Transect covered by Unit	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Percent MP Coverage In Unit	AFDW (ug/cm2)
11/13/01	DEAD	1	2	166	19	9	1.6	0.03	90	24600
02/12/02	DEAD	1	2	166	19	16	1.0	0.03	80	10841
08/15/02	DEAD	1	2	166	11	12	1.7	0.00	85	42609
08/15/02	DEAD	1	4	166	10	98	2.2	0.00	100	6682
11/13/01	DEAD	2	1	166	0	12	1.5	0.03	85	16752
08/15/02	DEAD	2	3	166	9	105	1.5	0.00	100	11558
08/15/02	DEAD	2	3	166	9	105	1.5	0.00	100	6462
08/15/02	DEAD	3	1	166	27	9	2.2	0.00	80	14510
08/15/02	DEAD	3	3	166	17	57	1.5	0.00	100	13226
06/24/02	DEAD	4	1	166	6	5	0.8	0.66	70	1871
08/15/02	DEAD	4	1	166	6	5	0.7	0.42	50	11514
06/24/02	DEAD	4	2	166	28	12	1.6	0.99	70	14285
06/24/02	DEAD	5	1	166	5	2	1.0	1.50	50	5355
08/15/02	DEAD	5	1	166	5	4	0.6	0.68	40	4447
11/09/01	DEAD	5	2	166	23	18	0.8	0.03	85	27067
06/24/02	DEAD	5	2	166	20	20	0.7	1.47	50	15312
06/24/02	DEAD	5	4	166	23	78	1.4	1.11	50	19672
08/15/02	DEAD	5	4	166	25	76	1.4	0.40	40	19255
11/09/01	DEAD	5	5	166	10	89	0.7	0.03	90	13319
06/24/02	DEAD	6	1	166	5	4	1.4	1.06	90	32102
08/15/02	DEAD	6	1	166	5	3	1.2	0.06	30	8219
11/09/01	DEAD	6	2	166	19	24	0.9	1.62	25	41337
08/15/02	DEAD	6	2	166	19	15	1.2	0.11	50	3941
08/15/02	DEAD	6	3	166	8	46	0.2	0.00	80	9488
11/09/01	DEAD	6	6	166	4	120	0.5	0.03	100	12994
02/12/02	DEAD	6	6	166	4	122	0.5	0.03	30	2848
08/15/02	DEAD	6	6	166	4	122	0.8	0.00	95	21856
11/09/01	DEAD	6	7	166	15	134	1.5	0.90	40	42611
06/24/02	DEAD	6	7	166	4	132	1.4	0.20	20	14250
08/15/02	DEAD	6	7	166	13	134	1.9	1.48	30	9539

Macrophyte Data Table 7

Date	Site	Transect	Unit	Distance from Tahoe (km)	Percentage of Transect covered by Unit	Horizontal Dist. to Sample (feet)	Depth at Sample Location (feet)	Velocity (feet per second)	Percent MP Coverage In Unit	AFDW (ug/cm2)
11/13/01	LNIX	1	1	178	11	4	0.9	0.03	90	33156
12/17/01	LNIX	1	1	178	11	4	1.0	0.10	40	17882
01/11/02	LNIX	1	1	178	10	8	2.6	0.85	70	17405
02/14/02	LNIX	1	1	178	11	5	0.9	0.20	20	2843
05/30/02	LNIX	1	1	178	9	1	1.9	0.99	20	19669
06/25/02	LNIX	1	1	178	11	5	1.3	0.46	80	9894
08/16/02	LNIX	1	1	178	9	6	0.9	0.20	95	16880
11/13/01	LNIX	1	2	178	31	16	1.9	0.15	98	26459
12/17/01	LNIX	1	2	178	31	12	1.9	0.03	70	4048
02/14/02	LNIX	1	2	178	31	17	1.7	0.27	0	4924
03/13/02	LNIX	1	2	178	31	13	0.7	0.03	80	3494
06/25/02	LNIX	1	2	178	31	17	1.9	0.51	80	24992
08/16/02	LNIX	1	2	178	32	13	1.7	0.05	95	45448
08/16/02	LNIX	1	2	178	32	26	1.1	0.04	95	21141
11/13/01	LNIX	4	1	178	16	14	1.0	0.03	0	28359
08/16/02	LNIX	4	5	178	14	121	2.1	0.32	15	25648
11/13/01	LNIX	6	2	178	20	18	1.6	0.03	70	25912
12/17/01	LNIX	6	2	178	28	26	2.2	0.03	44	18435
08/16/02	LNIX	6	2	178	32	27	1.2	0.00	40	51190
11/13/01	LNIX	8	4	178	27	69	0.7	0.03	40	29948

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