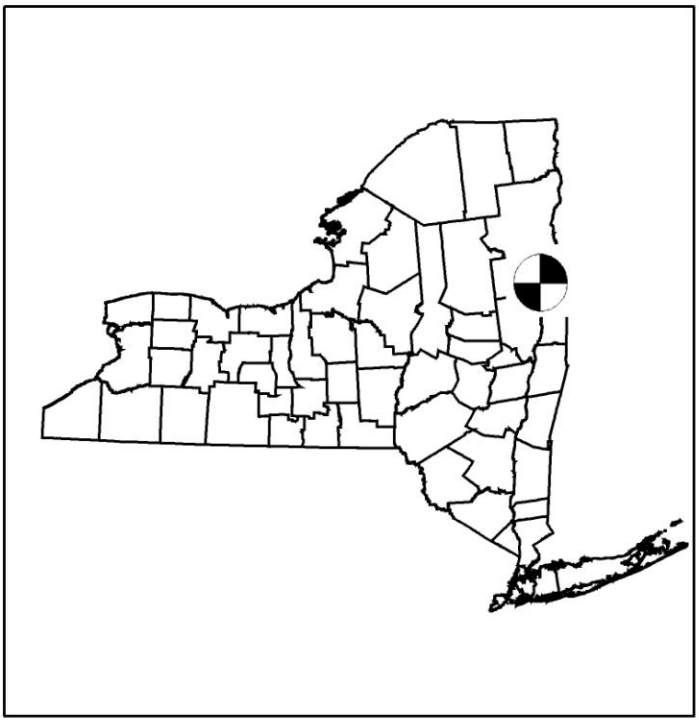
New York State Department of Environmental Conservation

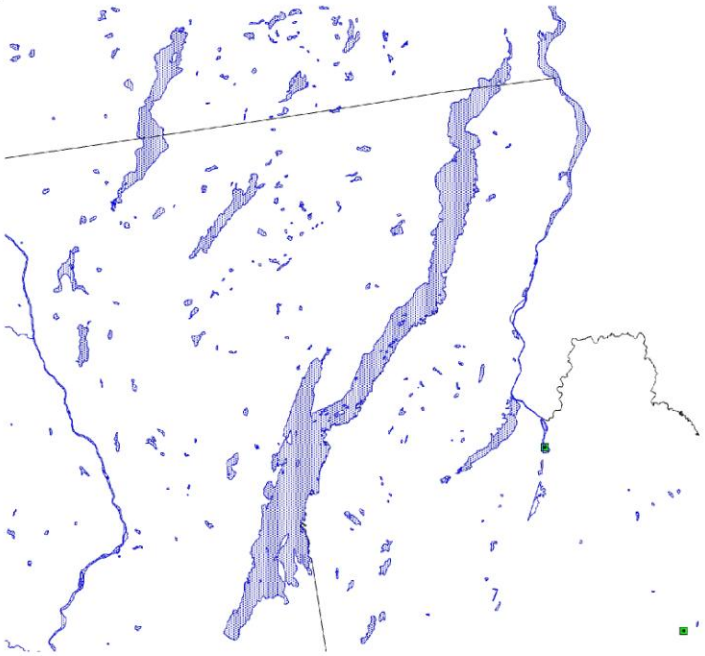
Division of Water

New York
Citizens Statewide Lake Assessment Program
(CSLAP)

2007 Abridged Annual Report- Lake George

April, 2008





New York State Department of Environmental Conservation

2007 INTERPRETIVE SUMMARY
ADBRIDGED REPORT

NEW YORK
CITIZENS STATEWIDE
LAKE ASSESSMENT PROGRAM
(CSLAP)

LAKE GEORGE

Scott A. Kishbaugh, PE

NYS Department of Environmental Conservation
NY Federation of Lake Associations

April, 2008

BACKGROUND AND ACKNOWLEDGMENT

The Citizens Statewide Lake Assessment Program (CSLAP) is a volunteer lake monitoring program conducted by the NYS Department of Environmental Conservation (NYSDEC) and the NYS Federation of Lake Associations (FOLA). Founded in 1986 with 25 pilot lakes, the program has involved more than 200 lakes, ponds, and reservoirs and 1000 volunteers from eastern Long Island to the northern Adirondacks to the western-most lake in New York, and from 10-acre ponds to several Finger Lakes, Lake Ontario, Lake George, and lakes within state parks. In this program, lay volunteers trained by the NYSDEC and FOLA collect water samples, observations, and perception data every other week in a 15 week interval between May and October. Water samples are analyzed by certified laboratories. Analytical results are interpreted by the NYSDEC and FOLA and utilized for a variety of purposes by the State of New York, local governments, researchers, and, most importantly, participating lake associations. This report summarizes the 2007 sampling results for **Lake George**.

Lake George is a 28,200 acre, class $AA_{special}$ lake found in multiple towns in Warren, Washington, and Essex Counties, in the southeastern portion of the Adirondack Park region of New York State. It was first sampled as part of CSLAP in 2004. The following volunteers have participated in CSLAP, and deserve most of the credit for the success of this program at Lake George: John Vice, Eric Krantz, Joanne and Mark Mueller, Julie Nathanson, Susan and Roger Wilson, Donald and Leslie Russell, William Gehring, Chris and Rick Kudlac, Bruce Ashby, Nick and Vincent Scalia, Kelly Fuchs, Barry Leeds, Helene Wilkening, Marybeth, Jerry, Gerald and Matthew Hadeka, Cathy and John LaBombard, David Sanche-Navarro, Marybeth Jerry, Elizabeth Fair, Anne Green, Catherine Aiken, Peter Gaddy, Peter Leyh, Marie Faulkner, Martin Spohl, John Zawalich, and Richard and Deborah Gasser **.**

In addition, the authors wish to acknowledge the following individuals, without whom this project and report would never have been completed:

From the Department of Environmental Conservation, Dick Draper, and Margaret Novak for supporting CSLAP in the last several years; Jay Bloomfield and James Sutherland, for their work in developing and implementing the program, and the technical staff from the Lake Services Section and the Statewide Water Monitoring Section, for continued technical review of program design.

From the Federation of Lake Associations, Anne Saltman, Dr. John Colgan, Don Keppel, Nancy Mueller and the Board of Directors, for their continued strong support of CSLAP.

The New York State Department of Health (prior to 2002) and Upstate Freshwater Institute (since 2002), particularly Steve Effler, MaryGail Perkins, and Elizabeth Miller provided laboratory materials and all analytical services, reviewed the raw data, and implemented the quality assurance/quality control program.

Finally, but most importantly, the authors would like to thank the more than 1,500 volunteers who have made CSLAP a model for lay monitoring programs throughout the country and the recipient of a national environmental achievement award. Their time and effort have served to greatly expand the efforts of the state and the public to protect and enhance the magnificent water resources of New York State.

ABRIDGED SUMMARY- LAKE GEORGE 2007

1. **Were there any significant differences in the lake eutrophication indicators (water clarity, phosphorus, chlorophyll *a*) in 2007 compared to the typical CSLAP sampling season?**

Response: The productivity in Lake George was comparable in 2007 to the productivity measured in previous years, although some slightly variability has occurred in some sites. These data continue to suggest very highly favorable water quality conditions.

2. **Were there any significant differences in the other lake water quality indicators (pH, conductivity, color, nitrogen, calcium) in 2007 compared to the typical CSLAP sampling season?**

Response: pH readings have increased slightly in the last few years. Calcium levels have decreased over the same period, although it is not likely that these phenomena are related or even indicative of any longer-term changes in the lake. The other non-trophic indicators were within the normal range for the lake in 2007. Lake George continued to exhibit characteristics typical of weakly colored lakes with soft water, low nitrogen levels, and circumneutral (near neutral pH) conditions. Several portions of the lake appear to be susceptible to zebra mussel infestations, based on calcium levels in the lake.

3. **Were there any significant differences in the lake perception indicators (water quality, aquatic plants, recreation) in 2007 compared to the typical CSLAP sampling season?**

Response: Recreational assessments have been consistently favorable in Lake George, befitting a lake with high water clarity, low algae levels, and aquatic plants that only rarely grow to the lake surface in most parts of the lake. Plant coverage is higher at the Lake George Village and Hearts Bay sites, although this probably does not represent regional patterns, and it is likely that surface aquatic plant growth and problems with invasive weeds are associated with different parts of the lake.

4. **Are there any long term trends in any of the water quality or lake perception indicators, and can these trends be tied to weather patterns or lake management activities?**

Response With only four years of water quality and perception data, long-term trends cannot be easily evaluated. The slight rise in pH and decrease in calcium should continue to be watched, although it is not likely that the patterns observed in any of these sites represent real trends.

ABRIDGED SUMMARY- LAKE GEORGE 2007 (cont)

5. Did any of the data or information collected through CSLAP in 2007 indicate any differences from the PWL (Priority Waterbody List) evaluation for the lake provided in the 2006 CSLAP report (available at www.nysfola.org)?

Response: The 2000 NYSDEC Priority Waterbody Listings (PWL) for the Lake Champlain drainage basin indicate that, in Lake George, *recreation* and *aquatic life habitat* are *impaired*, *public bathing* and *aesthetics* are *stressed*, and *water supply* is threatened. The CSLAP datasets have only limited utility in evaluating these PWL listings, though only at Site 1 does there appear to be any indication of use impairments, and the more likely assessment at this site would be *stressed*. The 2007 data do not indicate any water quality and recreational assessments.

6. Were any aquatic plant collections conducted in 2007, and if so, what plants were identified?

Response: Aquatic plants have been not collected and submitted for identification through CSLAP.

7. Is there any other information the Lake George community should be made aware of, based on the 2007 CSLAP data?

Response: Long-term trend analyses and evaluation of lakewide or regional patterns are more likely with consistent sampling (year to year and biweekly within each sampling season) at the sites identified in 2006. This sampling should continue into the future.

NEW YORK STATE, CSLAP AND LAKE GEORGE WATER-QUALITY DATA: 1986-2006

Overall Summary:

Although water-quality conditions at each CSLAP lake have varied each year since 1986, and although detailed statistical analyses of the entire CSLAP dataset has not yet been conducted, general water-quality trends can be evaluated after 5-21 years' worth of CSLAP data from these lakes. Overall (regional and statewide) water-quality conditions and trends can be evaluated by a variety of different means. Each of the tested parameters ("analytes") can be evaluated by looking at how the analyte varies from year to year from the long-term average ("normal") condition for each lake, and by comparing these parameters across a variety of categories, such as across regions of the state, across seasons (or months within a few seasons), and across designated best uses for these lakes. Such evaluations are provided in the second part of this summary, via figures 7 through 17. The annual variability is expressed as the difference in the annual average (mean) from both the long-term average and the normal variability expected from this long-term average. The latter can be presented as the "standard error" (SE, calculated here within the 95% confidence interval)—one standard error away from the long-term average can be considered a "moderate" change from "normal," with a deviation of two or more standard errors considered to be a "significant" change. For each of these parameters, the percentage of lakes with annual data falling within one standard error from the long-term average are considered to exhibit "no change," with the percentage of lakes demonstrating moderate to significant changes also displayed on these graphs (figures 7a through 17a). Annual changes in these lakes can also be evaluated by standard linear regressions- annual means over time, with moderate correlation defined as $R^2 > 0.33$, and significant correlation defined as $R^2 > 0.5$. These methods are described in greater detail in Appendix D. Assessments of weather patterns—whether a given year was wetter or drier than usual—accounts for broad statewide patterns, not weather conditions at any particular CSLAP lake. As such, weather may have very different impacts at some (but not most) CSLAP lakes in some of these years.

Long-term trends can also be evaluated by looking at the summary findings of individual lakes and attempting to extrapolate consistent findings to the rest of the lakes. Given the (non-Gaussian) distribution of many of the water-quality parameters evaluated in this report, non-parametric tools may be the most effective means for assessing the presence of a water-quality trend. However, these tools do not indicate the magnitude of the trend. As such, a combination of parametric and non-parametric tools is employed here to evaluate trends. The Kendall tau ranking coefficient has been utilized by several researchers and state water-quality agencies to evaluate water-quality trends via non-parametric analyses and is utilized here. For parametric analyses, best-fit analysis of summer (June 15 through September 15) averages for each of the eutrophication indicators can be evaluated, with trends attributable to instances in which deviations in annual means exceed the deviations found in the calculation of any single annual mean. "Moderate" change is defined as $\tau > 0.33$, and "significant" change is defined as $\tau > 0.5$. It has been demonstrated in many of these programs that long-term trend analyses cannot be utilized to evaluate lake datasets until at least five years' worth of data have been collected.

As of 2007, there were 157 CSLAP lakes that have been sampled for at least five years; of these, 113 were sampled within the last five years. The change in these lakes is demonstrated in figures 7 and 8; figures 7a through 7l indicate "moderate" long-term change, while figures 8a through 8l indicate "significant" long-term change**.** When these lakes are analyzed by this combination of parametric and non-parametric analyses, these data suggest that while most NYS lakes have not demonstrated a significant change (either τ or $R^2 > 0.5$) or even a moderate changes (τ or $R^2 > 0.33$).

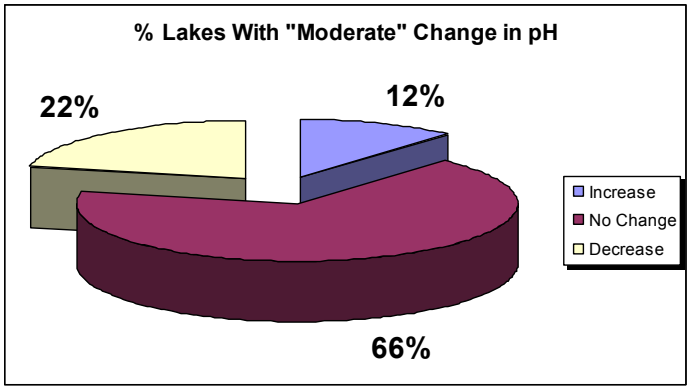


Figure 7a. %CSLAP Lakes Exhibiting Moderate Long-Term Change in pH

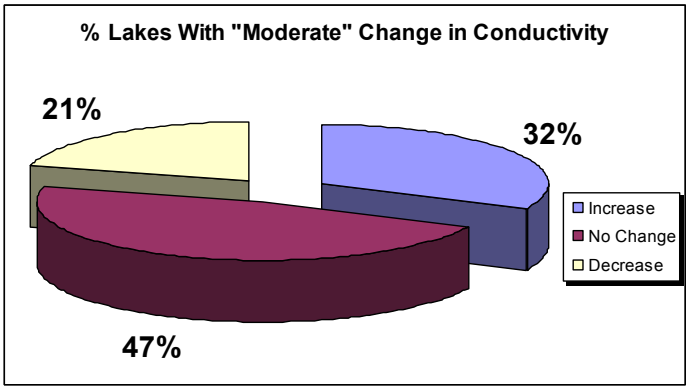


Figure 7b. %CSLAP Lakes Exhibiting Moderate Long-Term Change in Conductivity

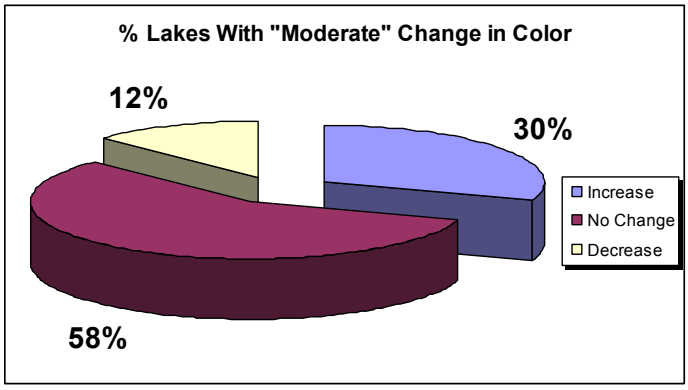


Figure 7c. %CSLAP Lakes Exhibiting Moderate Long-Term Change in Color

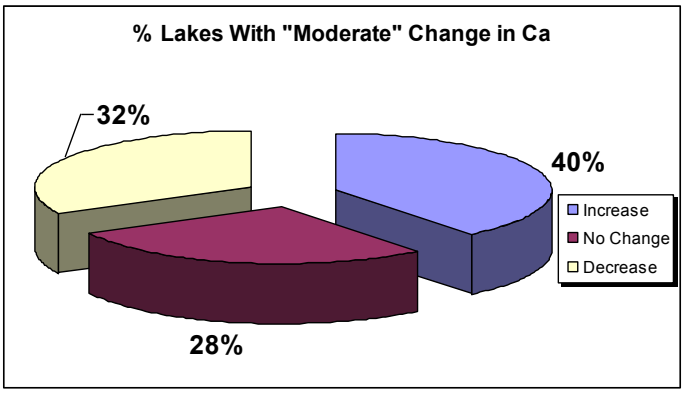


Figure 7d. %CSLAP Lakes Exhibiting Moderate Long-Term Change in Calcium

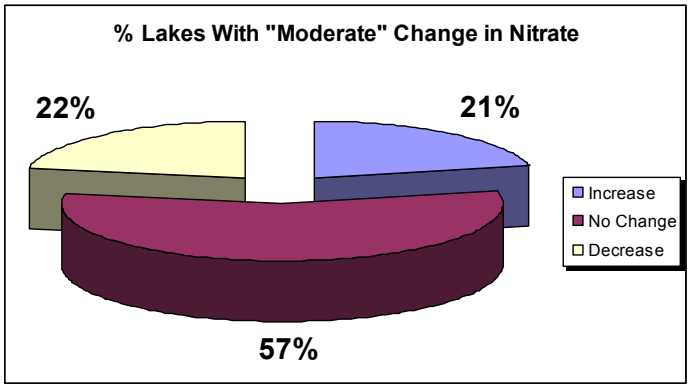


Figure 7e. %CSLAP Lakes Exhibiting Moderate Long-Term Change in Nitrate

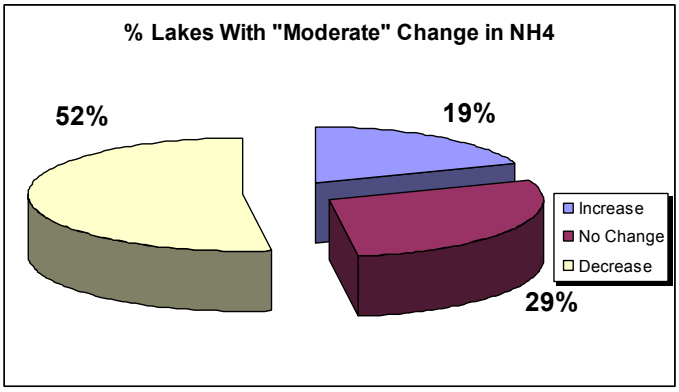


Figure 7f. %CSLAP Lakes Exhibiting Moderate Long-Term Changes in Ammonia

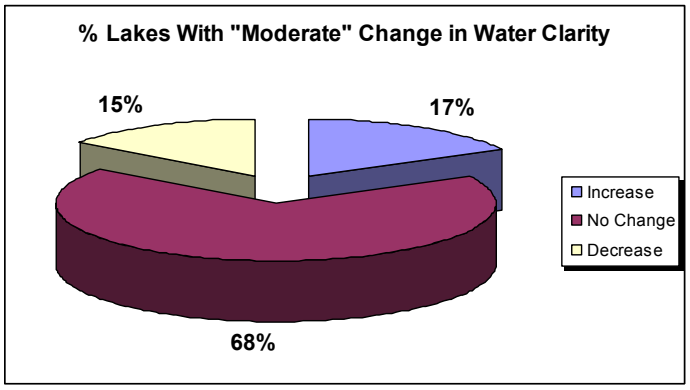


Figure 7g. %CSLAP Lakes Exhibiting Moderate Long-Term Change in Water Clarity

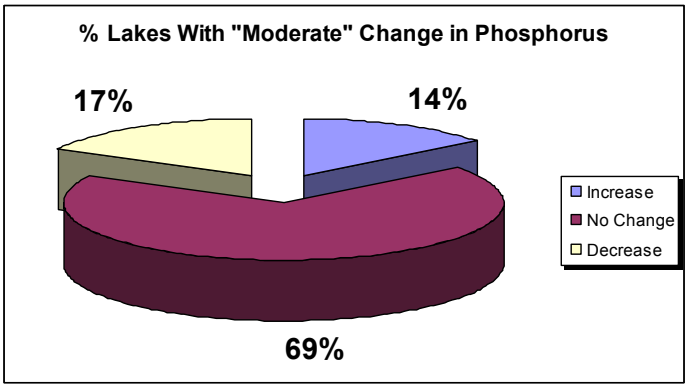


Figure 7h. %CSLAP Lakes Exhibiting Moderate Long-Term Changes in Phosphorus

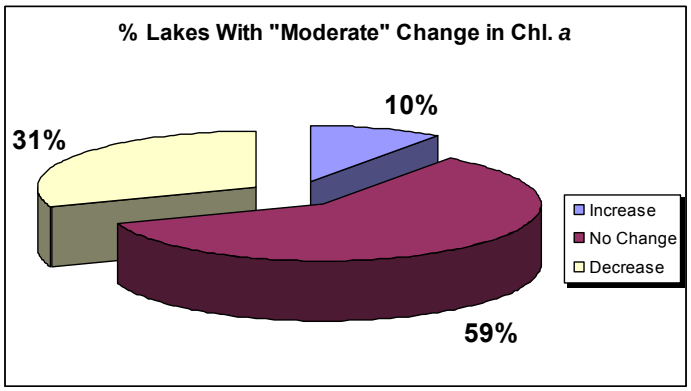


Figure 7i. %CSLAP Lakes Exhibiting Moderate Long-Term Change in Chlorophyll *a*

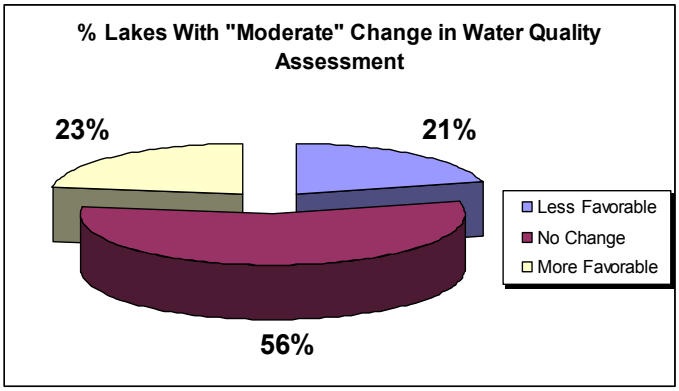


Figure 7j. %CSLAP Lakes Exhibiting Moderate Long-Term Change in Water-quality Assessment

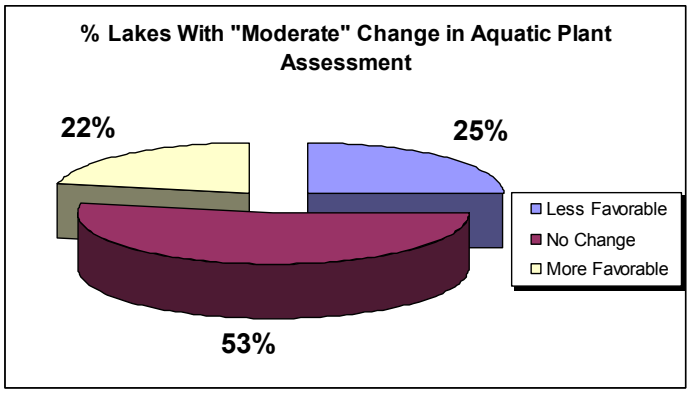


Figure 7k. %CSLAP Lakes Exhibiting Moderate Long-Term Change in Aquatic Plant Assessment

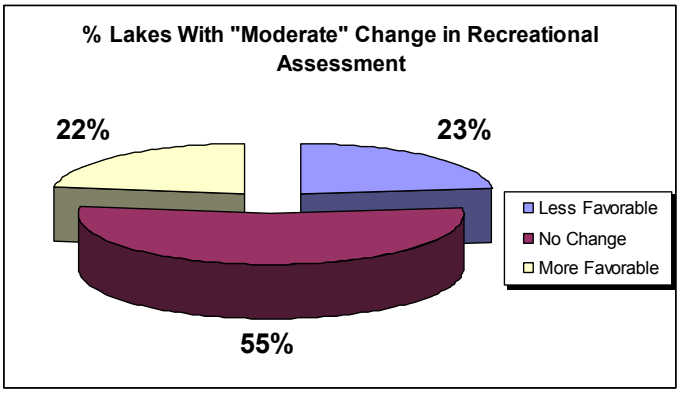


Figure 7l. %CSLAP Lakes Exhibiting Moderate Long-Term Change in Recreational Assessment

Some of the lakes sampling through CSLAP have demonstrated a moderate change since CSLAP sampling began in 1986, at least for some of the sampling parameters measured through CSLAP. In general, between 50% and 65% of the CSLAP lakes have not exhibited even moderate changes. Some of the parameters that have exhibited moderate changes may not reflect actual water-quality change. For example, it appears that the increase in color (Figure 7c) and decrease in nitrate (Figure 7e) and chlorophyll *a* (Figure 7i) is probably due to the shift in laboratories, even though the analytical methods are comparable. The increase in conductivity (Figure 7b) and decrease in pH (Figure 7a) are probably real phenomena—both changes were evident to some degree prior to the shift in laboratories, and both are largely predictable. The difference between the increase and decrease in the other sampling parameter (or between more favorable and less favorable conditions) does not appear to be important and probably indicates random variability.

Figures 8a through 8l indicate that, not surprisingly, "substantial" change is less common. Substantial change follows the same patterns as discussed above with the evaluation of "moderate" change in CSLAP lakes, except that the percentage of CSLAP lakes not exhibiting significant change is much higher, rising to about 65-80% of these lakes. For those CSLAP lakes exhibiting substantial change, it is most apparent in the same parameters described above. About 25% of the CSLAP lakes have exhibited a substantial increase in conductivity, consistent with a broad (and expected) successional pattern, in which lakes generally concentrate materials washed in from the surrounding watershed (and as the runoff itself concentrates materials as these watersheds move from forested to more urbanized, whether via residential development or other uses. The comparison between figures 8b and 8e through 8h indicate that this has not (yet) translated into higher nutrient loading into lakes.

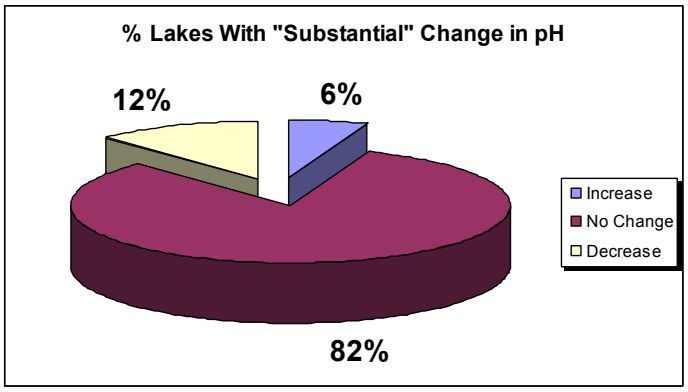


Figure 8a. %CSLAP Lakes Exhibiting Substantial Long-Term Change in pH

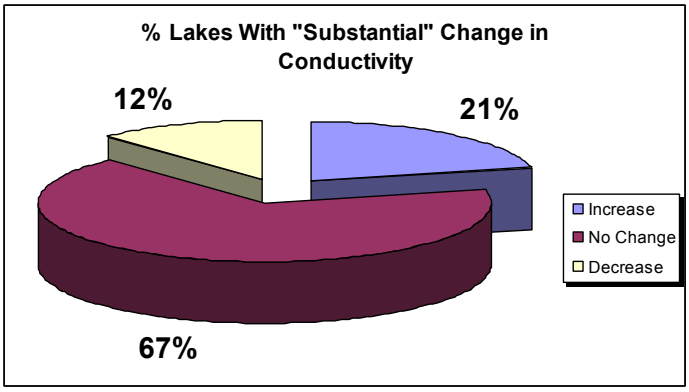


Figure 8b. %CSLAP Lakes Exhibiting Substantial Long-Term Change in Conductivity

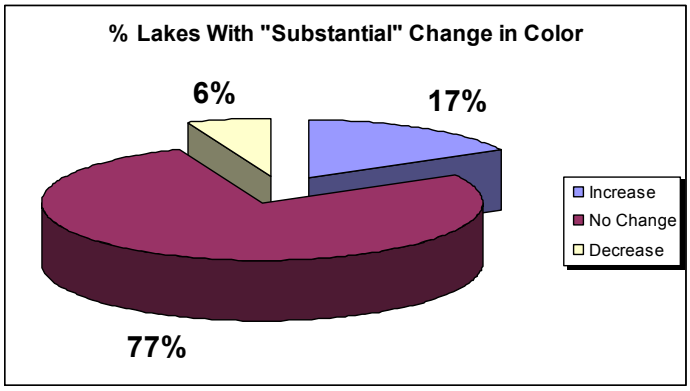


Figure 8c. %CSLAP Lakes Exhibiting Substantial Long-Term Change in Color

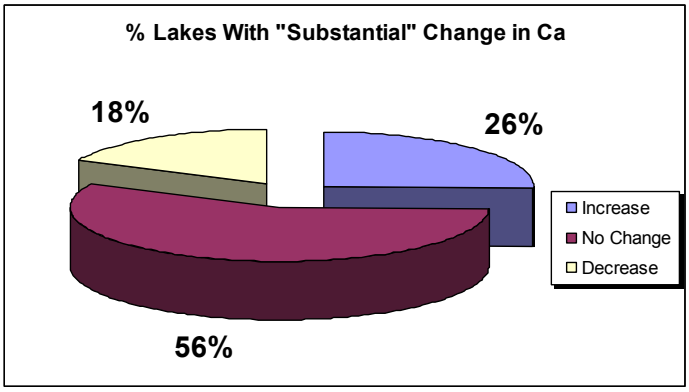


Figure 8d. %CSLAP Lakes Exhibiting Substantial Long-Term Change in Calcium

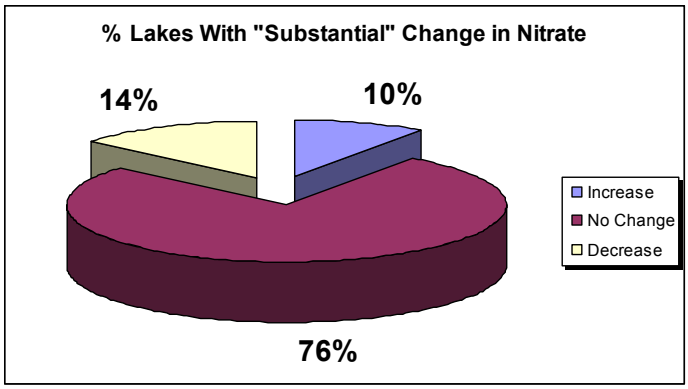


Figure 8e. %CSLAP Lakes Exhibiting Substantial Long-Term Change in Nitrate

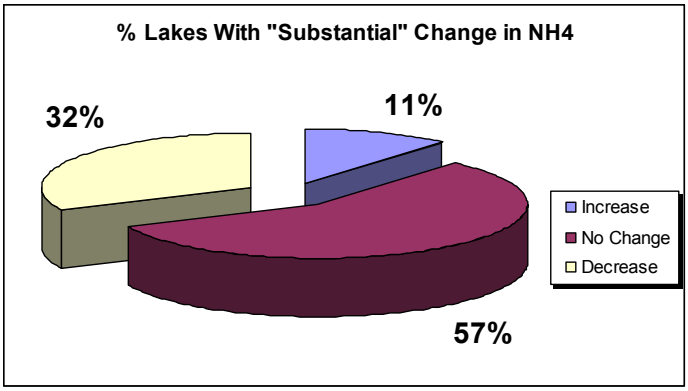


Figure 8f. %CSLAP Lakes Exhibiting Substantial Long-Term Changes in Ammonia

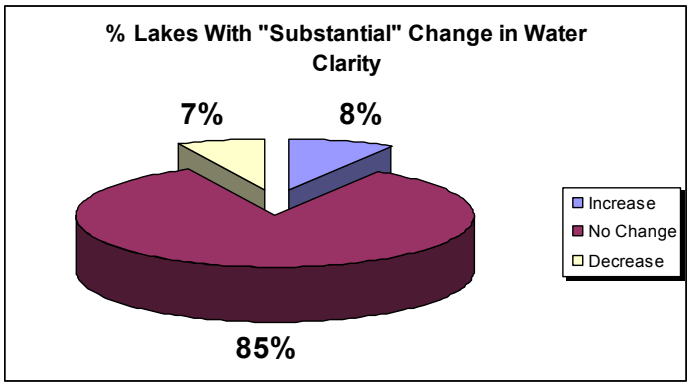


Figure 8g. %CSLAP Lakes Exhibiting Substantial Long-Term Change in Water Clarity

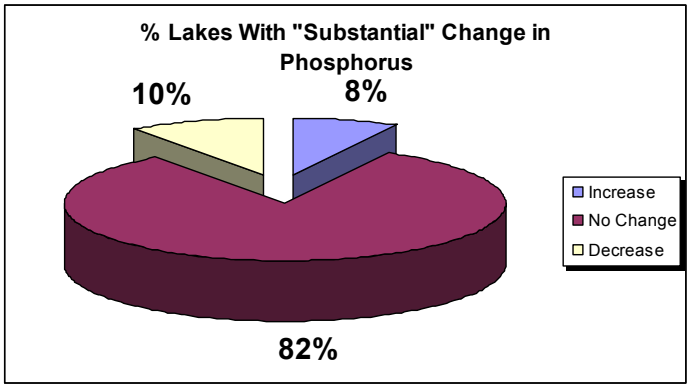


Figure 8h. %CSLAP Lakes Exhibiting Substantial Long-Term Changes in Phosphorus

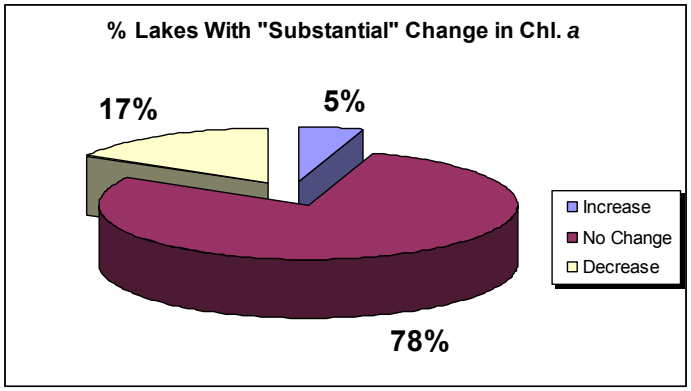


Figure 8i. %CSLAP Lakes Exhibiting Substantial Long-Term Change in Chlorophyll *a*

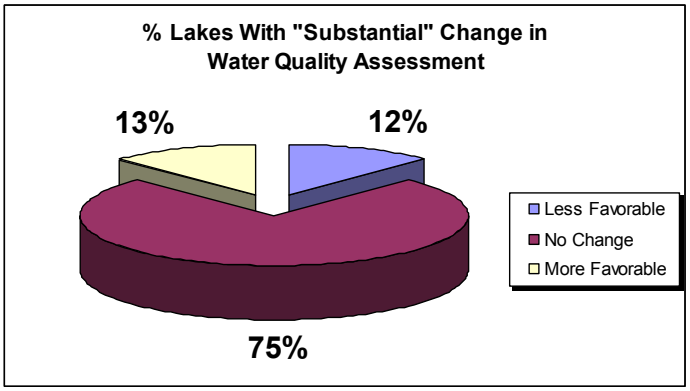


Figure 8j. %CSLAP Lakes Exhibiting Substantial Long-Term Change in Water-quality Assessment

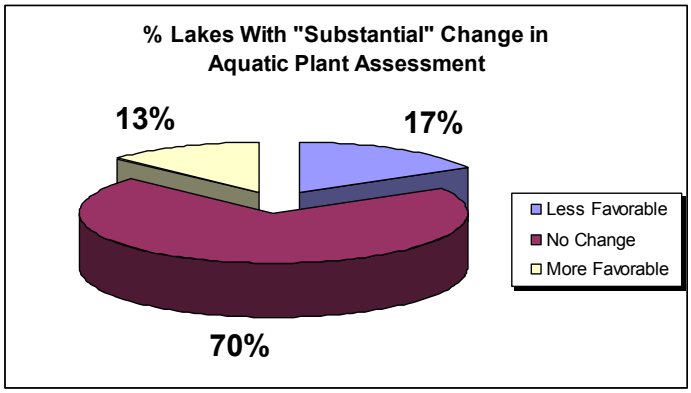


Figure 8k. %CSLAP Lakes Exhibiting Substantial Long-Term Change in Aquatic Plant Assessment

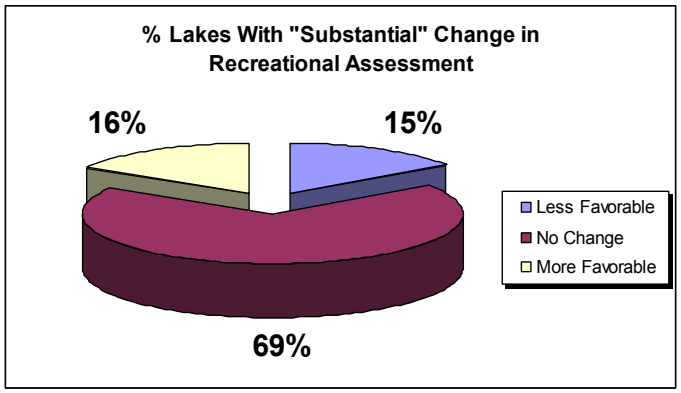


Figure 8l. %CSLAP Lakes Exhibiting Substantial Long-Term Change in Recreational Assessment

As noted above, there does not appear to be any clear pattern between weather and water-quality changes, although some connection between changes in precipitation and changes in some water-quality indicators is at least alluded to in some cases. However, all of these lakes may be the long-term beneficiaries of the ban on phosphorus in detergents in the early 1970s, which, with other local circumstances (perhaps locally more "favorable" weather, local stormwater or septic management, etc.), has resulted in less productive conditions. Without these circumstances, water-quality conditions in many of these lakes might otherwise be more productive in the creeping march toward aging, eutrophication, and succession (as suggested from the steady rise in conductivity). In other words, the higher materials loading into these lakes may be largely balanced by a reduction in nutrients within the corresponding runoff.

The drop in pH in NYS lakes has been studied at length within the Adirondacks and may continue to be attributable on a statewide basis to acid rain, which continues to fall throughout the state. The CSLAP dataset is not adequate to evaluate any ecological changes associated with higher lake acidity, and it is certainly worth noting that the slight drop in pH in most CSLAP lakes does not bring these lakes into an acidic status (these lakes have, at worse, become slightly less basic). In addition, for lakes most susceptible to acidification, laboratory pH is only an approximation of actual pH. Fully accurate pH readings require field measurements using very specialized equipment, although for most lakes with even modest buffering capacity, laboratory pH is a good estimate of *in situ* pH readings. So while the decrease in pH in some CSLAP lakes should continue to be watched, it does not appear to be a cause for concern, at least relative to the low pH in small, undeveloped, high-elevation lakes within the Adirondack Park.

Lake perception has changed more significantly than water-quality (except conductivity). None of the lake perception indicators—water-quality, weeds, or recreation—have varied in a consistent manner, although variability is more common in each of these indicators. The largest change is in recreational assessments, with about one third of all lakes exhibiting substantial change and nearly half demonstrating moderate change. A more detailed analysis of these assessments (not presented here) indicates that the Adirondacks have demonstrated more "positive" change than other regions of the state, due to the perception that aquatic weed densities have not increased as significantly (and water-quality conditions have improved in some cases). However, the rapid spread of *Myriophyllum spicatum* into the interior Adirondacks will likely reverse this "trend" in coming years, and it is not clear if these "findings" can be extrapolated to other lakes within the Adirondack Park.

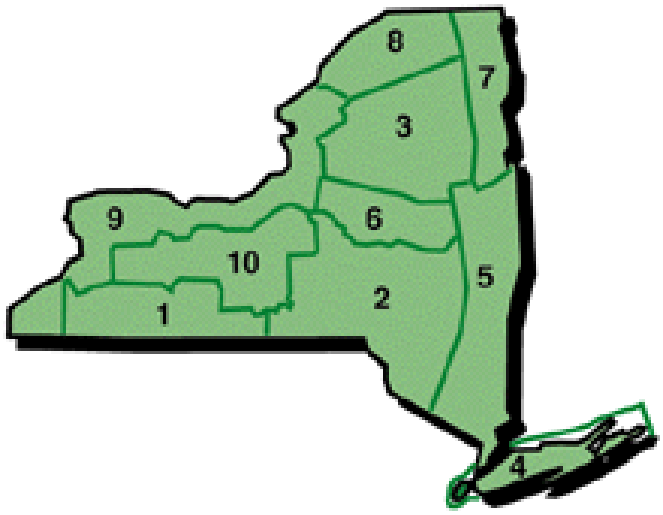


Figure 9- NOAA Weather Zones in New York State

Larger trends and observations about each of the CSLAP sampling parameters are presented below in figures 10 through 21. Information about general precipitation and runoff patterns—whether a particular year was wet or dry—is reported to provide a basis for understanding the connection between weather and water quality for lakes in New York state. It is clear that weather patterns are highly variable within the state. While this is also apparent down at the individual lake scale—storms can fall at a lake but not a neighboring lake—the National Oceanographic and Atmospheric Administration (NOAA) has established ten weather zones in New York state corresponding to regions exhibiting similar weather patterns. Weather data for the state can be summarized by each of these zones, in an attempt to fine-tune individual lake analyses to local weather data.

The individual parameter summaries provided in figures 10-20 correspond to the predominant weather patterns found from 1986 to 2006 in the state. A code can be located above the columns for each year; a "↑" corresponds to wetter (>50%) than normal weather, while "↓ " corresponds to drier (<50%) than normal weather, and "0" corresponds to normal weather. In this code, the first symbol corresponds to the winter and spring precipitation, and the second symbol corresponds to summer precipitation. So, for example, a code of "↑↓" corresponds to a wet spring and dry summer, while "00" corresponds to normal spring and summer precipitation. While ideally the individual parameter summaries and weather summaries could be delineated by weather zone, the CSLAP lake dataset is not sufficient large for most of these weather zones to generate statistically meaningful data summaries. However, these weather zone data are used in the individual lake data summaries in **Section IV: Detailed Lake George Water Quality Summary.**

Lake George is in NOAA weather zone 5, the Hudson Valley region. The precipitation patterns for this zone are summarized below.

Statewide and Lake George Regional Weather Patterns

Weather patterns in New York state have varied significantly from year to year since at least 1986. This may be a response to global climatic change, since greater weather variance has been observed by both climatologists and casual observers.

Using the criteria above (wetter = >50% more precipitation than the long-term average, drier = >50% less precipitation than normal) and equally weighing each of the 10 NOAA weather zones in New York state, Table 1 shows the winter (January through March) and spring (April through June) precipitation and "summer" (June through September) precipitation patterns for New York state and the NOAA zone corresponding to Lake George. Summer was defined here to overlap with spring to include the entirety of the sampling season for most CSLAP lakes.

Year	Statewide Avg: Winter-Spring / Summer	NOAA Zone 5 Avg: Winter-Spring / Summer
1986	Normal / Wet	Normal / Normal
1987	Dry / Normal	Normal / Wet
1988	Very Dry / Normal	Very Dry / Normal
1989	Wet / Normal	Wet / Normal
1990	Very Wet / Normal	Very Wet / Normal
1991	Normal / Normal	Dry / Normal
1992	Normal / Wet	Dry / Normal
1993	Wet / Normal	Normal / Normal
1994	Wet / Normal	Very Wet / Wet
1995	Very Dry / Normal	Very Dry / Normal
1996	Very Wet / Normal	Very Wet / Very Wet
1997	Normal / Normal	Dry / Normal
1998	Very Wet / Normal	Very Wet / Dry
1999	Normal / Normal	Wet / Wet
2000	Very Wet / Normal	Very Wet / Normal
2001	Normal / Normal	Normal / Normal
2002	Very Wet / Dry	Normal / Normal
2003	Normal / Wet	Normal / Very Wet
2004	Dry / Very Wet	Very Dry / Very Wet
2005	Normal / Normal	Wet / Normal
2006	Wet / Wet	Very Wet / Normal

Table 1: Statewide and NOAA Zone 5 Weather Patterns

The weather data in Table 1 shows that wetter than normal summers have occurred in three of the last four years, although more variable weather patterns have occurred in the winter and spring. The wettest years have been 1990, 1996, 1998, 2004 and 2006, while the driest years were 1988 and 1995. The only dry seasons since 1995 were the winter of 2004 and the summer of 2002.

Data from the Hudson Valley Region—which includes Lake George— have indicated wet conditions over nearly all of the last eleven years. The wettest years have been 1996, 1994, 2003, 2006, 2000, and 1990 while the driest years were 1995 and 1988. It should be noted that one dry summer (1998) and one dry winter (2004) have occurred in this region in the last ten years. Within the CSLAP sampling timetable for Lake George, 2006 and 2005 were wet, and none of the sampling seasons were dry.

DETAILED LAKE GEORGE WATER-QUALITY SUMMARY

CSLAP is intended to provide a database to help lake associations understand lake conditions and foster sound lake protection and pollution prevention decisions. This individual lake summary for 2007 contains two forms of information. The raw data and graphs present a snapshot or glimpse of water-quality conditions at each lake. They are based on (at most) eight or nine sampling events during the summer. As lakes are sampled through CSLAP for a number of years, the database for each lake will expand, and assessments of lake conditions and water-quality data become more accurate. For this reason, lakes new to CSLAP for only one year will not have information about annual trends.

Raw Data

Two **"**data sets**"** are provided below. The data presented in Table 2 include an annual summary of the minimum, maximum, and average for each of the CSLAP sampling parameters, including data from other sources for which sufficient quality-assurance/quality-control documentation is available for assessing the validity of the results. This data may be useful for comparing a particular data point for the current sampling year with historical data or information. Tables 3 through 5 includes more detailed summaries of the 2007 and historical data sets, including some evaluation of water-quality trends, comparison against existing water-quality standards, and whether 2007 represented a typical year.

Graphs

The second form of data analysis for your lake is presented in the form of graphs. These graphs are based on the raw data sets to represent a snapshot of water-quality conditions at your lake. The more sampling that has been done on a particular lake, the more information that can be presented on the graph, and the more information you have to identify annual trends for your lake. For example, a lake that has been doing CSLAP monitoring consistently for five years will have a graph depicting five years' worth of data, whereas a lake that has been doing CSLAP sampling for only one year will only have one. Therefore, it is important to consider the number of sampling years of information in addition to where the data points fall on a graph when trying to draw conclusions about annual trends. There are certain factors not accounted for in this report that lake managers should consider:

- **Local weather conditions** (high or low temperatures, rainfall, droughts or hurricanes). Due to delays in receiving meteorological data from NOAA stations within NYS, weather data from individual weather stations or the present sampling season are not included in these reports. Some of the variability reported below can be attributed more to weather patterns than to a "real" water trend or change. However, it is presumed that much of the sampling "noise" associated with weather is dampened over multiple years of data collection and thus should not significantly influence the limited trend analyses provided for CSLAP lakes with longer and larger databases.

- **Sampling season and parameter limitations**. Because sampling is generally confined to June-September, this report does not look at CSLAP parameters during the winter and other seasons. Winter conditions can impact the usability and water-quality of a lake. In addition, there are other sampling parameters (fecal coliform, dissolved oxygen, etc.) that may be responsible for chemical and biological processes and changes in physical measurements (such as water clarity) and the perceived conditions in the lake. *The 2007 CSLAP report attempts to standardize some comparisons by limiting the evaluation to the summer recreational season and the most common sampling periods (mid-June through mid-September), in the event that samples are collected at other times of the year (such as May or October) during only some sampling seasons.*

TABLE 2: CSLAP Data Summary for Lake George

Year	Min	Avg	Max	N	Parameter
2004-07	**4.00**	**8.06**	**12.25**	**149**	**Zsd**
2007	6.80	6.85	6.90	2	Zsd-LGVillage
2007	6.50	7.70	9.50	8	Zsd-DiamondIsl
2007	6.05	7.33	8.73	8	Zsd-HarrisBay
2007	7.40	8.46	9.90	8	Zsd-BasinBay
2007	8.88	10.11	12.25	8	Zsd-CrownIsl
2007	5.55	6.61	7.25	5	Zsd-WernerBay
2007	8.25	10.17	11.95	8	Zsd-NWBay
2007	7.25	8.75	10.45	7	Zsd-HewlittsLnd
2007	7.35	10.01	12.25	8	Zsd-GullBay
2007	8.00	8.17	9.00	6	Zsd-HeartsBay
2006	6.25	7.19	7.75	7	Zsd-DiamondIsl
2006	6.10	7.64	9.05	8	Zsd-BasinBay
2006	7.80	8.37	9.25	3	Zsd-HewlittsLnd
2006	7.50	8.10	9.00	5	Zsd-HeartsBay
2005	6.25	6.83	7.45	4	Zsd-LGVillage
2005	6.25	7.38	8.50	4	Zsd-DiamondIsl
2005	5.75	7.20	8.25	8	Zsd-BasinBay
2005	7.00	8.17	9.50	6	Zsd-CrownIsl
2005	8.50	9.18	9.85	2	Zsd-HewlittsLnd
2005	8.30	8.60	9.00	3	Zsd-HeartsBay
2004	5.15	6.73	9.30	8	Zsd-LGVillage
2004	6.80	8.08	9.35	6	Zsd-DiamondIsl
2004	6.20	7.33	8.80	8	Zsd-BasinBay
2004	6.50	8.00	9.50	2	Zsd-PilotKnob
2004	4.00	5.08	6.75	3	Zsd-CrownIsl
2004	8.00	9.28	10.72	4	Zsd-HewlittsLnd

DATA SOURCE KEY

CSLAP	New York Citizens Statewide Lake Assessment Program
LCI	the NYSDEC Lake Classification and Inventory Survey conducted during the 1980s and again beginning in 1996 on select sets of lakes, typically 1 to 4x per year
DEC	other water-quality data collected by the NYSDEC Divisions of Water and Fish and Wildlife, typically 1 to 2x in any give year
ALSC	the NYSDEC (and other partners) Adirondack Lake Survey Corporation study of more than 1500 Adirondack and Catskill lakes during the mid 1980s, typically 1 to 2x
ELS	USEPA's Eastern Lakes Survey, conducted in the fall of 1982, 1x
NES	USEPA's National Eutrophication Survey, conducted in 1972, 2 to 10x
EMAP	USEPA and US Dept. of Interior's Environmental Monitoring and Assessment Program conducted from 1990 to present, 1 to 2x in four year cycles

Additional data source codes are provided in the individual lake reports

CSLAP DATA KEY:

The following key defines column headings and parameter results for each sampling season:

Min	Minimum reading for the parameter
Avg	Geometric average (mean) reading for the parameter
Max	Maximum reading for the parameter
N	Number of samples collected
Zsd	Secchi disk transparency, meters
Tot.P	Total Phosphorus as P, in mg/l (Hypo = bottom sample)
NO3	Nitrate + Nitrite nitrogen as N, in mg/l
NH_4	Ammonia as N, in mg/l
TDN	Total Dissolved Nitrogen as N, in mg/l
TN	Total Nitrogen as N, in mg/l
TP/TN	Phosphorus/Nitrogen ratios, unitless (calculated from TDN)
Ca	Calcium, in mg/l
Tcolor	True color, as platinum color units
pH	(negative logarithm of hydrogen ion concentration), standard pH
Cond25	Specific conductance corrected to 25°C, in µmho/cm
Chl.a	Chlorophyll *a*, in µg/l
QA	Survey question re: physical condition of lake: (1) crystal clear; (2) not quite crystal clear; (3) definite algae greenness; (4) high algae levels; and (5) severely high algae levels
QB	Survey question re: aquatic plant populations of lake: (1) none visible; (2) visible underwater; (3) visible at lake surface; (4) dense growth at lake surface; (5) dense growth completely covering the nearshore lake surface
QC	Survey question re: recreational suitability of lake: (1) couldn't be nicer; (2) very minor aesthetic problems but excellent for overall use; (3) slightly impaired; (4) substantially impaired, although lake can be used; (5) recreation impossible
QD	Survey question re: factors affecting answer QC: (1) poor water clarity; (2) excessive weeds; (3) too much algae/odor; (4) lake looks bad; (5) poor weather; (6) litter, surface debris, beached/floating material; (7) too many lake users (boats, PWCs, etc); (8) other

TABLE 2: CSLAP Data Summary for Lake George (cont)

Year	Min	Avg	Max	N	Parameter
2004-07	**0.002**	**0.008**	**0.024**	**143**	**Tot.P**
2007	0.006	0.007	0.007	2	TP-LGVillage
2007	0.006	0.009	0.013	2	HypTP-LGVillage
2007	0.005	0.007	0.008	8	TP-DiamondIsl
2007	0.000	0.008	0.016	7	HypTP-DiamondIsl
2007	0.004	0.007	0.013	8	TP-HarrisBay
2007	0.005	0.008	0.010	8	HypTP-HarrisBay
2007	0.002	0.006	0.008	8	TP-BasinBay
2007	0.005	0.007	0.009	8	HypTP-BasinBay
2007	0.004	0.007	0.016	7	TP-CrownIsl
2007	0.006	0.010	0.015	8	HypTP-CrownIsl
2007	0.005	0.006	0.007	5	TP-WernerBay
2007	0.005	0.007	0.010	4	HypTP-WernerBay
2007	0.006	0.011	0.024	8	TP-NWBay
2007	0.005	0.009	0.014	8	HypTP-NWBay
2007	0.003	0.004	0.005	7	TP-HewlittsLnd
2007	0.005	0.012	0.019	6	HypTP-HewlittsLnd
2007	0.003	0.005	0.007	7	TP-GullBay
2007	0.004	0.007	0.011	7	HypTP-GullBay
2007	0.007	0.009	0.011	4	TP-HeartsBay
2007	0.006	0.008	0.011	6	HypTP-HeartsBay
2006	0.006	0.008	0.013	6	TP-DiamondIsl
2006	0.006	0.007	0.008	5	HypTP-DiamondIsl
2006	0.004	0.005	0.007	8	TP-BasinBay
2006	0.004	0.006	0.008	8	HypTP-BasinBay
2006	0.002	0.003	0.005	3	TP-HewlittsLnd
2006	0.009	0.009	0.010	2	HypTP-HewlittsLnd
2006	0.004	0.010	0.017	5	TP-HeartsBay
2006	0.005	0.007	0.013	5	HypTP-HeartsBay
2005	0.004	0.008	0.015	6	TP-LGVillage
2005	0.007	0.019	0.053	6	HypTP-LGVillage
2005	0.003	0.006	0.007	4	TP-DiamondIsl
2005	0.006	0.008	0.013	4	HypTP-DiamondIsl
2005	0.005	0.006	0.009	8	TP-BasinBay
2005	0.005	0.008	0.013	8	HypTP-BasinBay
2005	0.009	0.012	0.016	6	TP-CrownIsl
2005	0.004	0.008	0.011	3	HypTP-CrownIsl
2005	0.003	0.004	0.004	2	TP-HewlittsLnd
2005	0.010	0.016	0.022	2	HypTP-HewlittsLnd
2005	0.009	0.012	0.015	2	TP-HeartsBay

TABLE 2: CSLAP Data Summary for Lake George (cont)

Year	Min	Avg	Max	N	Parameter
2004-07	**0.002**	**0.008**	**0.024**	**143**	**Tot.P**
2004	0.005	0.010	0.020	7	TP-LGVillage
2004	0.006	0.011	0.025	8	HypTP-LGVillage
2004	0.004	0.010	0.014	6	TP-DiamondIsl
2004	0.006	0.012	0.030	6	HypTP-DiamondIsl
2004	0.004	0.010	0.023	8	TP-BasinBay
2004	0.002	0.005	0.007	8	HypTP-BasinBay
2004	0.006	0.007	0.009	2	TP-PilotKnob
2004	0.007	0.012	0.017	2	HypTP-PilotKnob
2004	0.006	0.015	0.022	3	TP-CrownIsl
2004	0.004	0.008	0.011	3	HypTP-CrownIsl
2004	0.003	0.004	0.007	3	TP-HewlittsLnd
2004	0.003	0.008	0.015	4	HypTP-HewlittsLnd
Year	Min	Avg	Max	N	Parameter
2004-07	**0.00**	**0.02**	**0.24**	**137**	**NO3**
2007	0.00	0.01	0.01	2	NO3-LGVillage
2007	0.00	0.01	0.02	8	NO3-DiamondIsl
2007	0.00	0.01	0.02	8	NO3-HarrisBay
2007	0.00	0.01	0.02	8	NO3-BasinBay
2007	0.00	0.01	0.03	8	NO3-CrownIsl
2007	0.01	0.01	0.04	5	NO3-WernerBay
2007	0.00	0.02	0.07	7	NO3-NWBay
2007	0.00	0.01	0.04	6	NO3-HewlittsLnd
2007	0.00	0.02	0.08	8	NO3-GullBay
2007	0.01	0.07	0.24	6	NO3-HeartsBay
2006	0.01	0.01	0.01	4	NO3-DiamondIsl
2006	0.00	0.02	0.04	5	NO3-BasinBay
2006	0.01	0.01	0.02	2	NO3-HewlittsLnd
2006	0.01	0.02	0.03	5	NO3-HeartsBay
2005	0.01	0.01	0.01	4	NO3-LGVillage
2005	0.01	0.01	0.01	3	NO3-DiamondIsl
2005	0.01	0.01	0.04	8	NO3-BasinBay
2005	0.01	0.01	0.05	6	NO3-CrownIsl
2005	0.01	0.01	0.02	2	NO3-HewlittsLnd
2005	0.01	0.01	0.01	4	NO3-HeartsBay
2004	0.01	0.03	0.09	8	NO3-LGVillage
2004	0.03	0.07	0.12	8	HypNO3-LGVillage
2004	0.01	0.01	0.01	6	NO3-DiamondIsl
2004	0.02	0.07	0.09	6	HypNO3-DiamondIsl
2004	0.01	0.02	0.02	8	NO3-BasinBay
2004	0.01	0.04	0.25	8	HypNO3-BasinBay
2004	0.01	0.01	0.01	1	NO3-PilotKnob
2004	0.02	0.02	0.03	2	HypNO3-PilotKnob
2004	0.01	0.01	0.01	2	NO3-CrownIsl
2004	0.02	0.05	0.09	3	HypNO3-CrownIsl
2004	0.01	0.01	0.01	3	NO3-HewlittsLnd
2004	0.01	0.01	0.01	2	HypNO3-HewlittsLnd

TABLE 2: CSLAP Data Summary for Lake George (cont)

Year	Min	Avg	Max	N	Parameter
2004-07	**0.00**	**0.02**	**0.67**	**139**	**NH4**
2007	0.00	0.01	0.01	2	NH4-LGVillage
2007	0.01	0.09	0.67	8	NH4-DiamondIsl
2007	0.01	0.01	0.01	8	NH4-HarrisBay
2007	0.01	0.02	0.04	8	NH4-BasinBay
2007	0.01	0.01	0.02	8	NH4-CrownIsl
2007	0.01	0.03	0.06	5	NH4-WernerBay
2007	0.01	0.02	0.06	7	NH4-NWBay
2007	0.01	0.02	0.07	7	NH4-HewlittsLnd
2007	0.01	0.01	0.04	8	NH4-GullBay
2007	0.01	0.01	0.02	6	NH4-HeartsBay
2006	0.01	0.01	0.02	4	NH4-DiamondIsl
2006	0.01	0.02	0.04	5	NH4-BasinBay
2006	0.02	0.02	0.02	2	NH4-HewlittsLnd
2006	0.01	0.02	0.03	5	NH4-LGVillage
2005	0.01	0.01	0.01	4	NH4-Site1
2005	0.01	0.01	0.01	3	NH4-DiamondIsl
2005	0.01	0.02	0.13	8	NH4-BasinBay
2005	0.01	0.06	0.33	6	NH4-CrownIsl
2005	0.01	0.01	0.01	2	NH4-HewlittsLnd
2005	0.01	0.01	0.04	4	NH4-HeartsBay
2004	0.01	0.01	0.02	8	NH4-LGVillage
2004	0.01	0.01	0.03	8	HyNH4-LGVillage
2004	0.01	0.01	0.02	6	NH4-DiamondIsl
2004	0.01	0.08	0.42	6	HyNH4-DiamondIsl
2004	0.01	0.01	0.03	8	NH4-BasinBay
2004	0.01	0.01	0.02	8	HyNH4-BasinBay
2004	0.01	0.01	0.01	1	NH4-PilotKnob
2004	0.01	0.01	0.01	2	HyNH4-PilotKnob
2004	0.01	0.01	0.02	3	NH4-CrownIsl
2004	0.01	0.01	0.01	3	HyNH4-CrownIsl
2004	0.01	0.01	0.02	3	NH4-HewlittsLnd
2004	0.01	0.03	0.09	3	HyNH4-HewlittsLnd
Year	Min	Avg	Max	N	Parameter
2004-07	**0.01**	**0.36**	**1.44**	**143**	**TDN**
2007	0.16	0.21	0.27	2	TDN-LGVillage
2007	0.26	0.34	0.63	8	TDN-DiamondIsl
2007	0.23	0.38	0.54	8	TDN-HarrisBay
2007	0.27	0.49	1.44	8	TDN-BasinBay
2007	0.26	0.37	0.51	8	TDN-CrownIsl
2007	0.24	0.40	0.72	5	TDN-WernerBay
2007	0.22	0.42	0.72	8	TDN-NWBay
2007	0.32	0.39	0.52	6	TDN-HewlittsLnd
2007	0.26	0.46	0.64	8	TDN-GullBay
2007	0.33	0.44	0.60	6	TDN-HeartsBay

TABLE 2: CSLAP Data Summary for Lake George (cont)

Year	Min	Avg	Max	N	Parameter
2004-07	**0.01**	**0.36**	**1.44**	**143**	**TDN**
2006	0.28	0.46	0.55	6	TDN-DiamondIsl
2006	0.29	0.39	0.60	7	TDN-BasinBay
2006	0.30	0.53	0.75	2	TDN-HewlittsLnd
2006	0.37	0.47	0.63	5	TDN-HeartsBay
2005	0.06	0.11	0.16	4	TDN-LGVillage
2005	0.10	0.15	0.18	3	TDN-DiamondIsl
2005	0.01	0.18	0.39	8	TDN-BasinBay
2005	0.16	0.33	1.04	6	TDN-CrownIsl
2005	0.26	0.29	0.32	2	TDN-HewlittsLnd
2005	0.13	0.21	0.33	4	TDN-HeartsBay
2004	0.11	0.39	0.85	8	TDN-LGVillage
2004	0.11	0.30	0.56	7	HypTDN-LGVillage
2004	0.13	0.28	0.38	6	TDN-DiamondIsl
2004	0.23	0.37	0.60	6	HypTDN-DiamondIsl
2004	0.23	0.36	0.63	7	TDN-BasinBay
2004	0.25	0.42	0.76	8	HypTDN-BasinBay
2004	0.15	0.48	0.81	2	TDN-PilotKnob
2004	0.18	0.43	0.67	2	HypTDN-PilotKnob
2004	0.19	0.25	0.34	3	TDN-CrownIsl
2004	0.07	0.35	0.60	3	HypTDN-CrownIsl
2004	0.21	0.35	0.44	3	TDN-HewlittsLnd
2004	0.32	0.39	0.44	3	HypTDN-HewlittsLnd
Year	Min	Avg	Max	N	Parameter
2004-07	**2**	**130**	**537**	**143**	**TN/TP**
2007	52	73	94	2	TN/TP-LGVillage
2007	85	111	178	8	TN/TP-DiamondIsl
2007	61	130	240	8	TN/TP-HarrisBay
2007	95	216	537	8	TN/TP-BasinBay
2007	31	120	195	8	TN/TP-CrownIsl
2007	75	144	226	5	TN/TP-WernerBay
2007	33	114	258	8	TN/TP-NWBay
2007	149	256	359	6	TN/TP-HewlittsLnd
2007	92	198	353	7	TN/TP-GullBay
2007	22	92	188	6	TN/TP-HeartsBay
2006	87	138	194	6	TN/TP-DiamondIsl
2006	128	157	195	7	TN/TP-BasinBay
2006	337	390	443	2	TN/TP-HewlittsLnd
2006	51	149	382	5	TN/TP-HeartsBay
2005	16	29	57	4	TN/TP-LGVillage
2005	51	57	63	3	TN/TP-DiamondIsl
2005	2	57	121	8	TN/TP-BasinBay
2005	26	60	180	6	TN/TP-CrownIsl
2005	136	172	208	2	TN/TP-HewlittsLnd
2005	42	46	49	2	TN/TP-HeartsBay

TABLE 2: CSLAP Data Summary for Lake George (cont)

Year	Min	Avg	Max	N	Parameter
2004-07	**2**	**130**	**537**	**143**	**TN/TP**
2004	12	126	403	8	TN/TP-LGVillage
2004	20	70	163	7	HypTN/TP-LGVillage
2004	20	79	203	6	TN/TP-DiamondIsl
2004	26	95	225	6	HypTN/TP-DiamondIsl
2004	23	110	232	7	TN/TP-BasinBay
2004	80	213	562	8	HypTN/TP-BasinBay
2004	39	177	315	2	TN/TP-PilotKnob
2004	62	74	87	2	HypTN/TP-PilotKnob
2004	19	60	133	3	TN/TP-CrownIsl
2004	14	116	187	3	HypTN/TP-CrownIsl
2004	139	241	343	3	TN/TP-HewlittsLnd
2004	66	121	211	3	HypTN/TP-HewlittsLnd
Year	Min	Avg	Max	N	Parameter
2004-07	**1**	**8**	**74**	**132**	**CSLAP TColor**
2007	3	5	6	2	CSLAP TColor-LGVillage
2007	2	6	10	8	CSLAP TColor-DiamondIsl
2007	1	5	7	8	CSLAP TColor-HarrisBay
2007	5	10	15	8	CSLAP TColor-BasinBay
2007	5	12	39	8	CSLAP TColor-CrownIsl
2007	5	8	11	5	CSLAP TColor-WernerBay
2007	5	7	9	8	CSLAP TColor-NWBay
2007	2	5	7	7	CSLAP TColor-HewlittsLnd
2007	4	8	21	7	CSLAP TColor-GullBay
2007	1	8	31	6	CSLAP TColor-HeartsBay
2006	6	18	27	4	CSLAP Tcolor-DiamondIsl
2006	2	7	11	7	CSLAP Tcolor-BasinBay
2006	5	8	10	2	CSLAP Tcolor-HewlittsLnd
2006	1	7	11	4	CSLAP Tcolor-HeartsBay
2005	3	6	11	4	CSLAP Tcolor-LGVillage
2005	1	11	33	4	CSLAP Tcolor-DiamondIsl
2005	1	4	7	7	CSLAP Tcolor-BasinBay
2005	1	4	5	5	CSLAP Tcolor-CrownIsl
2005				0	CSLAP Tcolor-HewlittsLnd
2005	9	15	20	2	CSLAP Tcolor-HeartsBay
2004	1	8	34	6	CSLAP Tcolor-LGVillage
2004	1	5	12	5	CSLAP Tcolor-DiamondIsl
2004	1	8	22	7	CSLAP Tcolor-BasinBay
2004	7	14	21	2	CSLAP Tcolor-PilotKnob
2004	6	29	74	3	CSLAP Tcolor-CrownIsl
2004	2	4	7	3	CSLAP Tcolor-HewlittsLnd

TABLE 2: CSLAP Data Summary for Lake George (cont)

Year	Min	Avg	Max	N	Parameter
2004-07	**6.54**	**7.78**	**9.22**	**145**	**CSLAP pH**
2007	7.70	7.88	8.06	2	CSLAP pH-LGVillage
2007	7.26	8.28	9.22	8	CSLAP pH-DiamondIsl
2007	7.32	7.77	8.26	8	CSLAP pH-HarrisBay
2007	7.24	7.98	8.61	8	CSLAP pH-BasinBay
2007	7.32	7.62	8.08	8	CSLAP pH-CrownIsl
2007	7.87	8.07	8.43	5	CSLAP pH-WernerBay
2007	7.07	7.83	8.42	8	CSLAP pH-NWBay
2007	7.46	7.81	8.21	7	CSLAP pH-HewlittsLnd
2007	7.14	8.03	8.54	8	CSLAP pH-GullBay
2007	7.00	7.81	8.70	6	CSLAP pH-HeartsBay
2006	7.93	8.34	9.16	6	CSLAP pH-DiamondIsl
2006	6.93	7.71	8.42	8	CSLAP pH-BasinBay
2006	7.50	7.80	8.02	3	CSLAP pH-HewlittsLnd
2006	6.83	7.50	8.05	5	CSLAP pH-HeartsBay
2005	7.49	7.82	8.27	5	CSLAP pH-LGVillage
2005	7.10	8.08	8.91	4	CSLAP pH-DiamondIsl
2005	6.65	7.52	8.00	8	CSLAP pH-BasinBay
2005	7.34	7.59	7.81	6	CSLAP pH-CrownIsl
2005	7.78	7.78	7.78	1	CSLAP pH-HewlittsLnd
2005	7.60	7.64	7.68	2	CSLAP pH-HeartsBay
2004	6.54	7.33	8.16	8	CSLAP pH-LGVillage
2004	7.38	7.60	7.83	6	CSLAP pH-DiamondIsl
2004	6.60	7.46	8.40	8	CSLAP pH-BasinBay
2004	7.02	7.03	7.04	2	CSLAP pH-PilotKnob
2004	6.85	7.68	8.51	2	CSLAP pH-CrownIsl
2004	7.96	8.23	8.65	3	CSLAP pH-HewlittsLnd
Year	Min	Avg	Max	N	Parameter
2004-07	**34**	**110**	**327**	**143**	**CSLAP Cond25**
2007	122	126	130	2	CSLAP Cond25-LGVillage
2007	83	105	123	8	CSLAP Cond25-DiamondIsl
2007	90	109	136	8	CSLAP Cond25-HarrisBay
2007	89	110	129	8	CSLAP Cond25-BasinBay
2007	99	121	153	8	CSLAP Cond25-CrownIsl
2007	67	98	144	5	CSLAP Cond25-WernerBay
2007	91	115	177	8	CSLAP Cond25-NWBay
2007	77	110	134	7	CSLAP Cond25-HewlittsLnd
2007	66	131	327	8	CSLAP Cond25-GullBay
2007	90	100	121	6	CSLAP Cond25-HeartsBay
2006	79	93	105	6	CSLAP Cond25-DiamondIsl
2006	59	109	135	8	CSLAP Cond25-BasinBay
2006	59	92	116	3	CSLAP Cond25-HewlittsLnd
2006	79	98	120	5	CSLAP Cond25-HeartsBay

TABLE 2: CSLAP Data Summary for Lake George (cont)

Year	Min	Avg	Max	N	Parameter
2004-07	**34**	**110**	**327**	**143**	**CSLAP Cond25**
2005	75	113	135	4	CSLAP Cond25-LGVillage
2005	78	114	134	3	CSLAP Cond25-DiamondIsl
2005	75	107	123	8	CSLAP Cond25-BasinBay
2005	100	112	119	5	CSLAP Cond25-CrownIsl
2005	116	116	116	1	CSLAP Cond25-HewlittsLnd
2005	102	107	112	2	CSLAP Cond25-HeartsBay
2004	92	118	146	8	CSLAP Cond25-LGVillage
2004	96	115	132	6	CSLAP Cond25-DiamondIsl
2004	34	106	133	8	CSLAP Cond25-BasinBay
2004	85	99	112	2	CSLAP Cond25-PilotKnob
2004	101	115	127	3	CSLAP Cond25-CrownIsl
2004	96	99	104	3	CSLAP Cond25-HewlittsLnd
Year	Min	Avg	Max	N	Parameter
2004-07	**5.1**	**11.7**	**16.5**	**38**	**CSLAP Ca**
2007	11.7	11.7	11.7	1	CSLAP Ca-LGVillage
2007	11.0	11.3	11.5	2	CSLAP Ca-DiamondIsl
2007	11.1	11.8	12.5	2	CSLAP Ca-HarrisBay
2007	11.7	12.0	12.3	2	CSLAP Ca-BasinBay
2007	11.7	11.9	12.2	2	CSLAP Ca-CrownIsl
2007	11.9	11.9	11.9	1	CSLAP Ca-WernerBay
2007	10.9	11.5	12.1	2	CSLAP Ca-NWBay
2007	12.4	12.5	12.6	2	CSLAP Ca-HewlittsLnd
2007	10.4	11.4	12.4	2	CSLAP Ca-GullBay
2007	11.7	12.1	12.4	2	CSLAP Ca-HeartsBay
2006	9.8	11.3	12.9	2	CSLAP Ca-DiamondIsl
2006	9.4	10.5	11.6	2	CSLAP Ca-BasinBay
2006	7.0	7.0	7.0	1	CSLAP Ca-HewlittsLnd
2006	10.8	10.8	10.8	2	CSLAP Ca-HeartsBay
2005	12.4	12.4	12.4	1	CSLAP Ca-LGVillage
2005	11.6	11.6	11.6	1	CSLAP Ca-DiamondIsl
2005	11.1	11.5	11.8	2	CSLAP Ca-BasinBay
2005				0	CSLAP Ca-PilotKnob
2005	12.1	12.1	12.1	1	CSLAP Ca-CrownIsl
2005	13.0	13.0	13.0	1	CSLAP Ca-HewlittsLnd
2005	5.1	5.1	5.1	1	CSLAP Ca-HeartsBay
2004	13.7	15.1	16.5	2	CSLAP Ca-LGVillage
2004	12.6	13.3	13.9	2	CSLAP Ca-DiamondIsl
2004	13.2	13.2	13.2	1	CSLAP Ca-BasinBay
2004				0	CSLAP Ca-PilotKnob
2004	12.2	12.2	12.2	1	CSLAP Ca-CrownIsl
2004				0	CSLAP Ca-HewlittsLnd

TABLE 2: CSLAP Data Summary for Lake George (cont)

Year	Min	Avg	Max	N	Parameter
2004-07	**0.01**	**0.66**	**2.60**	**139**	**CSLAP Chl.a**
2007	0.10	0.15	0.20	2	CSLAP Chl.a-LGVillage
2007	0.75	0.98	1.66	8	CSLAP Chl.a-DiamondIsl
2007	0.10	0.48	1.55	8	CSLAP Chl.a-HarrisBay
2007	0.33	0.96	1.88	7	CSLAP Chl.a-BasinBay
2007	0.10	0.17	0.38	8	CSLAP Chl.a-CrownIsl
2007	0.10	0.40	0.92	5	CSLAP Chl.a-WernerBay
2007	0.10	0.71	1.05	8	CSLAP Chl.a-NWBay
2007	0.10	0.39	0.62	7	CSLAP Chl.a-HewlittsLnd
2007	0.10	0.54	0.79	8	CSLAP Chl.a-GullBay
2007	0.10	0.36	0.92	6	CSLAP Chl.a-HeartsBay
2006	0.64	1.05	1.32	6	CSLAP Chl.a-DiamondIsl
2006	0.32	0.93	1.43	8	CSLAP Chl.a-BasinBay
2006	0.01	0.23	0.38	3	CSLAP Chl.a-HewlittsLnd
2006	0.10	0.43	0.83	5	CSLAP Chl.a-HeartsBay
2005	0.19	0.82	1.55	6	CSLAP Chl.a-LGVillage
2005	0.05	0.33	0.88	4	CSLAP Chl.a-DiamondIsl
2005	0.16	0.66	1.02	7	CSLAP Chl.a-BasinBay
2005	0.05	0.09	0.16	5	CSLAP Chl.a-CrownIsl
2005	0.41	0.44	0.46	2	CSLAP Chl.a-HewlittsLnd
2005	0.68	0.72	0.76	2	CSLAP Chl.a-HeartsBay
2004	0.20	0.97	1.70	6	CSLAP Chl.a-LGVillage
2004	0.22	1.42	2.39	5	CSLAP Chl.a-DiamondIsl
2004	0.30	1.20	2.60	7	CSLAP Chl.a-BasinBay
2004	0.50	0.50	0.50	1	CSLAP Chl.a-PilotKnob
2004	0.50	0.75	1.00	2	CSLAP Chl.a-CrownIsl
2004	0.14	0.43	0.60	3	CSLAP Chl.a-HewlittsLnd
Year	Min	Avg	Max	N	Parameter
2004-07	**1**	**1.1**	**3**	**148**	**QA**
2007	1	1.0	1	2	QA-LGVillage
2007	1	1.0	1	8	QA-DiamondIsl
2007	1	1.0	1	8	QA-HarrisBay
2007	1	1.0	1	8	QA-BasinBay
2007	1	1.0	1	8	QA-CrownIsl
2007	1	1.2	2	5	QA-WernerBay
2007	1	1.0	1	8	QA-NWBay
2007	1	1.0	1	7	QA-HewlittsLnd
2007	1	1.0	1	7	QA-GullBay
2007	1	1.0	1	6	QA-HeartsBay
2006	1	1.0	1	6	QA-DiamondIsl
2006	1	1.0	1	8	QA-BasinBay
2006	1	1.0	1	3	QA-HewlittsLnd
2006	1	1.0	1	5	QA-HeartsBay

TABLE 2: CSLAP Data Summary for Lake George (cont)

Year	Min	Avg	Max	N	Parameter
2004-07	**1**	**1.1**	**3**	**148**	**QA**
2005	2	2.5	3	4	QA-LGVillage
2005	1	1.0	1	4	QA-DiamondIsl
2005	1	1.0	1	8	QA-BasinBay
2005	1	1.0	1	6	QA-CrownIsl
2005	1	1.0	1	2	QA-HewlittsLnd
2005	1	1.0	1	4	QA-HeartsBay
2004	1	2.1	3	8	QA-LGVillage
2004	1	1.2	2	6	QA-DiamondIsl
2004	1	1.0	1	8	QA-BasinBay
2004	1	1.5	2	2	QA-PilotKnob
2004	1	1.0	1	3	QA-CrownIsl
2004	1	1.3	2	4	QA-HewlittsLnd
Year	Min	Avg	Max	N	Parameter
2004-07	**1**	**1.3**	**3**	**147**	**QB**
2007	2	2.0	2	2	QB-LGVillage
2007	1	1.0	1	8	QB-DiamondIsl
2007	1	1.0	1	8	QB-HarrisBay
2007	1	1.0	1	8	QB-BasinBay
2007	1	1.8	2	8	QB-CrownIsl
2007	1	1.2	2	5	QB-WernerBay
2007	2	2.0	2	8	QB-NWBay
2007	1	1.0	1	7	QB-HewlittsLnd
2007	1	1.0	1	7	QB-GullBay
2007	2	2.4	3	5	QB-HeartsBay
2006	1	1.0	1	6	QB-DiamondIsl
2006	1	1.0	1	8	QB-BasinBay
2006	1	1.0	1	3	QB-HewlittsLnd
2006	1	1.6	2	5	QB-HeartsBay
2005	1	2.0	3	4	QB-LGVillage
2005	1	1.0	1	4	QB-DiamondIsl
2005	1	1.0	1	8	QB-BasinBay
2005	1	1.2	2	6	QB-CrownIsl
2005	1	1.0	1	2	QB-HewlittsLnd
2005	1	1.8	3	4	QB-HeartsBay
2004	1	1.9	2	8	QB-LGVillage
2004	1	1.0	1	6	QB-DiamondIsl
2004	1	1.0	1	8	QB-BasinBay
2004	1	1.5	2	2	QB-PilotKnob
2004	1	1.0	1	3	QB-CrownIsl
2004	1	1.0	1	4	QB-HewlittsLnd

TABLE 2: CSLAP Data Summary for Lake George (cont)

Year	Min	Avg	Max	N	Parameter
2004-07	**1**	**1.2**	**3**	**147**	**QC**
2007	1	1.0	1	2	QC-LGVillage
2007	1	1.0	1	8	QC-DiamondIsl
2007	1	1.0	1	8	QC-HarrisBay
2007	1	1.0	1	8	QC-BasinBay
2007	1	1.1	2	8	QC-CrownIsl
2007	1	1.0	1	5	QC-WernerBay
2007	1	1.0	1	8	QC-NWBay
2007	1	1.3	3	7	QC-HewlittsLnd
2007	1	1.1	2	7	QC-GullBay
2007	1	1.0	1	6	QC-HeartsBay
2006	1	1.0	1	5	QC-DiamondIsl
2006	1	1.0	1	8	QC-BasinBay
2006	1	1.0	1	3	QC-HewlittsLnd
2006	1	1.0	1	5	QC-HeartsBay
2005	2	2.5	3	4	QC-LGVillage
2005	1	1.3	2	4	QC-DiamondIsl
2005	1	1.0	1	8	QC-BasinBay
2005	1	1.0	1	6	QC-CrownIsl
2005	1	1.0	1	2	QC-HewlittsLnd
2005	1	1.0	1	4	QC-HeartsBay
2004	1	2.3	3	8	QC-LGVillage
2004	1	1.2	2	6	QC-DiamondIsl
2004	1	1.0	1	8	QC-BasinBay
2004	1	1.0	1	2	QC-PilotKnob
2004	1	1.0	1	3	QC-CrownIsl
2004	1	1.3	2	4	QC-HewlittsLnd

- **Statistical analyses**. True assessments of water-quality trends and comparison to other lakes involve rigid statistical analyses. Such analyses are generally beyond the scope of this program, in part due to limitations on the time available to summarize data from nearly 100 lakes in the five months from data receipt to the next sampling season. This may be due in part to the inevitable inter-lake inconsistencies in sampling dates from year to year and in part to the limited scope of monitoring. Where appropriate, some statistical summaries, utilizing both parametric and non-parametric statistics, have been provided within the report (primarily in Table 2).

- **Mean versus Median.** Much of the water-quality summary data presented in this report is reported as the mean, or the average of all of the readings in the period in question (summer, annual, year to year). However, while mean remains one of the most useful, and often most powerful, ways to estimate the most typical reading for many of the measured water-quality indicators, it is a less useful and perhaps misleading estimate when the data are not "normally" distributed (most common readings in the middle of the range of all readings, with readings less common toward the end of the range).

  In particular, comparisons of one lake to another, such as comparisons within a particular basin, can be greatly affected by the spread of the data across the range of all readings.

For example, the average phosphorus level of nine lakes with very low readings (say 10 µg/l) and one lake with very high readings (say 110 µg/l) could be much higher (in this case, 20 µg/l) than in the "typical lake" in this set of lakes (much closer to 10 µg/l). In this case, median, or the middle reading in the range, is probably the most accurate representation of "typical". This report will include the use of both mean and median to evaluate "central tendency," or the most typical reading, for the indicator in question. In most cases, "mean" is used most often to estimate central tendency. However, where noted, "median" may also be used.

TABLE 3a- Current and Historical Data Summaries for Lake George
LG Village (Site 1) Eutrophication Indicators

Parameter	Year	Minimum	Average	Maximum
Zsd	2007	6.80	6.85	6.90
(meters)	All Years	5.15	6.78	9.30
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Phosphorus	2007	0.006	0.007	0.007
(mg/l)	All Years	0.004	0.009	0.020
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Chl.a	2007	0.10	0.15	0.20
(µg/l)	All Years	0.10	0.79	1.70

Parameter	Year	Was 2007 Clarity the Highest or Lowest on Record?	Was 2007 a Typical Year?	Trophic Category	Zsd Changing?	% Samples Violating DOH Beach Std?+
Zsd	2007	Within Normal Range	Yes	Oligotrophic	No	0
(meters)	All Years			Oligotrophic		0
Parameter	**Year**	**Was 2007 TP the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**TP Changing?**	**% Samples Exceeding TP Guidance Value**
Phosphorus	2007	Within Normal Range	Yes	Oligotrophic	No	0
(mg/l)	All Years			Oligotrophic		7
Parameter	**Year**	**Was 2007 Algae the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**Chl.a Changing?**	
Chl.a	2007	Lowest at Times	Yes	Oligotrophic	No	
(µg/l)	All Years			Oligotrophic		

Minimum allowable water clarity for siting a new NYS swimming beach = 1.2 meters
NYS Total Phosphorus Guidance Value for Class B and Higher Lakes = 0.020 mg/l

TABLE 3b- Current and Historical Data Summaries for Lake George
Diamond Island (Site 2) Eutrophication Indicators

Parameter	Year	Minimum	Average	Maximum
Zsd	2007	6.50	7.70	9.50
(meters)	All Years	6.25	7.60	9.50
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Phosphorus	2007	0.005	0.007	0.008
(mg/l)	All Years	0.003	0.008	0.014
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Chl.a	2007	0.75	0.98	1.66
(µg/l)	All Years	0.05	0.98	2.39

Parameter	Year	Was 2007 Clarity the Highest or Lowest on Record?	Was 2007 a Typical Year?	Trophic Category	Zsd Changing?	% Samples Violating DOH Beach Std?+
Zsd	2007	Highest at Times	Yes	Oligotrophic	No	0
(meters)	All Years			Oligotrophic		0
Parameter	**Year**	**Was 2007 TP the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**TP Changing?**	**% Samples Exceeding TP Guidance Value**
Phosphorus	2007	Within Normal Range	Yes	Oligotrophic	No	0
(mg/l)	All Years			Oligotrophic		0
Parameter	**Year**	**Was 2007 Algae the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**Chl.a Changing?**	
Chl.a	2007	Within Normal Range	Yes	Oligotrophic	No	
(µg/l)	All Years			Oligotrophic		

Minimum allowable water clarity for siting a new NYS swimming beach = 1.2 meters
NYS Total Phosphorus Guidance Value for Class B and Higher Lakes = 0.020 mg/l

TABLE 3c- Current and Historical Data Summaries for Lake George
Harris Bay (Site 3) Eutrophication Indicators

Parameter	Year	Minimum	Average	Maximum
Zsd	2007	6.05	7.33	8.73
(meters)	All Years	6.05	7.33	8.73
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Phosphorus	2007	0.004	0.007	0.013
(mg/l)	All Years	0.004	0.007	0.013
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Chl.a	2007	0.10	0.48	1.55
(µg/l)	All Years	0.10	0.48	1.55

Parameter	Year	Was 2007 Clarity the Highest or Lowest on Record?	Was 2007 a Typical Year?	Trophic Category	Zsd Changing?	% Samples Violating DOH Beach Std?+
Zsd	2007	Both Highest and Lowest at Times	Not yet known	Oligotrophic	Not yet known	0
(meters)	All Years			Oligotrophic		0
Parameter	**Year**	**Was 2007 TP the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**TP Changing?**	**% Samples Exceeding TP Guidance Value**
Phosphorus	2007	Both Highest and Lowest at Times	Not yet known	Oligotrophic	Not yet known	0
(mg/l)	All Years			Oligotrophic		0
Parameter	**Year**	**Was 2007 Algae the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**Chl.a Changing?**	
Chl.a	2007	Both Highest and Lowest at Times	Not yet known	Oligotrophic	Not yet known	
(µg/l)	All Years			Oligotrophic		

Minimum allowable water clarity for siting a new NYS swimming beach = 1.2 meters
NYS Total Phosphorus Guidance Value for Class B and Higher Lakes = 0.020 mg/l

TABLE 3d- Current and Historical Data Summaries for Lake George
Basin Bay (Site 4) Eutrophication Indicators

Parameter	Year	Minimum	Average	Maximum
Zsd	2007	7.40	8.46	9.90
(meters)	All Years	5.75	7.66	9.90
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Phosphorus	2007	0.002	0.006	0.008
(mg/l)	All Years	0.002	0.007	0.023
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Chl.a	2007	0.33	0.96	1.88
(µg/l)	All Years	0.16	0.94	2.60

Parameter	Year	Was 2007 Clarity the Highest or Lowest on Record?	Was 2007 a Typical Year?	Trophic Category	Zsd Changing?	% Samples Violating DOH Beach Std?+
Zsd	2007	Highest at Times	Yes	Oligotrophic	No	0
(meters)	All Years			Oligotrophic		0
Parameter	**Year**	**Was 2007 TP the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**TP Changing?**	**% Samples Exceeding TP Guidance Value**
Phosphorus	2007	Lowest at Times	Yes	Oligotrophic	No	0
(mg/l)	All Years			Oligotrophic		6
Parameter	**Year**	**Was 2007 Algae the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**Chl.a Changing?**	
Chl.a	2007	Within Normal Range	Yes	Oligotrophic	No	
(µg/l)	All Years			Oligotrophic		

Minimum allowable water clarity for siting a new NYS swimming beach = 1.2 meters
NYS Total Phosphorus Guidance Value for Class B and Higher Lakes = 0.020 mg/l

TABLE 3e- Current and Historical Data Summaries for Lake George
Crown Island (Site 6) Eutrophication Indicators

Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Zsd	2007	8.88	10.11	12.25
(meters)	All Years	4.00	8.54	12.25
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Phosphorus	2007	0.004	0.010	0.030
(mg/l)	All Years	0.004	0.012	0.030
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Chl.a	2007	0.10	0.17	0.38
(µg/l)	All Years	0.05	0.22	1.00

Parameter	**Year**	**Was 2007 Clarity the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**Zsd Changing?**	**% Samples Violating DOH Beach Std?+**
Zsd	2007	Highest at Times	Yes	Oligotrophic	Increasing?	0
(meters)	All Years			Oligotrophic		0
Parameter	**Year**	**Was 2007 TP the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**TP Changing?**	**% Samples Exceeding TP Guidance Value**
Phosphorus	2007	Both Highest and Lowest at Times	Yes	Mesotrophic	No	13
(mg/l)	All Years			Mesotrophic		12
Parameter	**Year**	**Was 2007 Algae the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**Chl.a Changing?**	
Chl.a	2007	Within Normal Range	Yes	Oligotrophic	No	
(µg/l)	All Years			Oligotrophic		

Minimum allowable water clarity for siting a new NYS swimming beach = 1.2 meters
NYS Total Phosphorus Guidance Value for Class B and Higher Lakes = 0.020 mg/l

TABLE 3f- Current and Historical Data Summaries for Lake George
Werner Bay (Site 7) Eutrophication Indicators

Parameter	Year	Minimum	Average	Maximum
Zsd	2007	5.55	6.61	7.25
(meters)	All Years	5.55	6.61	7.25
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Phosphorus	2007	0.005	0.006	0.007
(mg/l)	All Years	0.005	0.006	0.007
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Chl.a	2007	0.10	0.40	0.92
(µg/l)	All Years	0.10	0.40	0.92

Parameter	Year	Was 2007 Clarity the Highest or Lowest on Record?	Was 2007 a Typical Year?	Trophic Category	Zsd Changing?	% Samples Violating DOH Beach Std?+
Zsd	2007	Both Highest and Lowest at Times	Not yet known	Oligotrophic	Not yet known	0
(meters)	All Years			Oligotrophic		0
Parameter	**Year**	**Was 2007 TP the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**TP Changing?**	**% Samples Exceeding TP Guidance Value**
Phosphorus	2007	Both Highest and Lowest at Times	Not yet known	Mesotrophic	Not yet known	0
(mg/l)	All Years			Mesotrophic		0
Parameter	**Year**	**Was 2007 Algae the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**Chl.a Changing?**	
Chl.a	2007	Both Highest and Lowest at Times	Not yet known	Oligotrophic	Not yet known	
(µg/l)	All Years			Oligotrophic		

Minimum allowable water clarity for siting a new NYS swimming beach = 1.2 meters
NYS Total Phosphorus Guidance Value for Class B and Higher Lakes = 0.020 mg/l

TABLE 3g- Current and Historical Data Summaries for Lake George
Northwest Bay (Site 11) Eutrophication Indicators

Parameter	Year	Minimum	Average	Maximum
Zsd	2007	8.25	10.17	11.95
(meters)	All Years	8.25	10.17	11.95
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Phosphorus	2007	0.006	0.011	0.024
(mg/l)	All Years	0.006	0.011	0.024
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Chl.a	2007	0.10	0.71	1.05
(µg/l)	All Years	0.10	0.71	1.05

Parameter	Year	Was 2007 Clarity the Highest or Lowest on Record?	Was 2007 a Typical Year?	Trophic Category	Zsd Changing?	% Samples Violating DOH Beach Std?+
Zsd	2007	Both Highest and Lowest at Times	Not yet known	Oligotrophic	Not yet known	0
(meters)	All Years			Oligotrophic		0
Parameter	**Year**	**Was 2007 TP the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**TP Changing?**	**% Samples Exceeding TP Guidance Value**
Phosphorus	2007	Both Highest and Lowest at Times	Not yet known	Mesotrophic	Not yet known	13
(mg/l)	All Years			Mesotrophic		13
Parameter	**Year**	**Was 2007 Algae the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**Chl.a Changing?**	
Chl.a	2007	Both Highest and Lowest at Times	Not yet known	Oligotrophic	Not yet known	
(µg/l)	All Years			Oligotrophic		

Minimum allowable water clarity for siting a new NYS swimming beach = 1.2 meters
NYS Total Phosphorus Guidance Value for Class B and Higher Lakes = 0.020 mg/l

TABLE 3h- Current and Historical Data Summaries for Lake George
Hewlett's Landing (Site 21) Eutrophication Indicators

Parameter	Year	Minimum	Average	Maximum
Zsd	2007	7.25	8.75	10.45
(meters)	All Years	7.25	8.86	10.72
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Phosphorus	2007	0.003	0.004	0.005
(mg/l)	All Years	0.002	0.004	0.007
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Chl.a	2007	0.10	0.39	0.62
(µg/l)	All Years	0.01	0.37	0.62

Parameter	Year	Was 2007 Clarity the Highest or Lowest on Record?	Was 2007 a Typical Year?	Trophic Category	Zsd Changing?	% Samples Violating DOH Beach Std?+
Zsd	2007	Lowest at Times	Yes	Oligotrophic	No	0
(meters)	All Years			Oligotrophic		0
Parameter	**Year**	**Was 2007 TP the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**TP Changing?**	**% Samples Exceeding TP Guidance Value**
Phosphorus	2007	Within Normal Range	Yes	Oligotrophic	No	0
(mg/l)	All Years			Oligotrophic		0
Parameter	**Year**	**Was 2007 Algae the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**Chl.a Changing?**	
Chl.a	2007	Highest at Times	Yes	Oligotrophic	No	
(µg/l)	All Years			Oligotrophic		

Minimum allowable water clarity for siting a new NYS swimming beach = 1.2 meters
NYS Total Phosphorus Guidance Value for Class B and Higher Lakes = 0.020 mg/l

TABLE 3i- Current and Historical Data Summaries for Lake George
Gull Bay (Site 23) Eutrophication Indicators

Parameter	Year	Minimum	Average	Maximum
Zsd	2007	7.35	10.01	12.25
(meters)	All Years	7.35	10.01	12.25
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Phosphorus	2007	0.003	0.005	0.007
(mg/l)	All Years	0.003	0.005	0.007
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Chl.a	2007	0.10	0.54	0.79
(µg/l)	All Years	0.10	0.54	0.79

Parameter	Year	Was 2007 Clarity the Highest or Lowest on Record?	Was 2007 a Typical Year?	Trophic Category	Zsd Changing?	% Samples Violating DOH Beach Std?+
Zsd	2007	Both Highest and Lowest at Times	Not yet known	Oligotrophic	Not yet known	0
(meters)	All Years			Oligotrophic		0
Parameter	**Year**	**Was 2007 TP the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**TP Changing?**	**% Samples Exceeding TP Guidance Value**
Phosphorus	2007	Both Highest and Lowest at Times	Not yet known	Oligotrophic	Not yet known	0
(mg/l)	All Years			Oligotrophic		0
Parameter	**Year**	**Was 2007 Algae the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**Chl.a Changing?**	
Chl.a	2007	Both Highest and Lowest at Times	Not yet known	Oligotrophic	Not yet known	
(µg/l)	All Years			Oligotrophic		

Minimum allowable water clarity for siting a new NYS swimming beach = 1.2 meters
NYS Total Phosphorus Guidance Value for Class B and Higher Lakes = 0.020 mg/l

TABLE 3j- Current and Historical Data Summaries for Lake George
Hearts Bay (Site 24) Eutrophication Indicators

Parameter	Year	Minimum	Average	Maximum
Zsd	2007	8.00	8.17	9.00
(meters)	All Years	7.50	8.24	9.00
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Phosphorus	2007	0.007	0.009	0.011
(mg/l)	All Years	0.004	0.010	0.017
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Chl.a	2007	0.10	0.36	0.92
(µg/l)	All Years	0.10	0.44	0.92

Parameter	Year	Was 2007 Clarity the Highest or Lowest on Record?	Was 2007 a Typical Year?	Trophic Category	Zsd Changing?	% Samples Violating DOH Beach Std?+
Zsd	2007	Highest at Times	Yes	Oligotrophic	No	0
(meters)	All Years			Oligotrophic		0
Parameter	**Year**	**Was 2007 TP the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**TP Changing?**	**% Samples Exceeding TP Guidance Value**
Phosphorus	2007	Within Normal Range	Yes	Oligotrophic	No	0
(mg/l)	All Years			Mesotrophic		0
Parameter	**Year**	**Was 2007 Algae the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Trophic Category**	**Chl.a Changing?**	
Chl.a	2007	Both Highest and Lowest at Times	Yes	Oligotrophic	No	
(µg/l)	All Years			Oligotrophic		

Minimum allowable water clarity for siting a new NYS swimming beach = 1.2 meters
NYS Total Phosphorus Guidance Value for Class B and Higher Lakes = 0.020 mg/l

Discussion

The CSLAP dataset usually indicates that Lake George is an *oligotrophic*, or highly unproductive lake. Water clarity readings are among the highest recorded in any CSLAP lakes, due to algae and nutrient levels that are extremely low at each of the CSLAP sampling sites. Water transparency readings are generally higher in the northern sites than in the southern sites, consistent with slightly lower nutrient (phosphorus) readings. Algae levels, as measured by chlorophyll *a*, are consistently low at all CSLAP sampling sites in south, mid, and north Lake George. None of these sites have exhibited any measurable change since 2004, although any changes have been difficult to evaluate due to the differences in sampling sites from year to year.

There continues to be only a weak correlation between changes in algae and nutrients, although a moderately strong correlation exists between changes in algae and water clarity. However, it is likely that any management activities driven by the desire to maintain water transparency readings will require controlling algae levels, which in turn will require addressing nutrient loading to the lake. The low lake productivity suggests that these nutrient management efforts have been successful, although Lake George no doubt continues to benefit from a very large lake volume relative to the amount of runoff entering the lake.

Lake productivity is fairly stable during the summer, consistent with hypolimnetic (deepwater) phosphorus readings nearly identical to those measured at the lake surface. This suggests that deepwater oxygen levels are probably high throughout the summer. The productivity of the Diamond Island site appears to increase slightly during the summer; the productivity of other Lake George sites does not change seasonally in any statistically significant way.

Surface phosphorus readings consistently fall below the state guidance value for lakes used for contact recreation (swimming), and Secchi disk transparency readings consistently exceed the minimum recommended water clarity for swimming beaches (= 1.2 meters). This occurs at all CSLAP sampling sites.

TABLE 4a- Current and Historical Data Summaries for Lake George (cont.)
LG Village (Site 1)- Other Water-Quality Indicators

Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Nitrate	2007	0.00	0.01	0.01
(mg/l)	All Years	0.00	0.02	0.09
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
NH4	2007	0.00	0.01	0.01
(mg/l)	All Years	0.00	0.01	0.02
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
TDN	2007	0.16	0.21	0.27
(mg/l)	All Years	0.06	0.28	0.85
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
True Color	2007	3	5	6
(ptu)	All Years	1	7	34
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
pH	2007	7.70	7.88	8.06
(std units)	All Years	6.54	7.57	8.27
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Conductivity	2007	122	126	130
(µmho/cm)	All Years	48	113	146
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Calcium	2007	11.7	11.7	11.7
(mg/l)	All Years	11.7	13.6	16.5

TABLE 4a- Current and Historical Data Summaries for Lake George (cont.)
LG Village (Site 1)- Other Water-Quality Indicators (cont)

Parameter	Year	Was 2007 Nitrate the Highest or Lowest on Record?	Was 2007 a Typical Year?	Nitrate High?	Nitrate Changing?	% Samples Exceeding NO3 Standard	
Nitrate	2007	Lowest at Times	Yes	No	No	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 NH4 the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**NH4 High?**	**NH4 Changing?**	**% Samples Exceeding NH4 Standard**	
NH4	2007	Lowest at Times	Yes	No	Yes	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 TDN the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**TDN High?**	**TDN Changing?**	**Ratios of TN/TP Indicate P or N Limitation?**	
TDN	2007	Within Normal Range	Yes	No	No	P Limitation	
(mg/l)	All Years			No		P Limitation	
Parameter	**Year**	**Was 2007 Color the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Colored Lake?**	**Color Changing?**		
True Color	2007	Within Normal Range	Yes	No	Yes		
(ptu)	All Years			No			
Parameter	**Year**	**Was 2007 pH the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Acceptable Range?**	**pH Changing?**	**% Samples > Upper pH Standard**	**% Samples < Lower pH Standard**
pH	2007	Within Normal Range	Yes	Yes	Yes	0	0
(std units)	All Years			Yes		0	0
Parameter	**Year**	**Was 2007 Conductivity Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Relative Hardness**	**Conduct. Changing?**		
Conductivity	2007	Within Normal Range	Yes	Intermediate	No		
(µmho/cm)	All Years			Softwater			
Parameter	**Year**	**Was 2007 Calcium Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Support Zebra Mussels?**	**Calcium Changing?**		
Calcium	2007	Lowest at Times	Yes	Uncertain	Yes		
(mg/l)	All Years			Yes			

NYS Nitrate standard = 10 mg/l
NYS Ammonia standard = 2 mg/l (as NH_3-NH_4)
NYS pH standard- 6.5 < acceptable pH < 8.5

TABLE 4b- Current and Historical Data Summaries for Lake George (cont.)
Diamond Island (Site 2)- Other Water-Quality Indicators

Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Nitrate	2007	0.00	0.01	0.02
(mg/l)	All Years	0.00	0.01	0.02
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
NH4	2007	0.01	0.09	0.67
(mg/l)	All Years	0.01	0.04	0.67
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
TDN	2007	0.26	0.34	0.63
(mg/l)	All Years	0.10	0.33	0.63
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
True Color	2007	2	6	10
(ptu)	All Years	0	9	33
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
pH	2007	7.26	8.28	9.22
(std units)	All Years	7.10	8.09	9.22
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Conductivity	2007	83	105	123
(µmho/cm)	All Years	38	103	134
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Calcium	2007	11.0	11.3	11.5
(mg/l)	All Years	9.8	11.9	13.9

TABLE 4b- Current and Historical Data Summaries for Lake George (cont.)
Diamond Island (Site 2)- Other Water-Quality Indicators (cont)

Parameter	Year	Was 2007 Nitrate the Highest or Lowest on Record?	Was 2007 a Typical Year?	Nitrate High?	Nitrate Changing?	% Samples Exceeding NO3 Standard	
Nitrate	2007	Both Highest and Lowest at Times	Yes	No	No	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 NH4 the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**NH4 High?**	**NH4 Changing?**	**% Samples Exceeding NH4 Standard**	
NH4	2007	Highest at Times	Yes	No	No	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 TDN the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**TDN High?**	**TDN Changing?**	**Ratios of TN/TP Indicate P or N Limitation?**	
TDN	2007	Highest at Times	Yes	No	No	P Limitation	
(mg/l)	All Years			No		P Limitation	
Parameter	**Year**	**Was 2007 Color the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Colored Lake?**	**Color Changing?**		
True Color	2007	Within Normal Range	Yes	No	No		
(ptu)	All Years			No			
Parameter	**Year**	**Was 2007 pH the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Acceptable Range?**	**pH Changing?**	**% Samples > Upper pH Standard**	**% Samples < Lower pH Standard**
pH	2007	Highest at Times	Yes	Yes	Yes	38	0
(std units)	All Years			Yes		29	0
Parameter	**Year**	**Was 2007 Conductivity Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Relative Hardness**	**Conductivity Changing?**		
Conductivity	2007	Within Normal Range	Yes	Softwater	No		
(µmho/cm)	All Years			Softwater			
Parameter	**Year**	**Was 2007 Calcium Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Support Zebra Mussels?**	**Calcium Changing?**		
Calcium	2007	Within Normal Range	Yes	Uncertain	Yes		
(mg/l)	All Years			Uncertain			

NYS Nitrate standard = 10 mg/l
NYS Ammonia standard = 2 mg/l (as NH_3-NH_4)
NYS pH standard- 6.5 < acceptable pH < 8.5

TABLE 4c- Current and Historical Data Summaries for Lake George (cont.)
Harris Bay (Site 3)- Other Water-Quality Indicators

Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Nitrate	2007	0.00	0.01	0.02
(mg/l)	All Years	0.00	0.01	0.02
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
NH4	2007	0.01	0.01	0.01
(mg/l)	All Years	0.01	0.01	0.01
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
TDN	2007	0.23	0.38	0.54
(mg/l)	All Years	0.23	0.38	0.54
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
True Color	2007	1	5	7
(ptu)	All Years	1	5	7
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
pH	2007	7.32	7.77	8.26
(std units)	All Years	7.32	7.77	8.26
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Conductivity	2007	90	109	136
(µmho/cm)	All Years	90	109	136
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Calcium	2007	11.1	11.8	12.5
(mg/l)	All Years	11.1	11.8	12.5

TABLE 4c- Current and Historical Data Summaries for Lake George (cont.)
Harris Bay (Site 3)- Other Water-Quality Indicators (cont)

Parameter	Year	Was 2007 Nitrate the Highest or Lowest on Record?	Was 2007 a Typical Year?	Nitrate High?	Nitrate Changing?	% Samples Exceeding NO3 Standard	
Nitrate	2007	Both Highest and Lowest at Times	Not yet known	No	Not yet known	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 NH4 the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**NH4 High?**	**NH4 Changing?**	**% Samples Exceeding NH4 Standard**	
NH4	2007	Both Highest and Lowest at Times	Not yet known	No	Not yet known	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 TDN the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**TDN High?**	**TDN Changing?**	**Ratios of TN/TP Indicate P or N Limitation?**	
TDN	2007	Both Highest and Lowest at Times	Not yet known	No	Not yet known	P Limitation	
(mg/l)	All Years			No		P Limitation	
Parameter	**Year**	**Was 2007 Color the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Colored Lake?**	**Color Changing?**		
True Color	2007	Both Highest and Lowest at Times	Not yet known	No	Not yet known		
(ptu)	All Years			No			
Parameter	**Year**	**Was 2007 pH the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Acceptable Range?**	**pH Changing?**	**% Samples > Upper pH Standard**	**% Samples < Lower pH Standard**
pH	2007	Both Highest and Lowest at Times	Not yet known	Yes	Not yet known	0	0
(std units)	All Years			Yes		0	0
Parameter	**Year**	**Was 2007 Conductivity Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Relative Hardness**	**Conduct. Changing?**		
Conductivity	2007	Both Highest and Lowest at Times	Not yet known	Softwater	Not yet known		
(µmho/cm)	All Years			Softwater			
Parameter	**Year**	**Was 2007 Calcium Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Support Zebra Mussels?**	**Calcium Changing?**		
Calcium	2007	Both Highest and Lowest at Times	Not yet known	Uncertain	Not yet known		
(mg/l)	All Years			Uncertain			

NYS Nitrate standard = 10 mg/l
NYS Ammonia standard = 2 mg/l (as NH_3-NH_4)
NYS pH standard- 6.5 < acceptable pH < 8.5

TABLE 4d- Current and Historical Data Summaries for Lake George (cont.)
Basin Bay (Site 3)- Other Water-Quality Indicators

Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Nitrate	2007	0.00	0.01	0.02
(mg/l)	All Years	0.00	0.01	0.04
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
NH4	2007	0.01	0.02	0.04
(mg/l)	All Years	0.01	0.02	0.13
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
TDN	2007	0.27	0.49	1.44
(mg/l)	All Years	0.01	0.35	1.44
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
True Color	2007	5	10	15
(ptu)	All Years	1	7	22
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
pH	2007	7.24	7.98	8.61
(std units)	All Years	6.60	7.67	8.61
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Conductivity	2007	89	110	129
(µmho/cm)	All Years	34	108	135
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Calcium	2007	11.7	12.0	12.3
(mg/l)	All Years	9.4	11.6	13.2

TABLE 4d- Current and Historical Data Summaries for Lake George (cont.)
Basin Bay (Site 4)- Other Water-Quality Indicators (cont)

Parameter	Year	Was 2007 Nitrate the Highest or Lowest on Record?	Was 2007 a Typical Year?	Nitrate High?	Nitrate Changing?	% Samples Exceeding NO3 Standard	
Nitrate	2007	Within Normal Range	Yes	No	No	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 NH4 the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**NH4 High?**	**NH4 Changing?**	**% Samples Exceeding NH4 Standard**	
NH4	2007	Within Normal Range	Yes	No	No	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 TDN the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**TDN High?**	**TDN Changing?**	**Ratios of TN/TP Indicate P or N Limitation?**	
TDN	2007	Highest at Times	Yes	No	No	P Limitation	
(mg/l)	All Years			No		P Limitation	
Parameter	**Year**	**Was 2007 Color the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Colored Lake?**	**Color Changing?**		
True Color	2007	Within Normal Range	Yes	No	Increasing?		
(ptu)	All Years			No			
Parameter	**Year**	**Was 2007 pH the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Acceptable Range?**	**pH Changing?**	**% Samples > Upper pH Standard**	**% Samples < Lower pH Standard**
pH	2007	Highest at Times	Yes	Yes	Yes	13	0
(std units)	All Years			Yes		3	0
Parameter	**Year**	**Was 2007 Conductivity Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Relative Hardness**	**Conduct. Changing?**		
Conductivity	2007	Within Normal Range	Yes	Softwater	No		
(µmho/cm)	All Years			Softwater			
Parameter	**Year**	**Was 2007 Calcium Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Support Zebra Mussels?**	**Calcium Changing?**		
Calcium	2007	Within Normal Range	Yes	Uncertain	No		
(mg/l)	All Years			Uncertain			

NYS Nitrate standard = 10 mg/l
NYS Ammonia standard = 2 mg/l (as NH_3-NH_4)
NYS pH standard- 6.5 < acceptable pH < 8.5

TABLE 4e- Current and Historical Data Summaries for Lake George (cont.)
Crown Island (Site 6)- Other Water-Quality Indicators

Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Nitrate	2007	0.00	0.01	0.03
(mg/l)	All Years	0.00	0.01	0.05
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
NH4	2007	0.01	0.01	0.02
(mg/l)	All Years	0.01	0.03	0.33
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
TDN	2007	0.26	0.37	0.51
(mg/l)	All Years	0.16	0.34	1.04
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
True Color	2007	5	12	39
(ptu)	All Years	1	8	39
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
pH	2007	7.32	7.62	8.08
(std units)	All Years	6.85	7.62	8.51
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Conductivity	2007	99	121	153
(µmho/cm)	All Years	99	122	203
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Calcium	2007	11.7	11.9	12.2
(mg/l)	All Years	11.7	12.0	12.2

TABLE 4e- Current and Historical Data Summaries for Lake George (cont.)
Crown Island (Site 6)- Other Water-Quality Indicators (cont)

Parameter	Year	Was 2007 Nitrate the Highest or Lowest on Record?	Was 2007 a Typical Year?	Nitrate High?	Nitrate Changing?	% Samples Exceeding NO3 Standard	
Nitrate	2007	Lowest at Times	Yes	No	No	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 NH4 the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**NH4 High?**	**NH4 Changing?**	**% Samples Exceeding NH4 Standard**	
NH4	2007	Within Normal Range	Yes	No	No	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 TDN the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**TDN High?**	**TDN Changing?**	**Ratios of TN/TP Indicate P or N Limitation?**	
TDN	2007	Within Normal Range	Yes	No	Yes	P Limitation	
(mg/l)	All Years			No		P Limitation	
Parameter	**Year**	**Was 2007 Color the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Colored Lake?**	**Color Changing?**		
True Color	2007	Highest at Times	Yes	No	No		
(ptu)	All Years			No			
Parameter	**Year**	**Was 2007 pH the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Acceptable Range?**	**pH Changing?**	**% Samples > Upper pH Standard**	**% Samples < Lower pH Standard**
pH	2007	Within Normal Range	Yes	Yes	Yes	0	0
(std units)	All Years			Yes		6	0
Parameter	**Year**	**Was 2007 Conductivity Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Relative Hardness**	**Conductivity Changing?**		
Conductivity	2007	Lowest at Times	Yes	Softwater	No		
(µmho/cm)	All Years			Softwater			
Parameter	**Year**	**Was 2007 Calcium Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Support Zebra Mussels?**	**Calcium Changing?**		
Calcium	2007	Both Highest and Lowest at Times	Yes	Uncertain	Yes		
(mg/l)	All Years			Yes			

NYS Nitrate standard = 10 mg/l
NYS Ammonia standard = 2 mg/l (as NH_3-NH_4)
NYS pH standard- 6.5 < acceptable pH < 8.5

TABLE 4f- Current and Historical Data Summaries for Lake George (cont.)
Werner Bay (Site 7)- Other Water-Quality Indicators

Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Nitrate	2007	0.01	0.01	0.04
(mg/l)	All Years	0.01	0.01	0.04
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
NH4	2007	0.01	0.03	0.06
(mg/l)	All Years	0.01	0.03	0.06
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
TDN	2007	0.24	0.40	0.72
(mg/l)	All Years	0.24	0.40	0.72
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
True Color	2007	5	8	11
(ptu)	All Years	5	8	11
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
pH	2007	7.87	8.07	8.43
(std units)	All Years	7.87	8.07	8.43
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Conductivity	2007	67	98	144
(µmho/cm)	All Years	67	98	144
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Calcium	2007	11.9	11.9	11.9
(mg/l)	All Years	11.9	11.9	11.9

TABLE 4f- Current and Historical Data Summaries for Lake George (cont.)
Werner Bay (Site 7)- Other Water-Quality Indicators (cont)

Parameter	Year	Was 2007 Nitrate the Highest or Lowest on Record?	Was 2007 a Typical Year?	Nitrate High?	Nitrate Changing?	% Samples Exceeding NO3 Standard	
Nitrate	2007	Both Highest and Lowest at Times	Not yet known	No	Not yet known	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 NH4 the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**NH4 High?**	**NH4 Changing?**	**% Samples Exceeding NH4 Standard**	
NH4	2007	Both Highest and Lowest at Times	Not yet known	No	Not yet known	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 TDN the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**TDN High?**	**TDN Changing?**	**Ratios of TN/TP Indicate P or N Limitation?**	
TDN	2007	Both Highest and Lowest at Times	Not yet known	No	Not yet known	P Limitation	
(mg/l)	All Years			No		P Limitation	
Parameter	**Year**	**Was 2007 Color the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Colored Lake?**	**Color Changing?**		
True Color	2007	Both Highest and Lowest at Times	Not yet known	No	Not yet known		
(ptu)	All Years			No			
Parameter	**Year**	**Was 2007 pH the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Acceptable Range?**	**pH Changing?**	**% Samples > Upper pH Standard**	**% Samples < Lower pH Standard**
pH	2007	Both Highest and Lowest at Times	Not yet known	Yes	Not yet known	0	0
(std units)	All Years			Yes		0	0
Parameter	**Year**	**Was 2007 Conductivity Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Relative Hardness**	**Conductivity Changing?**		
Conductivity	2007	Both Highest and Lowest at Times	Not yet known	Softwater	Not yet known		
(µmho/cm)	All Years			Softwater			
Parameter	**Year**	**Was 2007 Calcium Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Support Zebra Mussels?**	**Calcium Changing?**		
Calcium	2007	Both Highest and Lowest at Times	Not yet known	Uncertain	Not yet known		
(mg/l)	All Years			Uncertain			

NYS Nitrate standard = 10 mg/l
NYS Ammonia standard = 2 mg/l (as NH_3-NH_4)
NYS pH standard- 6.5 < acceptable pH < 8.5

TABLE 4g- Current and Historical Data Summaries for Lake George (cont.)
Northwest Bay (Site 11)- Other Water-Quality Indicators

Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Nitrate	2007	0.00	0.02	0.07
(mg/l)	All Years	0.00	0.02	0.07
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
NH4	2007	0.01	0.02	0.06
(mg/l)	All Years	0.01	0.02	0.06
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
TDN	2007	0.22	0.42	0.72
(mg/l)	All Years	0.22	0.42	0.72
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
True Color	2007	5	7	9
(ptu)	All Years	5	7	9
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
pH	2007	7.07	7.83	8.42
(std units)	All Years	7.07	7.83	8.42
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Conductivity	2007	91	115	177
(µmho/cm)	All Years	91	115	177
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Calcium	2007	10.9	11.5	12.1
(mg/l)	All Years	10.9	11.5	12.1

TABLE 4g- Current and Historical Data Summaries for Lake George (cont.)
Northwest Bay (Site 11)- Other Water-Quality Indicators (cont)

Parameter	Year	Was 2007 Nitrate the Highest or Lowest on Record?	Was 2007 a Typical Year?	Nitrate High?	Nitrate Changing?	% Samples Exceeding NO3 Standard	
Nitrate	2007	Both Highest and Lowest at Times	Not yet known	No	Not yet known	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 NH4 the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**NH4 High?**	**NH4 Changing?**	**% Samples Exceeding NH4 Standard**	
NH4	2007	Both Highest and Lowest at Times	Not yet known	No	Not yet known	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 TDN the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**TDN High?**	**TDN Changing?**	**Ratios of TN/TP Indicate P or N Limitation?**	
TDN	2007	Both Highest and Lowest at Times	Not yet known	No	Not yet known	P Limitation	
(mg/l)	All Years			No		P Limitation	
Parameter	**Year**	**Was 2007 Color the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Colored Lake?**	**Color Changing?**		
True Color	2007	Both Highest and Lowest at Times	Not yet known	No	Not yet known		
(ptu)	All Years			No			
Parameter	**Year**	**Was 2007 pH the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Acceptable Range?**	**pH Changing?**	**% Samples > Upper pH Standard**	**% Samples < Lower pH Standard**
pH	2007	Both Highest and Lowest at Times	Not yet known	Yes	Not yet known	0	0
(std units)	All Years			Yes		0	0
Parameter	**Year**	**Was 2007 Conductivity Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Relative Hardness**	**Conductivity Changing?**		
Conductivity	2007	Both Highest and Lowest at Times	Not yet known	Softwater	Not yet known		
(µmho/cm)	All Years			Softwater			
Parameter	**Year**	**Was 2007 Calcium Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Support Zebra Mussels?**	**Calcium Changing?**		
Calcium	2007	Both Highest and Lowest at Times	Not yet known	Uncertain	Not yet known		
(mg/l)	All Years			Uncertain			

NYS Nitrate standard = 10 mg/l
NYS Ammonia standard = 2 mg/l (as NH_3-NH_4)
NYS pH standard- 6.5 < acceptable pH < 8.5

TABLE 4h- Current and Historical Data Summaries for Lake George (cont.)
Hewlett's Landing (Site 21)- Other Water-Quality Indicators

Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Nitrate	2007	0.00	0.01	0.04
(mg/l)	All Years	0.00	0.01	0.04
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
NH4	2007	0.01	0.02	0.07
(mg/l)	All Years	0.01	0.02	0.07
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
TDN	2007	0.32	0.39	0.52
(mg/l)	All Years	0.21	0.38	0.75
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
True Color	2007	2	5	7
(ptu)	All Years	2	5	10
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
pH	2007	7.46	7.81	8.21
(std units)	All Years	7.46	7.90	8.65
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Conductivity	2007	77	110	134
(µmho/cm)	All Years	59	104	134
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Calcium	2007	12.4	12.5	12.6
(mg/l)	All Years	7.0	11.3	13.0

TABLE 4h- Current and Historical Data Summaries for Lake George (cont.)
Hewlett's Landing (Site 21)- Other Water-Quality Indicators (cont)

Parameter	Year	Was 2007 Nitrate the Highest or Lowest on Record?	Was 2007 a Typical Year?	Nitrate High?	Nitrate Changing?	% Samples Exceeding NO3 Standard	
Nitrate	2007	Both Highest and Lowest at Times	Yes	No	No	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 NH4 the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**NH4 High?**	**NH4 Changing?**	**% Samples Exceeding NH4 Standard**	
NH4	2007	Highest at Times	Yes	No	Yes	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 TDN the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**TDN High?**	**TDN Changing?**	**Ratios of TN/TP Indicate P or N Limitation?**	
TDN	2007	Within Normal Range	Yes	No	No	P Limitation	
(mg/l)	All Years			No		P Limitation	
Parameter	**Year**	**Was 2007 Color the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Colored Lake?**	**Color Changing?**		
True Color	2007	Lowest at Times	Yes	No	No		
(ptu)	All Years			No			
Parameter	**Year**	**Was 2007 pH the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Acceptable Range?**	**pH Changing?**	**% Samples > Upper pH Standard**	**% Samples < Lower pH Standard**
pH	2007	Lowest at Times	Yes	Yes	Yes	0	0
(std units)	All Years			Yes		7	0
Parameter	**Year**	**Was 2007 Conductivity Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Relative Hardness**	**Conduct. Changing?**		
Conductivity	2007	Highest at Times	Yes	Softwater	No		
(µmho/cm)	All Years			Softwater			
Parameter	**Year**	**Was 2007 Calcium Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Support Zebra Mussels?**	**Calcium Changing?**		
Calcium	2007	Within Normal Range	Yes	Yes	No		
(mg/l)	All Years			Uncertain			

NYS Nitrate standard = 10 mg/l
NYS Ammonia standard = 2 mg/l (as NH_3-NH_4)
NYS pH standard- 6.5 < acceptable pH < 8.5

TABLE 4i- Current and Historical Data Summaries for Lake George (cont.)
Gull Bay (Site 23)- Other Water-Quality Indicators

Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Nitrate	2007	0.00	0.02	0.08
(mg/l)	All Years	0.00	0.02	0.08
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
NH4	2007	0.01	0.01	0.04
(mg/l)	All Years	0.01	0.01	0.04
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
TDN	2007	0.26	0.46	0.64
(mg/l)	All Years	0.26	0.46	0.64
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
True Color	2007	0	7	21
(ptu)	All Years	0	7	21
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
pH	2007	7.14	8.03	8.54
(std units)	All Years	7.14	8.03	8.54
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Conductivity	2007	66	131	327
(µmho/cm)	All Years	66	131	327
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Calcium	2007	10.4	11.4	12.4
(mg/l)	All Years	10.4	11.4	12.4

TABLE 4i- Current and Historical Data Summaries for Lake George (cont.)
Gull Bay (Site 23)- Other Water-Quality Indicators (cont)

Parameter	Year	Was 2007 Nitrate the Highest or Lowest on Record?	Was 2007 a Typical Year?	Nitrate High?	Nitrate Changing?	% Samples Exceeding NO3 Standard	
Nitrate	2007	Both Highest and Lowest at Times	Not yet known	No	Not yet known	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 NH4 the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**NH4 High?**	**NH4 Changing?**	**% Samples Exceeding NH4 Standard**	
NH4	2007	Both Highest and Lowest at Times	Not yet known	No	Not yet known	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 TDN the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**TDN High?**	**TDN Changing?**	**Ratios of TN/TP Indicate P or N Limitation?**	
TDN	2007	Both Highest and Lowest at Times	Not yet known	No	Not yet known	P Limitation	
(mg/l)	All Years			No		P Limitation	
Parameter	**Year**	**Was 2007 Color the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Colored Lake?**	**Color Changing?**		
True Color	2007	Both Highest and Lowest at Times	Not yet known	No	Not yet known		
(ptu)	All Years			No			
Parameter	**Year**	**Was 2007 pH the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Acceptable Range?**	**pH Changing?**	**% Samples > Upper pH Standard**	**% Samples < Lower pH Standard**
pH	2007	Both Highest and Lowest at Times	Not yet known	Yes	Not yet known	13	0
(std units)	All Years			Yes		13	0
Parameter	**Year**	**Was 2007 Conductivity Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Relative Hardness**	**Conductivity Changing?**		
Conductivity	2007	Both Highest and Lowest at Times	Not yet known	Intermediate	Not yet known		
(µmho/cm)	All Years			Intermediate			
Parameter	**Year**	**Was 2007 Calcium Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Support Zebra Mussels?**	**Calcium Changing?**		
Calcium	2007	Both Highest and Lowest at Times	Not yet known	Uncertain	Not yet known		
(mg/l)	All Years			Uncertain			

NYS Nitrate standard = 10 mg/l
NYS Ammonia standard = 2 mg/l (as NH_3-NH_4)
NYS pH standard- 6.5 < acceptable pH < 8.5

TABLE 4j- Current and Historical Data Summaries for Lake George (cont.)
Hearts Bay (Site 24)- Other Water-Quality Indicators

Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Nitrate	2007	0.01	0.07	0.24
(mg/l)	All Years	0.01	0.04	0.24
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
NH4	2007	0.01	0.01	0.02
(mg/l)	All Years	0.01	0.01	0.04
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
TDN	2007	0.33	0.44	0.60
(mg/l)	All Years	0.13	0.39	0.63
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
True Color	2007	1	8	31
(ptu)	All Years	1	9	31
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
pH	2007	7.00	7.81	8.70
(std units)	All Years	6.83	7.66	8.70
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Conductivity	2007	90	100	121
(µmho/cm)	All Years	79	100	121
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
Calcium	2007	11.7	12.1	12.4
(mg/l)	All Years	5.1	10.2	12.4

TABLE 4j- Current and Historical Data Summaries for Lake George (cont.)
Hearts Bay (Site 24)- Other Water-Quality Indicators (cont)

Parameter	Year	Was 2007 Nitrate the Highest or Lowest on Record?	Was 2007 a Typical Year?	Nitrate High?	Nitrate Changing?	% Samples Exceeding NO3 Standard	
Nitrate	2007	Highest at Times	Yes	No	Yes	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 NH4 the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**NH4 High?**	**NH4 Changing?**	**% Samples Exceeding NH4 Standard**	
NH4	2007	Within Normal Range	Yes	No	No	0	
(mg/l)	All Years			No		0	
Parameter	**Year**	**Was 2007 TDN the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**TDN High?**	**TDN Changing?**	**Ratios of TN/TP Indicate P or N Limitation?**	
TDN	2007	Within Normal Range	Yes	No	Yes	P Limitation	
(mg/l)	All Years			No		P Limitation	
Parameter	**Year**	**Was 2007 Color the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Colored Lake?**	**Color Changing?**		
True Color	2007	Both Highest and Lowest at Times	Yes	No	No		
(ptu)	All Years			No			
Parameter	**Year**	**Was 2007 pH the Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Acceptable Range?**	**pH Changing?**	**% Samples > Upper pH Standard**	**% Samples < Lower pH Standard**
pH	2007	Highest at Times	Yes	Yes	No	17	0
(std units)	All Years			Yes		8	0
Parameter	**Year**	**Was 2007 Conductivity Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Relative Hardness**	**Conduct. Changing?**		
Conductivity	2007	Highest at Times	Yes	Softwater	No		
(µmho/cm)	All Years						
Parameter	**Year**	**Was 2007 Calcium Highest or Lowest on Record?**	**Was 2007 a Typical Year?**	**Support Zebra Mussels?**	**Calcium Changing?**		
Calcium	2007	Highest at Times	Yes	Yes	Yes		
(mg/l)	All Years			Uncertain			

NYS Nitrate standard = 10 mg/l
NYS Ammonia standard = 2 mg/l (as NH_3-NH_4)
NYS pH standard- 6.5 < acceptable pH < 8.5

Discussion

These data indicate Lake George is a weakly colored, circumneutral (near neutral pH) lake with low nitrate and ammonia levels, and soft water. These assessments are consistent from one site to the next, from one part of the lake to the next, and have been stable from year to year.

Water transparency readings are more influenced by algae than dissolved organic matter (brownness, as measured by water color), although the very high water transparency stems from very low algae and color levels. Color readings in the lake have varied slightly from year to year, perhaps inconsistent with the rise in color observed in many CSLAP lakes. There are not clear gradients (north to south or year to year) in color readings in Lake George.

Ammonia and nitrate readings are low and do not appear to represent a threat to surface water-quality. pH readings are indicative of circumneutral (near neutral) lakes, and most readings have been within the state water-quality standards (=6.5 to 8.5). These readings should be adequate to support most aquatic organisms, although they have increased in the last few years. The increase in pH is probably within the normal range of readings in Lake George, although pH should continue to be watched.

Conductivity readings have not varied significantly in the four years of CSLAP sampling, despite the slight rise in pH over the same period. These readings have consistently been indicative of softwater lakes. Calcium levels are near the threshold found to support zebra mussels, and these exotic animals have been found in parts of Lake George. Calcium levels have decreased slightly over the last four years, but this is probably due more to natural variability than to an actual decrease in calcium. The lake continues to be susceptible to zebra mussel infestations.

TABLE 5a- Current and Historical Data Summaries for Lake George
LG Village (Site 1)
Lake Perception Indicators (1= most favorable, 5= least favorable)

Parameter	Year	Minimum	Average	Maximum
QA	2007	1	1.0	1
(Clarity)	All Years	1	2.1	3
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QB	2007	2	2.0	2
(Plants)	All Years	1	1.9	3
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QC	2007	1	1.0	1
(Recreation)	All Years	1	2.1	3

Parameter	Year	Was 2007 Clarity the Highest or Lowest on Record?	Was 2007 a Typical Year?	Clarity Changed?	%Frequency 'Definite Algae Greenness'	%Frequency 'Severe Algae Levels'	%Frequency 'Slightly Impaired' Due to Algae	%Frequency 'Substantially Impaired' Due to Algae
QA	2007	Highest at Times	More Favorable	No	0	0	0	0
(Clarity)	All Years				29	0	6	#DIV/0!
Parameter	**Year**	**Was 2007 Weed Growth the Heaviest on Record?**	**Was 2007 a Typical Year?**	**Weeds Changed?**	**%Frequency Surface Weeds**	**%Frequency Dense Weeds**	**%Frequency 'Slightly Impaired' Due to Weeds**	**%Frequency 'Substantially Impaired' Due to Weeds**
QB	2007	Within Normal Range	Yes	Yes	0	0	0	0
(Plants)	All Years				7	0	25	#DIV/0!
Parameter	**Year**	**Was 2007 Recreation the Best or Worst on Record?**	**Was 2007 a Typical Year?**	**Recreation Changed?**	**%Frequency Slightly Impaired**	**%Frequency Substantially Impaired**		
QC	2007	Best at Times	Yes	No	0	0		
(Recreation)	All Years				36	0		

TABLE 5b- Current and Historical Data Summaries for Lake George
Diamond Island (Site 2)
Lake Perception Indicators (1= most favorable, 5= least favorable)

Parameter	Year	Minimum	Average	Maximum
QA	2007	1	1.0	1
(Clarity)	All Years	1	1.0	2
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QB	2007	1	1.0	1
(Plants)	All Years	1	1.0	1
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QC	2007	1	1.0	1
(Recreation)	All Years	1	1.1	2

Parameter	Year	Was 2007 Clarity the Highest or Lowest on Record?	Was 2007 a Typical Year?	Clarity Changed?	%Frequency 'Definite Algae Greenness'	%Frequency 'Severe Algae Levels'	%Frequency 'Slightly Impaired' Due to Algae	%Frequency 'Substantially Impaired' Due to Algae
QA	2007	Highest at Times	Yes	No	0	0	0	0
(Clarity)	All Years				0	0	0	0
Parameter	**Year**	**Was 2007 Weed Growth the Heaviest on Record?**	**Was 2007 a Typical Year?**	**Weeds Changed?**	**%Frequency Surface Weeds**	**%Frequency Dense Weeds**	**%Frequency 'Slightly Impaired' Due to Weeds**	**%Frequency 'Substantially Impaired' Due to Weeds**
QB	2007	Heaviest and Lightest	Yes	No	0	0	0	0
(Plants)	All Years				0	0	0	0
Parameter	**Year**	**Was 2007 Recreation the Best or Worst on Record?**	**Was 2007 a Typical Year?**	**Recreation Changed?**	**%Frequency Slightly Impaired**	**%Frequency Substantially Impaired**		
QC	2007	Best at Times	Yes	No	0	0		
(Recreation)	All Years				0	0		

TABLE 5c- Current and Historical Data Summaries for Lake George
Harris Bay (Site 3)
Lake Perception Indicators (1= most favorable, 5= least favorable)

Parameter	Year	Minimum	Average	Maximum
QA	2007	1	1.0	1
(Clarity)	All Years	1	1.0	1
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QB	2007	1	1.0	1
(Plants)	All Years	1	1.0	1
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QC	2007	1	1.0	1
(Recreation)	All Years	1	1.0	1

Parameter	Year	Was 2007 Clarity the Highest or Lowest on Record?	Was 2007 a Typical Year?	Clarity Changed?	%Frequency 'Definite Algae Greenness'	%Frequency 'Severe Algae Levels'	%Frequency 'Slightly Impaired' Due to Algae	%Frequency 'Substantially Impaired' Due to Algae
QA	2007	Highest and Lowest	Not yet known	Not yet known	0	0	0	0
(Clarity)	All Years				0	0	0	0
Parameter	**Year**	**Was 2007 Weed Growth the Heaviest on Record?**	**Was 2007 a Typical Year?**	**Weeds Changed?**	**%Frequency Surface Weeds**	**%Frequency Dense Weeds**	**%Frequency 'Slightly Impaired' Due to Weeds**	**%Frequency 'Substantially Impaired' Due to Weeds**
QB	2007	Heaviest and Lightest	Not yet known	Not yet known	0	0	0	0
(Plants)	All Years				0	0	0	0
Parameter	**Year**	**Was 2007 Recreation the Best or Worst on Record?**	**Was 2007 a Typical Year?**	**Recreation Changed?**	**%Frequency Slightly Impaired**	**%Frequency Substantially Impaired**		
QC	2007	Both Best and Worst at Times	Not yet known	Not yet known	0	0		
(Recreation)	All Years				0	0		

TABLE 5d- Current and Historical Data Summaries for Lake George
Basin Bay (Site 4)
Lake Perception Indicators (1= most favorable, 5= least favorable)

Parameter	Year	Minimum	Average	Maximum
QA	2007	1	1.0	1
(Clarity)	All Years	1	1.0	1
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QB	2007	1	1.0	1
(Plants)	All Years	1	1.0	1
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QC	2007	1	1.0	1
(Recreation)	All Years	1	1.0	1

Parameter	Year	Was 2007 Clarity the Highest or Lowest on Record?	Was 2007 a Typical Year?	Clarity Changed?	%Frequency 'Definite Algae Greenness'	%Frequency 'Severe Algae Levels'	%Frequency 'Slightly Impaired' Due to Algae	%Frequency 'Substantially Impaired' Due to Algae
QA	2007	Highest and Lowest	Yes	No	0	0	0	0
(Clarity)	All Years				0	0	0	0
Parameter	**Year**	**Was 2007 Weed Growth the Heaviest on Record?**	**Was 2007 a Typical Year?**	**Weeds Changed?**	**%Frequency Surface Weeds**	**%Frequency Dense Weeds**	**%Frequency 'Slightly Impaired' Due to Weeds**	**%Frequency 'Substantially Impaired' Due to Weeds**
QB	2007	Heaviest and Lightest	Yes	No	0	0	0	0
(Plants)	All Years				0	0	0	0
Parameter	**Year**	**Was 2007 Recreation the Best or Worst on Record?**	**Was 2007 a Typical Year?**	**Recreation Changed?**	**%Frequency Slightly Impaired**	**%Frequency Substantially Impaired**		
QC	2007	Both Best and Worst at Times	Yes	No	0	0		
(Recreation)	All Years				0	0		

TABLE 5e- Current and Historical Data Summaries for Lake George
Crown Island (Site 6)
Lake Perception Indicators (1= most favorable, 5= least favorable)

Parameter	Year	Minimum	Average	Maximum
QA	2007	1	1.0	1
(Clarity)	All Years	1	1.0	1
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QB	2007	1	1.8	2
(Plants)	All Years	1	1.4	2
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QC	2007	1	1.1	2
(Recreation)	All Years	1	1.1	2

Parameter	Year	Was 2007 Clarity the Highest or Lowest on Record?	Was 2007 a Typical Year?	Clarity Changed?	%Frequency 'Definite Algae Greenness'	%Frequency 'Severe Algae Levels'	%Frequency 'Slightly Impaired' Due to Algae	%Frequency 'Substantially Impaired' Due to Algae
QA	2007	Highest and Lowest	Yes	No	0	0	0	0
(Clarity)	All Years				0	0	0	0
Parameter	**Year**	**Was 2007 Weed Growth the Heaviest on Record?**	**Was 2007 a Typical Year?**	**Weeds Changed?**	**%Frequency Surface Weeds**	**%Frequency Dense Weeds**	**%Frequency 'Slightly Impaired' Due to Weeds**	**%Frequency 'Substantially Impaired' Due to Weeds**
QB	2007	Heaviest and Lightest	Yes	No	0	0	0	0
(Plants)	All Years				0	0	0	0
Parameter	**Year**	**Was 2007 Recreation the Best or Worst on Record?**	**Was 2007 a Typical Year?**	**Recreation Changed?**	**%Frequency Slightly Impaired**	**%Frequency Substantially Impaired**		
QC	2007	Both Best and Worst at Times	Yes	No	0	0		
(Recreation)	All Years				0	0		

TABLE 5f- Current and Historical Data Summaries for Lake George
Werner Bay (Site 7)
Lake Perception Indicators (1= most favorable, 5= least favorable)

Parameter	Year	Minimum	Average	Maximum
QA	2007	1	1.2	2
(Clarity)	All Years	1	1.2	2
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QB	2007	1	1.2	2
(Plants)	All Years	1	1.2	2
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QC	2007	1	1.0	1
(Recreation)	All Years	1	1.0	1

Parameter	Year	Was 2007 Clarity the Highest or Lowest on Record?	Was 2007 a Typical Year?	Clarity Changed?	%Frequency 'Definite Algae Greenness'	%Frequency 'Severe Algae Levels'	%Frequency 'Slightly Impaired' Due to Algae	%Frequency 'Substantially Impaired' Due to Algae
QA	2007	Highest and Lowest	Not yet known	Not yet known	0	0	0	0
(Clarity)	All Years				0	0	0	0
Parameter	**Year**	**Was 2007 Weed Growth the Heaviest on Record?**	**Was 2007 a Typical Year?**	**Weeds Changed?**	**%Frequency Surface Weeds**	**%Frequency Dense Weeds**	**%Frequency 'Slightly Impaired' Due to Weeds**	**%Frequency 'Substantially Impaired' Due to Weeds**
QB	2007	Heaviest and Lightest	Not yet known	Not yet known	0	0	0	0
(Plants)	All Years				0	0	0	0
Parameter	**Year**	**Was 2007 Recreation the Best or Worst on Record?**	**Was 2007 a Typical Year?**	**Recreation Changed?**	**%Frequency Slightly Impaired**	**%Frequency Substantially Impaired**		
QC	2007	Both Best and Worst at Times	Not yet known	Not yet known	0	0		
(Recreation)	All Years				0	0		

TABLE 5g- Current and Historical Data Summaries for Lake George
Northwest Bay (Site 11)
Lake Perception Indicators (1= most favorable, 5= least favorable)

Parameter	Year	Minimum	Average	Maximum
QA	2007	1	1.0	1
(Clarity)	All Years	1	1.0	1
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QB	2007	2	2.0	2
(Plants)	All Years	2	2.0	2
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QC	2007	1	1.0	1
(Recreation)	All Years	1	1.0	1

Parameter	Year	Was 2007 Clarity the Highest or Lowest on Record?	Was 2007 a Typical Year?	Clarity Changed?	%Frequency 'Definite Algae Greenness'	%Frequency 'Severe Algae Levels'	%Frequency 'Slightly Impaired' Due to Algae	%Frequency 'Substantially Impaired' Due to Algae
QA	2007	Highest and Lowest	Not yet known	Not yet known	0	0	0	0
(Clarity)	All Years				0	0	0	0
Parameter	**Year**	**Was 2007 Weed Growth the Heaviest on Record?**	**Was 2007 a Typical Year?**	**Weeds Changed?**	**%Frequency Surface Weeds**	**%Frequency Dense Weeds**	**%Frequency 'Slightly Impaired' Due to Weeds**	**%Frequency 'Substantially Impaired' Due to Weeds**
QB	2007	Heaviest and Lightest	Not yet known	Not yet known	0	0	0	0
(Plants)	All Years				0	0	0	0
Parameter	**Year**	**Was 2007 Recreation the Best or Worst on Record?**	**Was 2007 a Typical Year?**	**Recreation Changed?**	**%Frequency Slightly Impaired**	**%Frequency Substantially Impaired**		
QC	2007	Both Best and Worst at Times	Not yet known	Not yet known	0	0		
(Recreation)	All Years				0	0		

TABLE 5h- Current and Historical Data Summaries for Lake George
Hewlett's Landing (Site 21)
Lake Perception Indicators (1= most favorable, 5= least favorable)

Parameter	Year	Minimum	Average	Maximum
QA	2007	1	1.0	1
(Clarity)	All Years	1	1.1	2
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QB	2007	1	1.0	1
(Plants)	All Years	1	1.0	1
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QC	2007	1	1.3	3
(Recreation)	All Years	1	1.2	3

Parameter	Year	Was 2007 Clarity the Highest or Lowest on Record?	Was 2007 a Typical Year?	Clarity Changed?	%Frequency 'Definite Algae Greenness'	%Frequency 'Severe Algae Levels'	%Frequency 'Slightly Impaired' Due to Algae	%Frequency 'Substantially Impaired' Due to Algae
QA	2007	Highest at Times	Yes	No	0	0	0	0
(Clarity)	All Years				0	0	0	0
Parameter	**Year**	**Was 2007 Weed Growth the Heaviest on Record?**	**Was 2007 a Typical Year?**	**Weeds Changed?**	**%Frequency Surface Weeds**	**%Frequency Dense Weeds**	**%Frequency 'Slightly Impaired' Due to Weeds**	**%Frequency 'Substantially Impaired' Due to Weeds**
QB	2007	Heaviest and Lightest	Yes	No	0	0	0	0
(Plants)	All Years				0	0	0	0
Parameter	**Year**	**Was 2007 Recreation the Best or Worst on Record?**	**Was 2007 a Typical Year?**	**Recreation Changed?**	**%Frequency Slightly Impaired**	**%Frequency Substantially Impaired**		
QC	2007	Both Best and Worst at Times	Yes	No	14	0		
(Recreation)	All Years				6	0		

TABLE 5i- Current and Historical Data Summaries for Lake George
Gull Bay (Site 23)
Lake Perception Indicators (1= most favorable, 5= least favorable)

Parameter	Year	Minimum	Average	Maximum
QA	2007	1	1.0	1
(Clarity)	All Years	1	1.0	1
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QB	2007	1	1.0	1
(Plants)	All Years	1	1.0	1
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QC	2007	1	1.1	2
(Recreation)	All Years	1	1.1	2

Parameter	Year	Was 2007 Clarity the Highest or Lowest on Record?	Was 2007 a Typical Year?	Clarity Changed?	%Frequency 'Definite Algae Greenness'	%Frequency 'Severe Algae Levels'	%Frequency 'Slightly Impaired' Due to Algae	%Frequency 'Substantially Impaired' Due to Algae
QA	2007	Highest and Lowest	Not yet known	Not yet known	0	0	0	0
(Clarity)	All Years				0	0	0	0
Parameter	**Year**	**Was 2007 Weed Growth the Heaviest on Record?**	**Was 2007 a Typical Year?**	**Weeds Changed?**	**%Frequency Surface Weeds**	**%Frequency Dense Weeds**	**%Frequency 'Slightly Impaired' Due to Weeds**	**%Frequency 'Substantially Impaired' Due to Weeds**
QB	2007	Heaviest and Lightest	Not yet known	Not yet known	0	0	0	0
(Plants)	All Years				0	0	0	0
Parameter	**Year**	**Was 2007 Recreation the Best or Worst on Record?**	**Was 2007 a Typical Year?**	**Recreation Changed?**	**%Frequency Slightly Impaired**	**%Frequency Substantially Impaired**		
QC	2007	Both Best and Worst at Times	Not yet known	Not yet known	0	0		
(Recreation)	All Years				0	0		

TABLE 5j- Current and Historical Data Summaries for Lake George
Hearts Bay (Site 24)
Lake Perception Indicators (1= most favorable, 5= least favorable)

Parameter	Year	Minimum	Average	Maximum
QA	2007	1	1.0	1
(Clarity)	All Years	1	1.0	1
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QB	2007	2	2.4	3
(Plants)	All Years	1	1.9	3
Parameter	**Year**	**Minimum**	**Average**	**Maximum**
QC	2007	1	1.0	1
(Recreation)	All Years	1	1.0	1

Parameter	Year	Was 2007 Clarity the Highest or Lowest on Record?	Was 2007 a Typical Year?	Clarity Changed?	%Frequency 'Definite Algae Greenness'	%Frequency 'Severe Algae Levels'	%Frequency 'Slightly Impaired' Due to Algae	%Frequency 'Substantially Impaired' Due to Algae
QA	2007	Highest and Lowest	Yes	No	0	0	0	0
(Clarity)	All Years				0	0	0	0
Parameter	**Year**	**Was 2007 Weed Growth the Heaviest on Record?**	**Was 2007 a Typical Year?**	**Weeds Changed?**	**%Frequency Surface Weeds**	**%Frequency Dense Weeds**	**%Frequency 'Slightly Impaired' Due to Weeds**	**%Frequency 'Substantially Impaired' Due to Weeds**
QB	2007	Heaviest at Times	Heavier Than Normal	Increasing?	40	0	0	0
(Plants)	All Years				21	0	0	0
Parameter	**Year**	**Was 2007 Recreation the Best or Worst on Record?**	**Was 2007 a Typical Year?**	**Recreation Changed?**	**%Frequency Slightly Impaired**	**%Frequency Substantially Impaired**		
QC	2007	Both Best and Worst at Times	Yes	No	0	0		
(Recreation)	All Years				0	0		

Discussion

Lake George has been described as "crystal clear" at nearly all CSLAP sampling sites, assessments comparable to other lakes with similar water clarity and color readings. This does not appear to vary significantly from site to site or region to region, although water quality assessments at the Lake George Village /Tea Island site was less favorable than assessments at other parts of the lake.

Aquatic plant coverage has been slightly greater at the Lake George Village and Hearts Bay sites, and at the Diamond Island site in 2007, but this may be due to shallower depth or site-specific qualities, rather than indicative of a regional pattern. Even at these sites, surface aquatic plant growth has not been regularly seen, although extensive surface weed growth is no doubt common in many shallower portions of the lake.

Lake George has most often been described as "could not be nicer" for most recreational uses, although, as noted above, recreational use impacts may be more common in areas with more extensive weed growth or localized impacts from zebra mussels. These assessments have been slightly less favorable in the Lake George Village region, where recreational use impacts have been associated with excessive weeds.

Lake George has most frequently been described by the CSLAP sampling volunteers as "slightly" impaired during 4% of the CSLAP sampling sessions, but never "substantially" impaired. Slightly impaired conditions have been associated with excessive weeds during 3% of the CSLAP sampling sessions, and less than 1% of the time with poor water clarity or excessive algae.

How Do the 2007 Data Compare to Historical Data from Lake George?

Seasonal Comparison of Eutrophication, Other Water-quality, and Lake-Perception Indicators–2007 Sampling Season and in the Typical or Previous Sampling Seasons at Lake George

Figures 23 and 24 compare data for the measured eutrophication parameters for Lake George in 2007 and since CSLAP sampling began at Lake George. Figures 25 and 26 compare nitrogen to phosphorus ratios, figures 27 through 34 compare other sampling indicators, and figures 35 and 36 compare volunteer perception responses during the same periods.

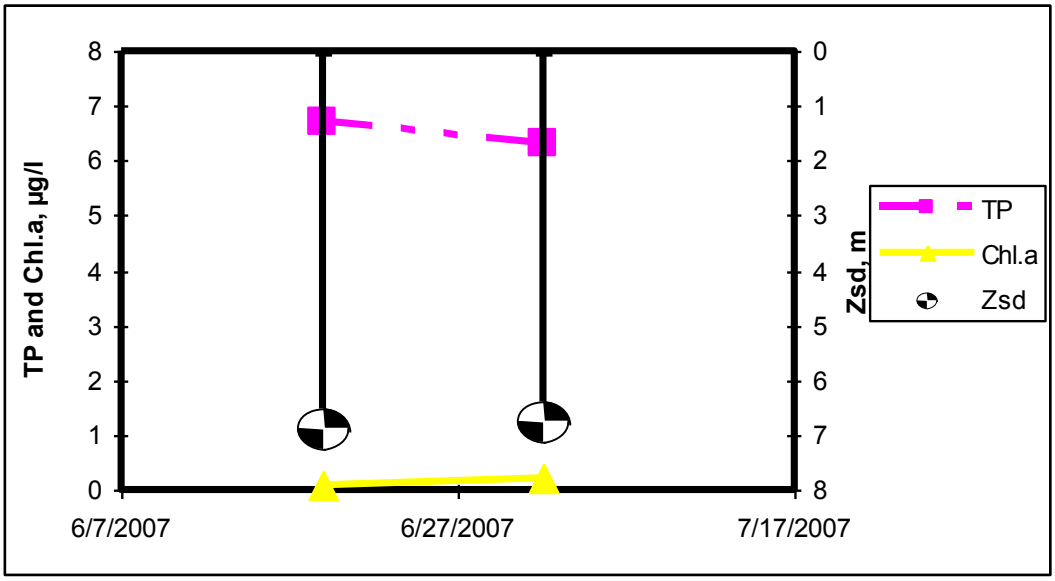


Figure 23a. 2007 Eutrophication Data for Lake George-LG Village (Site 1)

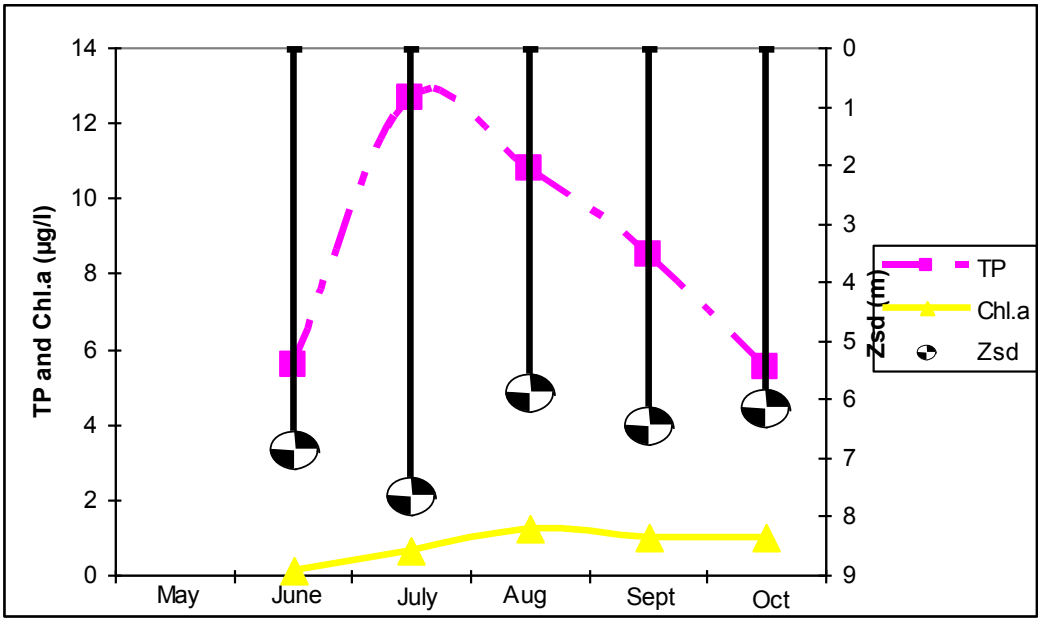


Figure 24a- Eutrophication Data in a Typical (Monthly Mean) Year for Lake George-LG Village (Site 1)

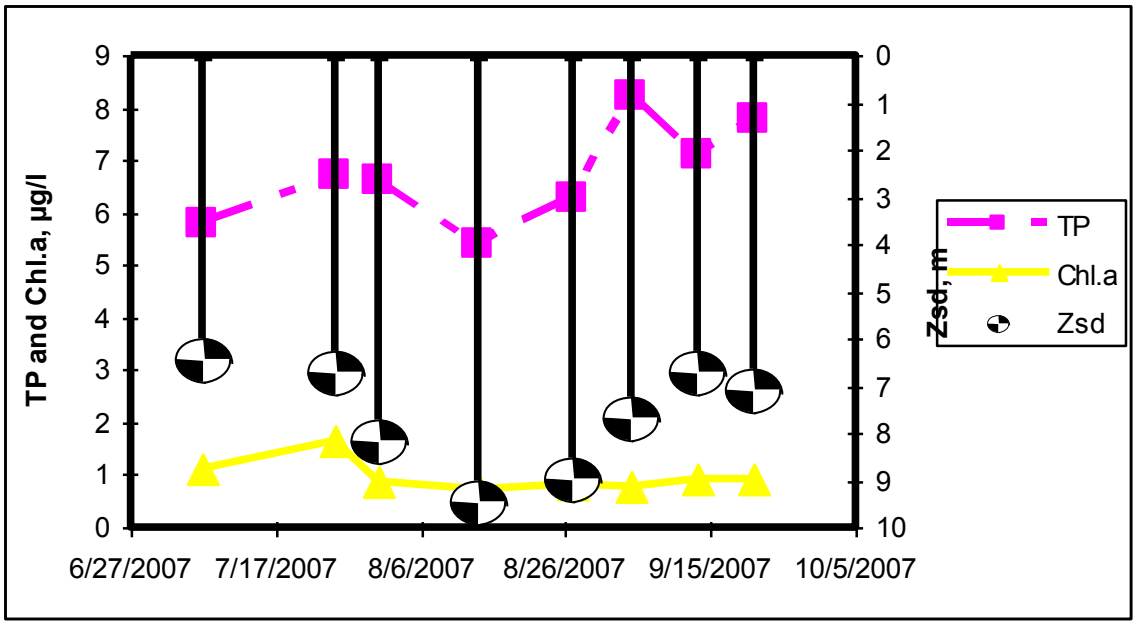


Figure 23b. 2007 Eutrophication Data for Lake George-Diamond Island (Site 2)

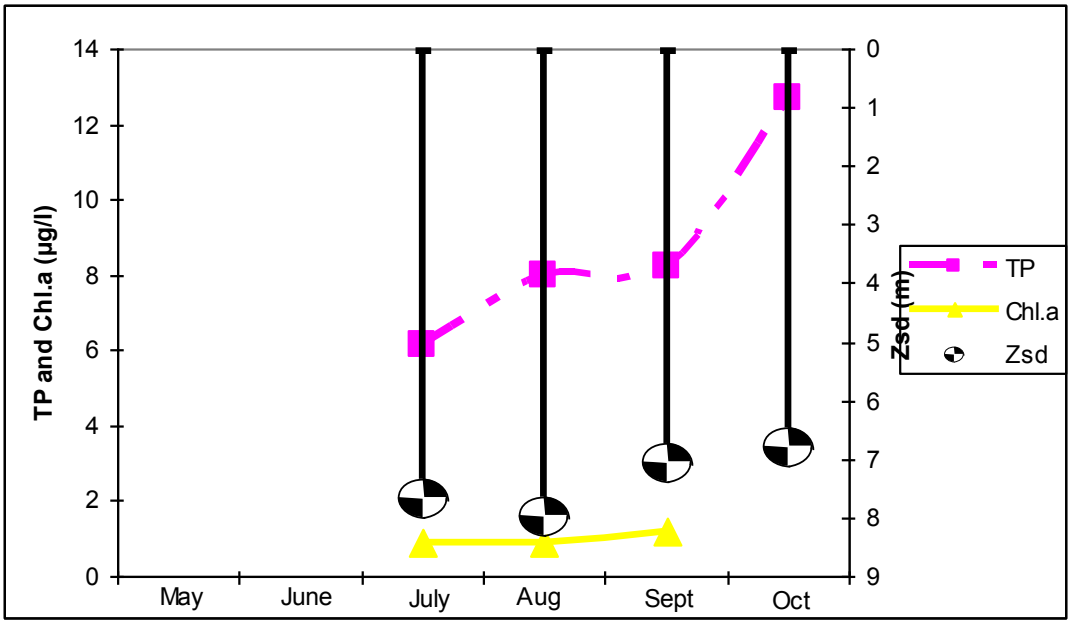


Figure 24b- Eutrophication Data in a Typical (Monthly Mean) Year for Lake George-Diamond Island (Site 2)

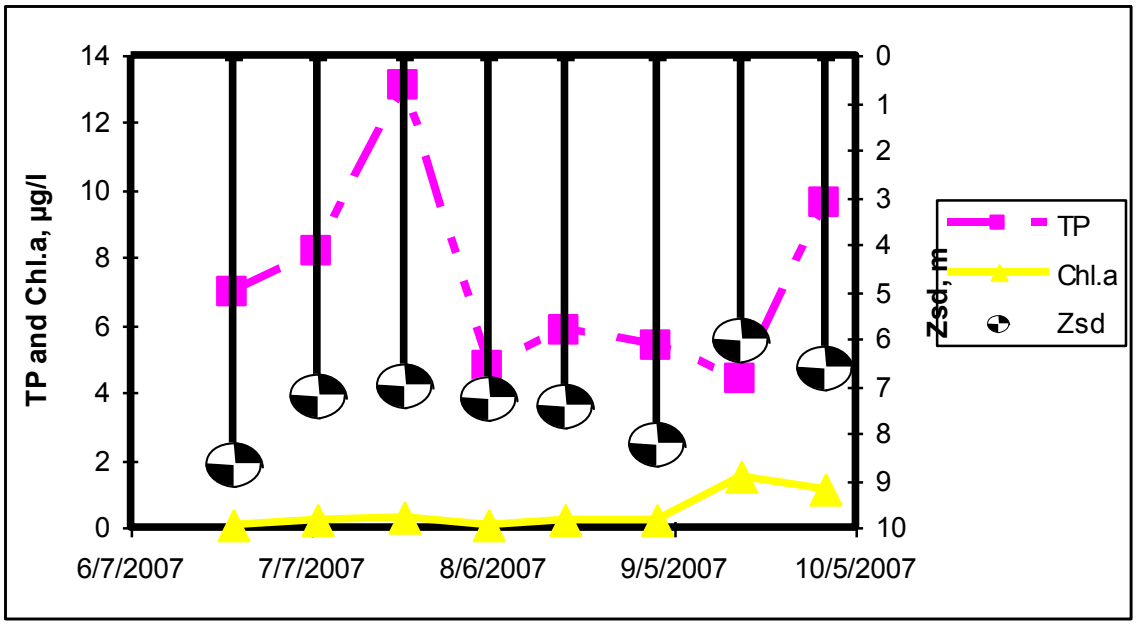


Figure 23c. 2007 Eutrophication Data for Lake George-Harris Bay (Site 3)

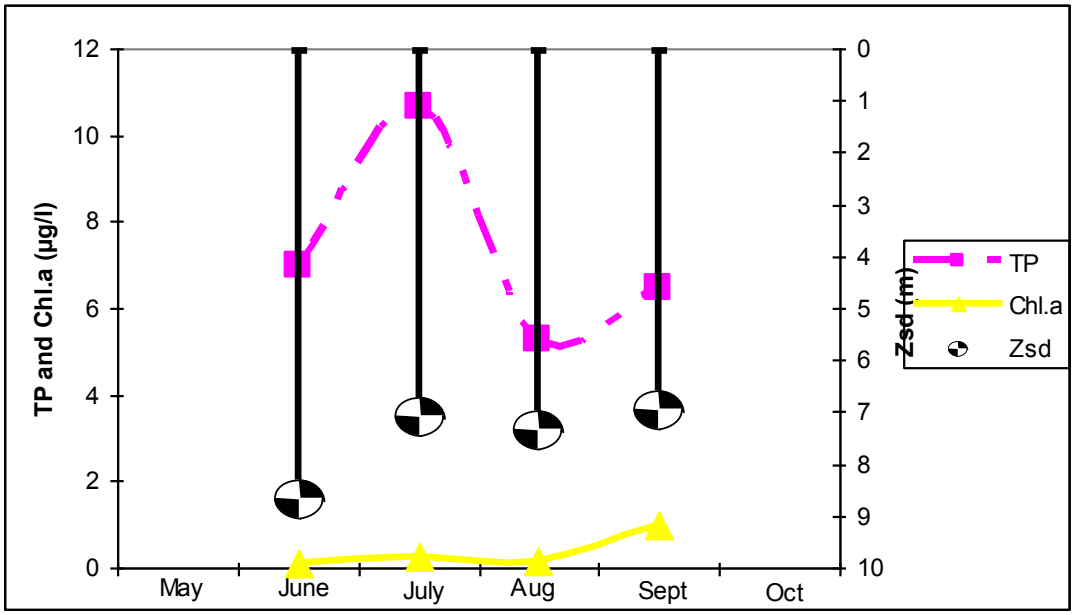


Figure 24c- Eutrophication Data in a Typical (Monthly Mean) Year for Lake George-Harris Bay (Site 3)

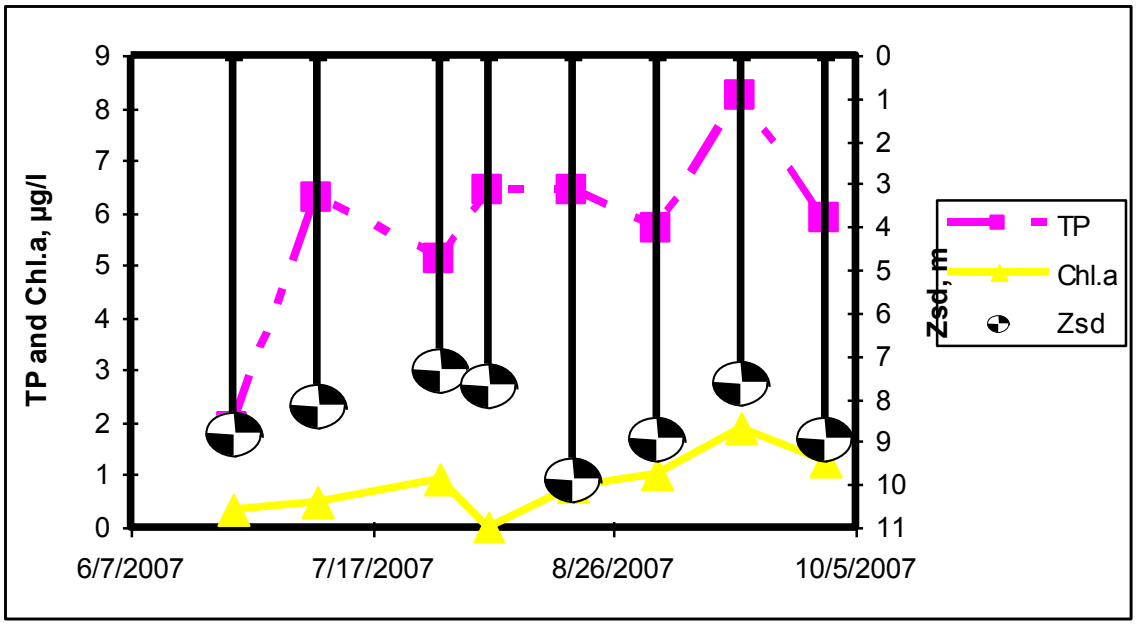


Figure 23d. 2007 Eutrophication Data for Lake George-Basin Bay (Site 4)

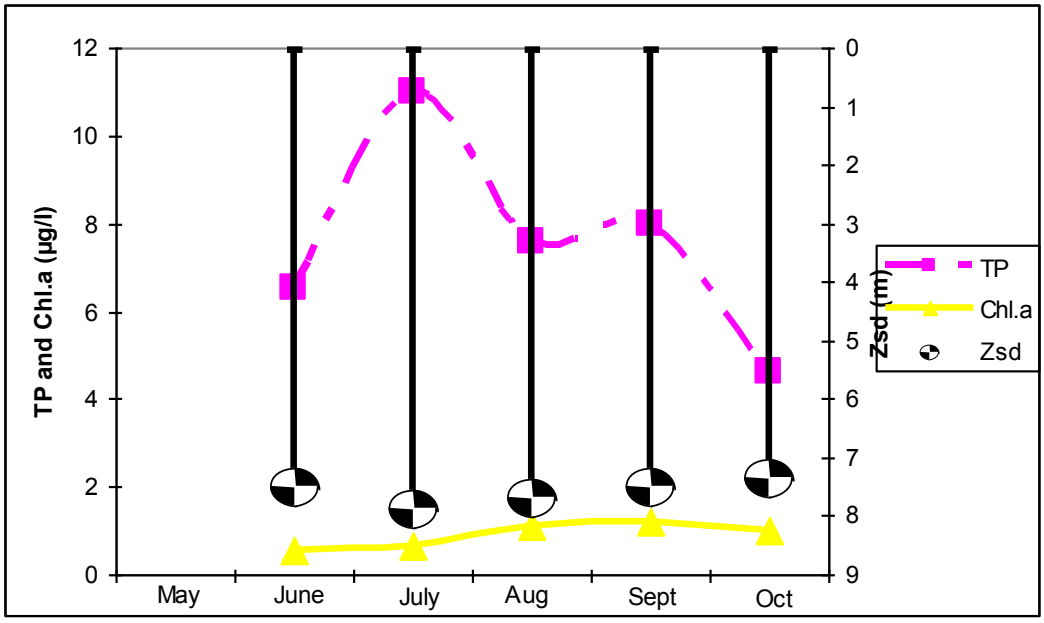


Figure 24d- Eutrophication Data in a Typical (Monthly Mean) Year for Lake George-Basin Bay (Site 4)

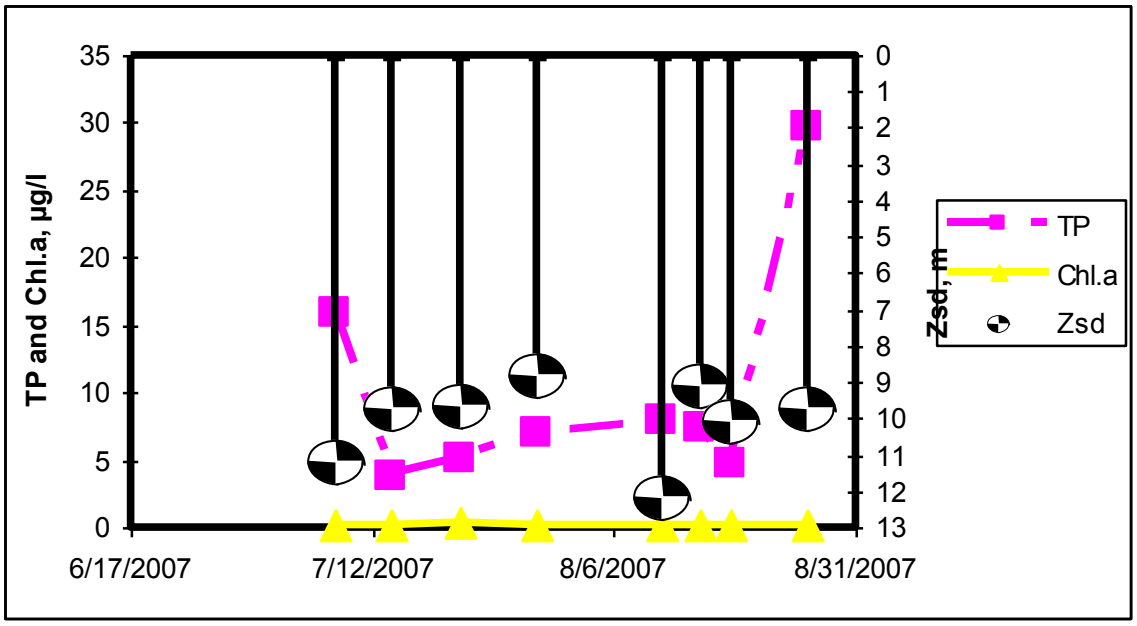


Figure 23e. 2007 Eutrophication Data for Lake George-Crown Island (Site 6)

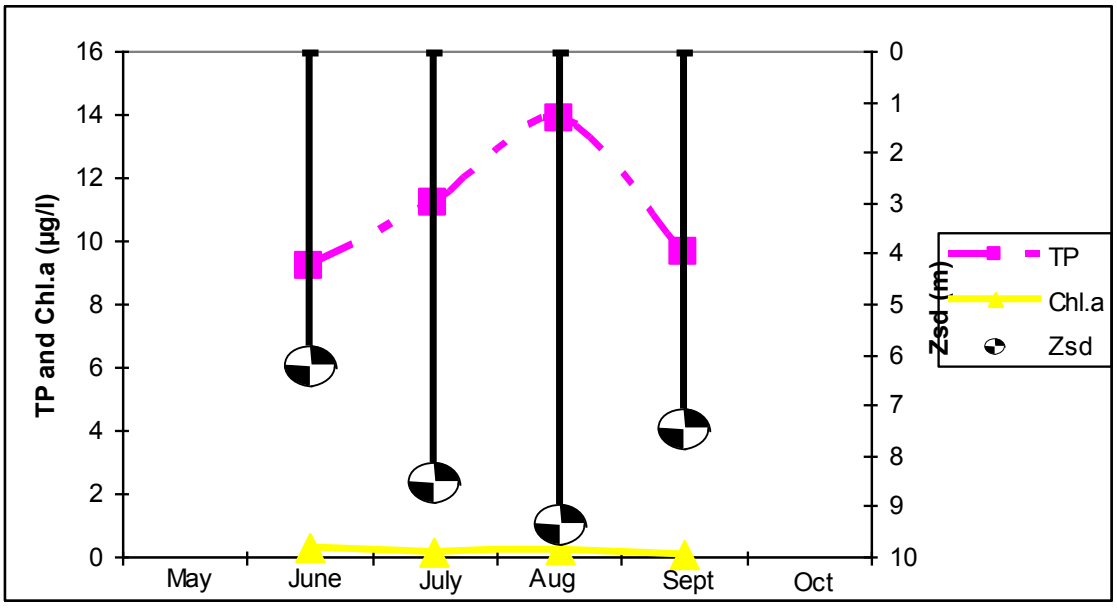


Figure 24e- Eutrophication Data in a Typical (Monthly Mean) Year for Lake George-Crown Island (Site 6)

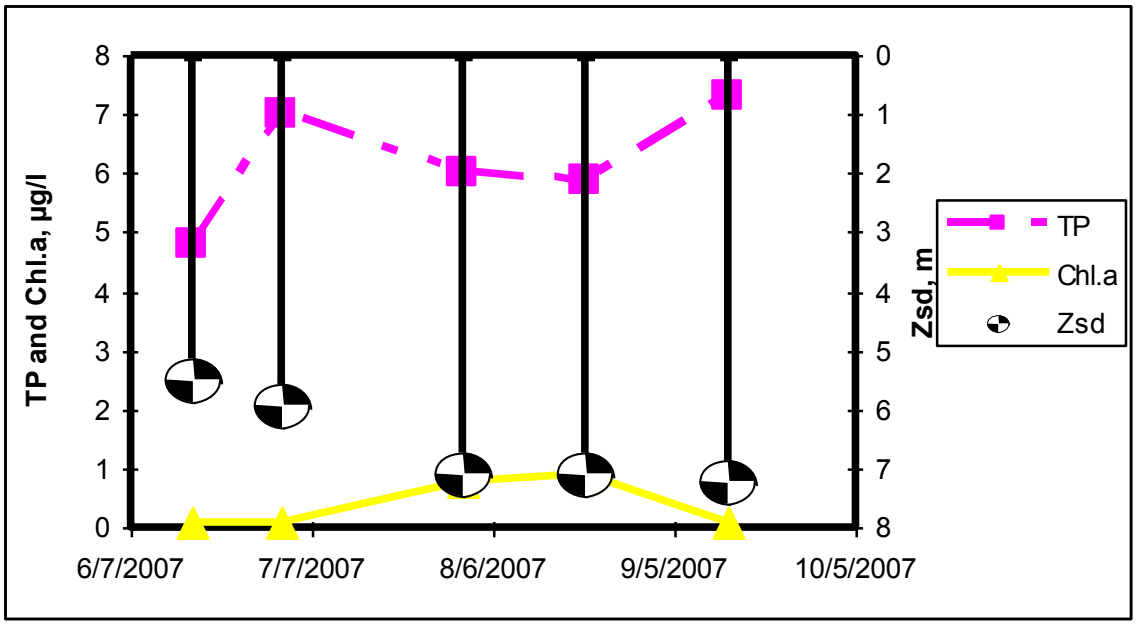


Figure 23f. 2007 Eutrophication Data for Lake George-Werner Bay (Site 7)

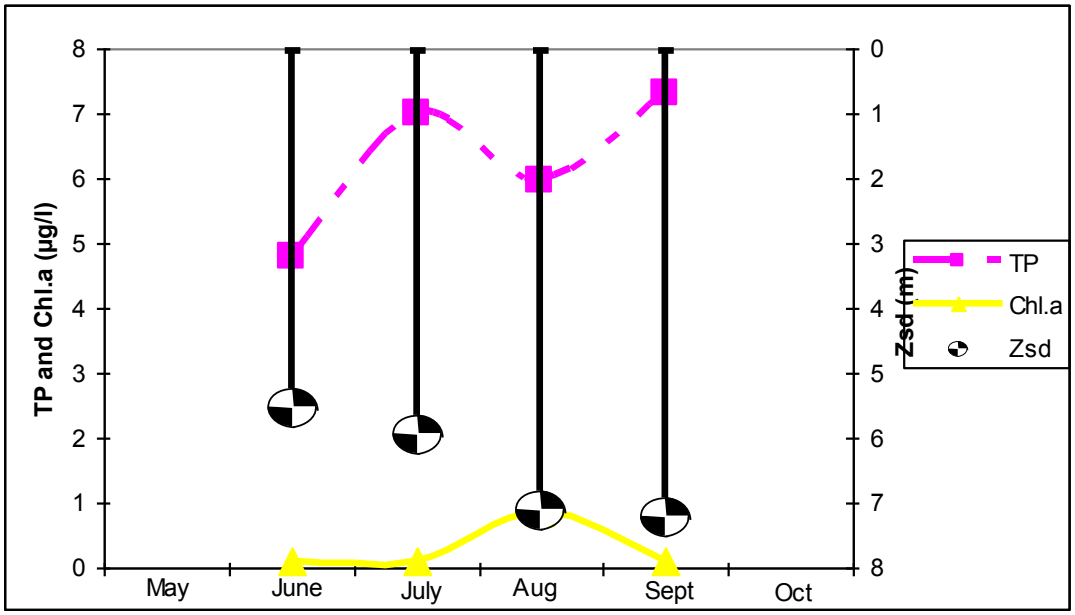


Figure 24f- Eutrophication Data in a Typical (Monthly Mean) Year for Lake George-Werner Bay (Site 7)

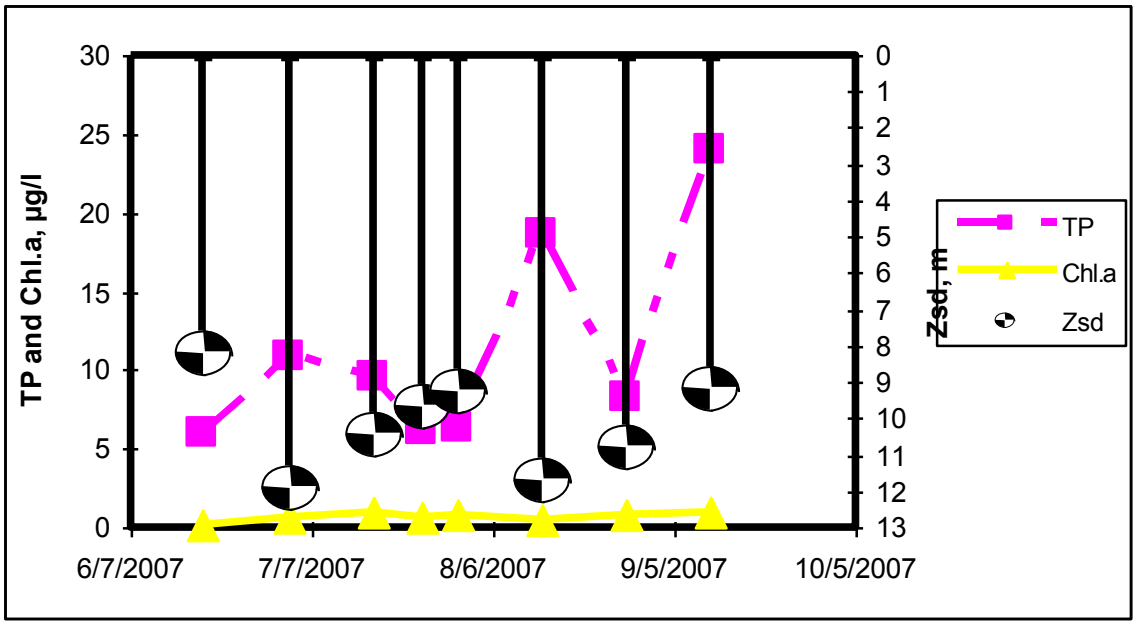


Figure 23g. 2007 Eutrophication Data for Lake George-Northwest Bay (Site 11)

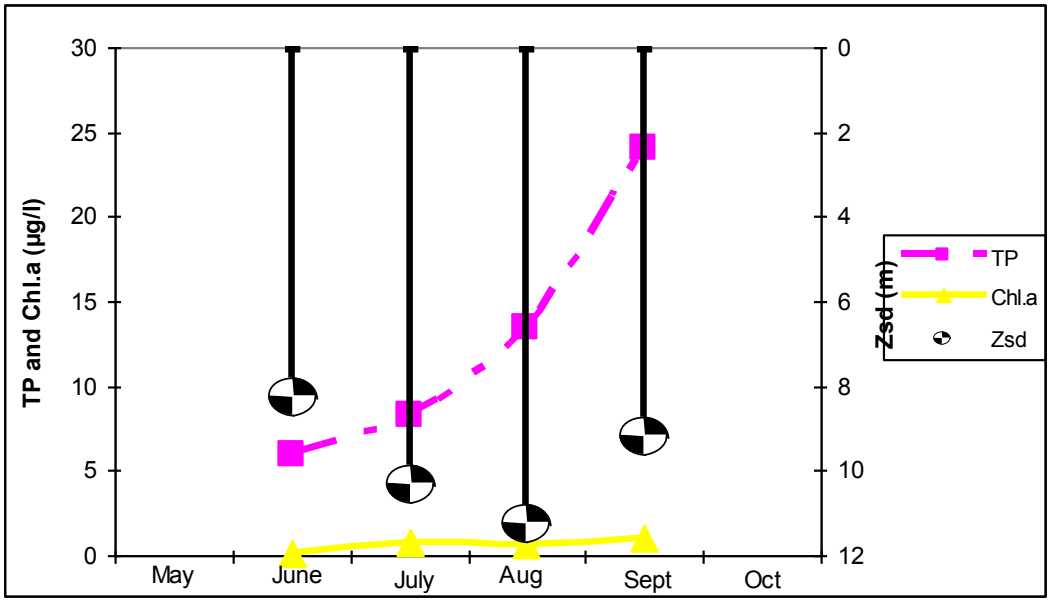


Figure 24g- Eutrophication Data in a Typical (Monthly Mean) Year for Lake George-Northwest Bay (Site 11)

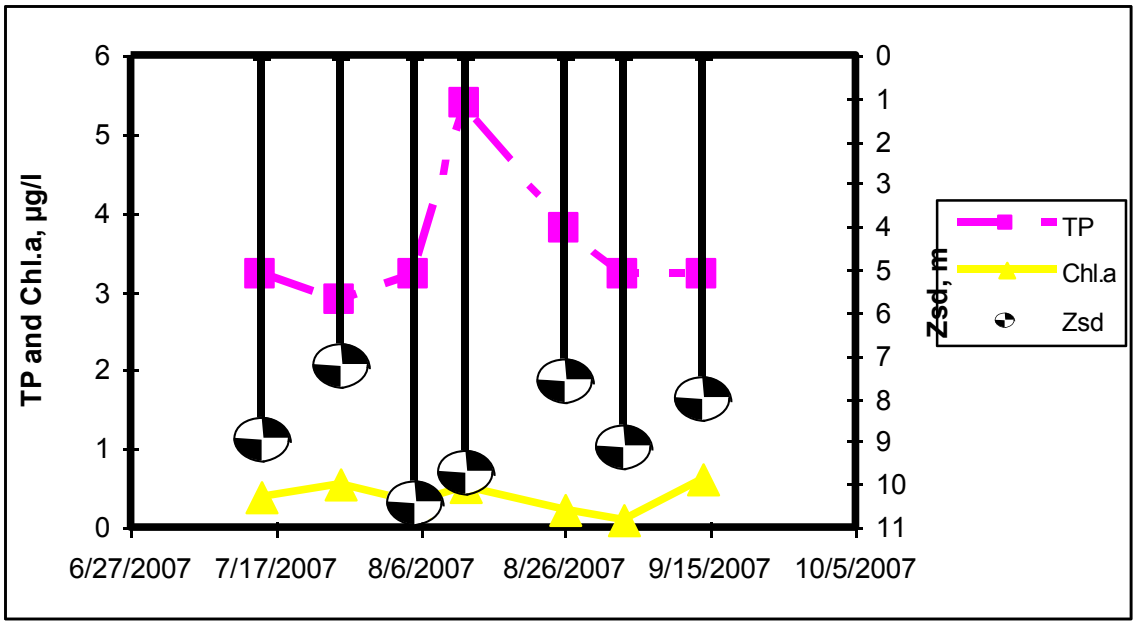


Figure 23h. 2007 Eutrophication Data for Lake George-Hewlett's Landing (Site 21)

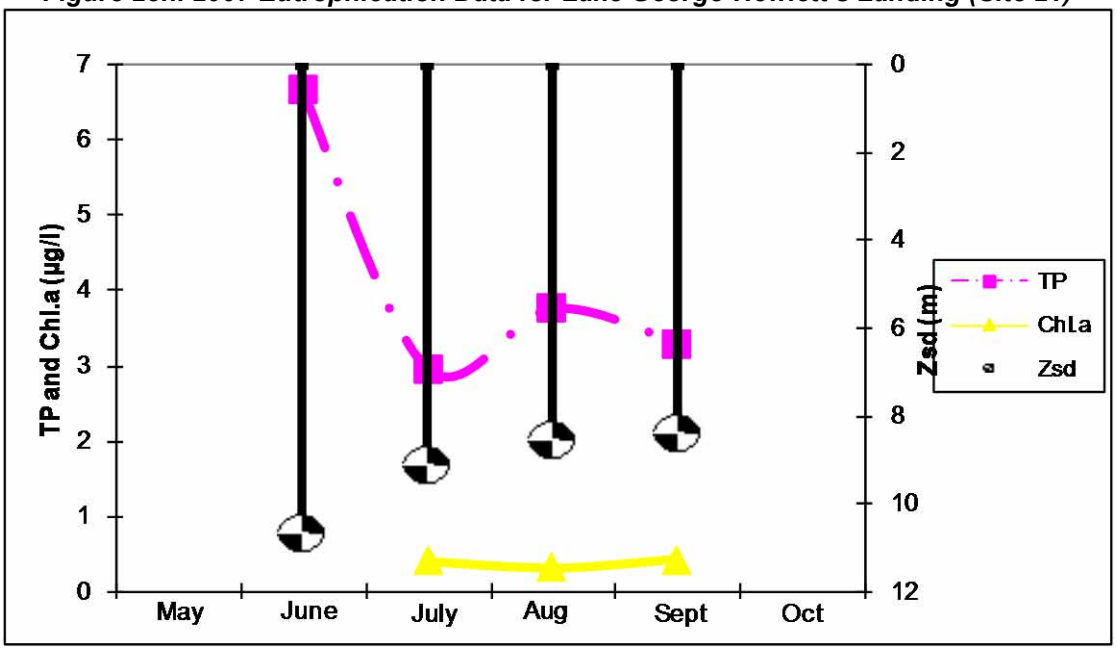


Figure 24h- Eutrophication Data in a Typical (Monthly Mean) Year for Lake George-Hewlett's Landing (Site 21)

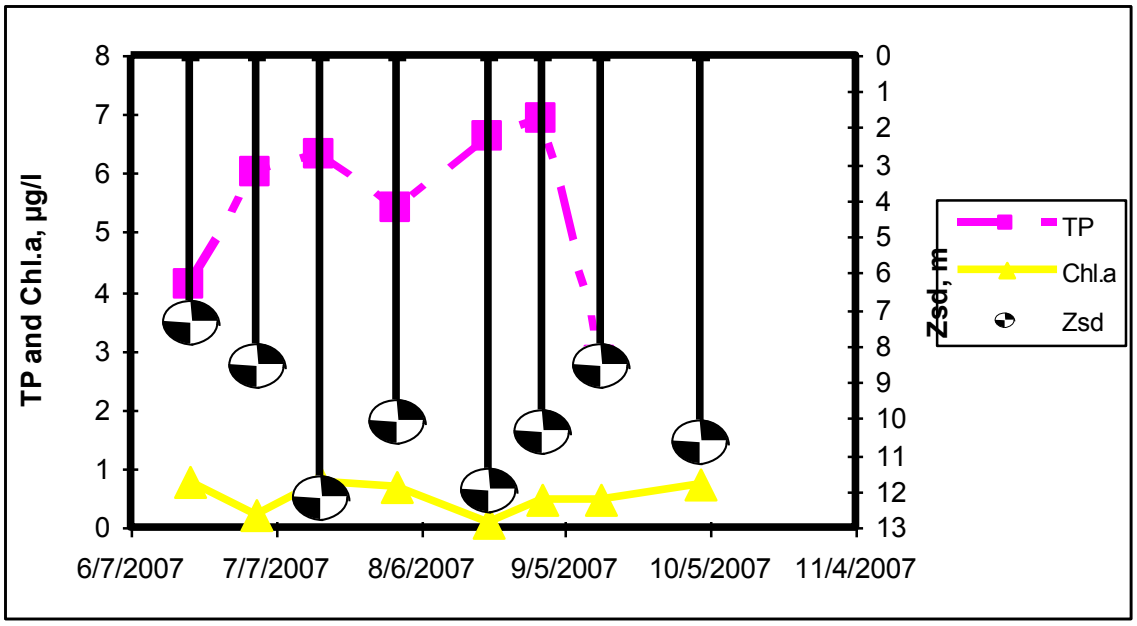


Figure 23i. 2007 Eutrophication Data for Lake George-Gull Bay (Site 23)

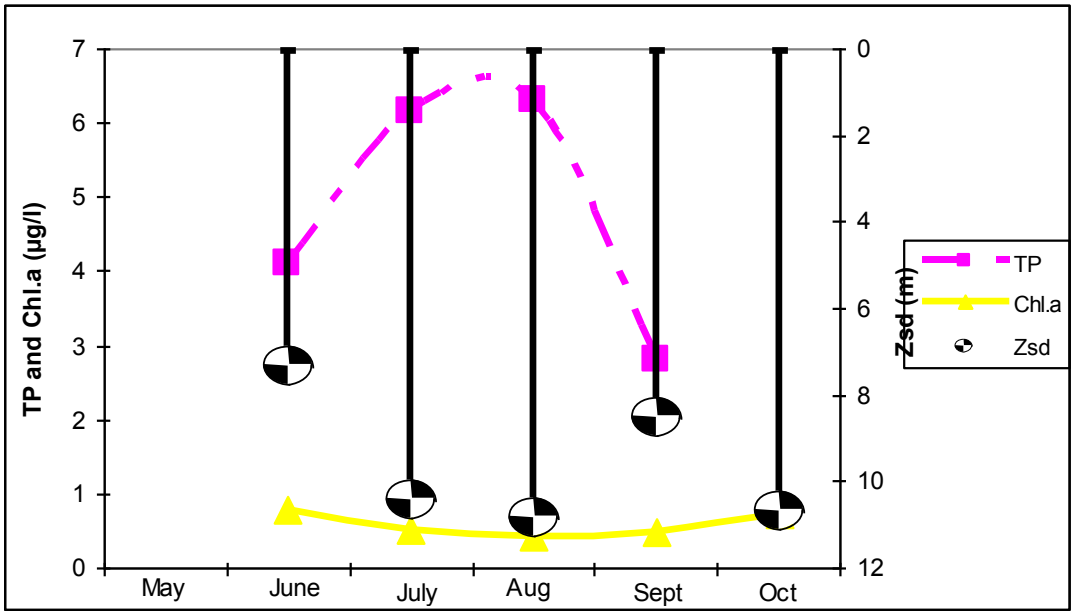


Figure 24i- Eutrophication Data in a Typical (Monthly Mean) Year for Lake George-Gull Bay (Site 23)

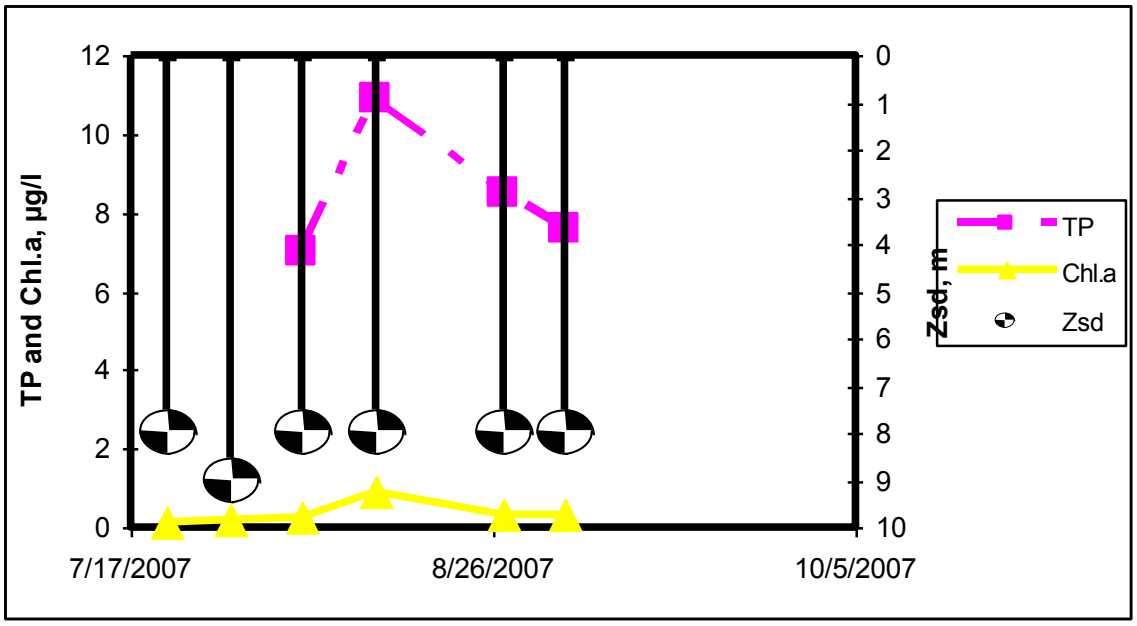


Figure 23j. 2007 Eutrophication Data for Lake George-Hearts Bay (Site 24)

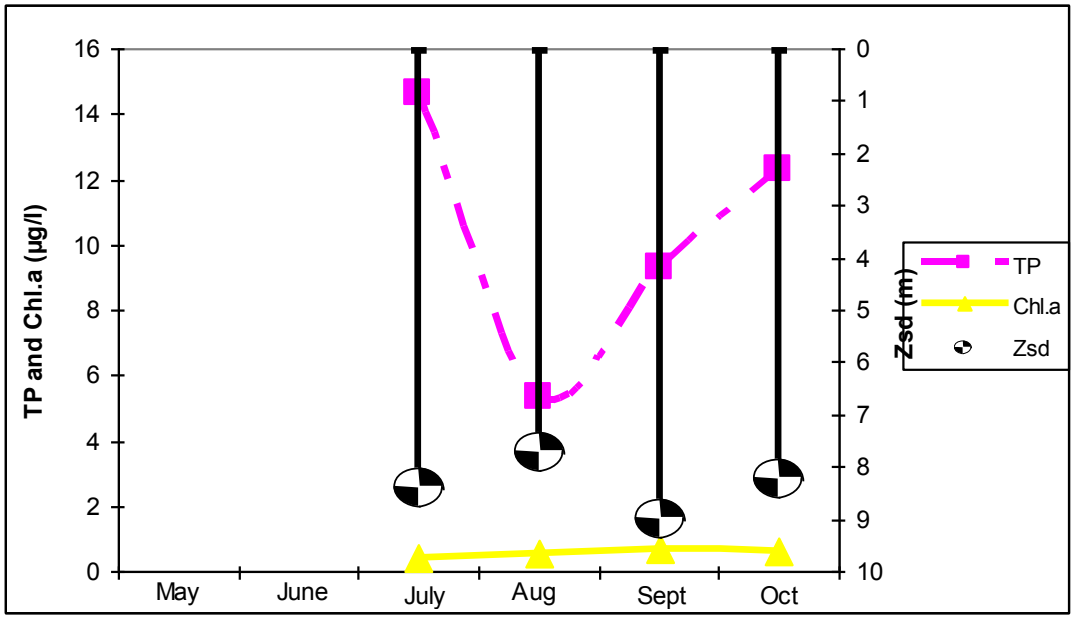


Figure 24j- Eutrophication Data in a Typical (Monthly Mean) Year for Lake George-Hearts Bay (Site 24)

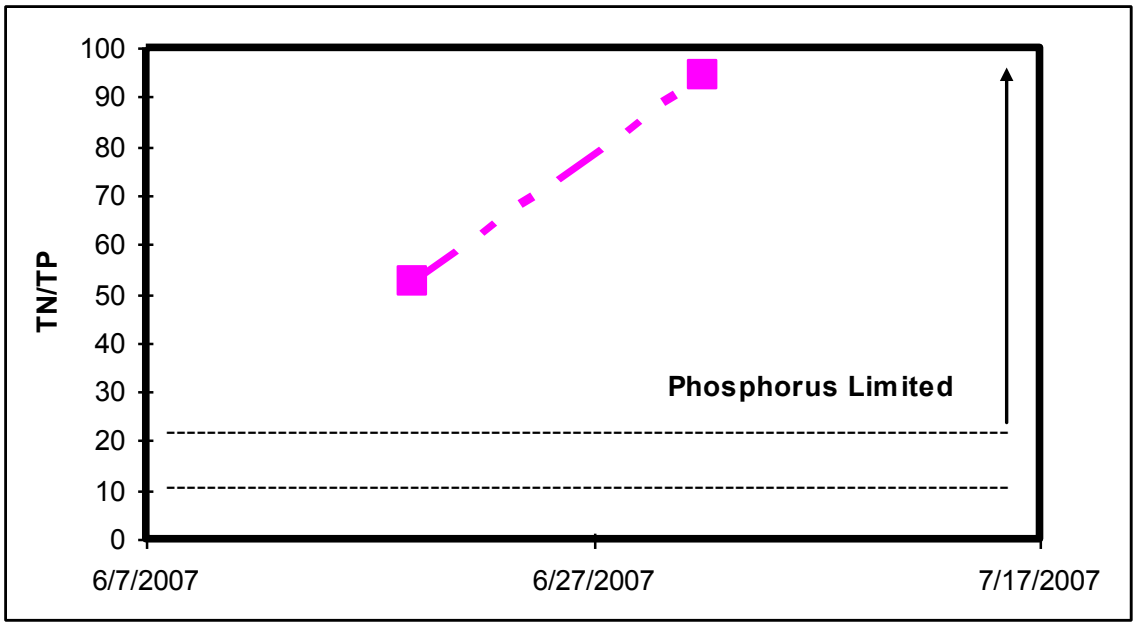


Figure 25a. 2007 Nitrogen-to-Phosphorus Ratios for Lake George-LG Village (Site 1)

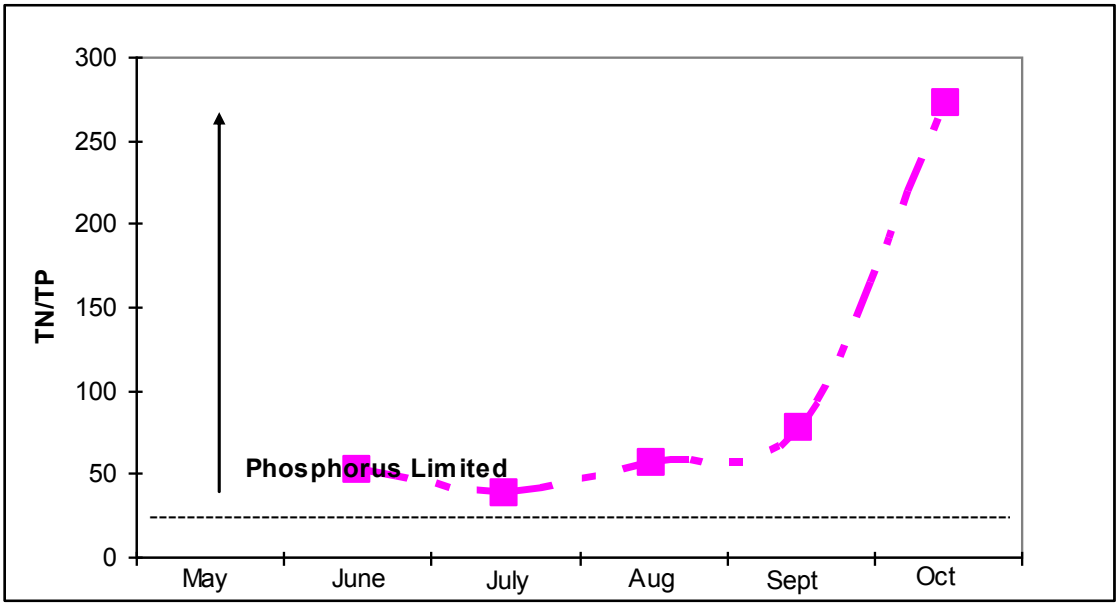


Figure 26a- Nitrogen–to-Phosphorus Ratios in a Typical (Monthly Mean) Year for Lake George- LG Village (Site 1)

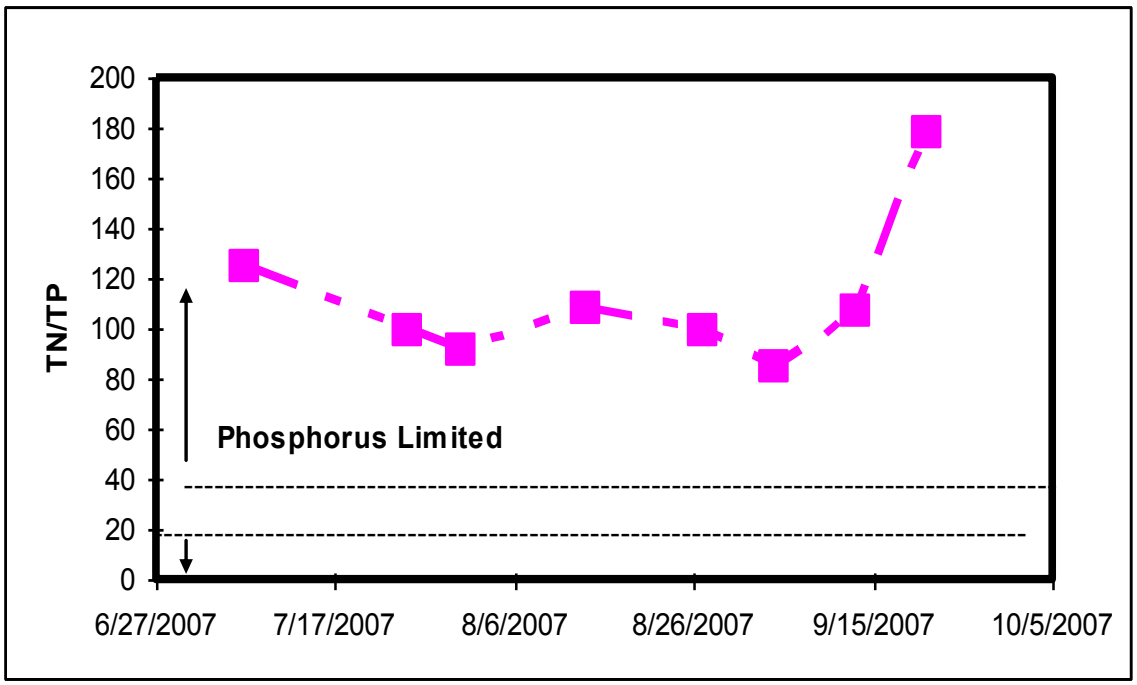


Figure 25b. 2007 Nitrogen-to-Phosphorus Ratios for Lake George-Diamond Island (Site 2)

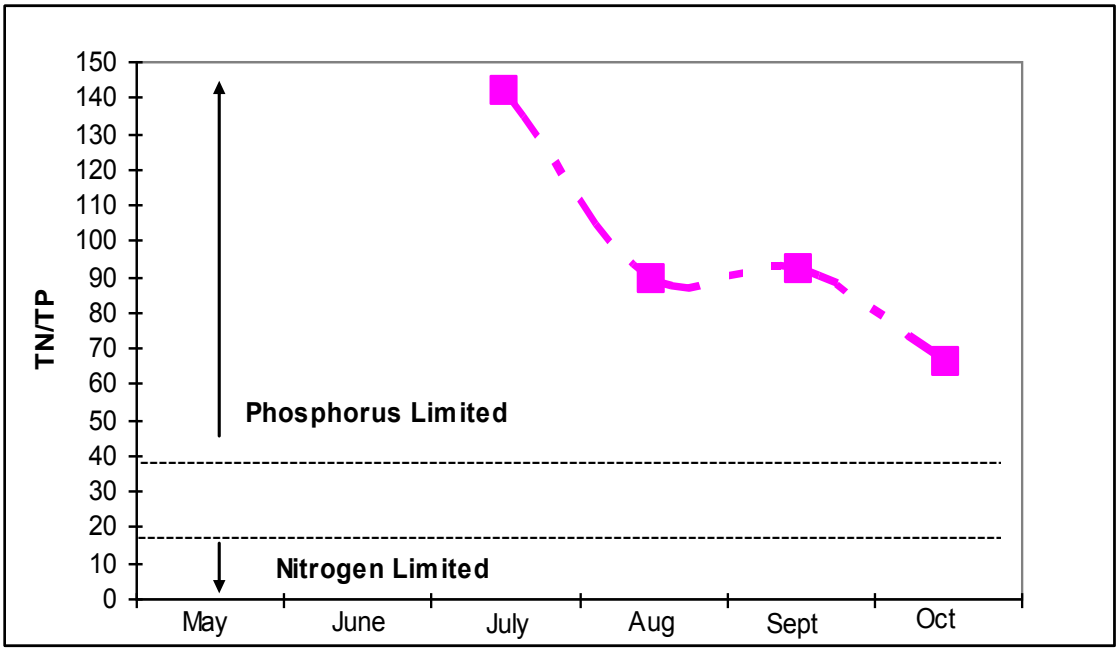


Figure 26b- Nitrogen–to-Phosphorus Ratios in a Typical (Monthly Mean) Year for Lake George- Diamond Island (Site 2)

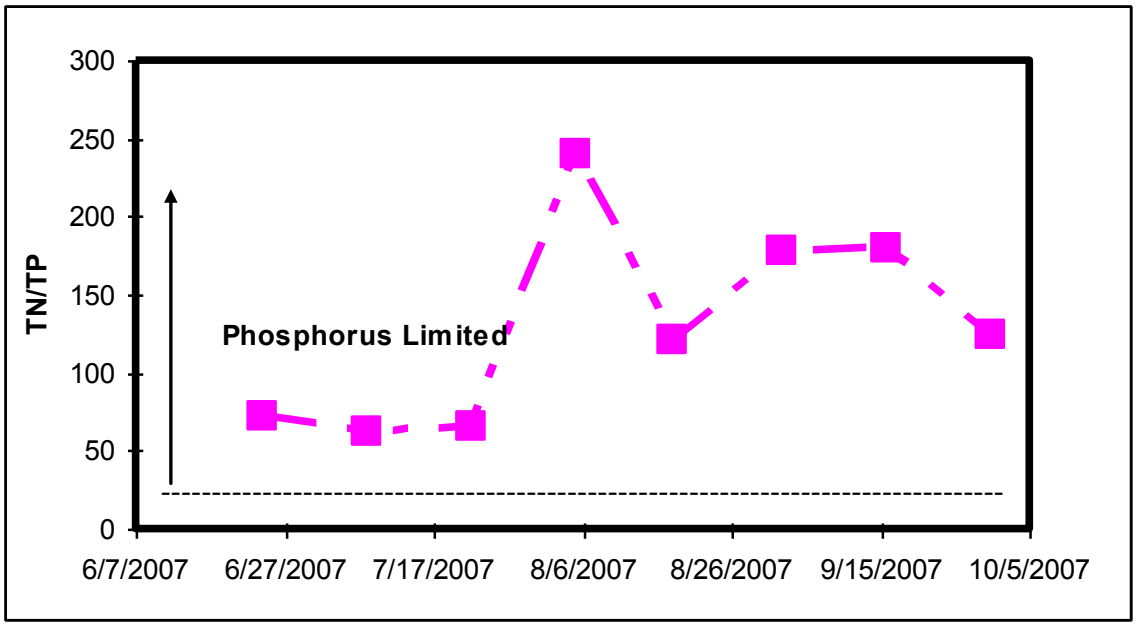


Figure 25c. 2007 Nitrogen-to-Phosphorus Ratios for Lake George-Harris Bay (Site 3)

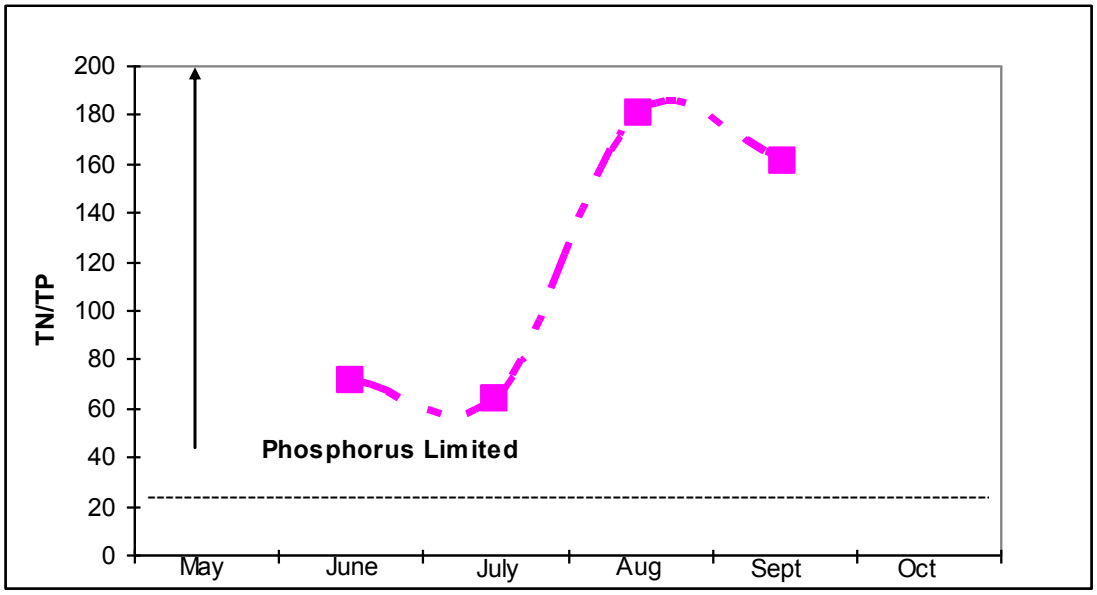


Figure 26c- Nitrogen–to-Phosphorus Ratios in a Typical (Monthly Mean) Year for Lake George- Harris Bay (Site 3)

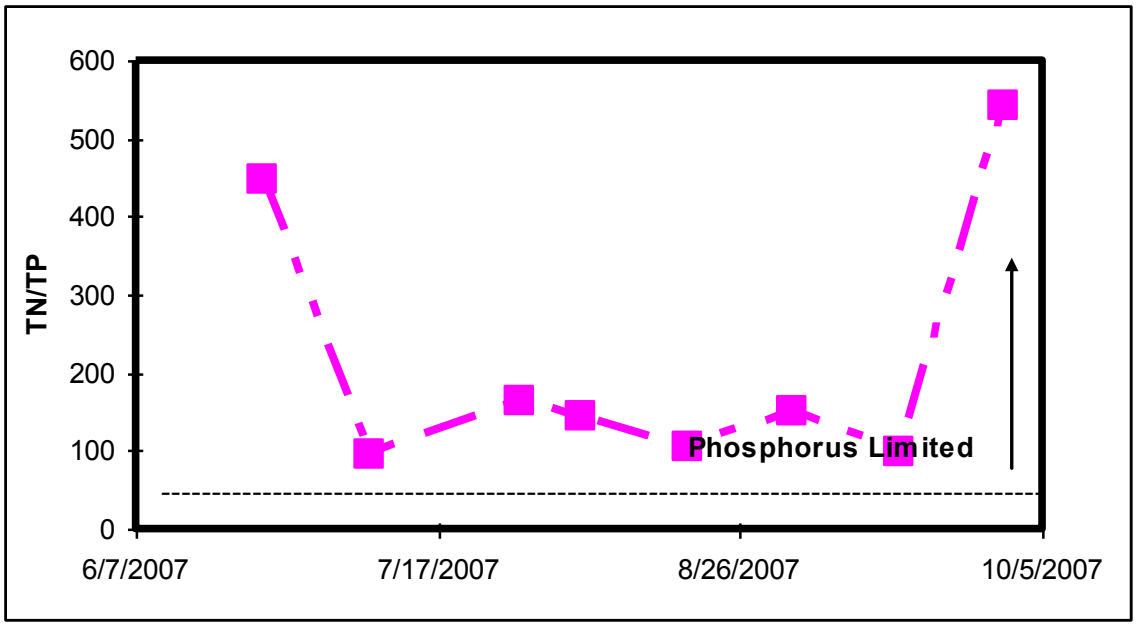


Figure 25d. 2007 Nitrogen-to-Phosphorus Ratios for Lake George-Basin Bay (Site 4)

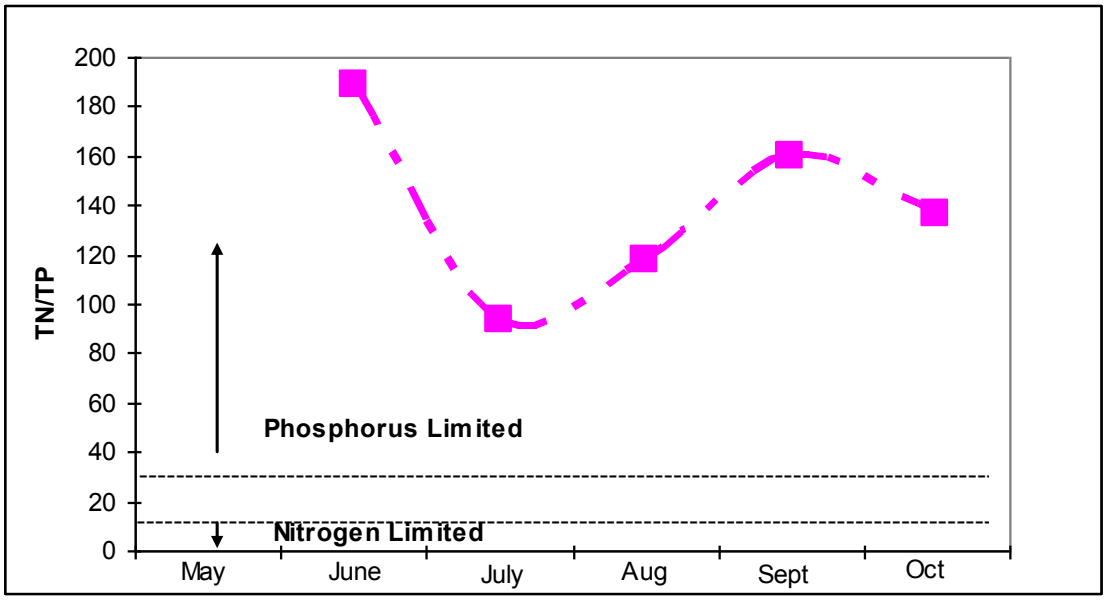


Figure 26d- Nitrogen–to-Phosphorus Ratios in a Typical (Monthly Mean) Year for Lake George- Basin Bay (Site 4)

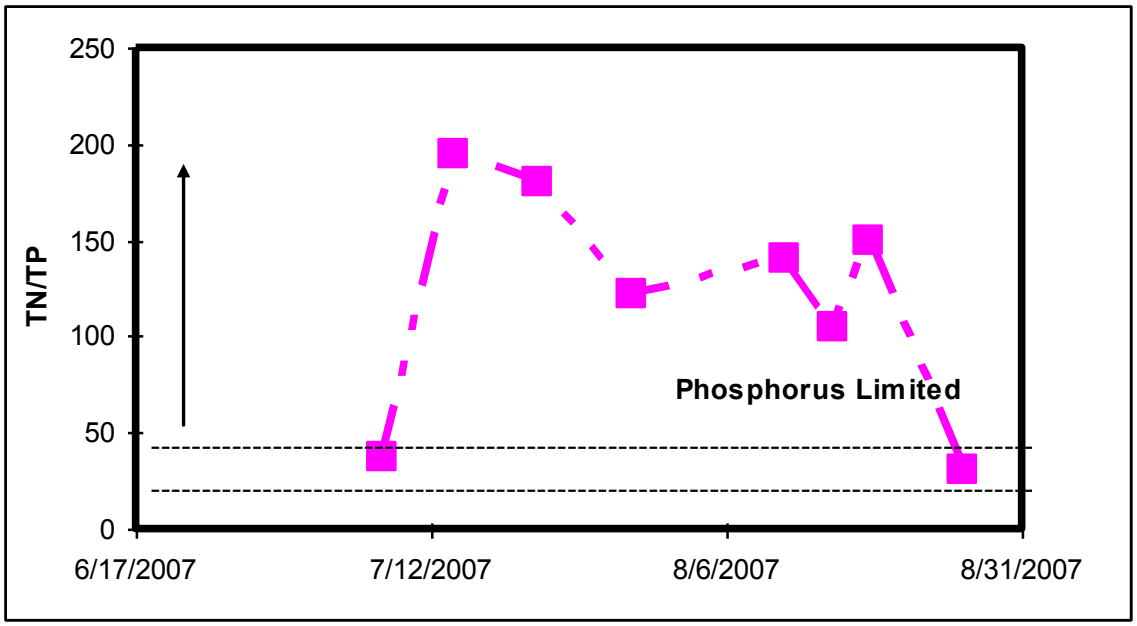


Figure 25e. 2007 Nitrogen-to-Phosphorus Ratios for Lake George-Crown Island (Site 6)

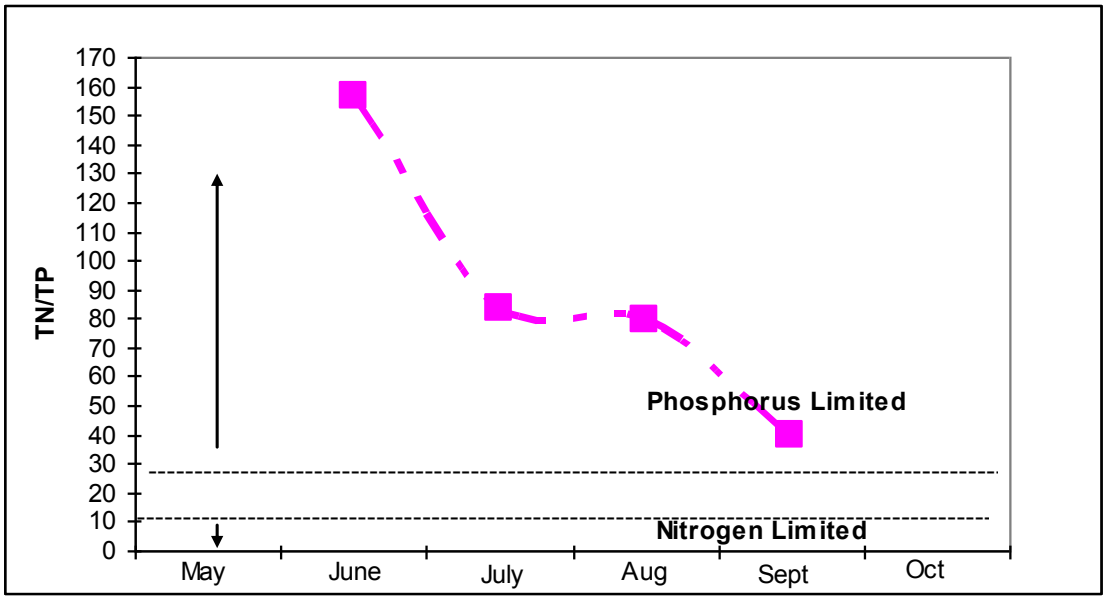


Figure 26e- Nitrogen–to-Phosphorus Ratios in a Typical (Monthly Mean) Year for Lake George- Crown Island (Site 6)

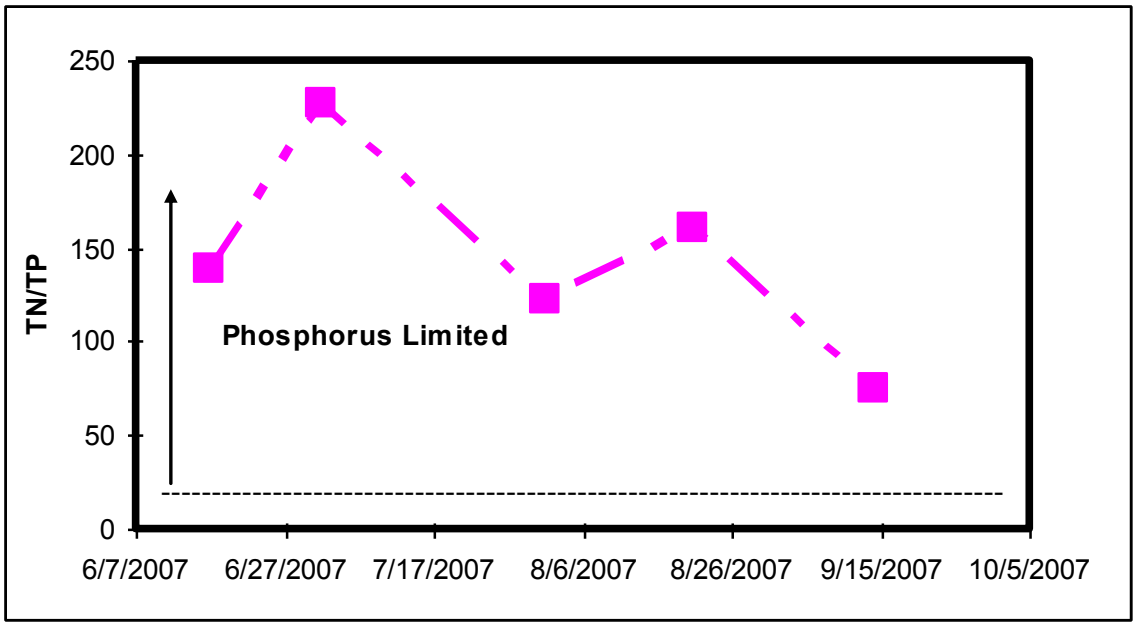


Figure 25f. 2007 Nitrogen-to-Phosphorus Ratios for Lake George-Werner Bay (Site 7)

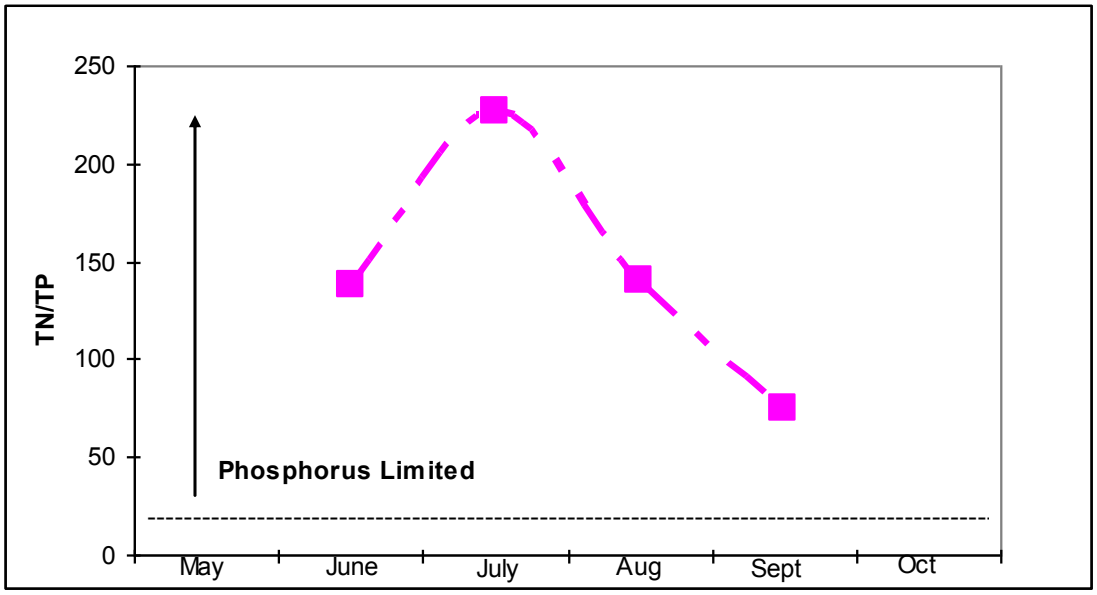


Figure 26f- Nitrogen–to-Phosphorus Ratios in a Typical (Monthly Mean) Year for Lake George- Werner Bay (Site 7)

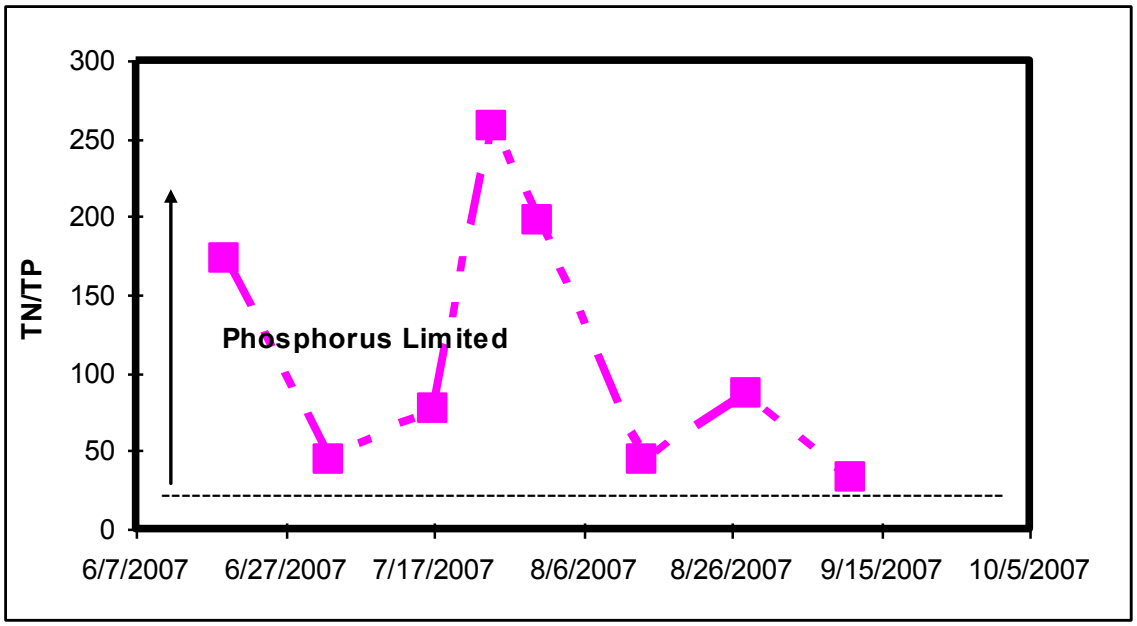


Figure 25g. 2007 Nitrogen-to-Phosphorus Ratios for Lake George-Northwest Bay (Site 11)

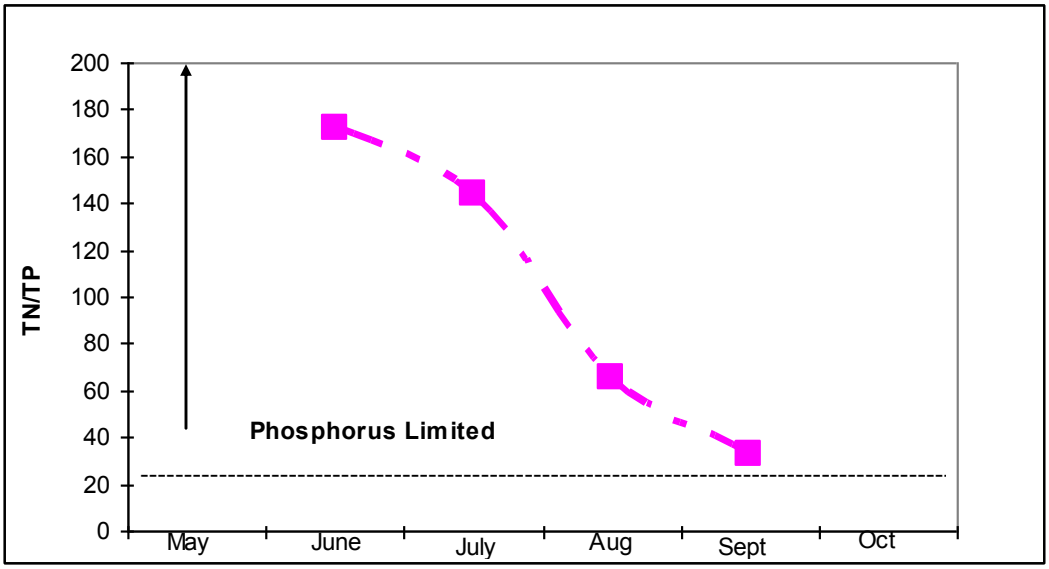


Figure 26g- Nitrogen–to-Phosphorus Ratios in a Typical (Monthly Mean) Year for Lake George- Northwest Bay (Site 11)

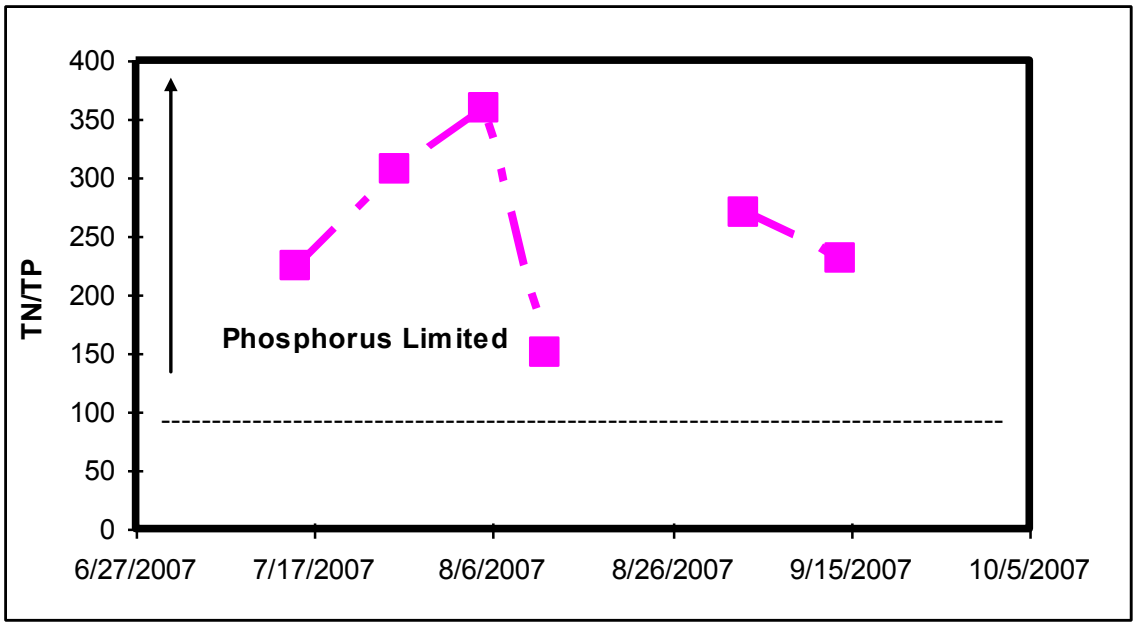


Figure 25h. 2007 Nitrogen-to-Phosphorus Ratios for Lake George- Hewlett's Landing (Site 21)

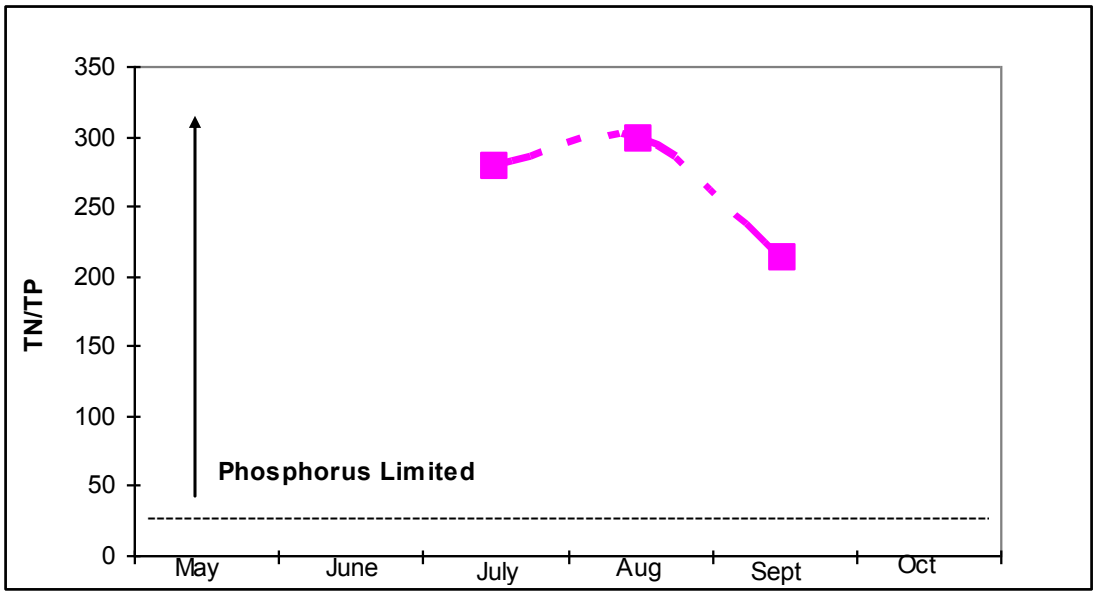


Figure 26h- Nitrogen–to-Phosphorus Ratios in a Typical (Monthly Mean) Year for Lake George- Hewlett's Landing (Site 21)

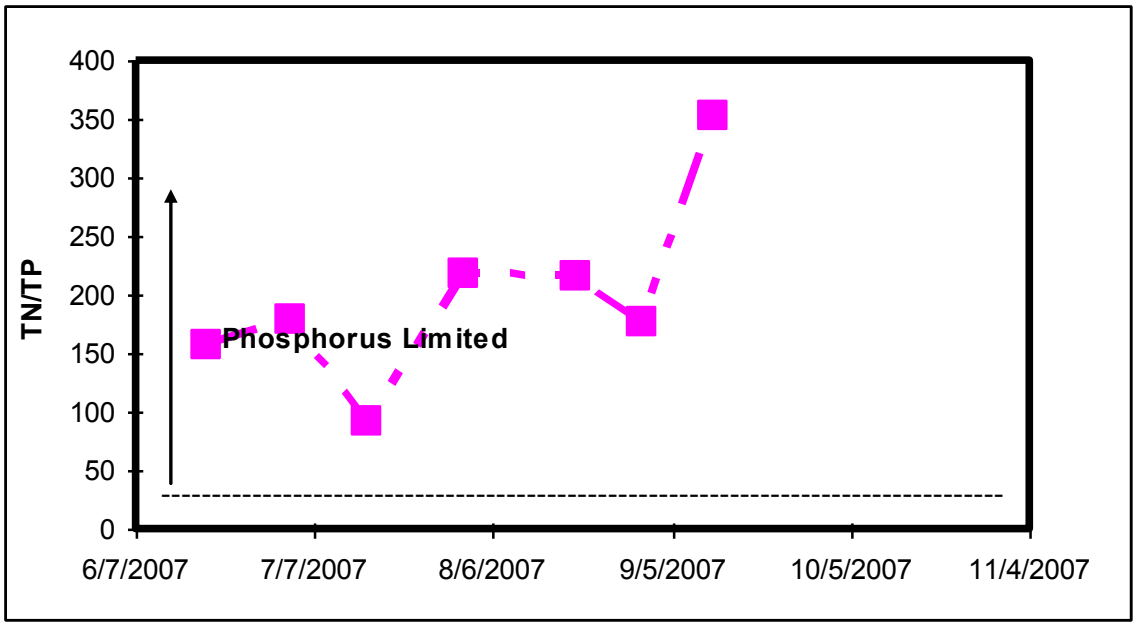


Figure 25i. 2007 Nitrogen-to-Phosphorus Ratios for Lake George- Gull Bay (Site 23)

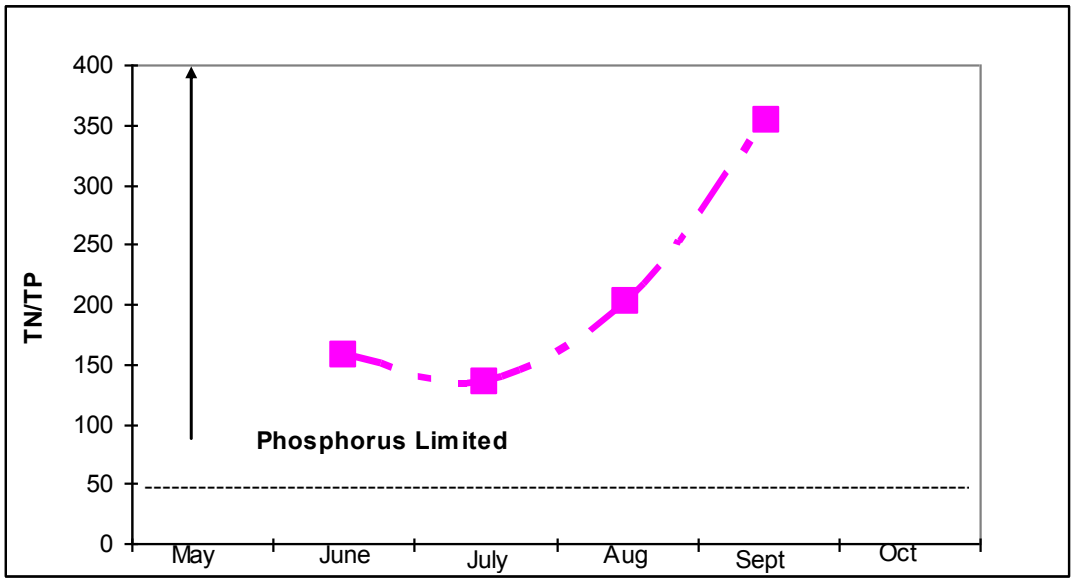


Figure 26i- Nitrogen–to-Phosphorus Ratios in a Typical (Monthly Mean) Year for Lake George- Gull Bay (Site 23)

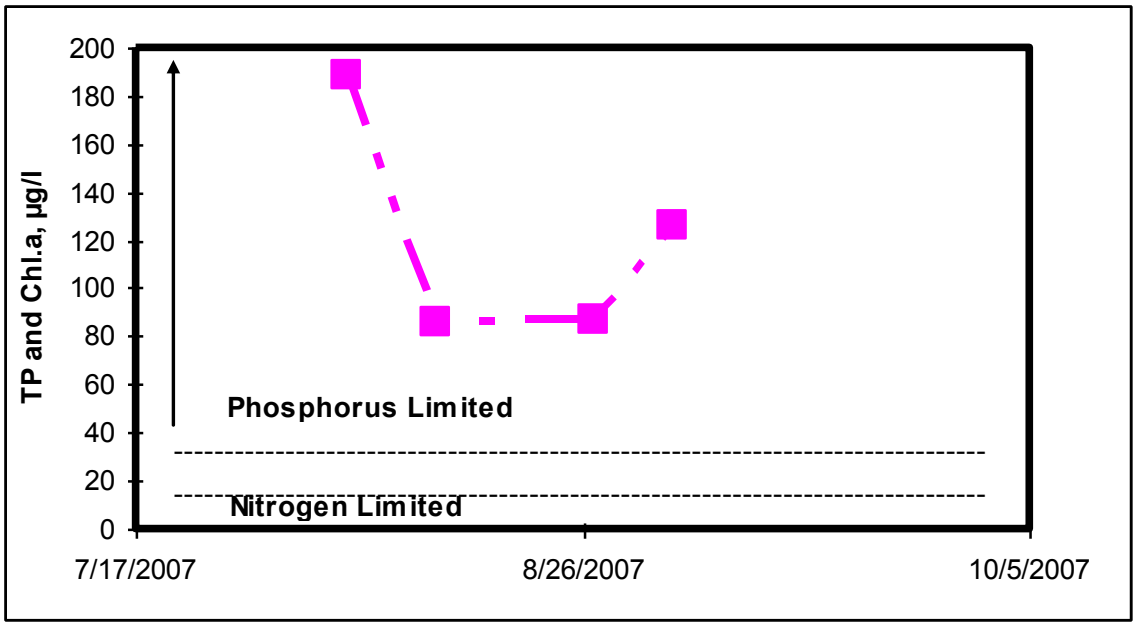


Figure 25j. 2007 Nitrogen-to-Phosphorus Ratios for Lake George- Hearts Bay (Site 24)

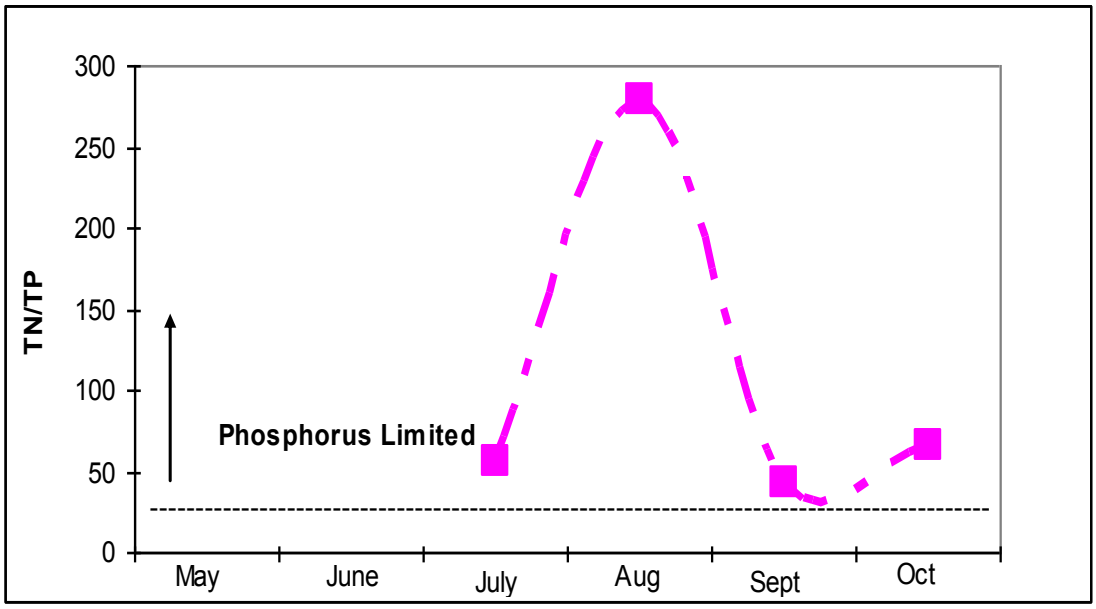


Figure 26j- Nitrogen–to-Phosphorus Ratios in a Typical (Monthly Mean) Year for Lake George- Hearts Bay (Site 24)

Annual Averages, 2004-present: South

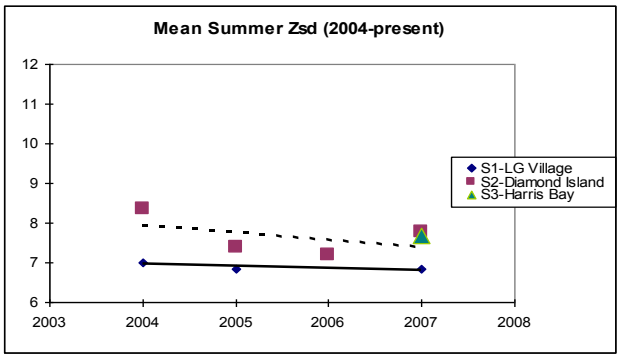


Figure 27a. Annual Average Summer Water Clarity for Lake George-South Lake

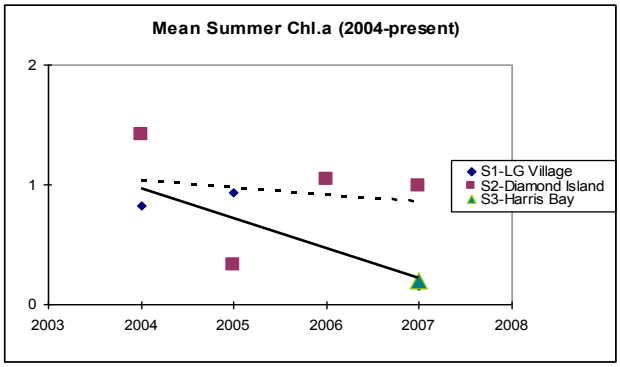


Figure 28a. Annual Average Summer Chlorophyll a for Lake George-South Lake

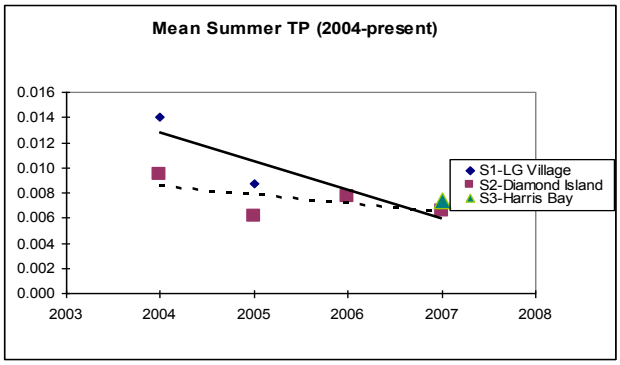


Figure 29a. Annual Average Summer Total Phosphorus for Lake George-South Lake

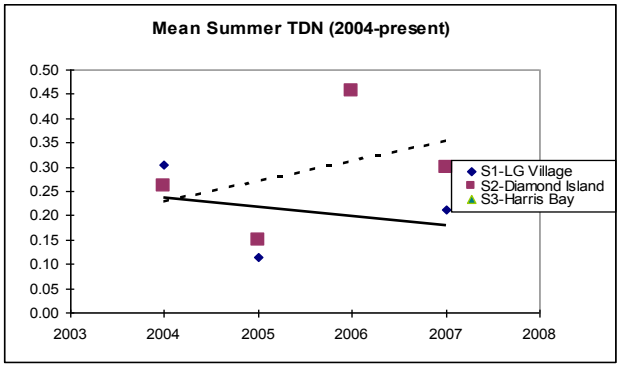


Figure 30a. Annual Average Summer Total Nitrogen for Lake George-South Lake

Wettest Years: 2006, 2005
Driest Years: none
Highest Clarity: 2004, 2007
Lowest Clarity: 2005
Long Term Trend?: None apparent
Discussion: Water clarity readings were highest in 2004 and 2007 and lower in the in-between years, but no long-term trends have been apparent (and will not likely be apparent for at least several years).

Wettest Years: 2006, 2005
Driest Years: none
Highest Chl.a: not consistent among sites
Lowest Chl.a: not consistent among sites
Long Term Trend?: None apparent
Discussion: Algae levels have been consistently very low at all south lake sites, with no trends apparent at any of these sites. The variability from year to year is small and within the measurement "error" associated with this analysis.

Wettest Years: 2006, 2005
Driest Years: none
Highest TP: 2004
Lowest TP: 2007
Long Term Trend?: Decreasing?
Discussion: Phosphorus readings were generally lower in 2007 than in 2004 in the sites in which it was sampled in these years, but it is not likely that this represents a trend.

Wettest Years: 2006, 2005
Driest Years: none
Highest Total N: not consistent among sites
Lowest Total N: 2005
Long Term Trend?: None apparent
Discussion: Total nitrogen readings have varied from year to year in a manner that does not appear to be statistically significant.

Annual Averages, 2004-present: South

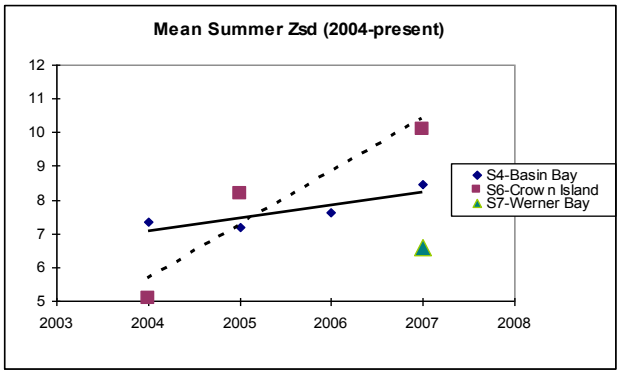


Figure 27b. Annual Average Summer Water Clarity for Lake George- Mid Lake

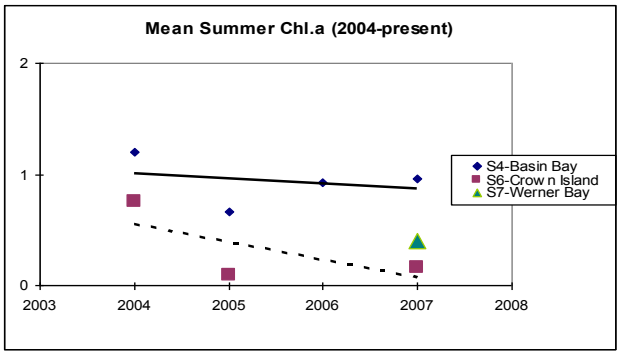


Figure 28b. Annual Average Summer Chlorophyll a for Lake George-Mid Lake

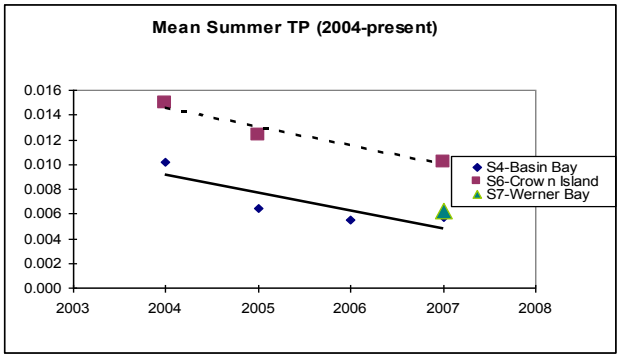


Figure 29b. Annual Average Summer Total Phosphorus for Lake George-Mid Lake

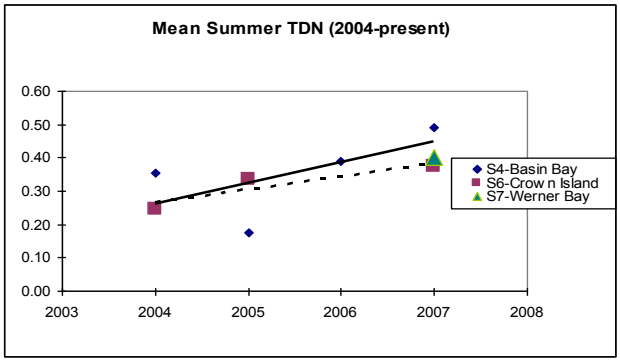


Figure 30b. Annual Average Summer Total Nitrogen for Lake George-Mid Lake

Wettest Years:	2006, 2005
Driest Years:	none
Highest Clarity:	2007
Lowest Clarity:	Not consistent among sites
Long Term Trend?:	Increasing?
Discussion:	Water clarity readings higher in 2007 than in previous years in two of the mid lake sites, although it is not yet known if this represents a trend or normal variability in water clarity in this part of the lake.

Wettest Years:	2006, 2005
Driest Years:	none
Highest Chl.a:	2004
Lowest Chl.a:	2005
Long Term Trend?:	None apparent
Discussion:	Algae levels have been consistently very low at all mid lake sites, with no trends apparent at any of these sites. The variability from year to year is small and within the measurement "error" associated with this analysis.

Wettest Years:	2006, 2005
Driest Years:	none
Highest TP:	2004
Lowest TP:	2007
Long Term Trend?:	Decreasing?
Discussion:	Phosphorus readings were generally lower in 2006 and 2007 than in 2004 in the sites in which it was sampled in these years in the mid lake sites, but it is not likely that this represents a trend.

Wettest Years:	2006, 2005
Driest Years:	none
Highest Total N:	2007
Lowest Total N:	Not consistent among sites
Long Term Trend?:	None apparent
Discussion:	Total nitrogen readings have varied from year to year in a manner that does not appear to be statistically significant.

Annual Averages, 2004-present: North

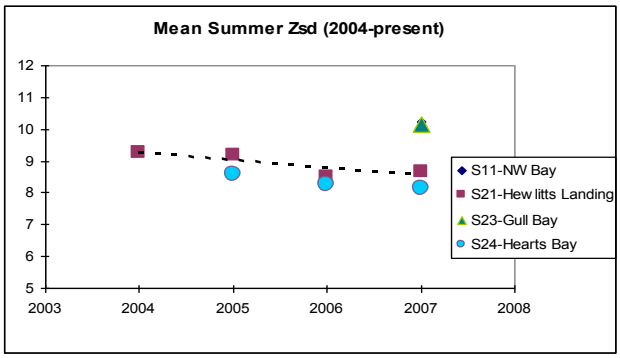


Figure 27c. Annual Average Summer Water Clarity for Lake George- North Lake

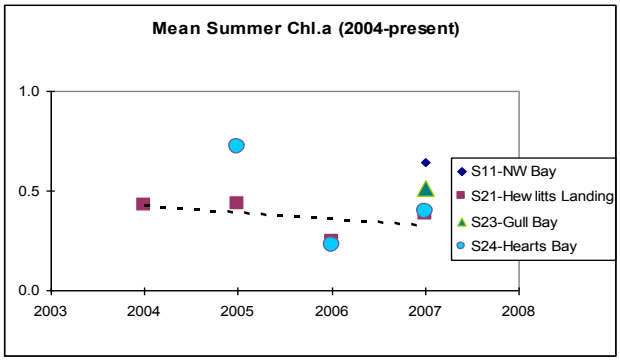


Figure 28c. Annual Average Summer Chlorophyll a for Lake George-North Lake

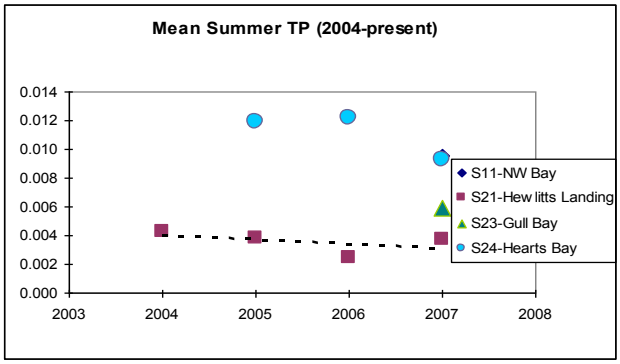


Figure 29b. Annual Average Summer Total Phosphorus for Lake George-Mid Lake

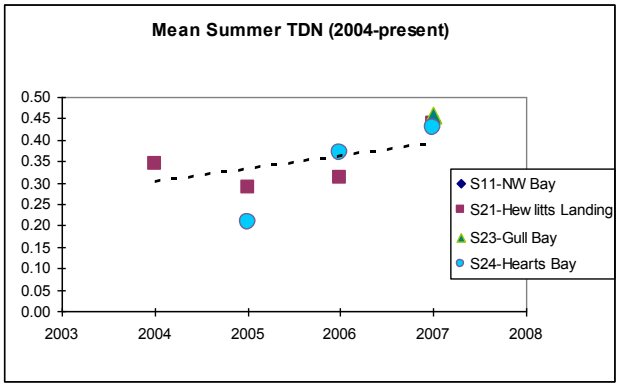


Figure 30c. Annual Average Summer Total Nitrogen for Lake George-North Lake

Wettest Years:	2006, 2005
Driest Years:	none
Highest Clarity:	Not consistent among sites
Lowest Clarity:	Not consistent among sites
Long Term Trend?:	Decreasing?
Discussion:	Water clarity readings were lower in 2007 than in previous years in two of the north lake sites, although it is not yet known if this represents a trend or normal variability in water clarity in this part of the lake.

Wettest Years:	2006, 2005
Driest Years:	none
Highest Chl.a:	Not consistent among sites
Lowest Chl.a:	2006?
Long Term Trend?:	None apparent
Discussion:	Algae levels have been consistently very low at all north lake sites, with no trends apparent at any of these sites. The variability from year to year is small and within the measurement "error" associated with this analysis.

Wettest Years:	2006, 2005
Driest Years:	none
Highest TP:	Not consistent among sites
Lowest TP:	Not consistent among sites
Long Term Trend?:	Decreasing?
Discussion:	Phosphorus readings have varied slightly from year to year at the north lake sites, and no long-term trends have been apparent. Phosphorus levels were consistently higher in the Hearts Bay site than in other sites in the mid and north regions of the lake

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Wettest Years:	2006, 2005
Driest Years:	none
Highest Total N:	2007
Lowest Total N:	Not consistent among sites
Long Term Trend?:	Increasing?
Discussion:	Total nitrogen readings were slightly higher in 2007 than in previous years, but it is not likely that this represents a long-term trend.

Annual Averages, 2004-present: South

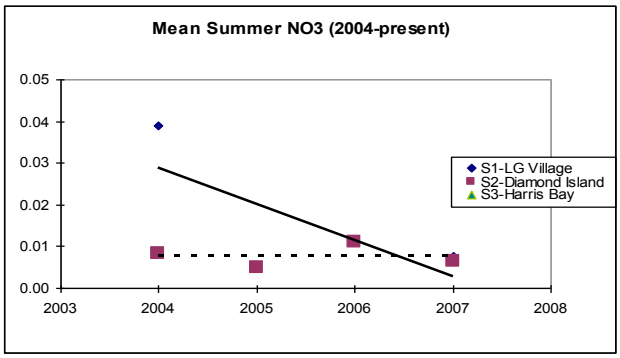

Figure 31a. Annual Average Summer Nitrate for Lake George-South

Wettest Years: 2006, 2005
Driest Years: none
Highest Nitrate: Not consistent among sites
Lowest Nitrate: 2005
Long Term Trend?: None apparent
Discussion: Nitrate readings have been low in the southern sites in nearly all samples, and no long-term trends are apparent.

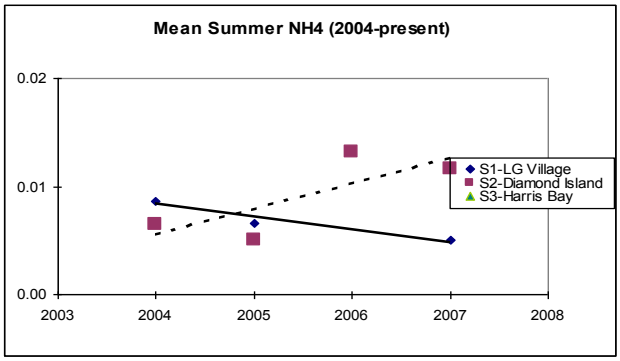

Figure 32a. Annual Average Summer Ammonia for Lake George-South

Wettest Years: 2006, 2005
Driest Years: none
Highest Ammonia: 2006?
Lowest Ammonia: Not consistent among sites
Long Term Trend?: None apparent
Discussion: Ammonia readings have varied slightly from year to year in a manner that does not appear to be statistically significant.

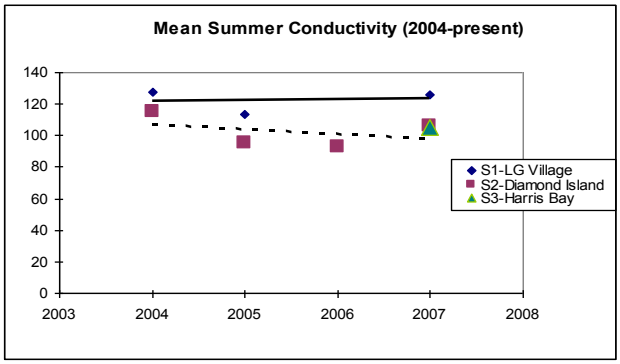

Figure 33a. Annual Average Summer Conductivity for Lake George-South

Wettest Years: 2006, 2005
Driest Years: none
Highest Cond.: Not consistent among sites
Lowest Cond.: Not consistent among sites
Long Term Trend?: None apparent
Discussion: Conductivity readings have varied slightly from year to year in a manner that does not appear to be statistically significant. Readings were consistently higher in Lake George Village than in the Diamond Island site.

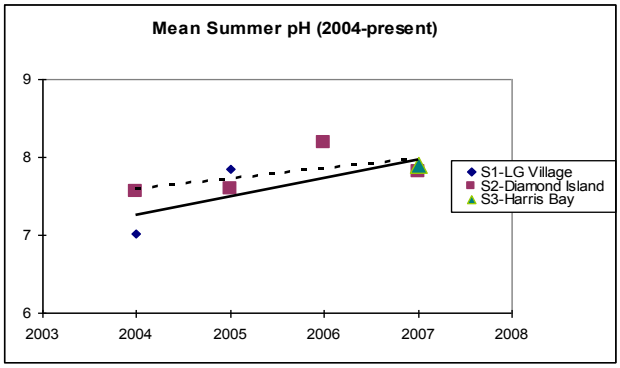

Figure 34a. Annual Average Summer pH for Lake George-South

Wettest Years: 2006, 2005
Driest Years: none
Highest pH: Not consistent among sites
Lowest pH: Not consistent among sites
Long Term Trend?: Increasing?
Discussion: pH readings have generally been higher in the last two years than in the first few years of CSLAP sampling, although it is not known if this represents a long-term trend.

Annual Averages, 2004-present: South

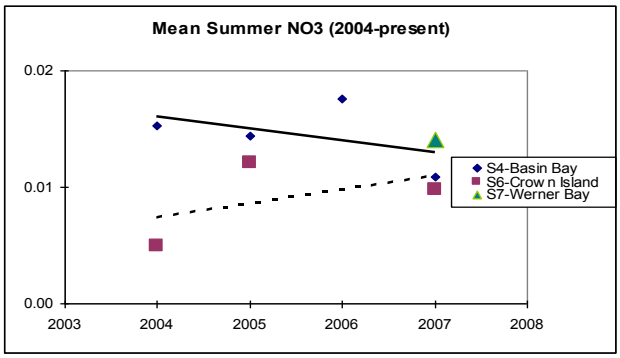

Figure 31b. Annual Average Summer Nitrate for Lake George-Mid

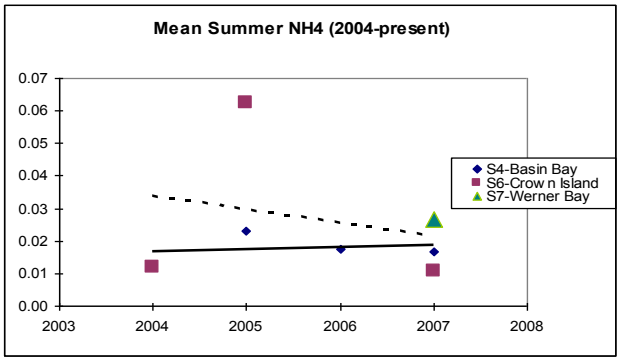

Figure 32b. Annual Average Summer Ammonia for Lake George-Mid

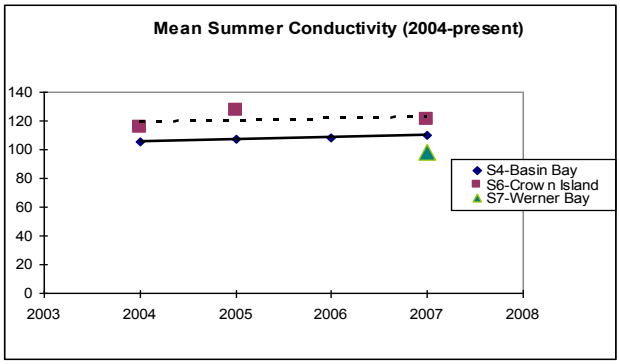

Figure 33b. Annual Average Summer Conductivity for Lake George-Mid

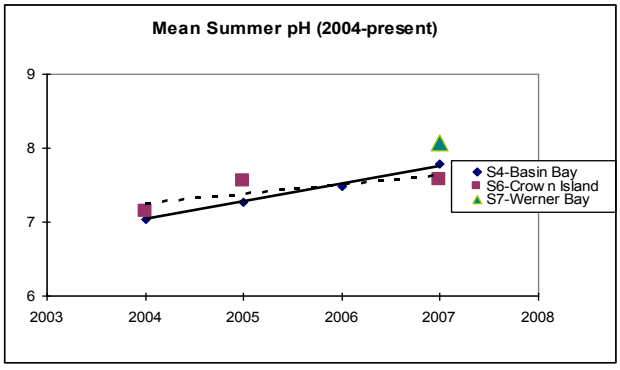

Figure 34b. Annual Average Summer pH for Lake George-Mid

Wettest Years: 2006, 2005
Driest Years: none
Highest Nitrate: Not consistent among sites
Lowest Nitrate: Not consistent among sites
Long Term Trend?: None apparent
Discussion: Nitrate readings have varied slightly from year to year in a manner that does not appear to be statistically significant.

Wettest Years: 2006, 2005
Driest Years: none
Highest Ammonia: 2005
Lowest Ammonia: 2007
Long Term Trend?: None apparent
Discussion: Ammonia readings have been very stable in the last four years, and nearly all readings have been fairly low. No long-term trends have been apparent.

Wettest Years: 2006, 2005
Driest Years: none
Highest Cond.: Not consistent among sites
Lowest Cond.: Not consistent among sites
Long Term Trend?: None apparent
Discussion: Conductivity readings have varied slightly from year to year in a manner that does not appear to be statistically significant.

Wettest Years: 2006, 2005
Driest Years: none
Highest pH: 2007
Lowest pH: 2004
Long Term Trend?: Increasing?
Discussion: pH readings have increased in the last four years, despite no consistent conductivity trends over the same period, but it is not yet known if this represents a long-term trend.

Annual Averages, 2004-present: North

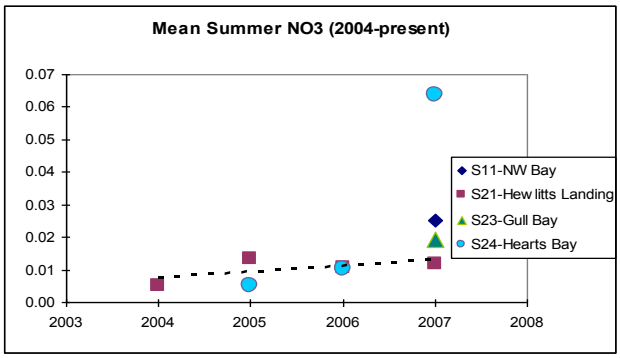

Figure 31c. Annual Average Summer Nitrate for Lake George-North

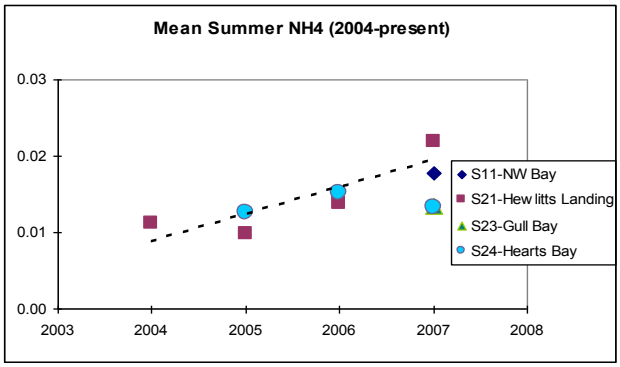

Figure 32c. Annual Average Summer Ammonia for Lake George-North

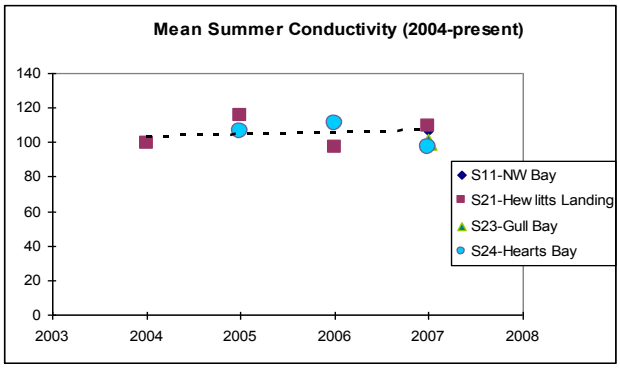

Figure 33c. Annual Average Summer Conductivity for Lake George-North

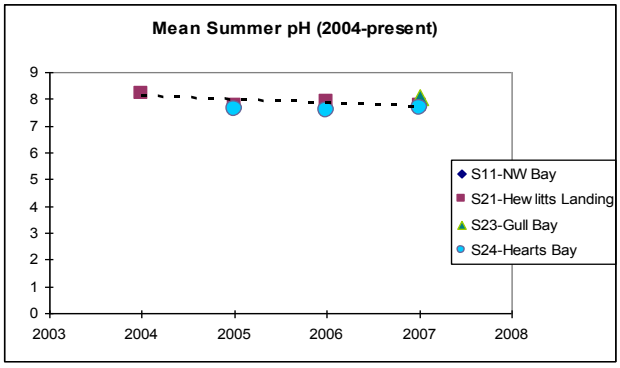

Figure 34c. Annual Average Summer pH for Lake George-North

Wettest Years: 2006, 2005
Driest Years: none
Highest Nitrate: 2007
Lowest Nitrate: Not consistent among sites?
Long Term Trend?: None apparent
Discussion: Nitrate readings were slightly higher than normal in 2007, but no long-term trends have been apparent.

Wettest Years: 2006, 2005
Driest Years: none
Highest Ammonia: 2007
Lowest Ammonia: 2005
Long Term Trend?: Increasing?
Discussion: Ammonia readings have increased slightly in the last several years, but it is premature to assess any long-term trends based on these data.

Wettest Years: 2006, 2005
Driest Years: none
Highest Cond.: Not consistent among sites
Lowest Cond.: Not consistent among sites
Long Term Trend?: None apparent
Discussion: Conductivity readings have varied slightly from year to year in a manner that does not appear to be statistically significant.

Wettest Years: 2006, 2005
Driest Years: none
Highest pH: Not consistent among sites
Lowest pH: Not consistent among sites
Long Term Trend?: None apparent
Discussion: pH readings have varied slightly from year to year in a manner that does not appear to be statistically significant.

Annual Averages, 2004-present: South

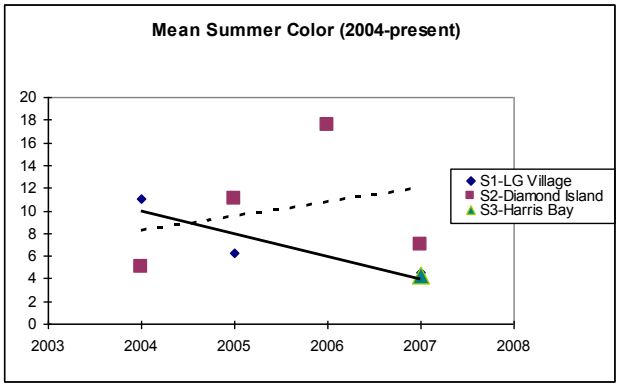

Figure 35a. Annual Average Summer Color for Lake George-South

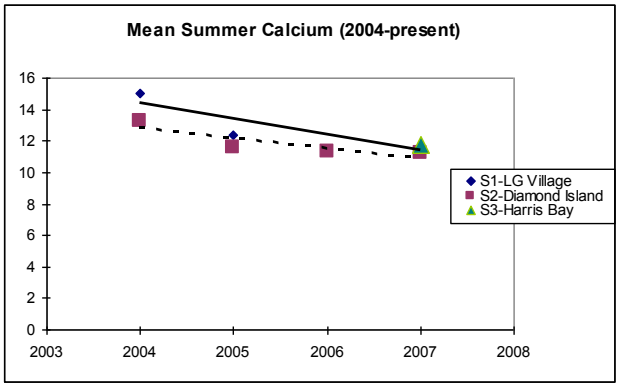

Figure 36a. Annual Average Summer Calcium for Lake George-South

Wettest Years: 2006, 2005
Driest Years: none
Highest Color: 2006?
Lowest Color: 2007
Long Term Trend?: None apparent
Discussion: Color readings have been somewhat variable from year to year, and despite the rise in color in 2006, no long-term trends have been apparent.

Wettest Years: 2006, 2005
Driest Years: none
Highest Calcium: 2004
Lowest Calcium: 2007
Long Term Trend?: Decreasing?
Discussion: Calcium levels have decreased over the last four years, but it is not known if these lower readings represent a long-term decrease in calcium levels in the southern Lake George sites.

Annual Averages, 2004-present: South

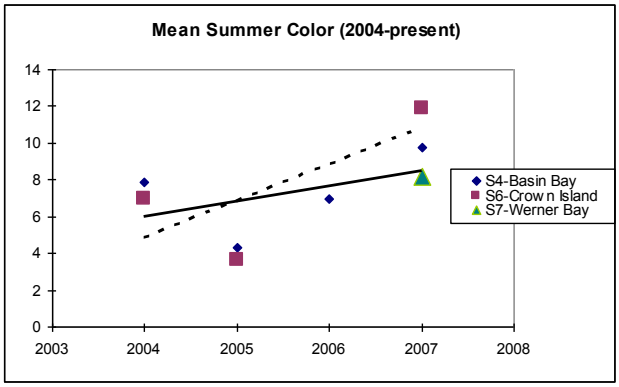

Figure 35b. Annual Average Summer Color for Lake George-Mid

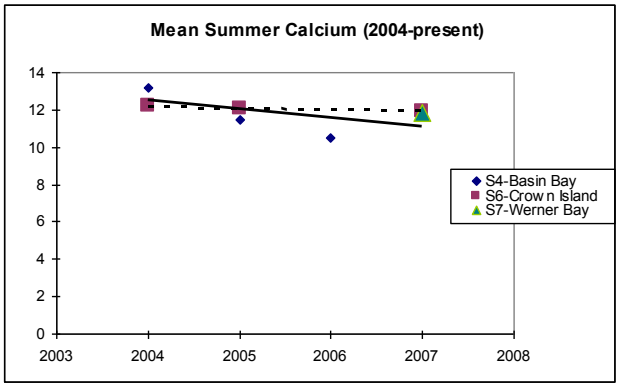

Figure 36b. Annual Average Summer Calcium for Lake George-Mid

Wettest Years: 2006, 2005
Driest Years: none
Highest Color: 2005
Lowest Color: 2007
Long Term Trend?: Increasing?
Discussion: Color readings were higher than normal in 2007, but it is not known if this represents an increase in color or normal variability in the lake.

Wettest Years: 2006, 2005
Driest Years: none
Highest Calcium: Not consistent among sites
Lowest Calcium: 2004
Long Term Trend?: Decreasing?
Discussion: Calcium levels have generally decreased in the sites exhibited in Figure 36b, but it is not yet known if this represents a long-term pattern.

Annual Averages, 2004-present: North

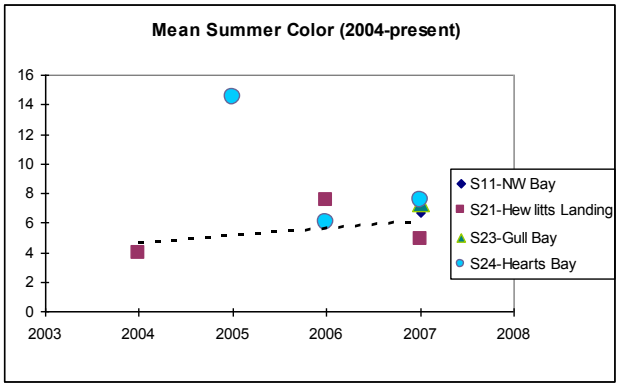

Figure 35c. Annual Average Summer Color for Lake George-North

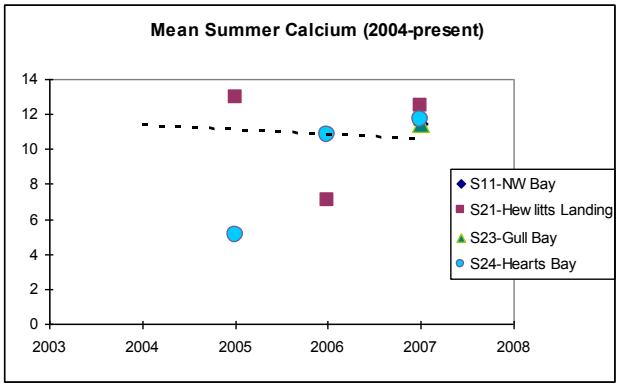

Figure 36c. Annual Average Summer Calcium for Lake George-North

Wettest Years: 2006, 2005
Driest Years: none
Highest Color: Not consistent among sites
Lowest Color: Not consistent among sites
Long Term Trend?: None apparent
Discussion: Color readings have been somewhat variable from year to year, and no long-term trends have been apparent.

Wettest Years: 2006, 2005
Driest Years: none
Highest Calcium: Not consistent among sites
Lowest Calcium: Not consistent among sites
Long Term Trend?: None apparent
Discussion: Calcium levels have varied slightly from year to year, with no apparent long-term trends.

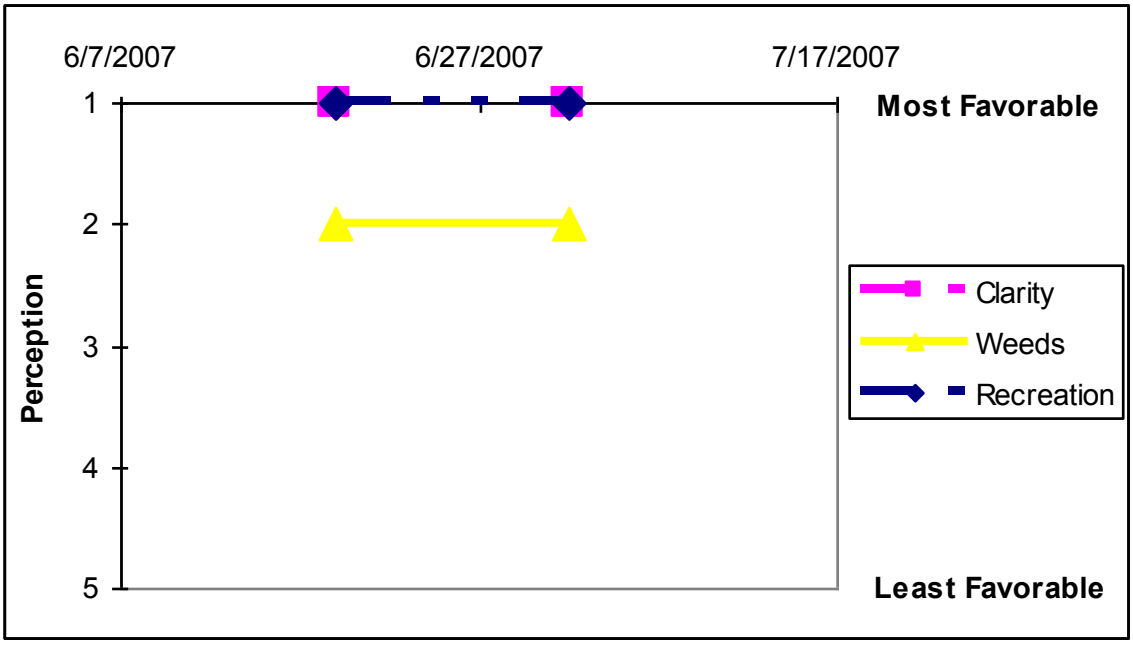

Figure 38a. 2007 Lake Perception Data for Lake George- LG Village (Site 1)

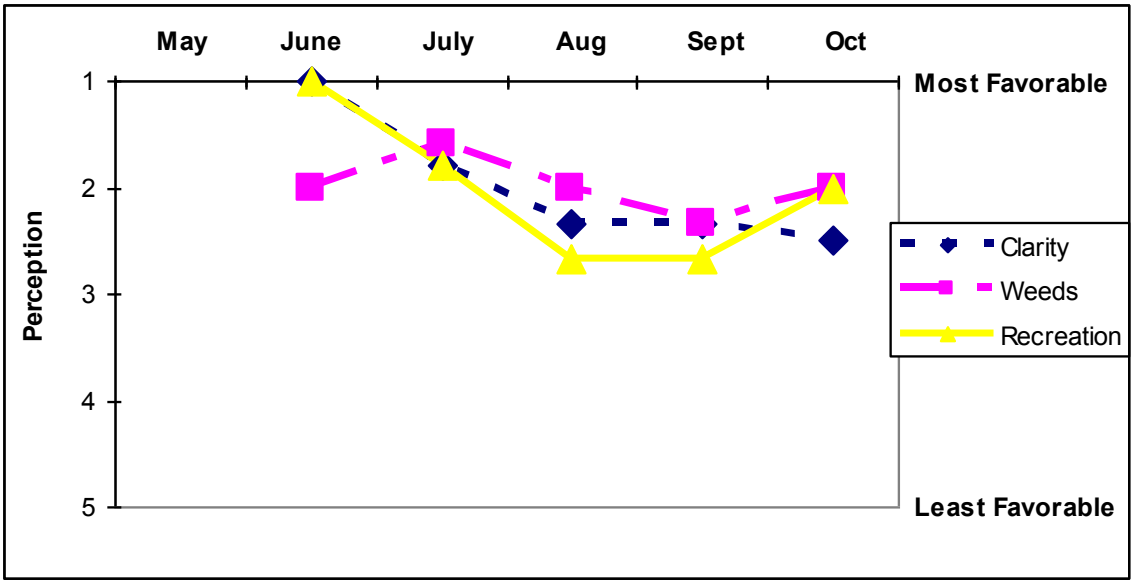

Figure 39a- Lake Perception Data in a Typical (Monthly Mean) Year for Lake George- LG Village (Site 1)

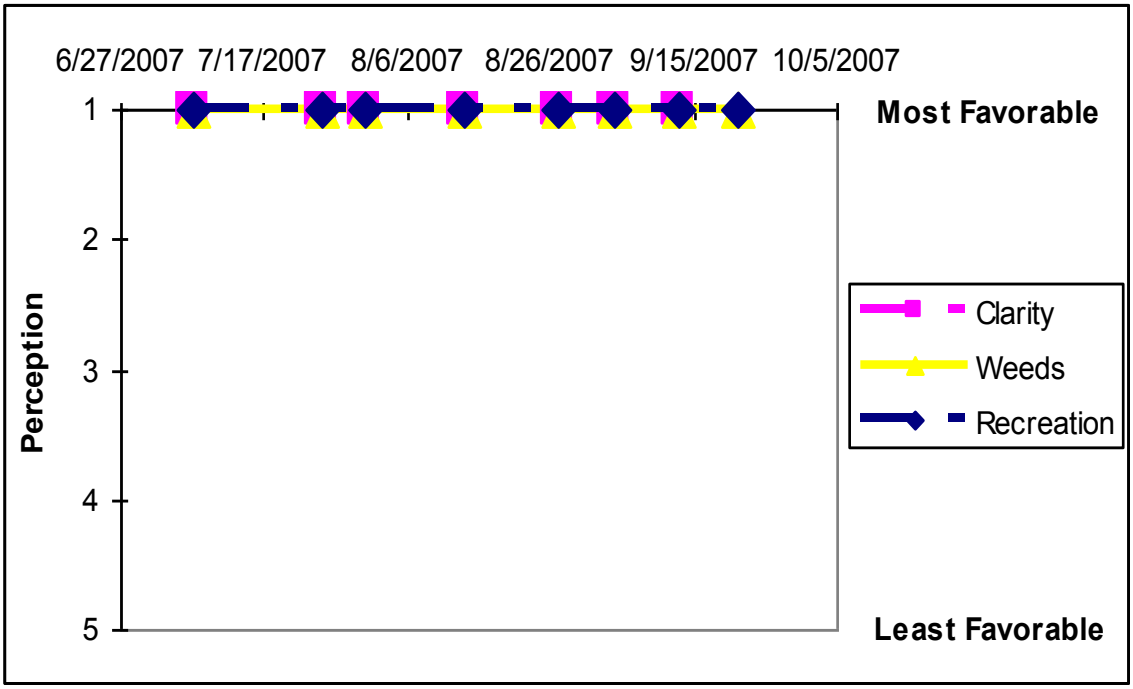

Figure 38b. 2007 Lake Perception Data for Lake George- Diamond Island (Site 2)

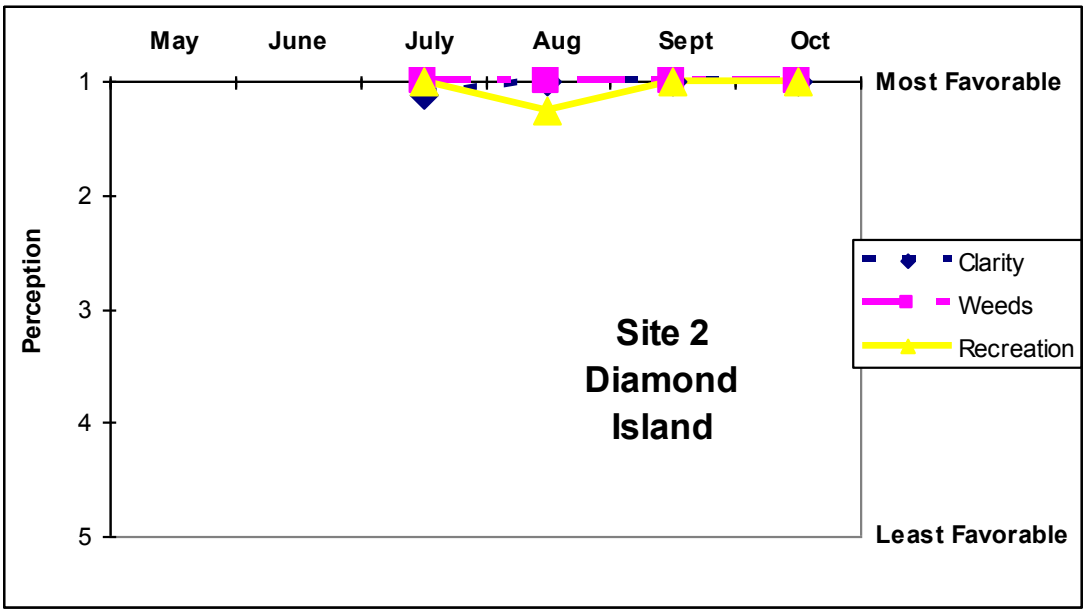

Figure 39b- Lake Perception Data in a Typical (Monthly Mean) Year for Lake George- Diamond Island (Site 2)

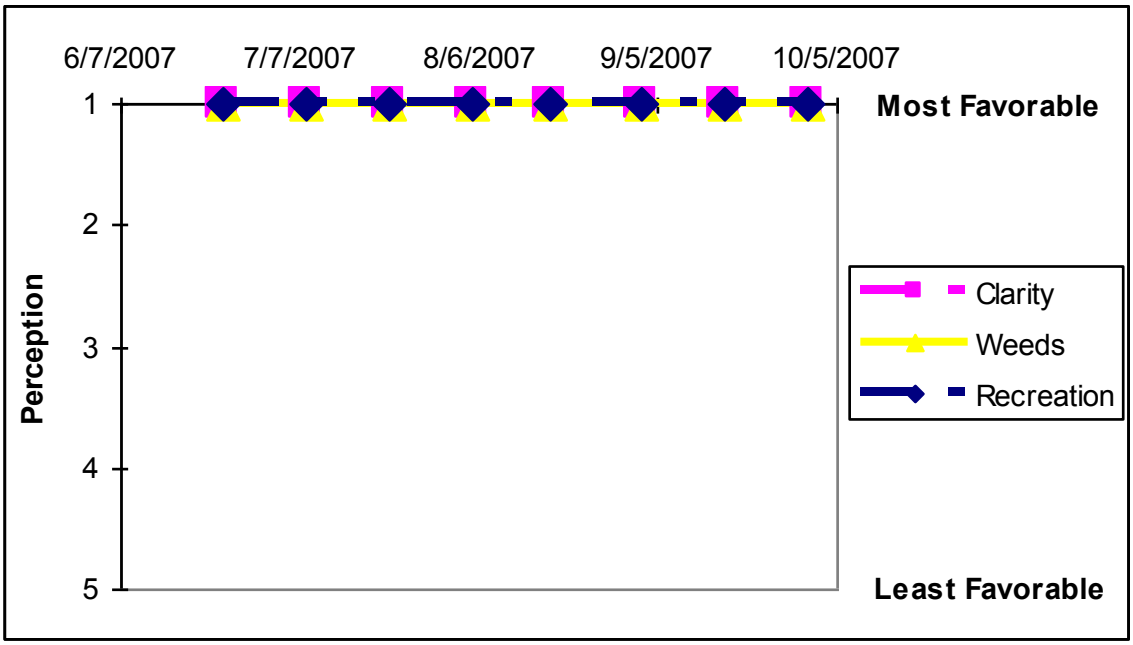

Figure 38c. 2007 Lake Perception Data for Lake George- Harris Bay (Site 3)

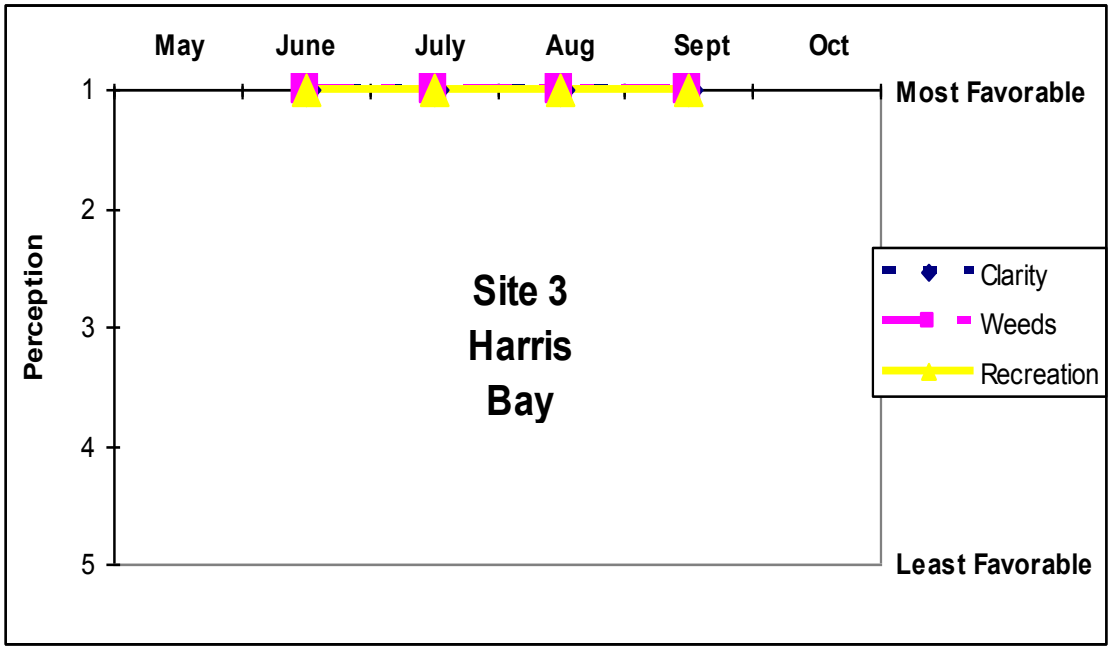

Figure 39c- Lake Perception Data in a Typical (Monthly Mean) Year for Lake George- Harris Bay (Site 3)

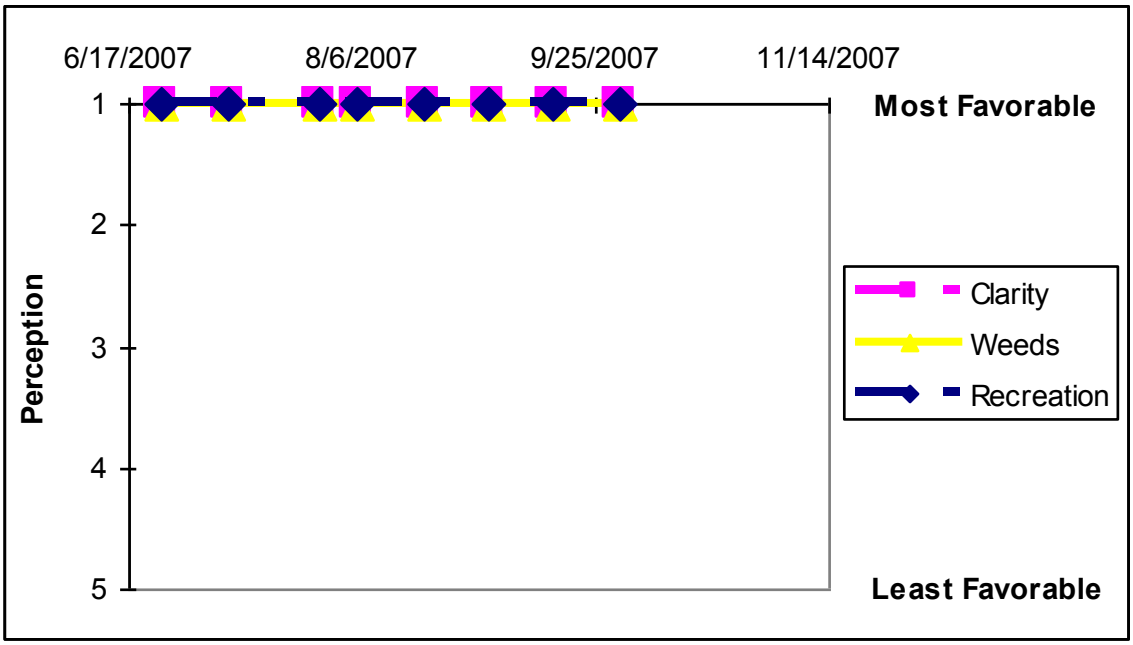

Figure 38d. 2007 Lake Perception Data for Lake George- Basin Bay (Site 4)

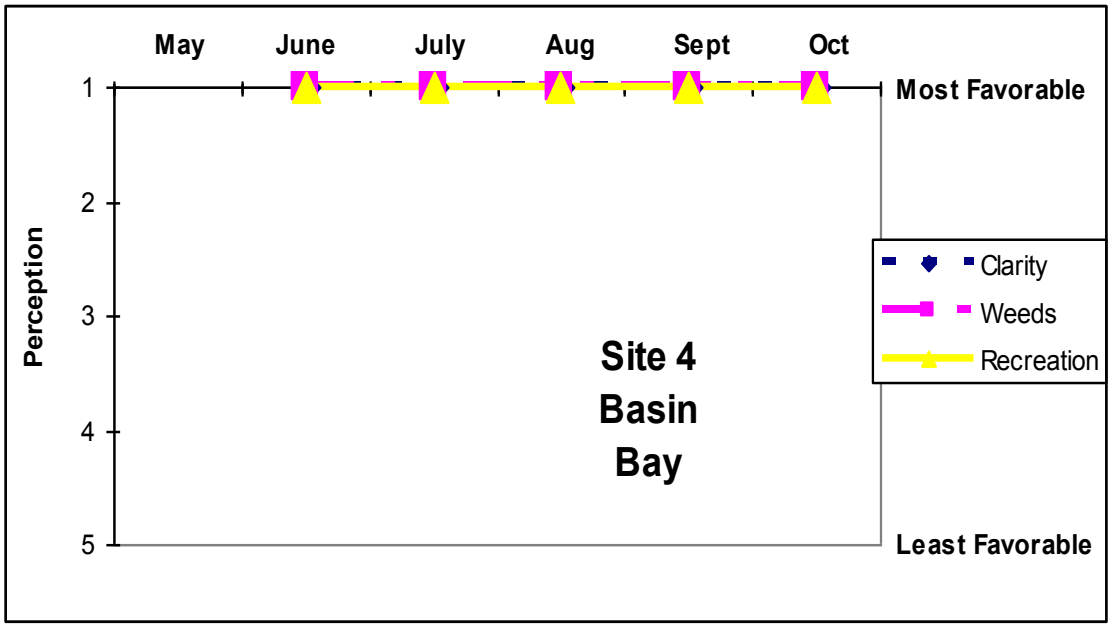

Figure 39d- Lake Perception Data in a Typical (Monthly Mean) Year for Lake George- Basin Bay (Site 4)

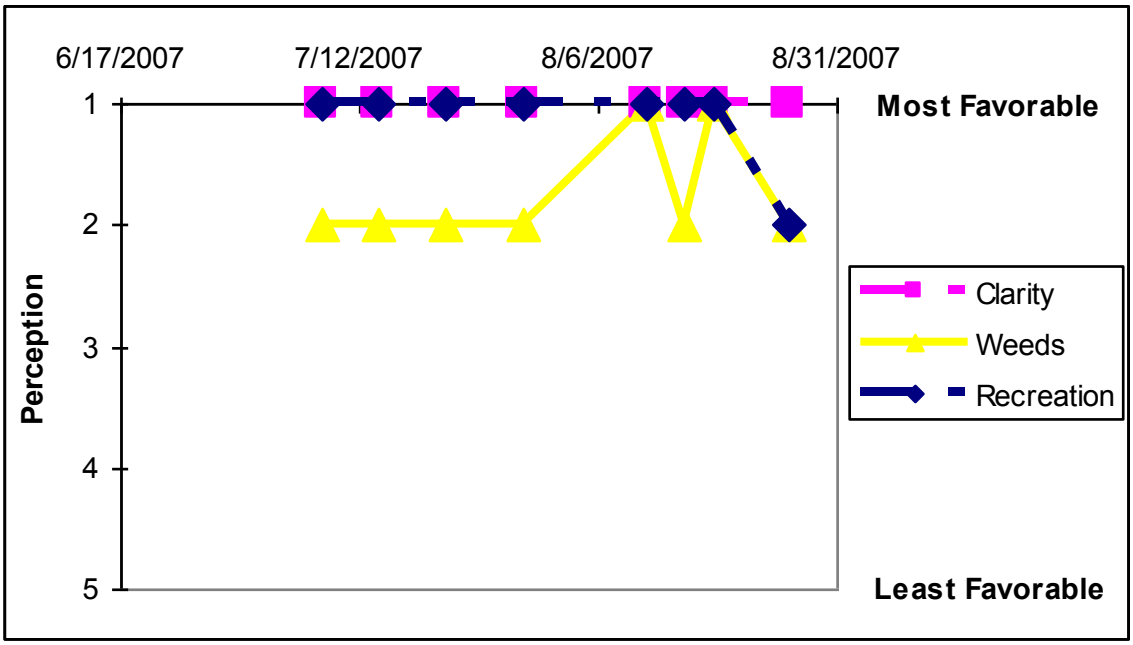

Figure 38e. 2007 Lake Perception Data for Lake George- Crown Island (Site 6)

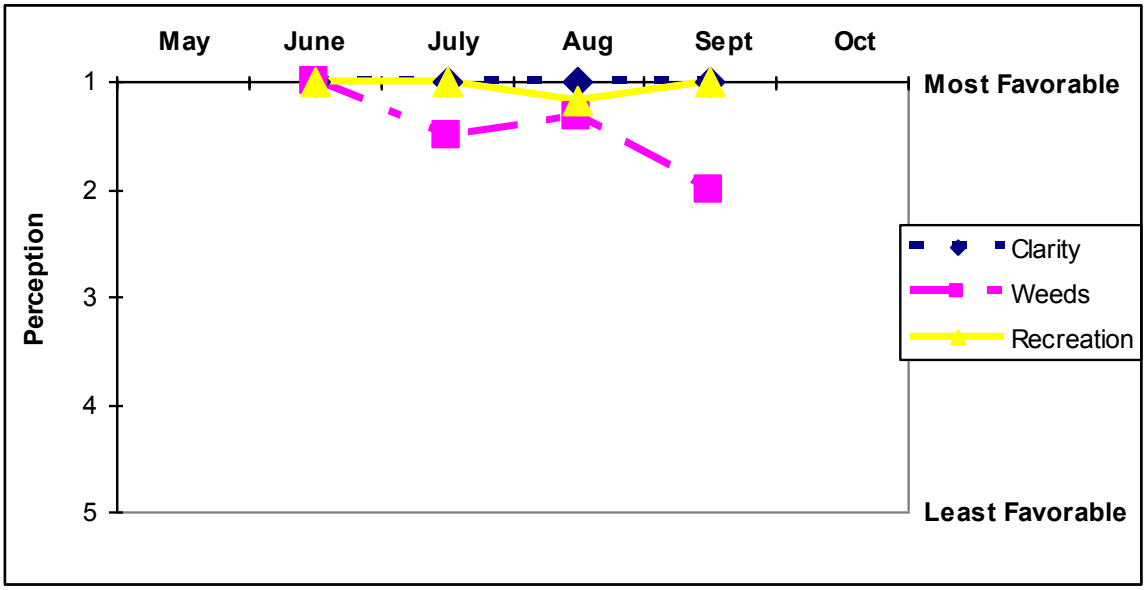

Figure 39e- Lake Perception Data in a Typical (Monthly Mean) Year for Lake George- Crown Island (Site 6)

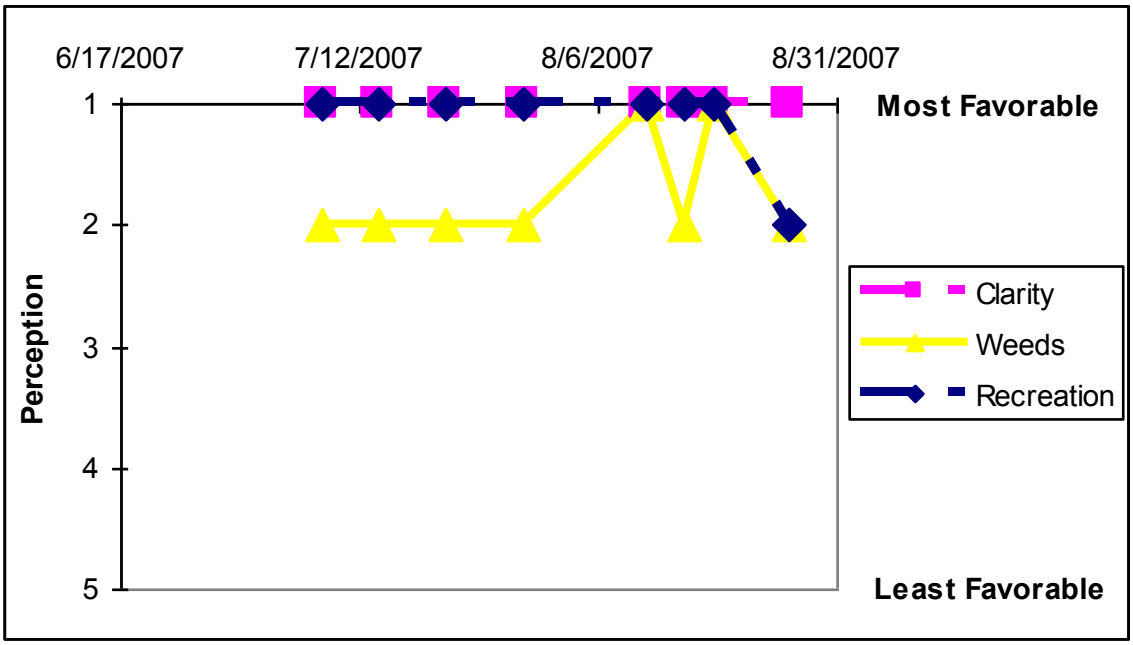

Figure 38f. 2007 Lake Perception Data for Lake George- Werner Bay (Site 7)

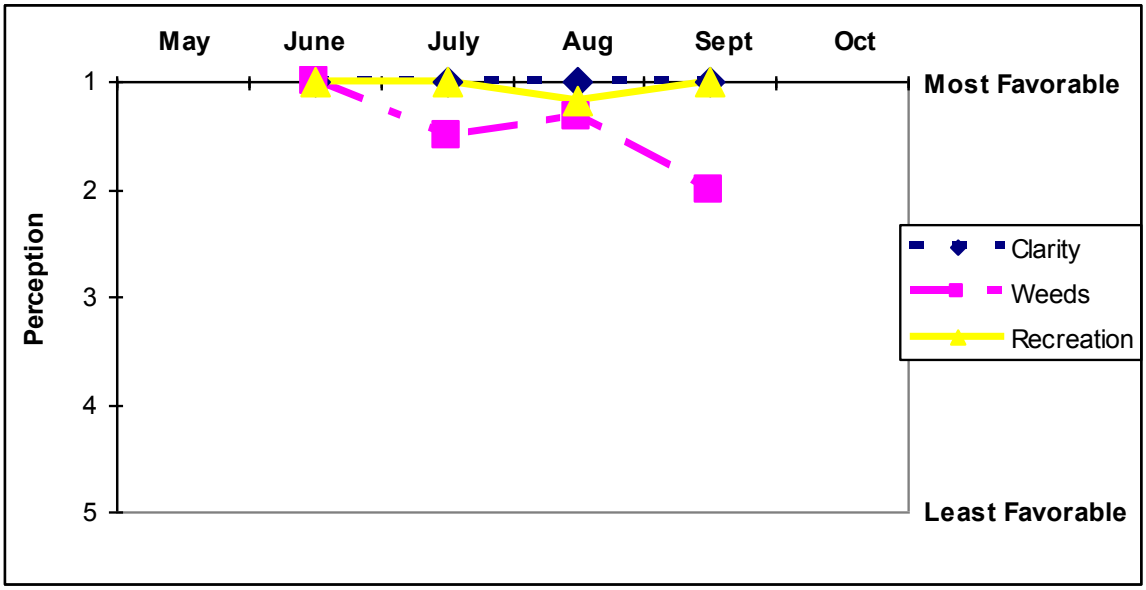

Figure 39f- Lake Perception Data in a Typical (Monthly Mean) Year for Lake George- Werner Bay (Site 7)

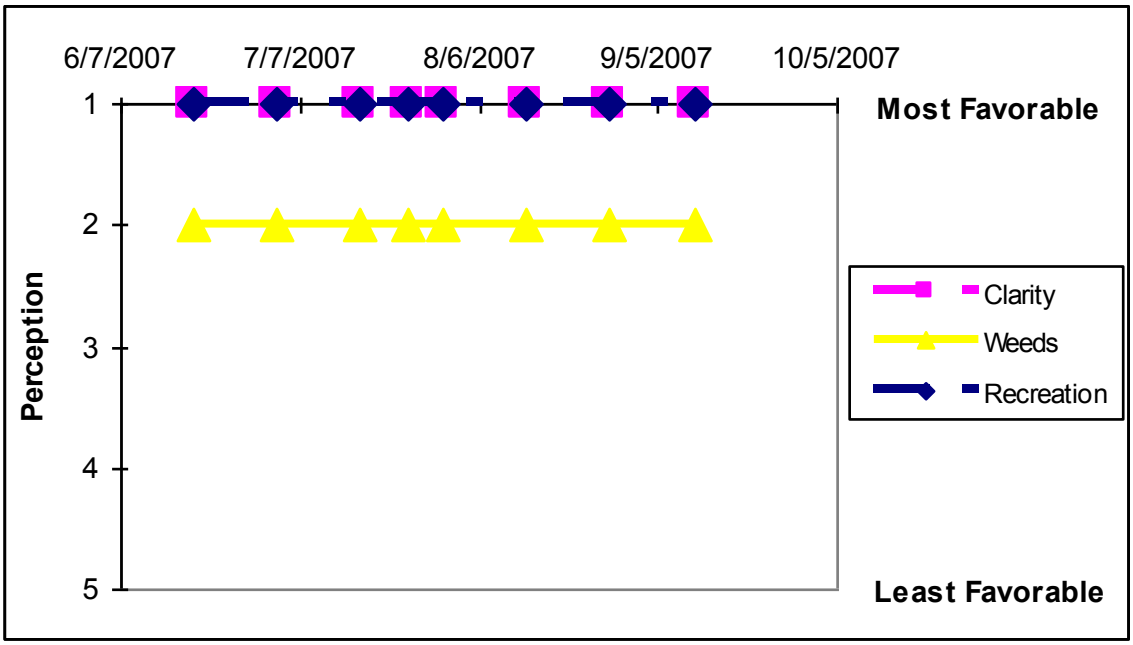

Figure 38g. 2007 Lake Perception Data for Lake George- Northwest Bay (Site 11)

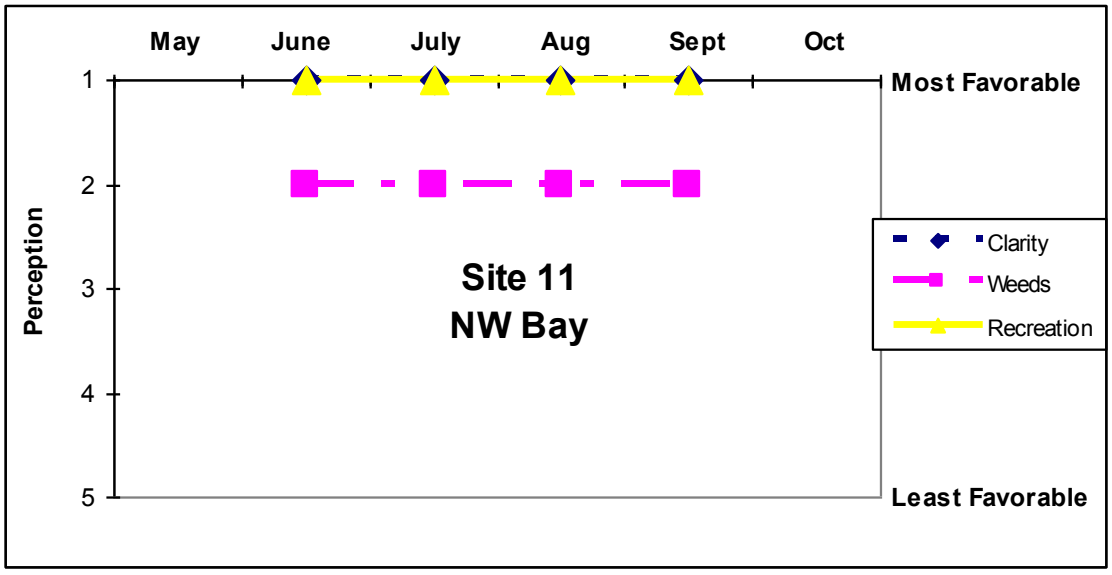

Figure 39g- Lake Perception Data in a Typical (Monthly Mean) Year for Lake George- Northwest Bay (Site 11)

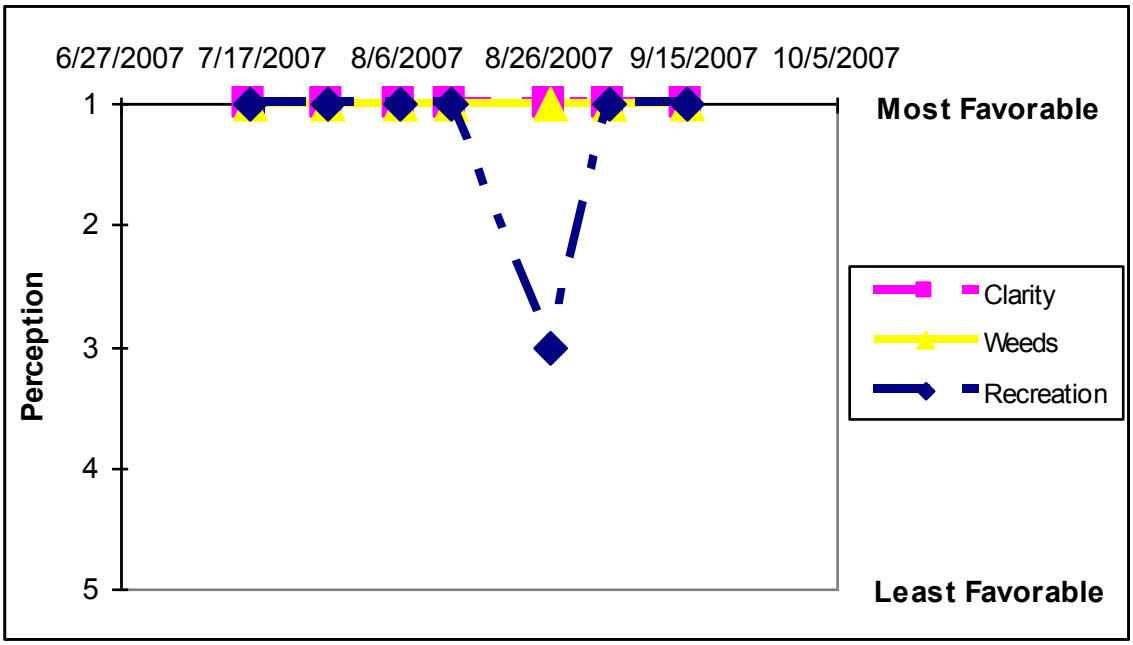

Figure 38h. 2007 Lake Perception Data for Lake George- Hewlett's Landing (Site 21)

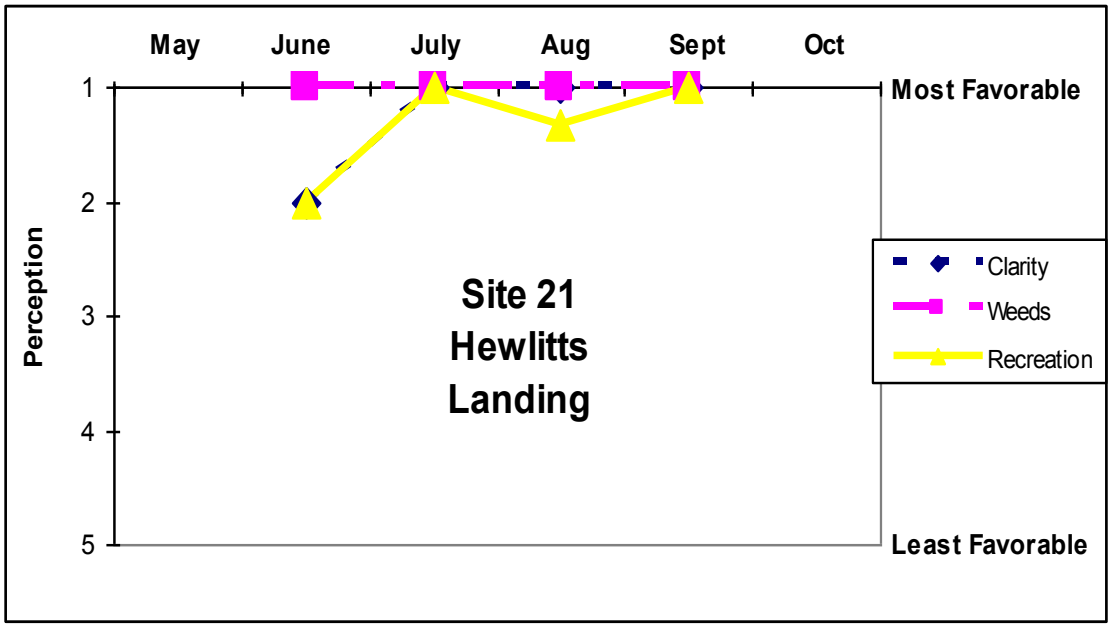

Figure 39h- Lake Perception Data in a Typical (Monthly Mean) Year for Lake George- Hewlett's Landing (Site 21)

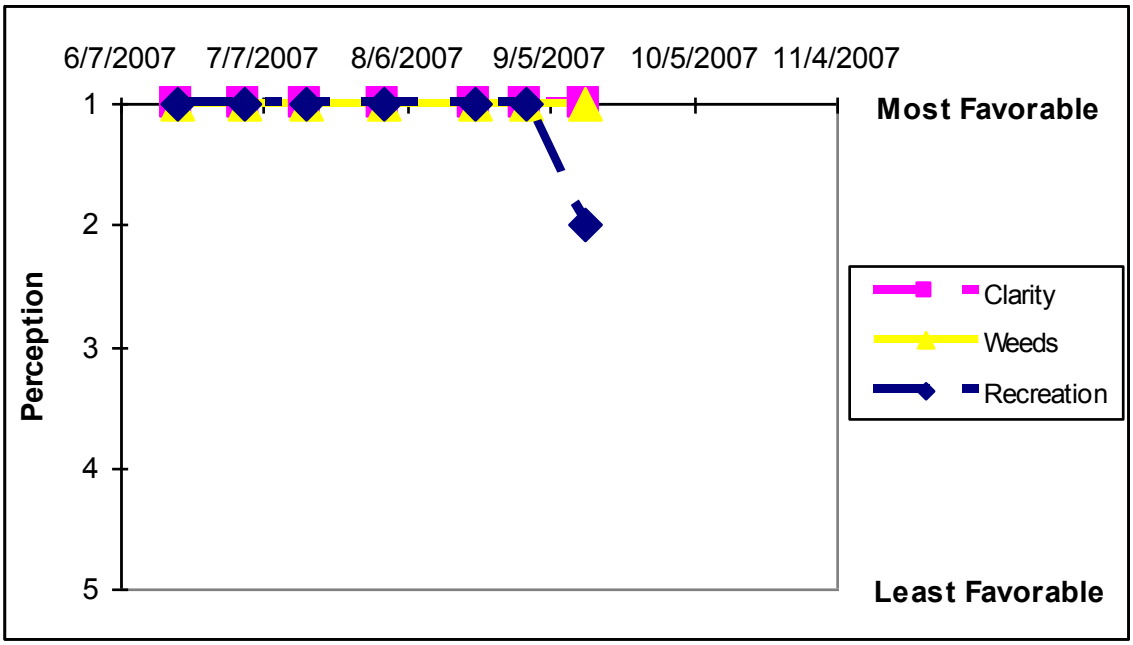

Figure 38i. 2007 Lake Perception Data for Lake George- Gull Bay (Site 23)

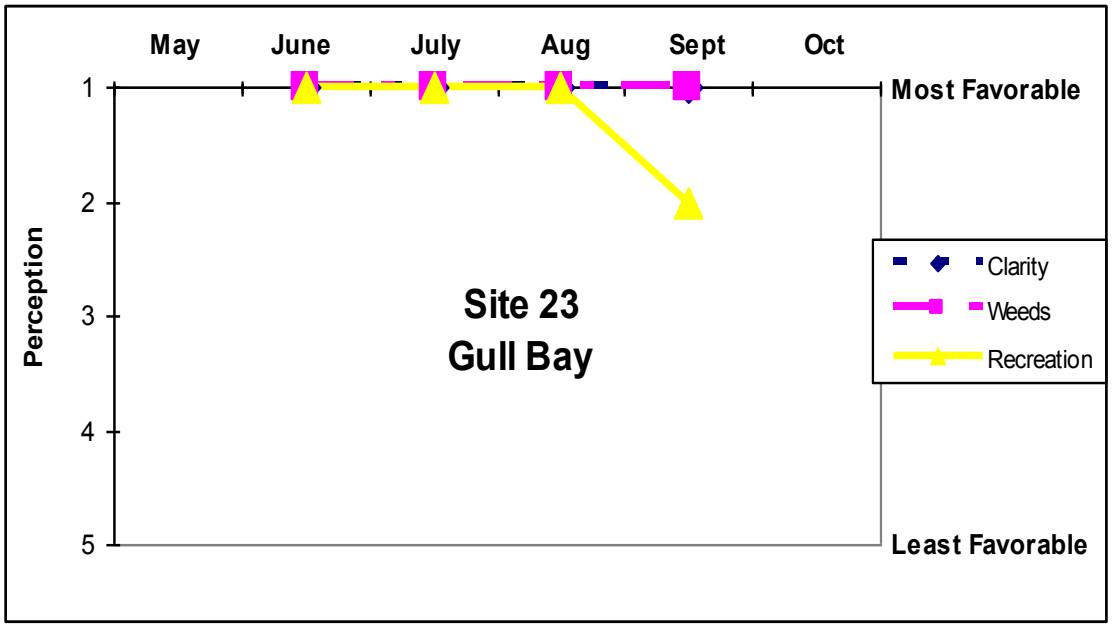

Figure 39i- Lake Perception Data in a Typical (Monthly Mean) Year for Lake George- Gull Bay (Site 23)

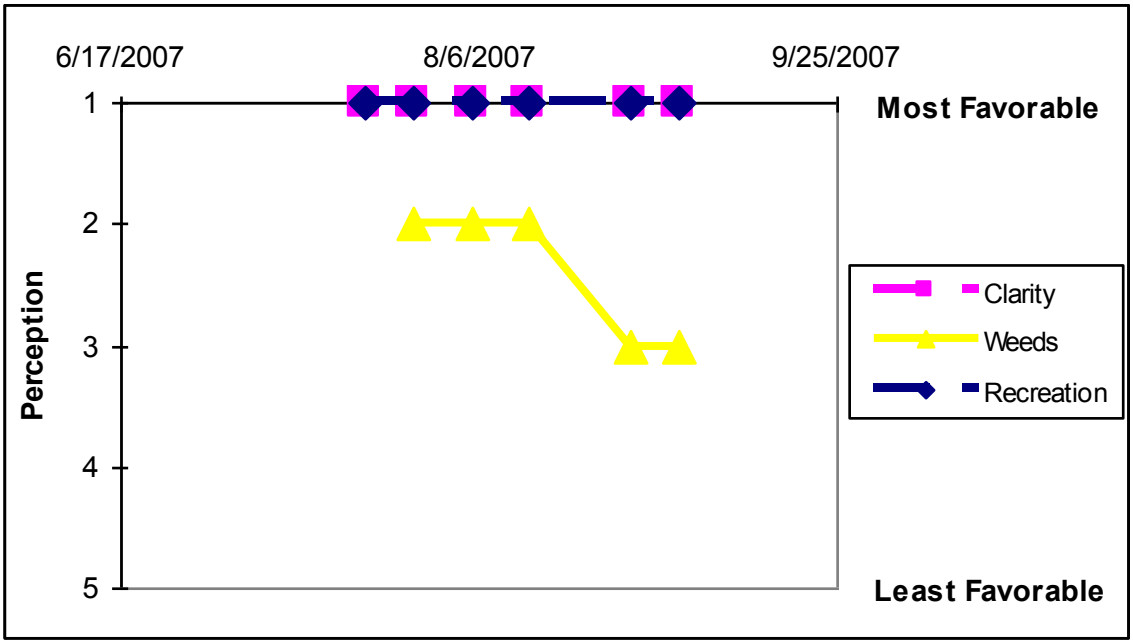

Figure 38j. 2007 Lake Perception Data for Lake George- Hearts Bay (Site 24)

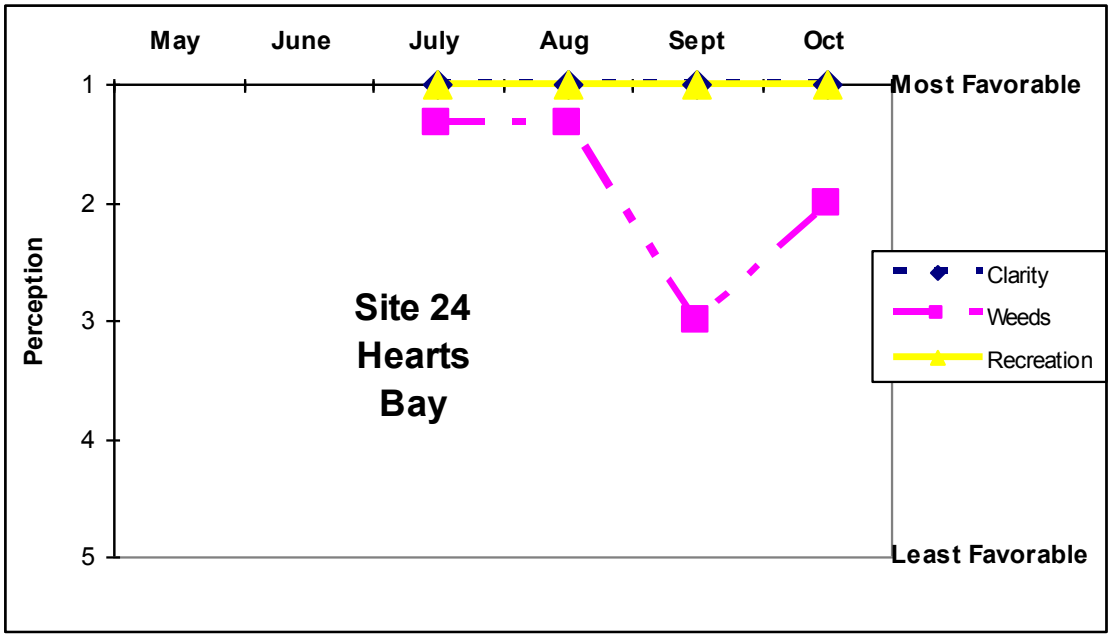

Figure 39j- Lake Perception Data in a Typical (Monthly Mean) Year for Lake George- Hearts Bay (Site 24)

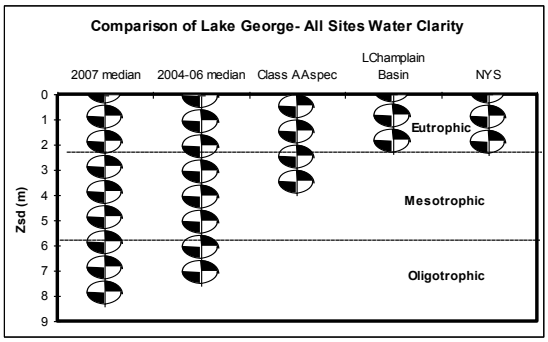

Figure 40a. *Comparison of 2007 Secchi Disk Transparency to Lakes With the Same Water-Quality Classification, Neighboring Lakes, and Other CSLAP Lakes*

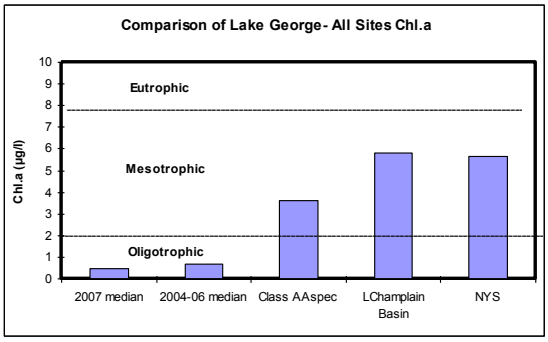

Figure 41a. *Comparison of 2007 Chlorophyll a to Lakes with the Same Water-Quality Classification, Neighboring Lakes, and Other CSLAP Lakes*

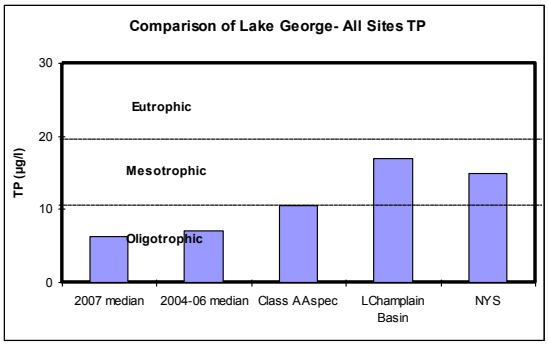

Figure 42a. *Comparison of 2007 Total Phosphorus to Lakes With the Same Water-Quality Classification, Neighboring Lakes, and Other CSLAP Lakes*

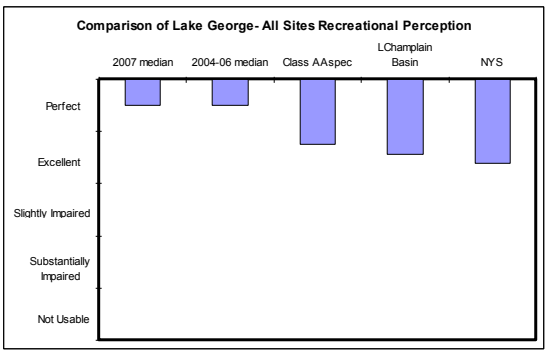

Figure 43a. *Comparison of 2007 Recreational Perception to Lakes With the Same Water-Quality Classification, Neighboring Lakes, and Other CSLAP Lakes*

How does Lake George compare to other lakes?

Annual Comparison of Median Readings for Eutrophication Parameters and Recreational Assessment For Lake George in 2007 to Historical Data for Lake George, Neighboring Lakes, Lakes with the Same Lake Classification, and Other CSLAP Lakes

The graphs to the left illustrate comparisons of each eutrophication parameter and recreational perception at Lake George—in 2007, other lakes in the same drainage basin, lakes with the same water-quality classification (each classification is summarized in Appendix B), and all of CSLAP. Readers should note that differences in watershed types, activities, lake history and other factors may result in differing water-quality conditions at your lake relative to other nearby lakes. In addition, the limited database for some regions of the state precludes a comprehensive comparison to neighboring lakes.

Based on these graphs, the following conclusions can be made about Lake George in 2007:

a) Using water clarity as an indicator, Lake George is less productive than other Class $AA_{special}$ lakes, other Lake Champlain basin lakes, and other NYS lakes.
b) Using chlorophyll *a* readings as an indicator, Lake George is less productive than other Lake Champlain basin lakes, other NYS lakes, and other Class $AA_{special}$ lakes.
c) Using phosphorus as an indicator, Lake George is less productive than other Lake Champlain basin lakes, other NYS lakes, and other Class $AA_{special}$ lakes.
d) Using QC on the field-observations form as an indicator, Lake George is more suitable for recreation than other Lake Champlain basin lakes, other Class $AA_{special}$ lakes, and other NYS lakes.

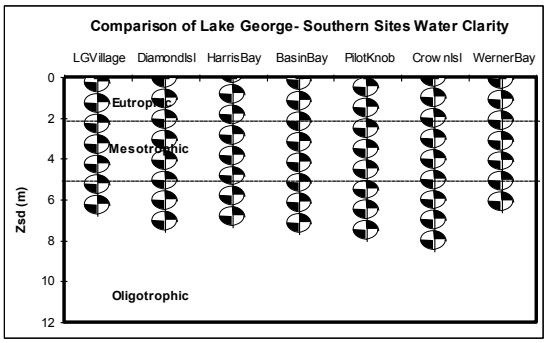

Figure 40b. *Comparison of 2007 Secchi Disk Transparency Among the Lake George South CSLAP Sampling Sites*

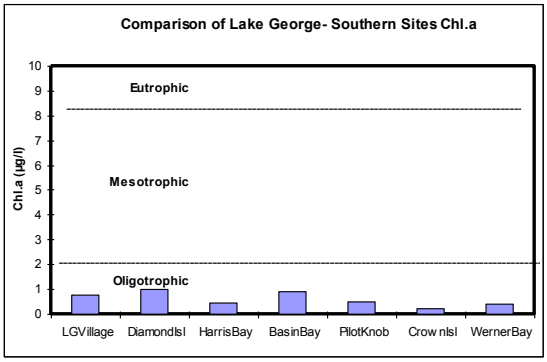

Figure 41b. *Comparison of 2007 Chlorophyll a Among the Lake George South CSLAP Sampling Sites*

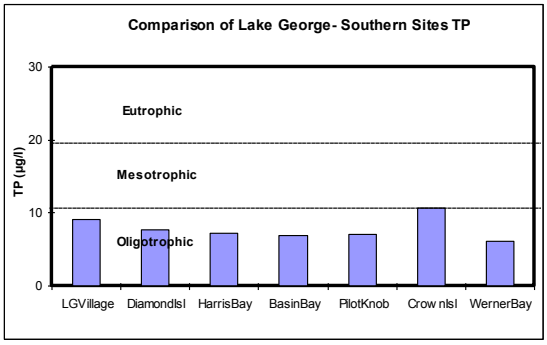

Figure 42b. *Comparison of 2007 Total Phosphorus Among the Lake George South CSLAP Sampling Sites*

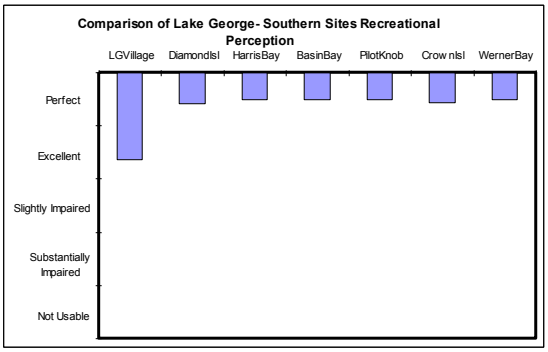

Figure 43b. *Comparison of 2007 Recreational Perception Among the Lake George South CSLAP Sampling Sites*

How do Lake George CSLAP southern sampling sites compare to each other?

Annual Comparison of Median Readings for Eutrophication Parameters and Recreational Assessment For Lake George from 2004-2007 for South Lake Sites

The graphs to the left illustrate comparisons of each eutrophication parameter and recreational perception at Lake George in the southern CSLAP sampling sites.

Based on these graphs, the following conclusions can be made about Lake George southern sites:

a) Using water clarity as an indicator, the productivity of Lake George generally decreased in the northern portion of southern Lake George, although the water clarity in Werner Bay was lower than in most sites further south. Clarity readings in all sites were typical of unproductive lakes.

b) Using chlorophyll *a* readings as an indicator, the productivity of Lake George generally decreased in the northern portion of southern Lake George, although algae levels in Basin Bay was higher than in most sites further south. Algae levels in all sites were typical of unproductive lakes.

c) Using phosphorus as an indicator, the productivity of Lake George generally decreased in the northern portion of southern Lake George, although phosphorus levels in Crown Island was lower than in other sites further south. Phosphorus levels in all sites except Crown Island were typical of unproductive lakes.

d) Using QC on the field-observations form as an indicator, all sites in southern Lake George were highly suitable for recreation, although recreational suitability was less favorable at the Lake George Village site.

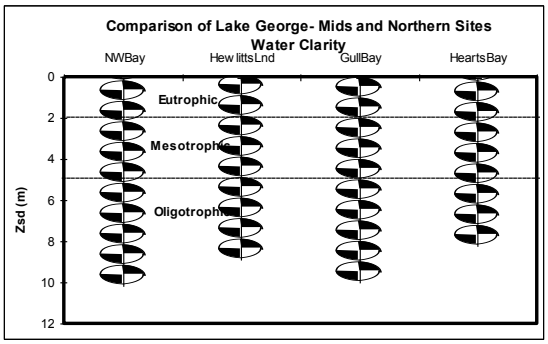

Figure 40c. *Comparison of 2007 Secchi Disk Transparency Among the Lake George Mid Lake and North CSLAP Sampling Sites*

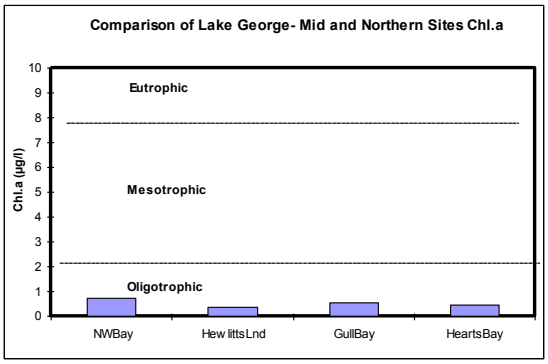

Figure 41c. *Comparison of 2007 Chlorophyll a to Lakes Among the Lake George Mid Lake and North CSLAP Sampling Sites*

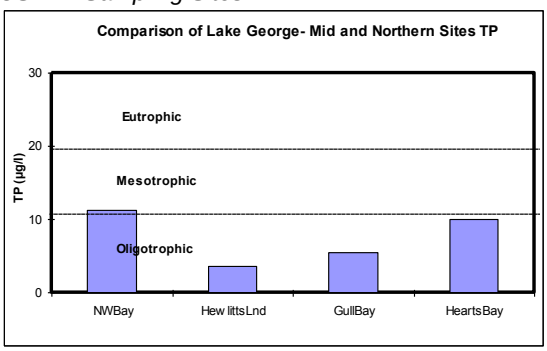

Figure 42c. *Comparison of 2007 Total Phosphorus Among the Lake George Mid Lake and North CSLAP Sampling Sites*

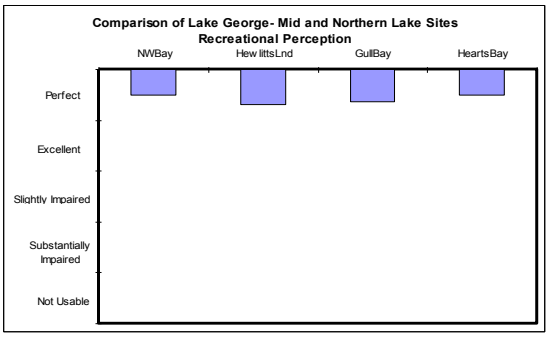

Figure 43c. *Comparison of 2007 Recreational Perception Among the Lake George Mid Lake and North CSLAP Sampling Sites*

How do Lake George CSLAP mid lake and northern sampling sites compare to each other?

Annual Comparison of Median Readings for Eutrophication Parameters and Recreational Assessment For Lake George from 2004-2007 for Mid Lake and Northern Lake Sites

The graphs to the left illustrate comparisons of each eutrophication parameter and recreational perception at Lake George in the midlake and northern CSLAP sampling sites.

Based on these graphs, the following conclusions can be made about Lake George southern sites:

a) Using water clarity as an indicator, the productivity of Lake George generally increased in the northern portion of mid and northern Lake George, although the water clarity in Gull Bay was higher than in other northern sites. Clarity readings in all sites were typical of unproductive lakes.

b) Using chlorophyll *a* readings as an indicator, the productivity of Lake George generally decreased in the northern portion of mid and northern Lake George. Chlorophyll readings in all sites were typical of unproductive lakes.

c) Using phosphorus as an indicator, the productivity of Lake George generally increased in the northern portion of mid and northern Lake George, although phosphorus levels in the northwest bay were higher than the northern sites. Phosphorus readings in all sites except the northwest bay were typical of unproductive lakes.

d) Using QC on the field-observations form as an indicator, all sites in mid and northern Lake George were highly suitable for recreation.

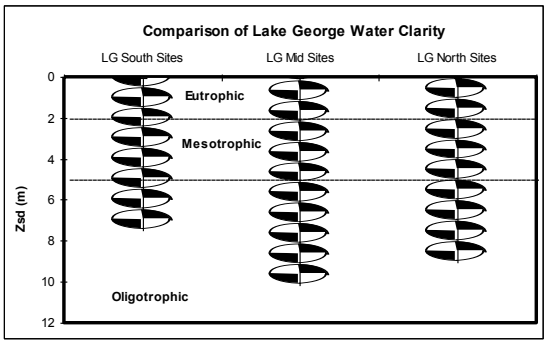

Figure 40d. *Comparison of 2007 Secchi Disk Transparency to Lakes With the Same Water-Quality Classification, Neighboring Lakes, and Other CSLAP Lakes*

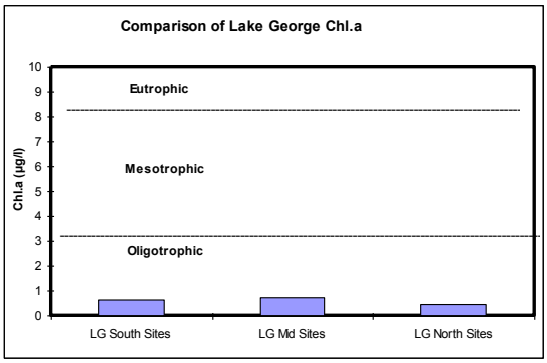

Figure 41d. *Comparison of 2007 Chlorophyll a to Lakes with the Same Water-Quality Classification, Neighboring Lakes, and Other CSLAP Lakes*

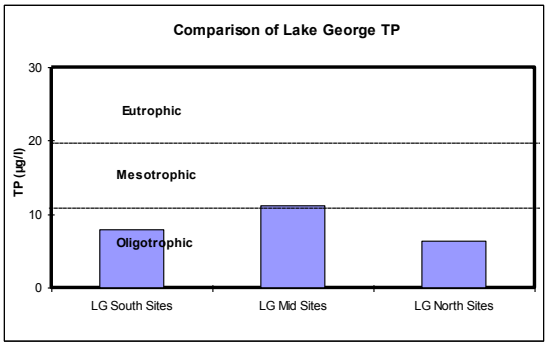

Figure 42d. *Comparison of 2007 Total Phosphorus to Lakes With the Same Water-Quality Classification, Neighboring Lakes, and Other CSLAP Lakes*

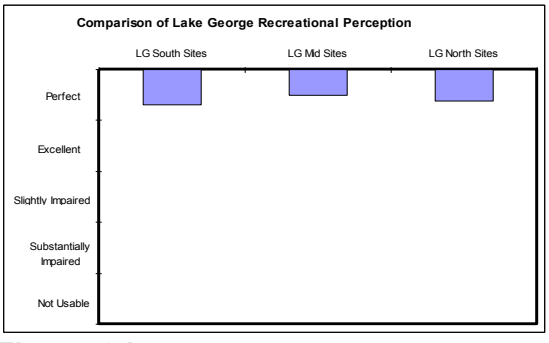

Figure 43d. *Comparison of 2007 Recreational Perception to Lakes With the Same Water-Quality Classification, Neighboring Lakes, and Other CSLAP Lakes*

How do different regions of Lake George compare to each other?

Annual Comparison of Median Readings for Eutrophication Parameters and Recreational Assessment For Lake George from 2004-2007 for the Different Parts of the Lake

The graphs to the left illustrate comparisons of each eutrophication parameter and recreational perception at Lake George in the southern, midlake and northern CSLAP sampling sites.

Based on these graphs, the following conclusions can be made about Lake George sampling sites:

a) Using water clarity as an indicator, the (single) mid-lake site is slightly less productive than the northern sites, which is slightly less productive than the southern sites (although it is likely that, with additional data, the northern sites would be clearer than the mid lake sites). Readings at all three regions are typical of unproductive lakes.

b) Using chlorophyll *a* readings as an indicator, the productivity of the southern, mid-lake, and northern sites of Lake George is comparable, and readings are typical of unproductive lakes.

c) Using phosphorus as an indicator, the northern sites of Lake George are less productive than the southern sites, which are less productive than the mid lake sites. With additional data from the latter, it is likely that readings in all three regions would be typical of unproductive lakes.

d) Using QC on the field-observations form as an indicator, all three regions of Lake George are highly suitable for recreation.

Appendix A. Raw Data for Lake George

LNum	PName	Date	Zbot	Zsd	Zsamp	Tot.P	NO3	NH4	TDN	TN/TP	TColor	pH	Cond25	Ca	Chl.a
199.01	L George Site 1-Village	7/2/2004	30.3	7.75	1.5	0.020	0.01	0.01	0.11	11.66	5	6.54	127	16.5	0.20
199.01	L George Site 1-Village	7/28/2004	30.5	9.30	1.5		0.01	0.01	0.43			7.24	134		0.33
199.01	L George Site 1-Village	8/10/2004	30.5	6.10	1.5	0.014	0.01	0.01	0.19	29.82	2	8.16	123		1.20
199.01	L George Site 1-Village	8/17/2004	30.5	5.15		0.012	0.08	0.02	0.44	80.32	34	7.39	146		1.50
199.01	L George Site 1-Village	9/14/2004	30.5	6.75	1.5	0.010	0.09	0.01	0.36	82.09	3	7.08	106	13.7	0.88
199.01	L George Site 1-Village	9/21/2004	30.5	6.45	1.5	0.007	0.02	0.01	0.44	133.83	1	8.07	107		
199.01	L George Site 1-Village	10/8/2004	30.5	6.40	1.5	0.005	0.01	0.01	0.29	139.98		6.73	111		
199.01	L George Site 1-Village	10/25/2004	30.5	5.95	1.5	0.005	0.01	0.01	0.85	403.41	3	7.43	92		1.70
199.01	L George Site 1-Village	6/27/2005				0.004					3	8.27	113		0.19
199.01	L George Site 1-Village	7/11/2005		7.45	1.5	0.010	0.01	0.01	0.11	24.22				12.4	1.55
199.01	L George Site 1-Village	7/26/2005	17.9	7.15	1.5	0.015	0.01	0.01	0.13	19.67	11	7.90	130		0.82
199.01	L George Site 1-Village	8/8/2005	18.0	6.45	1.5	0.006	0.01	0.01	0.16	57.42	7	7.65	75		1.03
199.01	L George Site 1-Village	9/11/2005	18.1	6.25	1.5	0.009	0.01	0.01	0.06	15.54	4	7.77	135		1.06
199.01	L George Site 1-Village	10/2/2005				0.007						7.49	48		0.26
199.01	L George Site 1-Village	6/19/2007	19.8	6.90	1.0	0.007	0.00	0.01	0.16	51.95	3	7.70	130	11.7	0.10
199.01	L George Site 1-Village	7/2/2007	20.3	6.80	1.0	0.006	0.01	0.00	0.27	93.63	6	8.06	122		0.20
199.01	L George Site 1-Village	7/2/2004	30.3			0.008	0.06	0.03	0.28	76.77					
199.01	L George Site 1-Village	7/28/2004	30.5		30.0	0.025	0.03	0.01	0.35	31.36					
199.01	L George Site 1-Village	8/10/2004	30.5		30.0	0.012	0.04	0.01	0.11	19.72					
199.01	L George Site 1-Village	8/17/2004	30.5		30.0	0.010	0.09	0.01	0.32	74.62					
199.01	L George Site 1-Village	9/14/2004	30.5		30.0	0.009	0.10	0.01	0.35	91.23					
199.01	L George Site 1-Village	9/21/2004	30.5		30.0	0.008	0.12	0.01	0.56	162.94					
199.01	L George Site 1-Village	10/8/2004	30.5		30.0	0.009	0.09	0.01	0.13	31.58					
199.01	L George Site 1-Village	10/25/2004	30.5		30.0	0.006	0.08	0.01							
199.01	L George Site 1-Village	6/27/2005				0.027				0.00					
199.01	L George Site 1-Village	7/11/2005			17.8	0.053				0.00					
199.01	L George Site 1-Village	7/26/2005	17.9		17.0	0.011				0.00					
199.01	L George Site 1-Village	8/8/2005	18.0		16.5	0.007				0.00					
199.01	L George Site 1-Village	9/11/2005	18.1		17.5	0.009				0.00					
199.01	L George Site 1-Village	10/2/2005				0.008				0.00					
199.01	L George Site 1-Village	6/19/2007	19.8		18.3	0.013									
199.01	L George Site 1-Village	7/2/2007	20.3		18.5	0.006									

LNum	PName	Date	Zbot	Zsd	Zsamp	QaQc	TAir	TH20	QA	QB	QC	QD
199.01	L George Site 1-Village	7/2/2004	30.3	7.75	1.5	1	25	21	1	1	1	7
199.01	L George Site 1-Village	7/28/2004	30.5	9.30	1.5	1	23	23	2	2	3	2
199.01	L George Site 1-Village	8/10/2004	30.5	6.10	1.5	1	25	23	2	2	2	26
199.01	L George Site 1-Village	8/17/2004	30.5	5.15		1	18	22	3	2	3	26
199.01	L George Site 1-Village	9/14/2004	30.5	6.75	1.5	1	12	19	2	2	2	0
199.01	L George Site 1-Village	9/21/2004	30.5	6.45	1.5	1	17	19	2	2	3	68
199.01	L George Site 1-Village	10/8/2004	30.5	6.40	1.5	1	16	17	2	2	2	3
199.01	L George Site 1-Village	10/25/2004	30.5	5.95	1.5	1	15	14	3	2	2	2
199.01	L George Site 1-Village	6/27/2005				1						
199.01	L George Site 1-Village	7/11/2005		7.45	1.5	1	29	22	3	2	2	126
199.01	L George Site 1-Village	7/26/2005	17.9	7.15	1.5	1	27	25	2	1	2	0
199.01	L George Site 1-Village	8/8/2005	18.0	6.45	1.5	1	24	25	2	2	3	267
199.01	L George Site 1-Village	9/11/2005	18.1	6.25	1.5	1	19	23	3	3	3	236
199.01	L George Site 1-Village	10/2/2005				1						
199.01	L George Site 1-Village	6/19/2007	19.8	6.90	1.0	1	22	23	1	2	1	0
199.01	L George Site 1-Village	7/2/2007	20.3	6.80	1.0	1	17	21	1	2	1	0
199.01	L George Site 1-Village	7/2/2004	30.3			2		10				
199.01	L George Site 1-Village	7/28/2004	30.5		30.0	2		13				
199.01	L George Site 1-Village	8/10/2004	30.5		30.0	2		11				
199.01	L George Site 1-Village	8/17/2004	30.5		30.0	2		11				
199.01	L George Site 1-Village	9/14/2004	30.5		30.0	2		10				
199.01	L George Site 1-Village	9/21/2004	30.5		30.0	2		10				
199.01	L George Site 1-Village	10/8/2004	30.5		30.0	2		10				
199.01	L George Site 1-Village	10/25/2004	30.5		30.0	2		10				
199.01	L George Site 1-Village	6/27/2005				2						
199.01	L George Site 1-Village	7/11/2005			17.8	2		17				
199.01	L George Site 1-Village	7/26/2005	17.9		17.0	2		12				
199.01	L George Site 1-Village	8/8/2005	18.0		16.5	2		15				
199.01	L George Site 1-Village	9/11/2005	18.1		17.5	2		15				
199.01	L George Site 1-Village	10/2/2005				2						
199.01	L George Site 1-Village	6/19/2007	19.8		18.3	2		12				
199.01	L George Site 1-Village	7/2/2007	20.3		18.5	2		11				

LNum	PName	Date	Zbot	Zsd	Zsamp	Tot.P	NO3	NH4	TDN	TN/TP	TColor	pH	Cond25	Ca	Chl.a
199.02	L George Site 2-Diamond Isl	7/22/2004	30.5	9.35	1.5	0.004	0.01	0.01	0.33	203.35	2	7.55	132	13.9	0.22
199.02	L George Site 2-Diamond Isl	8/6/2004	30.8	8.05	1.5	0.014	0.01	0.01	0.13	20.49	6	7.44	130		0.90
199.02	L George Site 2-Diamond Isl	8/19/2004	31.1	8.75	2.0	0.009	0.01	0.01	0.38	90.81	12	7.82	119		2.39
199.02	L George Site 2-Diamond Isl	9/2/2004	30.8	8.25	2.0	0.012	0.01	0.01	0.32	59.23	4	7.83	97.7		1.40
199.02	L George Site 2-Diamond Isl	9/15/2004	30.8	7.30	2.0	0.009	0.01	0.01	0.14	36.47	1	7.38	96.3	12.6	2.20
199.02	L George Site 2-Diamond Isl	10/1/2004	30.8	6.80	2.0	0.013	0.01	0.02	0.38	65.73	0	7.58	113		
199.02	L George Site 2-Diamond Isl	7/20/2005	30.5	8.50	1.5	0.007					1	7.10	134	11.6	0.34
199.02	L George Site 2-Diamond Isl	8/7/2005	30.2	6.50	1.5	0.007	0.01	0.01	0.17	51.29	5	7.69	130		0.05
199.02	L George Site 2-Diamond Isl	8/25/2005	30.5	8.25	1.5	0.003	0.01	0.01	0.10	62.85	5	8.63	78		0.05
199.02	L George Site 2-Diamond Isl	9/7/2005	30.5	6.25	1.5	0.007	0.01	0.01	0.18	57.08	33	8.91	38		0.88
199.02	L George Site 2-Diamond Isl	7/3/2006	30.5	7.25	3.0										
199.02	L George Site 2-Diamond Isl	7/5/2006	30.5	7.25	3.5	0.006	0.01	0.02	0.49	193.58	15	8.13	79	9.8	0.97
199.02	L George Site 2-Diamond Isl	7/17/2006	30.5	7.75	3.0	0.008	0.01	0.02	0.49	139.53	6	8.03	103		1.06
199.02	L George Site 2-Diamond Isl	8/4/2006	29.9	7.50	3.0	0.013	0.01	0.02	0.53	92.40		9.16	93		0.64
199.02	L George Site 2-Diamond Isl	8/18/2006	30.5	6.70	3.0	0.006	0.01	0.01	0.55	190.46		8.72	105		1.32
199.02	L George Site 2-Diamond Isl	8/28/2006	30.5	7.65	3.0	0.007			0.28	87.37	22	8.07	87	12.9	1.11
199.02	L George Site 2-Diamond Isl	9/10/2006	30.5	6.25	3.0	0.007			0.39	121.89	27	7.93	90		1.19
199.02	L George Site 2-Diamond Isl	7/7/2007	30.5	6.50	3.0	0.006	0.01	0.02	0.32	123.94	10	9.17	115	11.5	1.13
199.02	L George Site 2-Diamond Isl	7/25/2007	30.5	6.75	1.5	0.007	0.00	0.01	0.30	98.97	8	8.18	123		1.66
199.02	L George Site 2-Diamond Isl	7/31/2007	30.0	8.20	3.0	0.007	0.01	0.02	0.27	90.56	9	8.04	90		0.88
199.02	L George Site 2-Diamond Isl	8/14/2007	30.8	9.50	3.0	0.005	0.00	0.01	0.26	107.45	5	7.55	105		0.75
199.02	L George Site 2-Diamond Isl	8/27/2007	30.5	9.00	3.0	0.006	0.00	0.01	0.28	98.75	3	7.26	119	11.0	0.82
199.02	L George Site 2-Diamond Isl	9/4/2007	30.5	7.75	3.0	0.008	0.01	0.01	0.31	84.66	4	8.12	109		0.77
199.02	L George Site 2-Diamond Isl	9/13/2007	30.5	6.75	3.0	0.007	0.02	0.02	0.34	106.18	10	9.22	83		0.92
199.02	L George Site 2-Diamond Isl	9/21/2007	30.0	7.13	3.0	0.008	0.02	0.67	0.63	177.64	2	8.73	98		0.94
199.02	L George Site 2-Diamond Isl	7/22/2004	30.5		29.8	0.006	0.05	0.42	0.32	111.09					
199.02	L George Site 2-Diamond Isl	8/6/2004	30.8		30.5	0.030	0.02	0.03	0.35	25.78					
199.02	L George Site 2-Diamond Isl	8/19/2004	31.1		30.5	0.006	0.07	0.02	0.60	225.18					
199.02	L George Site 2-Diamond Isl	9/2/2004	30.8		30.5	0.010	0.08	0.02	0.41	87.40					
199.02	L George Site 2-Diamond Isl	9/15/2004	30.8		30.5	0.013	0.09	0.01	0.23	39.67					
199.02	L George Site 2-Diamond Isl	10/1/2004	30.8		30.5	0.009	0.08	0.01	0.32	82.01					
199.02	L George Site 2-Diamond Isl	7/20/2005	30.5		30.0	0.013									
199.02	L George Site 2-Diamond Isl	8/7/2005	30.2		29.9	0.007									
199.02	L George Site 2-Diamond Isl	8/25/2005	30.5		30.5	0.006									
199.02	L George Site 2-Diamond Isl	9/7/2005	30.5		30.5	0.007									
199.02	L George Site 2-Diamond Isl	7/3/2006	30.5												
199.02	L George Site 2-Diamond Isl	7/5/2006	30.5		32.0	0.008									
199.02	L George Site 2-Diamond Isl	7/17/2006	30.5		30.5										
199.02	L George Site 2-Diamond Isl	8/4/2006	29.9		30.2	0.008									
199.02	L George Site 2-Diamond Isl	8/18/2006	30.5		29.3	0.006									
199.02	L George Site 2-Diamond Isl	8/28/2006	30.5		30.5	0.006									
199.02	L George Site 2-Diamond Isl	9/10/2006	30.5		29.9	0.006									
199.02	L George Site 2-Diamond Isl	7/7/2007	30.5		30.5										
199.02	L George Site 2-Diamond Isl	7/25/2007	30.5		30.0	0.016									
199.02	L George Site 2-Diamond Isl	7/31/2007	30.0		30.0	0.007									
199.02	L George Site 2-Diamond Isl	8/14/2007	30.8		30.5	0.011									
199.02	L George Site 2-Diamond Isl	8/27/2007	30.5		30.5	0.008									
199.02	L George Site 2-Diamond Isl	9/4/2007	30.5		30.5	0.897									
199.02	L George Site 2-Diamond Isl	9/13/2007	30.5		30.5	0.009									
199.02	L George Site 2-Diamond Isl	9/21/2007	30.0		30.0	0.007									

LNum	PName	Date	Zbot	Zsd	Zsamp	QaQc	TAir	TH20	QA	QB	QC	QD
199.02	L George Site 2-Diamond Isl	7/22/2004	30.5	9.35	1.5	1	30	24	2	1	1	8
199.02	L George Site 2-Diamond Isl	8/6/2004	30.8	8.05	1.5	1	20	23	1	1	1	8
199.02	L George Site 2-Diamond Isl	8/19/2004	31.1	8.75	2.0	1	22	22	1	1	2	5
199.02	L George Site 2-Diamond Isl	9/2/2004	30.8	8.25	2.0	1	16	21	1	1	1	0
199.02	L George Site 2-Diamond Isl	9/15/2004	30.8	7.30	2.0	1	19	19	1	1	1	5
199.02	L George Site 2-Diamond Isl	10/1/2004	30.8	6.80	2.0	1	21	18	1	1	1	8
199.02	L George Site 2-Diamond Isl	7/20/2005	30.5	8.50	1.5	1	28	23	1	1	1	0
199.02	L George Site 2-Diamond Isl	8/7/2005	30.2	6.50	1.5	1	28	26	1	1	1	
199.02	L George Site 2-Diamond Isl	8/25/2005	30.5	8.25	1.5	1	28	24	1	1	2	0
199.02	L George Site 2-Diamond Isl	9/7/2005	30.5	6.25	1.5	1	27	24	1	1	1	0
199.02	L George Site 2-Diamond Isl	7/3/2006	30.5	7.25	3.0	1	30	22	1	1	1	5
199.02	L George Site 2-Diamond Isl	7/5/2006	30.5	7.25	3.5	1	30	23	1	1	1	0
199.02	L George Site 2-Diamond Isl	7/17/2006	30.5	7.75	3.0	1	32	23	1	1	1	0
199.02	L George Site 2-Diamond Isl	8/4/2006	29.9	7.50	3.0	1	28	24	1	1	1	0
199.02	L George Site 2-Diamond Isl	8/18/2006	30.5	6.70	3.0	1	28	22	1	1	1	5
199.02	L George Site 2-Diamond Isl	8/28/2006	30.5	7.65	3.0	1	25	21	1	1		0
199.02	L George Site 2-Diamond Isl	9/10/2006	30.5	6.25	3.0	1	23	20				
199.02	L George Site 2-Diamond Isl	7/7/2007	30.5	6.50	3.0	1	25	19	1	1	1	0
199.02	L George Site 2-Diamond Isl	7/25/2007	30.5	6.75	1.5	1	25	21	1	1	1	0
199.02	L George Site 2-Diamond Isl	7/31/2007	30.0	8.20	3.0	1	29	23	1	1	1	0
199.02	L George Site 2-Diamond Isl	8/14/2007	30.8	9.50	3.0	1	32	22	1	1	1	0
199.02	L George Site 2-Diamond Isl	8/27/2007	30.5	9.00	3.0	1	23	21	1	1	1	0

LNum	PName	Date	Zbot	Zsd	Zsamp	QaQc	TAir	TH20	QA	QB	QC	QD
199.02	L George Site 2-Diamond Isl	9/4/2007	30.5	7.75	3.0	1	20	20	1	1	1	0
199.02	L George Site 2-Diamond Isl	9/13/2007	30.5	6.75	3.0	1	23	19	1	1	1	0
199.02	L George Site 2-Diamond Isl	9/21/2007	30.0	7.13	3.0	1	25	19	1	1	1	0
199.02	L George Site 2-Diamond Isl	7/22/2004	30.5		29.8	2		14				
199.02	L George Site 2-Diamond Isl	8/6/2004	30.8		30.5	2		22				
199.02	L George Site 2-Diamond Isl	8/19/2004	31.1		30.5	2		10				
199.02	L George Site 2-Diamond Isl	9/2/2004	30.8		30.5	2		9				
199.02	L George Site 2-Diamond Isl	9/15/2004	30.8		30.5	2		9				
199.02	L George Site 2-Diamond Isl	10/1/2004	30.8		30.5	2		8				
199.02	L George Site 2-Diamond Isl	7/20/2005	30.5		30.0	2		10				
199.02	L George Site 2-Diamond Isl	8/7/2005	30.2		29.9	2		12				
199.02	L George Site 2-Diamond Isl	8/25/2005	30.5		30.5	2		32				
199.02	L George Site 2-Diamond Isl	9/7/2005	30.5		30.5	2		18				
199.02	L George Site 2-Diamond Isl	7/3/2006	30.5			2		10				
199.02	L George Site 2-Diamond Isl	7/5/2006	30.5		32.0	2		12				
199.02	L George Site 2-Diamond Isl	7/17/2006	30.5		30.5	2		10				
199.02	L George Site 2-Diamond Isl	8/4/2006	29.9		30.2	2		9				
199.02	L George Site 2-Diamond Isl	8/18/2006	30.5		29.3	2		13				
199.02	L George Site 2-Diamond Isl	8/28/2006	30.5		30.5	2		10				
199.02	L George Site 2-Diamond Isl	9/10/2006	30.5		29.9	2		10				
199.02	L George Site 2-Diamond Isl	7/7/2007	30.5		30.5	2		8				
199.02	L George Site 2-Diamond Isl	7/25/2007	30.5		30.0	2		10				
199.02	L George Site 2-Diamond Isl	7/31/2007	30.0		30.0	2		9				
199.02	L George Site 2-Diamond Isl	8/14/2007	30.8		30.5	2		9				
199.02	L George Site 2-Diamond Isl	8/27/2007	30.5		30.5	2		11				
199.02	L George Site 2-Diamond Isl	9/4/2007	30.5		30.5	2		9				
199.02	L George Site 2-Diamond Isl	9/13/2007	30.5		30.5	2		10				
199.02	L George Site 2-Diamond Isl	9/21/2007	30.0		30.0	2		11				

LNum	PName	Date	Zbot	Zsd	Zsamp	Tot.P	NO3	NH4	TDN	TN/TP	TColor	pH	Cond25	Ca	Chl.a
199.3	Lake George Site 3 Harris Bay	6/24/2007	14.7	8.73	1.5	0.007	0.00	0.01	0.23	71.3	6	8.0	90	11.1	0.10
199.3	Lake George Site 3 Harris Bay	7/8/2007	14.2	7.25	1.5	0.008	0.00	0.01	0.23	61.4	1	7.8	106		0.22
199.3	Lake George Site 3 Harris Bay	7/22/2007	14.7	7.00	1.5	0.013	0.00	0.01	0.38	65.0	3	7.5	115		0.30
199.3	Lake George Site 3 Harris Bay	8/5/2007	14.8	7.30	1.5	0.005	0.00	0.01	0.52	239.5	3	7.7	136		0.10
199.3	Lake George Site 3 Harris Bay	8/18/2007	8.3	7.45	1.5	0.006	0.01	0.01	0.32	120.7	7	8.0	92	12.5	0.21
199.3	Lake George Site 3 Harris Bay	9/2/2007	14.7	8.25	1.5	0.005	0.00	0.01	0.43	178.0	6	8.3	90		0.25
199.3	Lake George Site 3 Harris Bay	9/16/2007	14.5	6.05	1.5	0.004	0.01	0.01	0.36	178.9	6	7.3	112		1.55
199.3	Lake George Site 3 Harris Bay	9/30/2007	14.8	6.65	1.5	0.010	0.02	0.01	0.54	124.1	6	7.5	128		1.10
199.3	Lake George Site 3 Harris Bay	6/24/2007	14.7		13.2	0.007									
199.3	Lake George Site 3 Harris Bay	7/8/2007	14.2		12.7	0.005									
199.3	Lake George Site 3 Harris Bay	7/22/2007	14.7		13.2	0.007									
199.3	Lake George Site 3 Harris Bay	8/5/2007	14.8		13.3	0.008									
199.3	Lake George Site 3 Harris Bay	8/18/2007	8.3		12.8	0.007									
199.3	Lake George Site 3 Harris Bay	9/2/2007	14.7		13.2	0.010									
199.3	Lake George Site 3 Harris Bay	9/16/2007	14.5		13.0	0.006									
199.3	Lake George Site 3 Harris Bay	9/30/2007	14.8		13.3	0.010									

LNum	PName	Date	Zbot	Zsd	Zsamp	QaQc	TAir	TH20	QA	QB	QC	QD
199.3	Lake George Site 3 Harris Bay	6/24/2007	14.7	8.73	1.5	1	22	20	1	1	1	0
199.3	Lake George Site 3 Harris Bay	7/8/2007	14.2	7.25	1.5	1	19	21	1	1	1	8
199.3	Lake George Site 3 Harris Bay	7/22/2007	14.7	7.00	1.5	1	22	22	1	1	1	8
199.3	Lake George Site 3 Harris Bay	8/5/2007	14.8	7.30	1.5	1	21	20	1	1	1	8
199.3	Lake George Site 3 Harris Bay	8/18/2007	8.3	7.45	1.5	1	18	23	1	1	1	8
199.3	Lake George Site 3 Harris Bay	9/2/2007	14.7	8.25	1.5	1	13	22	1	1	1	8
199.3	Lake George Site 3 Harris Bay	9/16/2007	14.5	6.05	1.5	1	10	16	1	1	1	8
199.3	Lake George Site 3 Harris Bay	9/30/2007	14.8	6.65	1.5	1	12	18	1	1	1	6
199.3	Lake George Site 3 Harris Bay	6/24/2007	14.7		13.2	2		20				
199.3	Lake George Site 3 Harris Bay	7/8/2007	14.2		12.7	2		18				
199.3	Lake George Site 3 Harris Bay	7/22/2007	14.7		13.2	2		20				
199.3	Lake George Site 3 Harris Bay	8/5/2007	14.8		13.3	2		16				
199.3	Lake George Site 3 Harris Bay	8/18/2007	8.3		12.8	2		23				
199.3	Lake George Site 3 Harris Bay	9/2/2007	14.7		13.2	2		21				
199.3	Lake George Site 3 Harris Bay	9/16/2007	14.5		13.0	2		17				
199.3	Lake George Site 3 Harris Bay	9/30/2007	14.8		13.3	2		19				

LNum	PName	Date	Zbot	Zsd	Zsamp	Tot.P	NO3	NH4	TDN	TN/TP	TColor	pH	Cond25	Ca	Chl.a
199.04	L George Site 4-Basin Bay	6/27/2004	18.0	7.60		0.005	0.01	0.01	0.33	148.59	8	6.60	123		0.40
199.04	L George Site 4-Basin Bay	7/11/2004	16.5	8.35		0.023	0.01	0.01	0.25	23.30	9	6.68	34		0.30
199.04	L George Site 4-Basin Bay	7/25/2004	15.5	8.80		0.021	0.02	0.02	0.63	64.59		7.97	131		0.42
199.04	L George Site 4-Basin Bay	8/1/2004	15.0	7.43		0.008	0.02	0.03	0.23	67.39	1	7.65	112		1.30
199.04	L George Site 4-Basin Bay	8/22/2004	14.0	6.30		0.007	0.02	0.01	0.38	127.10	9	7.72	133	13.2	2.19
199.04	L George Site 4-Basin Bay	9/5/2004	13.0	6.30		0.006	0.01	0.01	0.27	106.62	3	8.40	89		1.20
199.04	L George Site 4-Basin Bay	9/19/2004	9.0	6.20		0.008	0.01	0.02			3	6.70	116		2.60
199.04	L George Site 4-Basin Bay	10/3/2004	10.5	7.70		0.004	0.02	0.01	0.41	231.74	22	7.95	107		
199.04	L George Site 4-Basin Bay	6/26/2005	13.5	6.60		0.005	0.01	0.01	0.01	2.23	5	7.20	99	11.8	0.16
199.04	L George Site 4-Basin Bay	7/10/2005	8.5	7.65		0.009	0.04	0.02	0.26	65.88	4	8.00	110		
199.04	L George Site 4-Basin Bay	7/24/2005	15.0	8.25		0.006	0.01	0.01	0.19	73.40	1	6.65	122		0.88
199.04	L George Site 4-Basin Bay	8/8/2005	19.5	7.55		0.006	0.03	0.13	0.35	121.06		7.81	120		0.45
199.04	L George Site 4-Basin Bay	8/21/2005	14.0	5.75		0.006	0.01	0.01	0.01	1.83	5	7.72	123		1.02
199.04	L George Site 4-Basin Bay	9/6/2005	13.5	7.15		0.008	0.01	0.01	0.11	32.59	7	7.72	94	11.1	0.76
199.04	L George Site 4-Basin Bay	9/18/2005	8.5	7.60		0.007	0.01	0.01	0.39	118.38	3	7.92	113		0.34
199.04	L George Site 4-Basin Bay	10/2/2005	12.0	7.05		0.005	0.01	0.01	0.10	41.21	5	7.15	75		0.99
199.04	L George Site 4-Basin Bay	6/18/2006	9.0	7.10		0.004	0.01	0.01	0.31	161.07	11	7.61	122	9.4	1.27
199.04	L George Site 4-Basin Bay	7/4/2006	11.0	6.10		0.006				0.00	10	7.17	98		0.86
199.04	L George Site 4-Basin Bay	7/18/2006	10.0	8.65		0.004			0.34	167.79	4	8.42	125		0.53
199.04	L George Site 4-Basin Bay	8/6/2006		9.05		0.007	0.01	0.01	0.60	195.38	2	7.69	135		0.68
199.04	L George Site 4-Basin Bay	8/21/2006	14.5	7.95		0.006	0.04	0.04	0.45	179.81	4	7.97	110	11.6	1.21
199.04	L George Site 4-Basin Bay	9/4/2006	10.5	6.65		0.005			0.29	128.27		7.90	115		1.43
199.04	L George Site 4-Basin Bay	9/18/2006	11.0	7.20		0.007	0.00	0.01	0.41	129.59	9	7.98	59		1.11
199.04	L George Site 4-Basin Bay	9/30/2006	11.0	8.45		0.005	0.02	0.02	0.33	135.86	9	6.93	106		0.32
199.04	L George Site 4-Basin Bay	6/24/2007	14.0	8.85		0.002	0.01	0.02	0.38	442.65	13	8.61	104	11.7	0.33
199.04	L George Site 4-Basin Bay	7/8/2007	14.0	8.20		0.006	0.01	0.03	0.27	94.75	11	7.77	89		0.50
199.04	L George Site 4-Basin Bay	7/28/2007	9.0	7.40		0.005	0.01	0.01	0.38	162.45	15	8.05	119		0.91
199.04	L George Site 4-Basin Bay	8/5/2007	15.0	7.70		0.006	0.01	0.01	0.41	142.22	11	8.33	113		
199.04	L George Site 4-Basin Bay	8/19/2007	24.0	9.90		0.006	0.01	0.01	0.30	103.62	5	7.59	101	12.3	0.78
199.04	L George Site 4-Basin Bay	9/2/2007	15.0	9.00		0.006	0.01	0.04	0.39	149.89	6	8.30	114		1.04
199.04	L George Site 4-Basin Bay	9/16/2007	15.0	7.65		0.008	0.00	0.01	0.37	98.18	7	7.24	113		1.88
199.04	L George Site 4-Basin Bay	9/30/2007	15.0	8.95		0.006	0.02	0.03	1.44	536.69	10	7.91	129		1.26
199.04	L George Site 4-Basin Bay	6/27/2004	18.0		16.5	0.002	0.01	0.01	0.53	561.88					
199.04	L George Site 4-Basin Bay	7/11/2004	16.5		15.5	0.007	0.02	0.01	0.32	95.06					
199.04	L George Site 4-Basin Bay	7/25/2004	15.5		14.5	0.005	0.25	0.02	0.45	184.74					
199.04	L George Site 4-Basin Bay	8/1/2004	15.0		14.0	0.004	0.01	0.02	0.25	154.01					
199.04	L George Site 4-Basin Bay	8/22/2004	14.0		13.0	0.006	0.01	0.02	0.76	284.11					
199.04	L George Site 4-Basin Bay	9/5/2004	13.0		13.0	0.006	0.01	0.01	0.40	149.27					
199.04	L George Site 4-Basin Bay	9/19/2004	9.0		8.0	0.007	0.01	0.01	0.26	79.61					
199.04	L George Site 4-Basin Bay	10/3/2004	10.5		9.5	0.005	0.02	0.01	0.43	192.52					
199.04	L George Site 4-Basin Bay	6/26/2005	13.5			0.009									
199.04	L George Site 4-Basin Bay	7/10/2005	8.5			0.007									
199.04	L George Site 4-Basin Bay	7/24/2005	15.0			0.013									
199.04	L George Site 4-Basin Bay	8/8/2005	19.5			0.011									
199.04	L George Site 4-Basin Bay	8/21/2005	14.0			0.005									
199.04	L George Site 4-Basin Bay	9/6/2005	13.5			0.007									
199.04	L George Site 4-Basin Bay	9/18/2005	8.5			0.007									
199.04	L George Site 4-Basin Bay	10/2/2005	12.0			0.005									
199.04	L George Site 4-Basin Bay	6/18/2006	9.0		7.5	0.007									
199.04	L George Site 4-Basin Bay	7/4/2006	11.0		9.5	0.008									
199.04	L George Site 4-Basin Bay	7/18/2006	10.0		8.5	0.007									
199.04	L George Site 4-Basin Bay	8/6/2006			12.5	0.006									
199.04	L George Site 4-Basin Bay	8/21/2006	14.5		13.0	0.007									
199.04	L George Site 4-Basin Bay	9/4/2006	10.5			0.004									
199.04	L George Site 4-Basin Bay	9/18/2006	11.0		9.5	0.007									
199.04	L George Site 4-Basin Bay	9/30/2006	11.0		9.5	0.005									
199.04	L George Site 4-Basin Bay	6/24/2007	14.0		12.5	0.005									
199.04	L George Site 4-Basin Bay	7/8/2007	14.0		12.5	0.007									
199.04	L George Site 4-Basin Bay	7/28/2007	9.0		7.5	0.006									
199.04	L George Site 4-Basin Bay	8/5/2007	15.0		13.5	0.007									
199.04	L George Site 4-Basin Bay	8/19/2007	24.0		22.2	0.009									
199.04	L George Site 4-Basin Bay	9/2/2007	15.0		13.5	0.005									
199.04	L George Site 4-Basin Bay	9/16/2007	15.0		13.5	0.005									
199.04	L George Site 4-Basin Bay	9/30/2007	15.0		13.5	0.008									

LNum	PName	Date	Zbot	Zsd	Zsamp	QaQc	TAir	TH20	QA	QB	QC	QD
199.04	L George Site 4-Basin Bay	6/27/2004	18.0	7.60		1	17	15	1	1	1	5
199.04	L George Site 4-Basin Bay	7/11/2004	16.5	8.35		1	20	14	1	1	1	5
199.04	L George Site 4-Basin Bay	7/25/2004	15.5	8.80		1	20	15	1	1	1	8
199.04	L George Site 4-Basin Bay	8/1/2004	15.0	7.43		1	18	19	1	1	1	8
199.04	L George Site 4-Basin Bay	8/22/2004	14.0	6.30		1	16	17	1	1	1	8
199.04	L George Site 4-Basin Bay	9/5/2004	13.0	6.30		1	18	21	1	1	1	5
199.04	L George Site 4-Basin Bay	9/19/2004	9.0	6.20		1	13	19	1	1	1	5
199.04	L George Site 4-Basin Bay	10/3/2004	10.5	7.70		1	12	18	1	1	1	8
199.04	L George Site 4-Basin Bay	6/26/2005	13.5	6.60		1	27	15	1	1	1	8
199.04	L George Site 4-Basin Bay	7/10/2005	8.5	7.65		1	23	20	1	1	1	8
199.04	L George Site 4-Basin Bay	7/24/2005	15.0	8.25		1	23		1	1	1	0
199.04	L George Site 4-Basin Bay	8/8/2005	19.5	7.55		1	30		1	1	1	78
199.04	L George Site 4-Basin Bay	8/21/2005	14.0	5.75		1	25		1	1	1	5
199.04	L George Site 4-Basin Bay	9/6/2005	13.5	7.15		1	18		1	1	1	0
199.04	L George Site 4-Basin Bay	9/18/2005	8.5	7.60		1	19	20	1	1	1	5
199.04	L George Site 4-Basin Bay	10/2/2005	12.0	7.05		1	16	18	1	1	1	0
199.04	L George Site 4-Basin Bay	6/18/2006	9.0	7.10		1	22	16	1	1	1	0
199.04	L George Site 4-Basin Bay	7/4/2006	11.0	6.10		1	22	16	1	1	1	5
199.04	L George Site 4-Basin Bay	7/18/2006	10.0	8.65		1	28	21	1	1	1	0
199.04	L George Site 4-Basin Bay	8/6/2006		9.05		1	19	19	1	1	1	0
199.04	L George Site 4-Basin Bay	8/21/2006	14.5	7.95		1	19	17	1	1	1	0
199.04	L George Site 4-Basin Bay	9/4/2006	10.5	6.65		1	19	20	1	1	1	5
199.04	L George Site 4-Basin Bay	9/18/2006	11.0	7.20		1	24	19	1	1	1	5
199.04	L George Site 4-Basin Bay	9/30/2006	11.0	8.45		1	14	17	1	1	1	0
199.04	L George Site 4-Basin Bay	6/24/2007	14.0	8.85		1	18	11	1	1	1	8
199.04	L George Site 4-Basin Bay	7/8/2007	14.0	8.20		1	20	13	1	1	1	5
199.04	L George Site 4-Basin Bay	7/28/2007	9.0	7.40		1	23	23	1	1	1	5
199.04	L George Site 4-Basin Bay	8/5/2007	15.0	7.70		1	22	14	1	1	1	8
199.04	L George Site 4-Basin Bay	8/19/2007	24.0	9.90		1	16	12	1	1	1	5
199.04	L George Site 4-Basin Bay	9/2/2007	15.0	9.00		1	16	20	1	1	1	8
199.04	L George Site 4-Basin Bay	9/16/2007	15.0	7.65		1	12	19	1	1	1	8
199.04	L George Site 4-Basin Bay	9/30/2007	15.0	8.95		1	15	17	1	1	1	8
199.04	L George Site 4-Basin Bay	6/27/2004	18.0		16.5	2						
199.04	L George Site 4-Basin Bay	7/11/2004	16.5		15.5	2						
199.04	L George Site 4-Basin Bay	7/25/2004	15.5		14.5	2						
199.04	L George Site 4-Basin Bay	8/1/2004	15.0		14.0	2						
199.04	L George Site 4-Basin Bay	8/22/2004	14.0		13.0	2						
199.04	L George Site 4-Basin Bay	9/5/2004	13.0		13.0	2						
199.04	L George Site 4-Basin Bay	9/19/2004	9.0		8.0	2						
199.04	L George Site 4-Basin Bay	10/3/2004	10.5		9.5	2						
199.04	L George Site 4-Basin Bay	6/26/2005	13.5			2						
199.04	L George Site 4-Basin Bay	7/10/2005	8.5			2						
199.04	L George Site 4-Basin Bay	7/24/2005	15.0			2		14.0				
199.04	L George Site 4-Basin Bay	8/8/2005	19.5			2		13.0				
199.04	L George Site 4-Basin Bay	8/21/2005	14.0			2		15.0				
199.04	L George Site 4-Basin Bay	9/6/2005	13.5			2		16.0				
199.04	L George Site 4-Basin Bay	9/18/2005	8.5			2						
199.04	L George Site 4-Basin Bay	10/2/2005	12.0			2						
199.04	L George Site 4-Basin Bay	6/18/2006	9.0		7.5	2						
199.04	L George Site 4-Basin Bay	7/4/2006	11.0		9.5	2						
199.04	L George Site 4-Basin Bay	7/18/2006	10.0		8.5	2						
199.04	L George Site 4-Basin Bay	8/6/2006			12.5	2						
199.04	L George Site 4-Basin Bay	8/21/2006	14.5		13.0	2						
199.04	L George Site 4-Basin Bay	9/4/2006	10.5			2						
199.04	L George Site 4-Basin Bay	9/18/2006	11.0		9.5	2						
199.04	L George Site 4-Basin Bay	9/30/2006	11.0		9.5	2						
199.04	L George Site 4-Basin Bay	6/24/2007	14.0		12.5	2						
199.04	L George Site 4-Basin Bay	7/8/2007	14.0		12.5	2						
199.04	L George Site 4-Basin Bay	7/28/2007	9.0		7.5	2						
199.04	L George Site 4-Basin Bay	8/5/2007	15.0		13.5	2						
199.04	L George Site 4-Basin Bay	8/19/2007	24.0		22.2	2						
199.04	L George Site 4-Basin Bay	9/2/2007	15.0		13.5	2						
199.04	L George Site 4-Basin Bay	9/16/2007	15.0		13.5	2						
199.04	L George Site 4-Basin Bay	9/30/2007	15.0		13.5	2						

LNum	PName	Date	Zbot	Zsd	Zsamp	Tot.P	NO3	NH4	TDN	TN/TP	TColor	pH	Cond25	Ca	Chl.a
199.06	L George Site 6 Crown Island	6/29/2004	19.5	4.50		0.006		0.01	0.34	132.89	8		101	12.2	0.50
199.06	L George Site 6 Crown Island	7/20/2004	19.5	4.00		0.017	0.01	0.01	0.21	26.42	6	6.85	118		
199.06	L George Site 6 Crown Island	8/3/2004	19.5	6.75		0.022	0.01	0.02	0.19	19.27		8.51	127		1.00
199.06	L George Site 6 Crown Island	6/28/2005	20.1	8.00		0.013	0.01	0.33	1.04	179.75	4	7.75	119	12.1	0.16
199.06	L George Site 6 Crown Island	7/12/2005	18.3	8.50		0.009	0.05	0.02	0.21	51.52	1	7.70	109		
199.06	L George Site 6 Crown Island	7/19/2005	19.5	7.00		0.016	0.01	0.01	0.18	26.08	5	7.58	203		0.15
199.06	L George Site 6 Crown Island	7/26/2005	18.3	9.50		0.016	0.01	0.01	0.23	32.42		7.34	118		0.05
199.06	L George Site 6 Crown Island	8/23/2005	18.3	8.50		0.011	0.01	0.01	0.16	30.55	5	7.81	100		0.05
199.06	L George Site 6 Crown Island	9/12/2005	18.3	7.50		0.010	0.01	0.01	0.17	39.87	3	7.38	112		0.05
199.06	L George Site 6 Crown Island	7/8/2007	20.5	11.25	1.5	0.016	0.01	0.01	0.26	36.45	6	7.61	124	11.7	0.10
199.06	L George Site 6 Crown Island	7/14/2007	20.5	9.80	1.5	0.004	0.01	0.02	0.33	194.6	11	7.67	153		0.14
199.06	L George Site 6 Crown Island	7/21/2007	20.5	9.70	1.5	0.005	0.01	0.01	0.42	180.2	10	7.39	116		0.38
199.06	L George Site 6 Crown Island	7/29/2007	20.0	8.88	1.5	0.007	0.03	0.02	0.38	121.3	8	7.54	117		0.27
199.06	L George Site 6 Crown Island	8/11/2007	20.0	12.25	1.5	0.008	0.00	0.01	0.51	140.1	7	7.32	125	12.2	0.10
199.06	L George Site 6 Crown Island	8/15/2007	20.0	9.10	1.5	0.007	0.01	0.01	0.35	105.0	9	7.80	114		0.13
199.06	L George Site 6 Crown Island	8/18/2007	20.0	10.10	1.5	0.005	0.01	0.01	0.33	150.0	5	7.51	99		0.10
199.06	L George Site 6 Crown Island	8/26/2007	20.0	9.80	1.5	0.030	0.00	0.01	0.42	30.85	39	8.08	117		0.10
199.06	L George Site 6 Crown Island	6/29/2004	19.5		19.5	0.009	0.03	0.01	0.60	146.91					
199.06	L George Site 6 Crown Island	7/20/2004	19.5		19.5	0.011	0.02	0.01	0.07	13.89					
199.06	L George Site 6 Crown Island	8/3/2004			0.0	0.004	0.09	0.01	0.37	187.13					
199.06	L George Site 6 Crown Island	6/28/2005	20.1		18.3	0.011									
199.06	L George Site 6 Crown Island	7/12/2005	18.3		15.2	0.014									
199.06	L George Site 6 Crown Island	7/19/2005	19.5		15.2	0.006									
199.06	L George Site 6 Crown Island	7/26/2005	18.3		15.2	0.019									
199.06	L George Site 6 Crown Island	8/23/2005	18.3		15.2	0.007									
199.06	L George Site 6 Crown Island	9/12/2005	18.3		15.2	0.008									
199.06	L George Site 6 Crown Island	7/8/2007	20.5		19.0	0.006									
199.06	L George Site 6 Crown Island	7/14/2007	20.5		19.0	0.015									
199.06	L George Site 6 Crown Island	7/21/2007	20.5		19.0	0.006									
199.06	L George Site 6 Crown Island	7/29/2007	20.0		18.5	0.015									
199.06	L George Site 6 Crown Island	8/11/2007	20.0		18.5	0.006									
199.06	L George Site 6 Crown Island	8/15/2007	20.0		18.5	0.010									
199.06	L George Site 6 Crown Island	8/18/2007	20.0		18.5	0.010									
199.06	L George Site 6 Crown Island	8/26/2007	20.0		18.5	0.011									

LNum	PName	Date	Zbot	Zsd	Zsamp	QaQc	TAir	TH20	QA	QB	QC	QD
199.06	L George Site 6 Crown Island	6/29/2004	19.5	4.50		1	27	21	1	1	1	0
199.06	L George Site 6 Crown Island	7/20/2004	19.5	4.00		1	28	24	1	1	1	8
199.06	L George Site 6 Crown Island	8/3/2004	19.5	6.75		1	25	23	1	1	1	7
199.06	L George Site 6 Crown Island	6/28/2005	20.1	8.00		1	44	27	1	1	1	7
199.06	L George Site 6 Crown Island	7/12/2005	18.3	8.50		1	27	24	1	1	1	0
199.06	L George Site 6 Crown Island	7/19/2005	19.5	7.00		1	30	26	1	1	1	0
199.06	L George Site 6 Crown Island	7/26/2005	18.3	9.50		1	32	26	1	1	1	5
199.06	L George Site 6 Crown Island	8/23/2005	18.3	8.50		1	24	25	1	1	1	7
199.06	L George Site 6 Crown Island	9/12/2005	18.3	7.50		1	27	23	1	2	1	0
199.06	L George Site 6 Crown Island	7/8/2007	20.5	11.25	1.5	1	25	21	1	2	1	0
199.06	L George Site 6 Crown Island	7/14/2007	20.5	9.80	1.5	1	23	22	1	2	1	0
199.06	L George Site 6 Crown Island	7/21/2007	20.5	9.70	1.5	1	24	22	1	2	1	7
199.06	L George Site 6 Crown Island	7/29/2007	20.0	8.88	1.5	1	22	23	1	2	1	8
199.06	L George Site 6 Crown Island	8/11/2007	20.0	12.25	1.5	1	26	24	1	1	1	8
199.06	L George Site 6 Crown Island	8/15/2007	20.0	9.10	1.5	1	24	25	1	2	1	8
199.06	L George Site 6 Crown Island	8/18/2007	20.0	10.10	1.5	1	17	22	1	1	1	6
199.06	L George Site 6 Crown Island	8/26/2007	20.0	9.80	1.5	1	26	22	1	2	2	6
199.06	L George Site 6 Crown Island	6/29/2004	19.5		19.5	2		12				
199.06	L George Site 6 Crown Island	7/20/2004	19.5		19.5	2		13				
199.06	L George Site 6 Crown Island	8/3/2004			0.0	2		21				
199.06	L George Site 6 Crown Island	6/28/2005	20.1		18.3	2		15				
199.06	L George Site 6 Crown Island	7/12/2005	18.3		15.2	2		19				
199.06	L George Site 6 Crown Island	7/19/2005	19.5		15.2	2		16				
199.06	L George Site 6 Crown Island	7/26/2005	18.3		15.2	2		14				
199.06	L George Site 6 Crown Island	8/23/2005	18.3		15.2	2		17				
199.06	L George Site 6 Crown Island	9/12/2005	18.3		15.2	2		19				
199.06	L George Site 6 Crown Island	7/8/2007	20.5		19.0	2		12				
199.06	L George Site 6 Crown Island	7/14/2007	20.5		19.0	2		14				
199.06	L George Site 6 Crown Island	7/21/2007	20.5		19.0	2		12				
199.06	L George Site 6 Crown Island	7/29/2007	20.0		18.5	2		13				
199.06	L George Site 6 Crown Island	8/11/2007	20.0		18.5	2		14				
199.06	L George Site 6 Crown Island	8/15/2007	20.0		18.5	2		13				
199.06	L George Site 6 Crown Island	8/18/2007	20.0		18.5	2		13				
199.06	L George Site 6 Crown Island	8/26/2007	20.0		18.5	2		14				

LNum	PName	Date	Zbot	Zsd	Zsamp	Tot.P	NO3	NH4	TDN	TN/TP	TColor	pH	Cond25	Ca	Chl.a
199.7	Lake George Site 7 Warner Bay	6/17/2007	14.3	5.55	1.5	0.005	0.01	0.02	0.30	138.0	8	8.14	67	11.9	0.10
199.7	Lake George Site 7 Warner Bay	7/2/2007	13.3	5.95	1.5	0.007	0.01	0.06	0.72	226.3	5	8.00	124		0.10
199.7	Lake George Site 7 Warner Bay	8/1/2007	14.0	7.15	1.5	0.006	0.04	0.03	0.33	121.7	7	7.93	144		0.80
199.7	Lake George Site 7 Warner Bay	8/21/2007	13.4	7.15	1.5	0.006	0.01	0.01	0.43	159.7	10	8.43	81		0.92
199.7	Lake George Site 7 Warner Bay	9/14/2007	14.2	7.25	1.5	0.007	0.01	0.01	0.24	74.7	11	7.87	75		0.10
199.7	Lake George Site 7 Warner Bay	6/17/2007	14.3		12.8	0.007									
199.7	Lake George Site 7 Warner Bay	7/2/2007	13.3		12.8										
199.7	Lake George Site 7 Warner Bay	8/1/2007	14.0		12.5	0.005									
199.7	Lake George Site 7 Warner Bay	8/21/2007	13.4			0.006									
199.7	Lake George Site 7 Warner Bay	9/14/2007	14.2		13.0	0.010									

LNum	PName	Date	Zbot	Zsd	Zsamp	QaQc	TAir	TH20	QA	QB	QC	QD
199.7	Lake George Site 7 Warner Bay	6/17/2007	14.3	5.55	1.5	1	20	21	2	2	1	7
199.7	Lake George Site 7 Warner Bay	7/2/2007	13.3	5.95	1.5	1	18	20	1	1	1	7
199.7	Lake George Site 7 Warner Bay	8/1/2007	14.0	7.15	1.5	1	30	26	1	1	1	7
199.7	Lake George Site 7 Warner Bay	8/21/2007	13.4	7.15	1.5	1	21	22	1	1	1	7
199.7	Lake George Site 7 Warner Bay	9/14/2007	14.2	7.25	1.5	1	26	21	1	1	1	8
199.7	Lake George Site 7 Warner Bay	6/17/2007	14.3		12.8	2		20				
199.7	Lake George Site 7 Warner Bay	7/2/2007	13.3		12.8	2		17				
199.7	Lake George Site 7 Warner Bay	8/1/2007	14.0		12.5	2						
199.7	Lake George Site 7 Warner Bay	8/21/2007	13.4			2		15				
199.7	Lake George Site 7 Warner Bay	9/14/2007	14.2		13.0	2		16				

LNum	PName	Date	Zbot	Zsd	Zsamp	Tot.P	NO3	NH4	TDN	TN/TP	TColor	pH	Cond25	Ca	Chl.a
199.11	Lake George Site 11 NW Bay	6/19/2007	22.9	8.25	1.5	0.006	0.00	0.01	0.47	172.1	8	7.07	115	10.9	0.10
199.11	Lake George Site 11 NW Bay	7/3/2007	22.8	11.95	1.5	0.011			0.22	44.2	8	8.00	91		0.69
199.11	Lake George Site 11 NW Bay	7/17/2007	24.0	10.45	1.5	0.010	0.01	0.01	0.33	76.9	5	7.83	107		1.05
199.11	Lake George Site 11 NW Bay	7/25/2007	24.4	9.70	1.5	0.006	0.04	0.06	0.72	258.4	9	8.04	112		0.64
199.11	Lake George Site 11 NW Bay	7/31/2007	21.9	9.25		0.006	0.07	0.01	0.57	197.3	5	7.66	112		0.82
199.11	Lake George Site 11 NW Bay	8/14/2007	22.3	11.75	1.5	0.019	0.00	0.01	0.37	44.1	5	8.04	100	12.1	0.56
199.11	Lake George Site 11 NW Bay	8/28/2007	23.8	10.80	1.5	0.008	0.00	0.01	0.32	86.3	8	8.42	177		0.76
199.11	Lake George Site 11 NW Bay	9/11/2007	24.4	9.20	1.5	0.024	0.01	0.03	0.36	33.1	8	7.55	107		1.03
199.11	Lake George Site 11 NW Bay	6/19/2007	22.9		21.3	0.014									
199.11	Lake George Site 11 NW Bay	7/3/2007	22.8		22.8	0.009									
199.11	Lake George Site 11 NW Bay	7/17/2007	24.0		24.0	0.005									
199.11	Lake George Site 11 NW Bay	7/25/2007	24.4		23.7	0.009									
199.11	Lake George Site 11 NW Bay	7/31/2007	21.9		21.5	0.010									
199.11	Lake George Site 11 NW Bay	8/14/2007	22.3		22.3	0.007									
199.11	Lake George Site 11 NW Bay	8/28/2007	23.8		22.9	0.011									
199.11	Lake George Site 11 NW Bay	9/11/2007	24.4		23.8	0.010									

LNum	PName	Date	Zbot	Zsd	Zsamp	QaQc	TAir	TH20	QA	QB	QC	QD
199.11	Lake George Site 11 NW Bay	6/19/2007	22.9	8.25	1.5	1	25	23	1	2	1	8
199.11	Lake George Site 11 NW Bay	7/3/2007	22.8	11.95	1.5	1	20	21	1	2	1	8
199.11	Lake George Site 11 NW Bay	7/17/2007	24.0	10.45	1.5	1	24	23	1	2	1	8
199.11	Lake George Site 11 NW Bay	7/25/2007	24.4	9.70	1.5	1	23	20	1	2	1	8
199.11	Lake George Site 11 NW Bay	7/31/2007	21.9	9.25		1	26	23	1	2	1	0
199.11	Lake George Site 11 NW Bay	8/14/2007	22.3	11.75	1.5	1	19	23	1	2	1	0
199.11	Lake George Site 11 NW Bay	8/28/2007	23.8	10.80	1.5	1	23	23	1	2	1	8
199.11	Lake George Site 11 NW Bay	9/11/2007	24.4	9.20	1.5	1	19	21	1	2	1	8
199.11	Lake George Site 11 NW Bay	6/19/2007	22.9		21.3	2		12				
199.11	Lake George Site 11 NW Bay	7/3/2007	22.8		22.8	2		12				
199.11	Lake George Site 11 NW Bay	7/17/2007	24.0		24.0	2		12				
199.11	Lake George Site 11 NW Bay	7/25/2007	24.4		23.7	2		14				
199.11	Lake George Site 11 NW Bay	7/31/2007	21.9		21.5	2						
199.11	Lake George Site 11 NW Bay	8/14/2007	22.3		22.3	2		13				
199.11	Lake George Site 11 NW Bay	8/28/2007	23.8		22.9	2		13				
199.11	Lake George Site 11 NW Bay	9/11/2007	24.4		23.8	2		15				

LNum	PName	Date	Zbot	Zsd	Zsamp	Tot.P	NO3	NH4	TDN	TN/TP	TColor	pH	Cond25	Ca	Chl.a
199.21	L George Site 21 Hewlett's Land	6/29/2004	21.6	10.72	0.5	0.007									
199.21	L George Site 21 Hewlett's Land	7/11/2004	15.0	10.39	1.5		0.01	0.01	0.38		2	8.65	104		0.60
199.21	L George Site 21 Hewlett's Land	8/29/2004	22.0	8.00		0.003	0.01	0.02	0.44	343.31	3	7.96	97		0.14
199.21	L George Site 21 Hewlett's Land	9/12/2004	25.0	8.00		0.003	0.01	0.01	0.21	139.34	7	8.07	96		0.54
199.21	L George Site 21 Hewlett's Land	7/10/2005	18.0	9.85	0.5	0.004	0.02	0.01	0.26	136.33				13.0	0.46
199.21	L George Site 21 Hewlett's Land	9/4/2005		8.50		0.003	0.01	0.01	0.32	207.87		7.78	116		0.41
199.21	L George Site 21 Hewlett's Land	7/24/2006		9.25		0.002	0.01	0.02	0.30	443.12	10	8.02	59	7.0	0.01
199.21	L George Site 21 Hewlett's Land	8/21/2006		7.80		0.002	0.02	0.02			5	7.89	116		0.31
199.21	L George Site 21 Hewlett's Land	8/31/2006		8.05		0.005			0.75	336.85		7.50	100		0.38
199.21	L George Site 21 Hewlett's Land	7/15/2007	22.9	9.00	1.5	0.003	0.01	0.02	0.32	223.68	5	7.77	77	12.4	0.38
199.21	L George Site 21 Hewlett's Land	7/26/2007		7.25		0.003	0.04	0.01	0.40	305.86	2	8.21	117		0.54
199.21	L George Site 21 Hewlett's Land	8/5/2007		10.45		0.003	0.01	0.03	0.52	358.98	5	7.51	134		0.33
199.21	L George Site 21 Hewlett's Land	8/12/2007		9.75		0.005	0.00	0.01	0.36	148.92	5	8.09	116		0.52
199.21	L George Site 21 Hewlett's Land	8/26/2007		7.61		0.004		0.07			7	7.52	113	12.6	0.22
199.21	L George Site 21 Hewlett's Land	9/3/2007		9.15		0.003	0.01	0.01	0.39	269.06	5	8.11	108		0.10
199.21	L George Site 21 Hewlett's Land	9/14/2007		8.05		0.003	0.00	0.01	0.33	231.43	5	7.46	109		0.62
199.21	L George Site 21 Hewlett's Land	6/29/2004	21.6		17.7	0.005									
199.21	L George Site 21 Hewlett's Land	7/11/2004	15.0		13.5	0.003	0.01	0.01	0.32	210.56					
199.21	L George Site 21 Hewlett's Land	8/29/2004	22.0		22.0	0.015		0.09	0.44	66.42					
199.21	L George Site 21 Hewlett's Land	9/12/2004				0.010	0.01	0.01	0.41	87.39					
199.21	L George Site 21 Hewlett's Land	7/10/2005	18.0			0.022									
199.21	L George Site 21 Hewlett's Land	9/4/2005			10.5	0.010									
199.21	L George Site 21 Hewlett's Land	7/24/2006			17.0	0.009									
199.21	L George Site 21 Hewlett's Land	8/21/2006													
199.21	L George Site 21 Hewlett's Land	8/31/2006			~18	0.010									
199.21	L George Site 21 Hewlett's Land	7/15/2007	22.9			0.007									
199.21	L George Site 21 Hewlett's Land	7/26/2007			22.8	0.017									
199.21	L George Site 21 Hewlett's Land	8/5/2007				0.013									
199.21	L George Site 21 Hewlett's Land	8/12/2007				0.005									
199.21	L George Site 21 Hewlett's Land	8/26/2007				0.011									
199.21	L George Site 21 Hewlett's Land	9/3/2007				0.019									
199.21	L George Site 21 Hewlett's Land	9/14/2007													

LNum	PName	Date	Zbot	Zsd	Zsamp	QaQc	TAir	TH20	QA	QB	QC	QD
199.21	L George Site 21 Hewlett's Land	6/29/2004	21.6	10.72	0.5	1	18		2	1	2	78
199.21	L George Site 21 Hewlett's Land	7/11/2004	15.0	10.39	1.5	1	27	22	1	1	1	0
199.21	L George Site 21 Hewlett's Land	8/29/2004	22.0	8.00		1	28		1	1	1	0
199.21	L George Site 21 Hewlett's Land	9/12/2004	25.0	8.00		1	24		1	1	1	0
199.21	L George Site 21 Hewlett's Land	7/10/2005	18.0	9.85	0.5	1	34	23	1	1	1	0
199.21	L George Site 21 Hewlett's Land	9/4/2005		8.50		1	27	22	1	1	1	0
199.21	L George Site 21 Hewlett's Land	7/24/2006		9.25		1	30	23	1	1	1	0
199.21	L George Site 21 Hewlett's Land	8/21/2006		7.80		1	26	24	1	1	1	0
199.21	L George Site 21 Hewlett's Land	8/31/2006		8.05		1	21	21	1	1	1	0
199.21	L George Site 21 Hewlett's Land	7/15/2007	22.9	9.00	1.5	1	28	23	1	1	1	58
199.21	L George Site 21 Hewlett's Land	7/26/2007		7.25		1	24	24	1	1	1	8
199.21	L George Site 21 Hewlett's Land	8/5/2007		10.45		1	32	24	1	1	1	0
199.21	L George Site 21 Hewlett's Land	8/12/2007		9.75		1	27	24	1	1	1	7
199.21	L George Site 21 Hewlett's Land	8/26/2007		7.61		1	22	21	1	1	3	5
199.21	L George Site 21 Hewlett's Land	9/3/2007		9.15		1	26	21	1	1	1	0
199.21	L George Site 21 Hewlett's Land	9/14/2007		8.05		1	20	18	1	1	1	5
199.21	L George Site 21 Hewlett's Land	6/29/2004	21.6		17.7	2						
199.21	L George Site 21 Hewlett's Land	7/11/2004	15.0		13.5	2						
199.21	L George Site 21 Hewlett's Land	8/29/2004	22.0		22.0	2						
199.21	L George Site 21 Hewlett's Land	9/12/2004				2						
199.21	L George Site 21 Hewlett's Land	7/10/2005	18.0			2						
199.21	L George Site 21 Hewlett's Land	9/4/2005			10.5	2						
199.21	L George Site 21 Hewlett's Land	7/24/2006			17.0	2						
199.21	L George Site 21 Hewlett's Land	8/21/2006				2						
199.21	L George Site 21 Hewlett's Land	8/31/2006			~18	2						
199.21	L George Site 21 Hewlett's Land	7/15/2007	22.9			2						
199.21	L George Site 21 Hewlett's Land	7/26/2007			22.8	2						
199.21	L George Site 21 Hewlett's Land	8/5/2007				2						
199.21	L George Site 21 Hewlett's Land	8/12/2007				2						
199.21	L George Site 21 Hewlett's Land	8/26/2007				2						
199.21	L George Site 21 Hewlett's Land	9/3/2007				2						
199.21	L George Site 21 Hewlett's Land	9/14/2007				2						

LNum	PName	Date	Zbot	Zsd	Zsamp	Tot.P	NO3	NH4	TDN	TN/TP	TColor	pH	Cond25	Ca	Chl.a
199.23	L. George Site 23 Gull Bay	6/19/2007	10.5	7.35		0.004	0.00	0.01	0.29	156.7	21	7.14	66	10.4	0.79
199.23	L. George Site 23 Gull Bay	7/3/2007	20.0	8.60		0.006	0.08	0.04	0.48	177.6	0	8.54	103		0.21
199.23	L. George Site 23 Gull Bay	7/16/2007	16.5	12.25		0.006	0.00	0.01	0.26	91.8	4	8.07	109		0.79
199.23	L. George Site 23 Gull Bay	8/1/2007	16.4	10.15		0.005	0.01	0.01	0.53	216.4	6	7.91	105		0.70
199.23	L. George Site 23 Gull Bay	8/20/2007	16.3	12.05		0.007	0.01	0.01	0.64	215.8	8	8.37	128	12.4	0.10
199.23	L. George Site 23 Gull Bay	8/31/2007	17.3	10.40		0.007	0.01	0.01	0.55	175.4	5	8.24	90		0.49
199.23	L. George Site 23 Gull Bay	9/12/2007	12.5	8.55		0.003	0.00	0.01	0.45	352.8	7	8.00	123		0.49
199.23	L. George Site 23 Gull Bay	10/3/2007	17.6	10.70			0.04	0.01	0.49		5	7.99	327		0.72
199.23	L. George Site 23 Gull Bay	6/19/2007	10.5		10.0	0.004									
199.23	L. George Site 23 Gull Bay	7/3/2007	20.0		14.0										
199.23	L. George Site 23 Gull Bay	7/16/2007	16.5		14.6	0.007									
199.23	L. George Site 23 Gull Bay	8/1/2007	16.4		17.6	0.005									
199.23	L. George Site 23 Gull Bay	8/20/2007	16.3		16.4	0.007									
199.23	L. George Site 23 Gull Bay	8/31/2007	17.3		16.0	0.005									
199.23	L. George Site 23 Gull Bay	9/12/2007	12.5			0.011									
199.23	L. George Site 23 Gull Bay	10/3/2007	17.6		16.0	0.006									

LNum	PName	Date	Zbot	Zsd	Zsamp	QaQc	TAir	TH20	QA	QB	QC	QD
199.23	L. George Site 23 Gull Bay	6/19/2007	10.5	7.35		1	29	23	1	1	1	0
199.23	L. George Site 23 Gull Bay	7/3/2007	20.0	8.60		1	32	24	1	1	1	0
199.23	L. George Site 23 Gull Bay	7/16/2007	16.5	12.25		1	27	26	1	1	1	6
199.23	L. George Site 23 Gull Bay	8/1/2007	16.4	10.15		1	32	25	1	1	1	0
199.23	L. George Site 23 Gull Bay	8/20/2007	16.3	12.05		1	24	23	1	1	1	0
199.23	L. George Site 23 Gull Bay	8/31/2007	17.3	10.40		1	30	25	1	1	1	0
199.23	L. George Site 23 Gull Bay	9/12/2007	12.5	8.55		1	20	22	1	1	2	0
199.23	L. George Site 23 Gull Bay	10/3/2007	17.6	10.70		1	21	21				
199.23	L. George Site 23 Gull Bay	6/19/2007	10.5		10.0	2		15				
199.23	L. George Site 23 Gull Bay	7/3/2007	20.0		14.0	2		14				
199.23	L. George Site 23 Gull Bay	7/16/2007	16.5		14.6	2		15				
199.23	L. George Site 23 Gull Bay	8/1/2007	16.4		17.6	2		14				
199.23	L. George Site 23 Gull Bay	8/20/2007	16.3		16.4	2		13				
199.23	L. George Site 23 Gull Bay	8/31/2007	17.3		16.0	2		16				
199.23	L. George Site 23 Gull Bay	9/12/2007	12.5			2		15				
199.23	L. George Site 23 Gull Bay	10/3/2007	17.6		16.0	2		16				

LNum	PName	Date	Zbot	Zsd	Zsamp	Tot.P	NO3	NH4	TDN	TN/TP	TColor	pH	Cond25	Ca	Chl.a
199.24	L George Site 24 Hearts Bay	7/31/2005	21.9	8.30	1.5	0.015	0.01	0.04	0.33	49.22	20	7.68	102	5.1	0.76
199.24	L George Site 24 Hearts Bay	8/27/2005	22.5		1.5		0.01	0.01	0.20						
199.24	L George Site 24 Hearts Bay	9/12/2005	21.9	9.00	1.5	0.009	0.01	0.01	0.18	42.24	9	7.60	112		0.68
199.24	L George Site 24 Hearts Bay	10/2/2005	22.0	8.50	1.5		0.01	0.01	0.13						
199.24	L George Site 24 Hearts Bay	7/16/2006		9.00	1.5	0.017	0.01	0.02	0.40	51.24		7.38	103	10.8	0.10
199.24	L George Site 24 Hearts Bay	7/30/2006	21.0	8.00	1.5	0.012	0.02	0.02	0.38	68.33	11	8.05	111		0.31
199.24	L George Site 24 Hearts Bay	8/20/2006		7.50	1.5	0.007	0.01	0.01	0.57	176.21	1	7.32	120		0.28
199.24	L George Site 24 Hearts Bay	8/28/2006	21.9	8.00	1.5	0.004	0.03	0.01	0.63	382.39	9	7.91	79		0.83
199.24	L George Site 24 Hearts Bay	10/7/2006		8.00	1.5	0.012	0.02	0.03	0.37	65.77	5	6.83	79	10.8	0.63
199.24	L George Site 24 Hearts Bay	7/21/2007	21.0	8.00	1.5		0.04	0.02	0.43	22.4	31	8.70	93	12.4	0.10
199.24	L George Site 24 Hearts Bay	7/28/2007		9.00	1.5		0.02	0.01	0.42	44.1	6	8.06	102		0.22
199.24	L George Site 24 Hearts Bay	8/5/2007	24.0	8.00	1.5	0.007	0.09	0.01	0.60	188.4	2	8.13	96		0.23
199.24	L George Site 24 Hearts Bay	8/13/2007	24.0	8.00	1.5	0.011	0.24	0.01	0.42	86.0	1	7.87	121		0.92
199.24	L George Site 24 Hearts Bay	8/27/2007	24.0	8.00	1.5	0.009	0.01	0.01	0.33	86.8	6	7.00	90	11.7	0.31
199.24	L George Site 24 Hearts Bay	9/3/2007	24.0	8.00	1.5	0.008	0.03	0.01	0.43	126.3	2	7.07	98		0.35
199.24	L George Site 24 Hearts Bay	7/16/2006			15.0	0.006									
199.24	L George Site 24 Hearts Bay	7/30/2006	21.0		15.0	0.013									
199.24	L George Site 24 Hearts Bay	8/20/2006			15.0	0.009									
199.24	L George Site 24 Hearts Bay	8/28/2006	21.9		15.0	0.005									
199.24	L George Site 24 Hearts Bay	10/7/2006			20.0	0.005									
199.24	L George Site 24 Hearts Bay	7/21/2007	21.0		15.0	0.010									
199.24	L George Site 24 Hearts Bay	7/28/2007			15.0	0.007									
199.24	L George Site 24 Hearts Bay	8/5/2007	24.0		15.0	0.007									
199.24	L George Site 24 Hearts Bay	8/13/2007	24.0		15.0	0.006									
199.24	L George Site 24 Hearts Bay	8/27/2007	24.0		15.0	0.011									
199.24	L George Site 24 Hearts Bay	9/3/2007	24.0		15.0	0.009									

LNum	PName	Date	Zbot	Zsd	Zsamp	QaQc	TAir	TH20	QA	QB	QC	QD
199.24	L George Site 24 Hearts Bay	7/31/2005	21.9	8.30	1.5	1	28	25	1	1	1	0
199.24	L George Site 24 Hearts Bay	8/27/2005	22.5		1.5	1	25	24	1	1	1	5
199.24	L George Site 24 Hearts Bay	9/12/2005	21.9	9.00	1.5	1	26	26	1	3	1	5
199.24	L George Site 24 Hearts Bay	10/2/2005	22.0	8.50	1.5	1	28	20	1	2	1	0
199.24	L George Site 24 Hearts Bay	7/16/2006		9.00	1.5	1	30	25	1	2	1	0
199.24	L George Site 24 Hearts Bay	7/30/2006	21.0	8.00	1.5	1	25	25	1	1	1	0
199.24	L George Site 24 Hearts Bay	8/20/2006		7.50	1.5	1	23	22	1	2	1	
199.24	L George Site 24 Hearts Bay	8/28/2006	21.9	8.00	1.5	1	24	22	1	1	1	0
199.24	L George Site 24 Hearts Bay	10/7/2006		8.00	1.5	1	21	17	1	2	1	0
199.24	L George Site 24 Hearts Bay	7/21/2007	21.0	8.00	1.5	1	25	22	1		1	5
199.24	L George Site 24 Hearts Bay	7/28/2007		9.00	1.5	1	25	25	1	2	1	0
199.24	L George Site 24 Hearts Bay	8/5/2007	24.0	8.00	1.5	1	25	25	1	2	1	0
199.24	L George Site 24 Hearts Bay	8/13/2007	24.0	8.00	1.5	1	25	23	1	2	1	0
199.24	L George Site 24 Hearts Bay	8/27/2007	24.0	8.00	1.5	1	25	23	1	3	1	0
199.24	L George Site 24 Hearts Bay	9/3/2007	24.0	8.00	1.5	1	26	22	1	3	1	0
199.24	L George Site 24 Hearts Bay	7/16/2006			15.0	2		15				
199.24	L George Site 24 Hearts Bay	7/30/2006	21.0		15.0	2		15				
199.24	L George Site 24 Hearts Bay	8/20/2006			15.0	2		15				
199.24	L George Site 24 Hearts Bay	8/28/2006	21.9		15.0	2		15				
199.24	L George Site 24 Hearts Bay	10/7/2006			20.0	2		15				
199.24	L George Site 24 Hearts Bay	7/21/2007	21.0		15.0	2		15				
199.24	L George Site 24 Hearts Bay	7/28/2007			15.0	2		16				
199.24	L George Site 24 Hearts Bay	8/5/2007	24.0		15.0	2		26				
199.24	L George Site 24 Hearts Bay	8/13/2007	24.0		15.0	2		15				
199.24	L George Site 24 Hearts Bay	8/27/2007	24.0		15.0	2		19				
199.24	L George Site 24 Hearts Bay	9/3/2007	24.0		15.0	2		19				