CSLAP 2014 Lake Water Quality Summary: Schroon Lake

General Lake Information

Location Towns of Chester, Horicon and Schroon

County Essex and Warren Upper Hudson River

Size 1,670.6 hectares (4,126.4 acres)

Lake Origins Natural

Watershed Area 136,000 hectares (335,920 acres)

Retention Time0.4 yearsMean Depth17 metersSounding Depth44 metersPublic Access?DEC launch

Major Tributaries Schroon River, Alder Creek, Mill Brook, Rogers Brook,

Spectacle Brook, Sucker Brook, Sucker Brook

Lake Tributary To... Schroon River to Hudson River

WQ Classification AA (potable water)

Lake Outlet Latitude 43.728 **Lake Outlet Longitude** -73.812

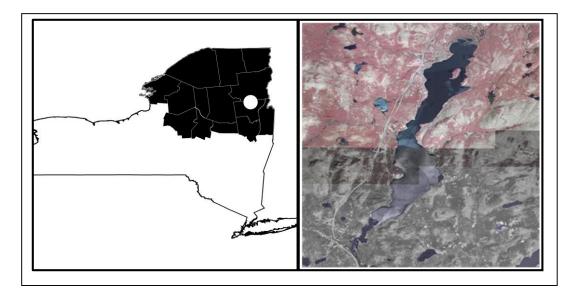
Sampling Years 1987-1995, 1997-2014

2014 Samplers Chuck and Nancy Harste, Timmy Salit, Kevin Nessler, Merritt

Hulst, Glen Repko, M. Ryan, and A. and D. Dalto

Main Contact Chuck Harste and Bob Colegrove

Lake Map



Background

Schroon Lake is a 4125 acre, class AA lake found in the Town of Schroon in Essex County and the town of Horicon in Essex County, in southeastern Adirondack region of New York State. It was first sampled as part of CSLAP in 1987.

It is one of nine CSLAP lakes among the more than 270 lakes found in Essex County, one of 12 CSLAP lakes among the 120 lakes in Warren County, and one of 31 CSLAP lakes among the more than 470 lakes and ponds in the Upper Hudson River drainage basin.

Lake Uses

Schroon Lake is a Class AA lake; this means that the best intended use for the lake is for potable water use—drinking, contact recreation—swimming and bathing, non-contact recreation—boating and angling, aquatic life, and aesthetics. The lake is used by lake residents and visitors for swimming, boating and other recreation via shoreline properties and a public boat launch.

The state stocks about 7,300 six to seven inch lake trout and about 3,000 seven inch landlocked salmon each year at Schroon Lake. Fish species in the lake include Atlantic salmon, black crappie, brown bullhead, lake trout, largemouth bass, northern pike, pumpkinseed sunfish, rainbow smelt, rock bass, white sucker, and yellow perch.

General statewide fishing regulations are applicable in Schroon Lake. In addition, for sunfish, yellow perch, and pickerel, the open season lasts all year long, with no daily take or size limit. For landlocked salmon, open season lasts all year long, with a minimum size limit of 15 inches and a daily take limit of three fish. There is a daily limit of two lake trout and a minimum size of 18 inches. For trout, there is a daily take limit of five fish, but no size limits or limits on the length of the open season.

In addition to the statewide fish consumption advisories, there are several fish advisories governing consumption of fish in Schroon Lake. For lake trout greater than 27 inches in length, yellow perch more than 13 inches in length, or smallmouth bass of any size, the New York State Department of Health recommends no more than a single meal per month.

Historical Water Quality Data

CSLAP sampling was conducted on Schroon Lake from 1987 to 1995, and 1997 to 2014. The CSLAP reports for each of the past several years can be found on the NYSFOLA website at http://nysfola.mylaketown.com. The most recent CSLAP report and scorecard for Schroon Lake can also be found on the NYSDEC web page at http://www.dec.ny.gov/lands/77872.html.

Schroon Lake has been sampled through a number of major monitoring programs. It was sampled in 1992 as part of the US Environmental Protection Agency (USEPA) Environmental Monitoring and Assessment Program (EMAP), a short-term nationwide monitoring program in which samples lakes are randomly chosen. The lake was also sampled in 1991 as part of the USEPA Temporal Integrated Monitoring (TIME) program used to evaluate lake acidity and other water quality issues. Schroon Lake was also sampled through several NYSDEC monitoring programs prior to CSLAP, including the Lake Classification and Inventory (LCI) survey and its predecessor ambient lake monitoring program in 1982, 1973 and 1972. The lake has also been

regularly sampled by NYSDEC Fisheries staff, recently in 1983, 1984, 1989, and 1998, and originally by the Conservation Department (the predecessor to the NYSDEC) as part of the Biological Survey of the Black River basin in 1931. The lake was also sampled extensively by Adirondack Ecologists (AE) through consulting work conducted by Steve LaMere.

The data from the USEPA and NYSDEC monitoring programs from the early 1970s through the early 1990s indicated that water quality conditions were similar to that measured through CSLAP starting in the late 1980s. There was depressed pH in the 1982 LCI surface sample, but it is likely that this was not representative of the lake.

The 1932 Biological Survey was intended in part to evaluate water quality conditions as they relate to fisheries management, so much of the information collected cannot be easily compared to the CSLAP dataset. The summary information for the lake included the following:

"Within the area bounded by its shores are a variety of depths and bottom conditions which meet the life requirements of several species of fishes. A large part of the lakes is over 50 feet deep and in most places the bottom slopes rapidly away from the shores which are made for the most part of sand, gravel, or rubble. The oxygen and temperature relationships are especially good, the oxygen value of 8.1 parts per million which obtains on the bottom in 130 feet of water surpassing all other records secured in the deep part of lakes in the watershed. In spite of these excellent conditions in the deeper portions of the lake there are few records of lake trout for this season.

The principal weed beds are located at the head and foot of the lake and extend into the river at the foot. Few weeds grow along the greater part of the shoreline because of the hard bottom and the action of winds which have an unobstructed sweep of the length of the lake.

(Schroon Lake) has a rather irregular shoreline which provides several large bays, some of which support considerable weed areas. The most extensive weed areas were found in the narrow bay at the south end and in the mouth of the Schroon River. Another weed area was found at the north end west of the Schroon River"

The water quality data showed much higher water transparency than in any of the monitoring programs conducted 40 to 60 years later. Dissolved oxygen levels were very high even at the lake bottom in 130 feet of water.

None of the major tributaries to the lake (Mill Brook, Sucker Brook, Spectacle Brook, Rogers Brook, and the Schroon River) have been sampled through the state Rotating Intensive Basins (RIBS) stream monitoring program. However, Mill Brook at Adirondack and the Schroon River at Schroon Falls were sample as part of the state stream biomonitoring program in 2001. The summary of those sampling results is as follows, as appearing in the <u>30 Year Trends in Water Quality of Rivers and Streams in New York State (1972-2002):</u>

"(Mill Brook) This small tributary of Schroon Lake was sampled at Adirondack in 2001, and was assessed as non-impacted. Two metrics were within the range of slight impact, and the headwater correction factor was applied to these. The stream habitat of boulders was not conducive to a diverse fauna.

(Schroon River) The upstream site at Schroon Falls was assessed as slightly impacted in 2001. Although the fauna contained many clean-water mayflies, stoneflies, and caddisflies, species richness was low, possibly due to the substrate of boulders embedded in sand. A similarly reduced fauna was found at the downstream Warrensburg site. Previous sampling assessed the Schroon Falls site as non-impacted in 1994. The Warrensburg site was assessed as non-impacted in 1994, slightly impacted in 1993, and non-impacted in 1987 and 1988. Further sampling of these sites is recommended to determine if the decline is genuine."

Lake Association and Management History

Schroon Lake is served by the Schroon Lake Association and the East Shore Schroon Lake Association. The former was founded in 1911, the latter in 1964, and these associations collectively oversee much of the management of the lake. This includes:

- Hiring a lake manager to evaluate water quality data, conduct milfoil hand harvesting and matting, and recommending other management actions
- Development of a lake management master plan
- Conducting association and outreach educational efforts
- Conducting Scientific studies
- Supporting management activities through donations and SLA arts and crafts show
- Coordinating volunteer weed watchers through the APIPP program
- Developing a volunteer Milfoil Scout Program

The Schroon Lake Association maintains a website at www.schroonlakeassociation.com. The East Shore Schroon Lake Association maintains a website at www.essla.org.

Summary of 2014 CSLAP Sampling Results

Evaluation of 2014 Annual and Monthly Results Relative to 1987-2014

The summer (mid-June through mid-September) average readings are compared to historical averages for all CSLAP sampling seasons in the "Lake Condition Summary" table, and are compared to individual historical CSLAP sampling seasons in the "Long Term Data Plots – Schroon Lake" section in Appendix C.

Evaluation of Eutrophication Indicators

No south basin samples were collected in 2014. Chlorophyll *a* samples (algae filters) were not submitted from the north basin in 2012 or 2013, and only one sample was submitted in 2014. Water clarity readings were slightly lower than usual in 2014, despite phosphorus readings that were close to normal. However, phosphorus levels have been slightly higher since the mid-2000s, although nearly all readings continue to be low.

Lake productivity is fairly stable (or varies unpredictably) over the course of the typical summer in both basins, although there is sometimes a slight increase in algae levels from June through August. Water clarity rose slightly from June through September in 2014, despite the lack of any similar changes in nutrients or algae levels.

The lake continues to be characterized as *mesoligotrophic* at both sites, based on water clarity (typical of *mesotrophic* lakes), total phosphorus readings (typical of *oligotrophic* lakes) and chlorophyll *a* readings (typical of *mesotrophic* lakes in the north basin and *oligotrophic* lakes in the south basin). The trophic state indices (TSI) evaluation suggests that phosphorus levels are lower than expected (given the algae and water clarity readings) in the lake. This suggests that small changes in phosphorus readings may trigger larger changes in algae levels or water clarity. Overall trophic conditions are summarized on the Lake Scorecards.

Lake productivity appears to be slightly higher in the north basin than in the south basin, based on typically higher chlorophyll *a* readings measured in the north basin, although the difference in the water quality conditions in these basins is not significant. Overall trophic conditions are summarized on the Lake Scorecard and Lake Condition Summary Table.

Evaluation of Potable Water Indicators

Algae levels are usually not high enough to render the lake susceptible to taste and odor compounds or elevated DBP (disinfection by product) compounds that could affect the potability of the water. Hypolimnetic phosphorus and ammonia readings in Schroon Lake are usually similar to those measured at the lake surface, although deepwater phosphorus was higher in 2014, probably due to sampling results that were not representative of deepwater conditions in the lake.

Deepwater iron, manganese and arsenic levels appear to be low in the north basin, but higher iron readings were apparent at times in the south basin—none of these indicators have been measured thorough CSLAP in recent years. This suggests that deepwater intakes may support potable water use in the north basin, and would probably support this use in the south basin. Potable water conditions, at least as measurable through CSLAP, are summarized in the Lake Scorecard and Lake Condition Summary Table.

Evaluation of Limnological Indicators

Conductivity readings were lower than normal in 2014. Color readings have been higher since 2002, but this is probably due to the laboratory change and has not resulted in any change in water clarity (and therefore may not be a "real" change). It is likely that most of the small changes in the other limnological indicators (NOx, NH4, TN, pH, and calcium) represent normal variability. Limnological conditions were mostly comparable in both basins. Overall limnological conditions are summarized in the Lake Scorecard and Lake Condition Summary Table.

Evaluation of Biological Condition

Macrophyte communities in the lake have been evaluated by the Darrin Freshwater Institute. These plant surveys found a high plant diversity, with at least 20 plant species, including two protected plant species (*Myriophyllum alterniflorum*, alternate flower watermilfoil, and *Potamogeton alpinus*, northern pondweed) and one invasive exotic plant species (*Myriophyllum spicatum*, Eurasian watermilfoil). The modified floristic quality index (FQI) indicates the quality of the aquatic plant community is "excellent."

The fish community in the lake is comprised of a mix of coldwater (at least two species), coolwater (at least five species) and warmwater (at least five species) fish. This indicates that the lake supports a two story fishery.

Zooplankton and macroinvertebrate surveys have not been conducted through CSLAP at Schroon Lake, although historical data from previous studies may be included in future generations of the CSLAP reports. The fluoroprobe screening samples analyzed by SUNY ESF in the last few years indicated low overall algae levels and low percentages of blue green algae. The algae community is comprised of a mix of green algae, diatoms, and other algae species. No shoreline blooms have been reported or sampled at either site, at least in recent years.

Biological conditions in the lake are summarized in the Lake Scorecard and Lake Condition Summary Table.

Evaluation of Lake Perception

Recreational conditions in the north basin of Schroon Lake were slightly more favorable than normal, although recreational assessments are usually favorable. Water quality assessments were close to normal in 2014, consistent with water conditions that were also close to normal. It is not known if plant coverage in 2014 was higher or lower than normal.

Recreational and water quality assessments are fairly stable during the typical summer in both basins, and this was also apparent in 2014. Overall lake perception is summarized on the Lake Scorecard and Lake Condition Summary Table. Lake perception was comparable at both sampling sites.

Evaluation of Local Climate Change

Water temperatures in the summer index period were slightly higher than normal, but temperature readings have not exhibited any long-term change. It is not likely that any of the small changes in water temperature readings are indicative of local climate change in the lake.

Evaluation of Algal Toxins

Algal toxin levels can vary significantly within blooms and from shoreline to lake, and the absence of toxins in a sample does not indicate safe swimming conditions. Phycocyanin readings have been well below the levels indicating a susceptibility for harmful algal blooms (HABs) in the open water and within shoreline blooms in both basins. This is consistent with the fluoroprobe screening results from the last few years indicating low levels of blue green algae in nearly all samples. An analysis of algae samples indicate microcystin and anatoxin readings below the levels needed to support safe swimming and potable water use in both basins. Nearly all samples from the open water, including those from 2014, find undetectable toxin levels, and shoreline blue green algae blooms have not been reported.

Lake Condition Summary-North Basin

Category	Indicator	Min	Overall Avg	Max	2014 Avg	Classification	2014 Change?	Long-term Change?
Eutrophication	Water Clarity	2.25	4.00	10.00	3.51	Mesotrophic	Within Normal Range	No Change
Indicators	Chlorophyll a	0.05	2.97	12.40	3.20	Mesotrophic	Within Normal Range	Decreasing Slightly
	Total Phosphorus	0.001	0.008	0.024	0.006	Oligotrophic	Within Normal Range	Increasing Slightly
Potable Water Indicators	Hypolimnetic Ammonia	0.01	0.03	0.11	0.03	Close to Surface NH4 Readings	Within Normal Range	Not known
	Hypolimnetic Arsenic	0.34	1.32	4.00		Elevated Deepwater As	Higher than Normal	Not known
	Hypolimnetic Iron	0.01	0.70	3.01		Elevated Deepwater Fe	Higher than Normal	Not known
	Hypolimnetic Manganese	0.01	0.11	0.28		Low Manganese Levels	Higher than Normal	Not known
Limnological Indicators	Hypolimnetic Phosphorus	0.000	0.020	0.374	0.097	Close to Surface TP Readings	Higher than Normal	Not known
	Nitrate + Nitrite	0.00	0.04	0.30	0.03	Low NOx	Within Normal Range	No Change
	Ammonia	0.00	0.03	0.20	0.02	Low Ammonia	Within Normal Range	No Change
	Total Nitrogen	0.07	0.31	1.34	0.30	Low Total Nitrogen	Within Normal Range	No Change
	рН	6.19	7.46	9.07	7.38	Circumneutral	Within Normal Range	No Change
	Specific Conductance	18	68	104	56	Softwater	Lower Than Normal	No Change
	True Color	3	19	52	18	Intermediate Color	Within Normal Range	Increasing Slightly
	Calcium	2.9	6.1	11.6	5.2	Not Susceptible to Zebra Mussels	Within Normal Range	No Change
Lake	WQ Assessment	1	1.3	3	1.0	Crystal Clear	Within Normal Range	No Change
Perception	Aquatic Plant Coverage	1	1.2	2	1.0	Plants Not Visible	Within Normal Range	No Change
	Recreational Assessment	1	1.7	5	1.0	Excellent	More Favorable Than Normal	No Change
Biological Condition	Phytoplankton					Open water-low blue green algae biomass	Not known	Not known
	Macrophytes					Excellent quality of aquatic plant community	Not known	Not known
	Zooplankton					Not evaluated through CSLAP	Not known	Not known
	Macroinvertebrates					Not evaluated through CSLAP	Not known	Not known
	Fish					Two story fishery	Not known	Not known
	Invasive Species					rudd, bluntnose minnow, chain pickerel, fallfish, gizzard shad, northern pike, rainbow smelt, smallmouth bass, Eurasian watermilfoil, curly-leafed pondweed	Not known	Not known
Local Climate	Air Temperature	10	22.2	38	23.6		Within Normal Range	No Change
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Category	Indicator	Min	Overall Avg	Max	2013 Avg	Classification	2013 Change?	Long-term Change?
Harmful Algal Blooms	Open Water Phycocyanin	-1	9	61	4	No readings indicate high risk of BGA	Not known	Not known
	Open Water FP Chl.a	0	2	14	1	Few readings indicate high algae levels	Not known	Not known
	Open Water FP BG Chl.a	0	1	11	0	Few readings indicate high BGA levels	Not known	Not known
	Open Water Microcystis	<dl< td=""><td>0.2</td><td>0.5</td><td><0.30</td><td>Mostly undetectable open water MC-LR</td><td>Not known</td><td>Not known</td></dl<>	0.2	0.5	<0.30	Mostly undetectable open water MC-LR	Not known	Not known
	Open Water Anatoxin a	<dl< td=""><td><dl< td=""><td><dl< td=""><td><dl< td=""><td>Open water Anatoxin-a consistently not detectable</td><td>Not known</td><td>Not known</td></dl<></td></dl<></td></dl<></td></dl<>	<dl< td=""><td><dl< td=""><td><dl< td=""><td>Open water Anatoxin-a consistently not detectable</td><td>Not known</td><td>Not known</td></dl<></td></dl<></td></dl<>	<dl< td=""><td><dl< td=""><td>Open water Anatoxin-a consistently not detectable</td><td>Not known</td><td>Not known</td></dl<></td></dl<>	<dl< td=""><td>Open water Anatoxin-a consistently not detectable</td><td>Not known</td><td>Not known</td></dl<>	Open water Anatoxin-a consistently not detectable	Not known	Not known
	Shoreline Phycocyanin					No shoreline blooms sampled for PC	Not known	Not known
	Shoreline FP Chl.a					No shoreline blooms sampled for FP	Not known	Not known
	Shoreline FP BG Chl.a					No shoreline blooms sampled for FP	Not known	Not known
	Shoreline Microcystis					No shoreline bloom MC-LR data	Not known	Not known
	Shoreline Anatoxin a	<dl< td=""><td><dl< td=""><td><dl< td=""><td><dl< td=""><td>Shoreline bloom Anatoxin- a consistently not detectable</td><td>Not known</td><td>Not known</td></dl<></td></dl<></td></dl<></td></dl<>	<dl< td=""><td><dl< td=""><td><dl< td=""><td>Shoreline bloom Anatoxin- a consistently not detectable</td><td>Not known</td><td>Not known</td></dl<></td></dl<></td></dl<>	<dl< td=""><td><dl< td=""><td>Shoreline bloom Anatoxin- a consistently not detectable</td><td>Not known</td><td>Not known</td></dl<></td></dl<>	<dl< td=""><td>Shoreline bloom Anatoxin- a consistently not detectable</td><td>Not known</td><td>Not known</td></dl<>	Shoreline bloom Anatoxin- a consistently not detectable	Not known	Not known

Lake Condition Summary-South Basin

Category	Indicator	Min	87-13 Avg	Max	2013 Avg	Classification	2013 Change?	Long-term Change?
Eutrophication	Water Clarity	2.30	4.16	9.00	3.48	Mesotrophic	Within Normal Range	No Change
Indicators	Chlorophyll a	0.05	1.47	6.50	2.60	Oligotrophic	Higher than Normal	No Change
	Total Phosphorus	0.003	0.009	0.026	0.007	Oligotrophic	Within Normal Range	No Change
Potable Water Indicators	Hypolimnetic Ammonia	0.00	0.06	0.67	0.02	Close to Surface NH4 Readings	Lower Than Normal	Not known
	Hypolimnetic Arsenic	0.34	0.68	1.00		Low Deepwater Arsenic Levels	Higher than Normal	Not known
	Hypolimnetic Iron	0.01	1.17	5.32		Highly Elevated Deepwater Fe	Higher than Normal	Not known
	Hypolimnetic Manganese	0.01	0.13	0.68		Low Manganese Levels	Higher than Normal	Not known
Limnological Indicators	Hypolimnetic Phosphorus	0.002	0.010	0.059	0.006	Close to Surface TP Readings	Lower Than Normal	Not known
	Nitrate + Nitrite	0.00	0.04	0.17	0.01	Low NOx	Lower Than Normal	No Change
	Ammonia	0.00	0.03	0.14	0.01	Low Ammonia	Lower Than Normal	No Change
	Total Nitrogen	0.09	0.28	1.04	0.28	Low Total Nitrogen	Within Normal Range	Increasing Significantly
	рН	6.25	7.51	8.77	8.01	Alkaline	Higher than Normal	Increasing Significantly
	Specific Conductance	30	68	96	52	Softwater	Lower Than Normal	No Change
	True Color	6	21	50	24	Intermediate Color	Within Normal Range	No Change
	Calcium	4.2	6.0	8.4		Not Susceptible to Zebra Mussels		No Change
Lake Perception	WQ Assessment	1	1.5	3	2.0	Crystal Clear	Less Favorable than Normal	No Change
	Aquatic Plant Coverage	1	1.7	3	2.7	Subsurface Plant Growth	More Significant than Normal	Slightly Increasing
	Recreational Assessment	1	1.7	4	2.0	Excellent	Within Normal Range	No Change
Biological Condition	Phytoplankton					Open water-low blue green algae biomass	Not known	Not known
	Macrophytes					Excellent quality of aquatic plant community	Not known	Not known
	Zooplankton					Not evaluated through CSLAP	Not known	Not known
	Macroinvertebrates					Not evaluated through CSLAP	Not known	Not known
	Fish					Two story fishery	Not known	Not known
	Invasive Species					rudd, bluntnose minnow, chain pickerel, fallfish, gizzard shad, northern pike, rainbow smelt, smallmouth bass, Eurasian watermilfoil, curly-leafed pondweed	Not known	Not known
Local Climate	Air Temperature	6	21.2	37	24.5		Within Normal Range	No Change
Change	Water Temperature	12	20.5	29	19.7		Within Normal Range	No Change

Category	Indicator	Min	87-13	Max	2013	Classification	2013 Change?	Long-term
			Avg		Avg			Change?
Harmful Algal Blooms	Open Water Phycocyanin	0	12	57	4	No readings indicate high risk of BGA	Not known	Not known
	Open Water FP Chl.a	1	2	3	2	No readings indicate high algae levels	Not known	Not known
	Open Water FP BG Chl.a	0	1	2	0	No readings indicate high BGA levels	Not known	Not known
	Open Water Microcystis	<dl< td=""><td>0.1</td><td>0.0</td><td><0.30</td><td>Mostly undetectable open water MC-LR</td><td>Not known</td><td>Not known</td></dl<>	0.1	0.0	<0.30	Mostly undetectable open water MC-LR	Not known	Not known
	Open Water Anatoxin a	<dl< td=""><td><dl< td=""><td><dl< td=""><td><dl< td=""><td>Open water Anatoxin-a not detectable</td><td>Not known</td><td>Not known</td></dl<></td></dl<></td></dl<></td></dl<>	<dl< td=""><td><dl< td=""><td><dl< td=""><td>Open water Anatoxin-a not detectable</td><td>Not known</td><td>Not known</td></dl<></td></dl<></td></dl<>	<dl< td=""><td><dl< td=""><td>Open water Anatoxin-a not detectable</td><td>Not known</td><td>Not known</td></dl<></td></dl<>	<dl< td=""><td>Open water Anatoxin-a not detectable</td><td>Not known</td><td>Not known</td></dl<>	Open water Anatoxin-a not detectable	Not known	Not known
	Shoreline Phycocyanin					No shoreline blooms sampled for PC	Not known	Not known
	Shoreline FP Chl.a					No shoreline blooms sampled for FP	Not known	Not known
	Shoreline FP BG Chl.a					No shoreline blooms sampled for FP	Not known	Not known
	Shoreline Microcystis					No shoreline bloom MC- LR data	Not known	Not known
	Shoreline Anatoxin a					No shoreline bloom anatoxin data	Not known	Not known

Evaluation of Lake Condition Impacts to Lake Uses

The 2006 NYSDEC Priority Waterbody Listings (PWL) for the Upper Hudson River drainage basin indicated that *fish consumption* is *impaired* in Schroon Lake due to PCBs and mercury. The PWL listing for Schroon Lake is shown in Appendix B.

Potable Water (Drinking Water)

The CSLAP dataset at Schroon Lake, including water chemistry data, physical measurements, and volunteer samplers' perception data, is inadequate to evaluate the use of the lake for potable water. The limited data related to algae levels indicate that the lake may presently support potable water usage, although deepwater intakes in both basins may be *threatened* by elevated iron levels.

Contact Recreation (Swimming)

The CSLAP dataset at Schroon Lake, including water chemistry data, physical measurements, and volunteer samplers' perception data, suggests that swimming and contact recreation should be fully supported. Additional information about bacterial levels is needed to evaluate the safety of the water for swimming.

Non-Contact Recreation (Boating and Fishing)

The CSLAP dataset on Schroon Lake, including water chemistry data, physical measurements, and volunteer samplers' perception data, suggest that non-contact recreation should be fully supported, although this use may ultimately be *threatened* by the presence of Eurasian watermilfoil and invasive plants.

Aquatic Life

The CSLAP dataset on Schroon Lake, including water chemistry data, physical measurements, and volunteer samplers' perception data, suggest that aquatic life may be *threatened* by deepwater hypoxia in the south basin, and by the presence of exotic plants and fish. Additional data are needed to evaluate the food and habitat conditions for aquatic organisms in the lake.

Aesthetics

The CSLAP dataset on Schroon Lake, including water chemistry data, physical measurements, and volunteer samplers' perception data, suggest that aesthetics should be fully supported, although this use may be *threatened* by invasive species.

Fish Consumption

There are several fish consumption advisories for Schroon Lake—the NYS Department of Health recommends no more than one meal per month for lake trout greater than 27" in length, yellow perch greater than 13 inches in length, or smallmouth bass of any size.

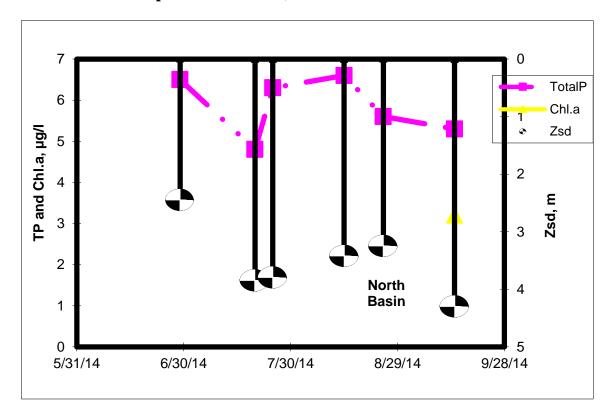
Additional Comments and Recommendations

Additional information might be needed to determine if the Eurasian watermilfoil populations in the lake have significantly affected the biological integrity of the lake. Lake residents should report and avoid exposure to any surface scums or heavily discolored water associated with shoreline blue green algae blooms.

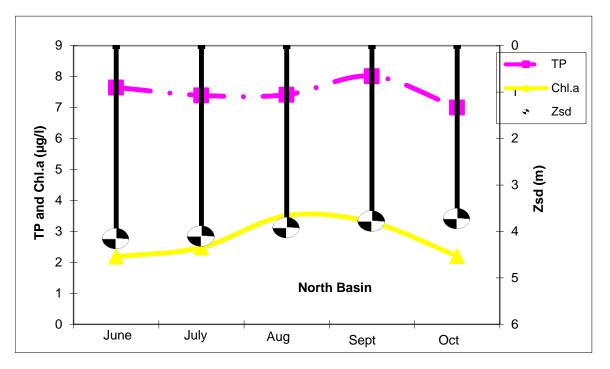
Aquatic Plant IDs-2014

None submitted for identification in 2014.

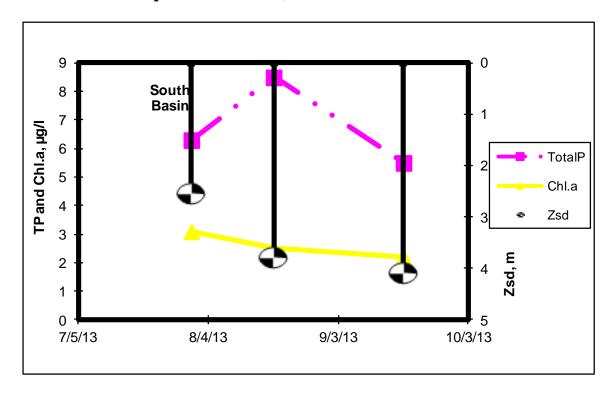
Time Series: Trophic Indicators, 2014- North Basin



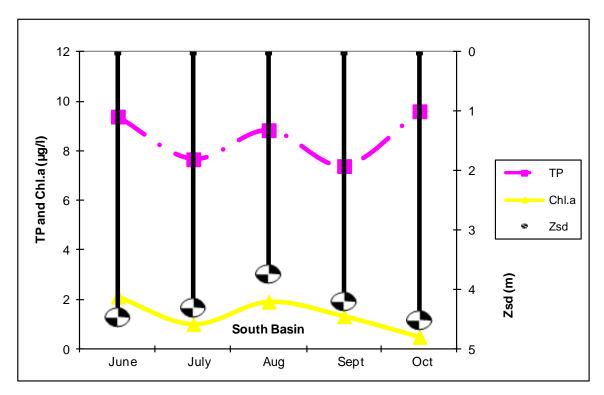
Time Series: Trophic Indicators, Typical Year (1987-2014)-North Basin



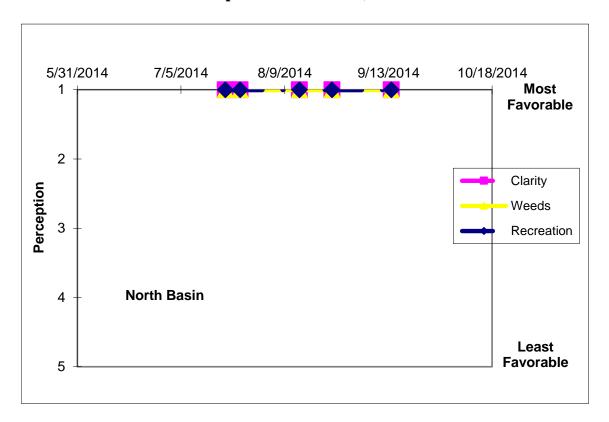
Time Series: Trophic Indicators, 2013- South Basin



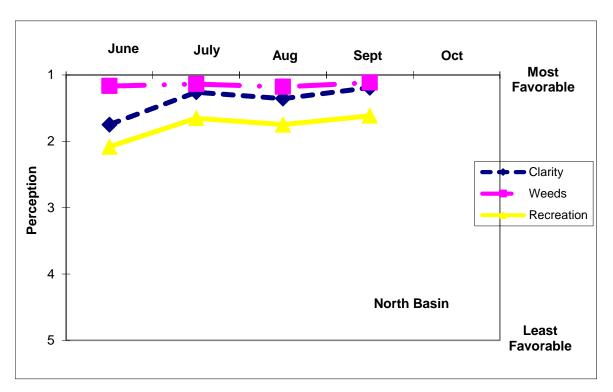
Time Series: Trophic Indicators, Typical Year (1987-2013)- South Basin



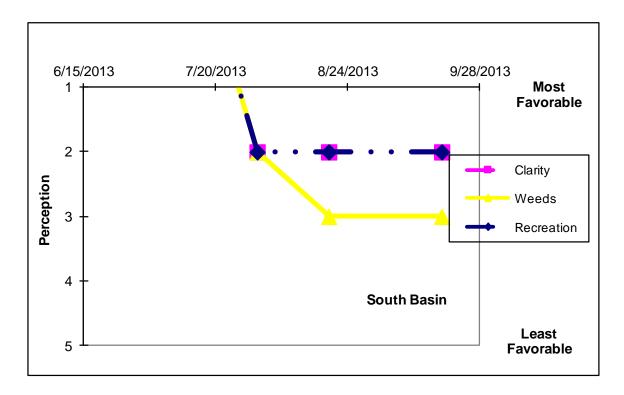
Time Series: Lake Perception Indicators, 2014-North Basin



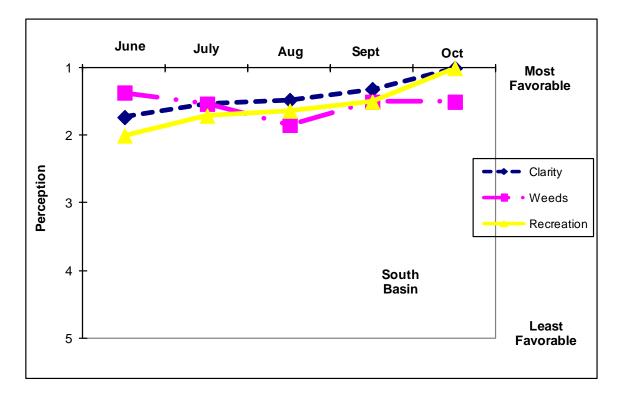
Time Series: Lake Perception Indicators, Typical Year (1987-2014)-North Basin



Time Series: Lake Perception Indicators, 2013-South Basin



Time Series: Lake Perception Indicators, Typical Year (2003-2013)-South Basin



Appendix A- CSLAP Water Quality Sampling Results for Schroon Lake

34 Schroon L-N 6/23/1987 2.0 1.5 0.005 0.14 16 7.33 34 Schroon L-N 7/1/1987 20.0 3.00 1.5 0.006 0.15 16 7.58 34 Schroon L-N 7/8/1987 21.0 4.00 1.5 0.006 0.12 14 7.09 34 Schroon L-N 7/13/1987 21.0 3.00 1.5 0.005 0.10 16 6.91 34 Schroon L-N 7/21/1987 20.0 4.00 1.5 0.001 0.09 16 7.23 34 Schroon L-N 7/27/1987 20.0 4.00 1.5 0.009 0.06 15 7.51	nd25 Ca 62 60 60 61	Chl.a 4.70 5.80 4.40
34 Schroon L-N 7/1/1987 20.0 3.00 1.5 0.006 0.15 16 7.58 34 Schroon L-N 7/8/1987 21.0 4.00 1.5 0.006 0.12 14 7.09 34 Schroon L-N 7/13/1987 21.0 3.00 1.5 0.005 0.10 16 6.91 34 Schroon L-N 7/21/1987 20.0 4.00 1.5 0.001 0.09 16 7.23 34 Schroon L-N 7/27/1987 20.0 4.00 1.5 0.009 0.06 15 7.51	60 60	5.80
34 Schroon L-N 7/8/1987 21.0 4.00 1.5 0.006 0.12 14 7.09 34 Schroon L-N 7/13/1987 21.0 3.00 1.5 0.005 0.10 16 6.91 34 Schroon L-N 7/21/1987 20.0 4.00 1.5 0.001 0.09 16 7.23 34 Schroon L-N 7/27/1987 20.0 4.00 1.5 0.009 0.06 15 7.51	60	_
34 Schroon L-N 7/13/1987 21.0 3.00 1.5 0.005 0.10 16 6.91 34 Schroon L-N 7/21/1987 20.0 4.00 1.5 0.001 0.09 16 7.23 34 Schroon L-N 7/27/1987 20.0 4.00 1.5 0.009 0.06 15 7.51		
34 Schroon L-N 7/21/1987 20.0 4.00 1.5 0.001 0.09 16 7.23 34 Schroon L-N 7/27/1987 20.0 4.00 1.5 0.009 0.06 15 7.51		4.00
34 Schroon L-N 7/27/1987 20.0 4.00 1.5 0.009 0.06 15 7.51	62	7.60
24 Cabraga I NI 0/4/4007 00 0 4 00 4 5 0 005 0 00	62	5.60
34 Schroon L-N 8/4/1987 20.0 4.00 1.5 0.005 0.06 17 7.87	64	6.20
34 Schroon L-N 8/7/1987 45.0 4.15 1.5 0.009 0.03 11 7.02	63	8.70
	64	6.10
	64	4.70
	66	10.10
	62	
	71	9.70
	69	5.30
	68	3.50
	80	3.63
	76 70	2.15
	65	2.15
	70	2.15
	72	3.77
	71	3.03
	64	2.64
	64	2.55
	64	2.11
34 Schroon L-N 7/31/1989 18.3 4.85 1.5 0.005 0.03 12 7.58	71	4.31
	69	4.23
34 Schroon L-N 8/29/1989 18.3 3.10 1.5 0.004 0.01 10 7.58	70	4.03
34 Schroon L-N 9/11/1989 25.0 3.55 1.5 0.007 0.01 9 7.44	71	3.70
	67	4.33
	62	4.12
	65	3.69
	70	0.69
	64	7.29
	64	2.56
	67	8.00
	66	2.81
	66	2.17
	88 69	1.89 3.67
	69 69	4.42
	69	4.20
	69	3.11
	68	3.48
	69	3.03
	72	2.50
	73	0.95
	73	2.68
	77	
34 Schroon L-N 7/23/2002 43.6 3.30 2.0 0.005 0.04 0.07 0.34 64.37 19 7.29	81	3.37
	86	1.79
	87	2.37
	82	3.03
	86	3.47
	82 6.2	
	84	1.15
	88	2.63
	84	4.61
	81 6.9	
	84	0.87
	88	2.36
	81	0.46
34 Schroon L-N 6/11/2004 6.75 0.011 0.07 0.02 0.19 17.30 22 6.32	79	2.36

34 Schroon LN 672/2004 442 1000 1.0 1000 1.0 1001 1013 108,66 19 6.29 81 1 3.92 34 Schroon LN 772/2004 44.5 4.39 1 0.006 0.13 0.08 1.11 766 17 6.32 59 1.00 34 Schroon LN 874/2004 44.5 4.39 1 0.004 0.02 0.02 1.44 31.07 1.4 7.40 83 0.00 34 Schroon LN 874/2004 44.5 4.39 1 0.003 0.02 0.03 0.31 0.029 17 8.29 91 9.1 3.90 34 Schroon LN 874/2004 48.3 34.0 1.0 0.009 0.01 0.01 0.03 3.55 0.0 12 7.17 7.4 3.90 34 Schroon LN 874/2004 48.3 34.0 1.0 0.009 0.01 0.01 0.01 3.01	LNum	PName	Date	Zbot	Zsd	Zsamp	Tot.P	NO3	NH4	TDN	TN/TP	TColor	рН	Cond25	Ca	Chl.a
348 Schroon LN 77/2004 44.5 43.9 40.0 1.0 0.006 0.13 0.08 1.11 176.65 17 63.2 599 1.00 348 Schroon LN 84/2004 44.5 43.9 1.0 0.003 0.01 0.01 0.01 0.11 1.07 14 7.40 83 0.06 349 Schroon LN 84/2004 44.5 43.6 1.0 0.003 0.01 0.01 0.03 1.02 98 17 8.29 91 9.1 3.70 349 Schroon LN 94/2004 44.8 43.0 1.0 0.003 0.01 0.01 0.03 3.65 12 7.17 74 3.30 349 Schroon LN 94/2004 44.8 43.0 1.0 0.009 0.01 0.01 0.03 3.65 4.71 2.22 7.48 51 2.21 349 Schroon LN 75/2005 44.8 22.5 1.0 0.009 0.01 0.03 0.01 1.31 3.21 35 7.50 60 5.1 4.17 349 Schroon LN 75/2005 44.8 2.55 1.0 0.009 0.03 0.03 1.01 3.21 35 7.50 60 5.1 4.17 341 Schroon LN 75/2005 44.8 2.55 1.0 0.015 0.009 0.03 0.03 0.01 3.03													_			
34 Schroon LN 7/21/2004 44.5 4.38																
34 Schroon LN 84/2004 44.5 4.05 1.0 0.003 0.01 0.01 0.03 5.05 12 7.17 74 3.30 34 Schroon LN 94/2004 44.8 34.0 1.0 0.009 0.01 0.01 0.34 36.74 7.02 61 2.30 34 Schroon LN 94/2004 44.8 43.0 1.0 0.009 0.01 0.01 0.34 36.74 7.02 61 2.30 34 Schroon LN 94/2004 44.8 2.54 1.0 0.009 0.03 0.03 0.01 1.12 22 7.48 51 2.10 34 Schroon LN 75/2005 44.8 2.55 1.0 0.009 0.03 0.03 0.01 3.13 3.21 35 7.50 60 5.1 4.17 34 Schroon LN 75/2005 44.8 2.55 1.0 0.009 0.03 0.03 0.01 3.13 3.21 35 7.50 60 5.1 4.17 34 Schroon LN 75/2005 44.0 2.85 1.0 0.009 0.03 0.01 0.05 6.03 6.03 7.00 8.1 1.0 34 Schroon LN 87/2005 44.0 2.85 1.0 0.015 0.03 0.01 0.05 6.03 7.00 8.3 7.00 8.3 7.00 8.3 35 Schroon LN 87/2005 44.0 2.85 1.0 0.015 0.03 0.01 0.05 6.03 8.0 7.00 8.0 8.0 4.0 8.0 8.0 4.0 4.0 8.0 4.0						1.0										
34 Schroon LN Bila2004 43.3 3.85 1.0 0.003 0.01 0.01 0.39 155.96 12 7.71 7.4 3.90 34 Schroon LN Bila2004 43.8 3.40 1.0 0.009 0.02 0.03 0.38 41.12 22 7.48 51 2.10 34 Schroon LN Bila2005 46.0 2.80 1.0 0.008 0.01 0.08 0.13 13.21 35 7.50 60 51.417 34 Schroon LN Pila2005 44.8 3.10 1.0 0.008 0.03 0.03 0.30 32.46 33 8.20 88 1.1.49 34 Schroon LN Pila2005 44.8 3.01 1.0 0.008 0.03 0.04 0.07 12.20 18 7.70 7.0 4.11 34 Schroon LN Pila2005 44.8 3.01 1.0 0.008 0.03 0.04 0.07 12.20 18 7.70 7.0 4.11 34 Schroon LN Bila2005 44.2 2.65 1.0 0.011 0.03 0.01 0.35 9.63 7.02 83 5.51 34 Schroon LN Bila2005 44.2 2.65 1.0 0.015 0.008 0.03 0.04 0.01 1.72 1.72 1.72 1.70 1.70 1.70 1.71 34 Schroon LN Bila2005 44.2 2.65 1.0 0.015 0.008 0.008 0.00 0.00 1.00 1.00 1.00 1.						1.0									9.1	
34 Schroon LN 91/2004 438 3,40 1.0 0.009 0.01 0.01 0.34 36.74 7.02 61 2.30 34 Schroon LN 91/42005 48.0 2.80 1.0 0.009 0.00 0.03 0.03 4.112 22 7.48 51 2.10 34 Schroon LN 75/2005 44.0 2.80 1.0 0.009 0.01 0.08 0.13 13.21 35 7.50 60 5.11 4.17 34 Schroon LN 17/30/2005 44.0 2.80 1.0 0.009 0.03 0.03 0.03 2.24 6 33 8.20 88 1.49 34 Schroon LN 17/30/2005 44.0 2.85 1.0 0.001 0.03 0.01 0.35 2.46 13.8 2.0 88 1.49 34 Schroon LN 18/2005 44.0 2.85 1.0 0.001 0.03 0.01 0.35 9.63 7.02 83 6.51 34 Schroon LN 18/2005 44.0 2.85 1.0 0.011 0.03 0.01 0.35 9.63 7.02 83 6.51 34 Schroon LN 18/2005 44.0 2.85 1.0 0.015 0.001 0.015 0.34 12.17 35 6.76 72 2.9 2.84 34 Schroon LN 18/2005 45.1 4.35 1.0 0.011 0.013 0.03 0.01 0.23 612 2.56 6.94 81 1.93 34 Schroon LN 18/2005 45.1 4.35 1.0 0.018 0.02 0.20 0.27 15.22 3 7.725 1.40 1.57 34 Schroon LN 18/2005 45.1 4.55 1.0 0.018 0.02 0.20 0.27 15.22 3 7.725 1.40 1.57 34 Schroon LN 18/2005 45.1 4.55 1.0 0.018 0.02 0.20 0.27 15.22 3 7.55 4.0 5.8 0.39 34 Schroon LN 18/2005 44.2 2.50 1.0 0.014 0.014 0.01 0.05 0.01 0.25 19.52 22 7.53 40 5.8 0.29 34 Schroon LN 18/2006 44.2 2.50 1.0 0.012 0.03 0.01 0.25 19.52 22 7.53 40 5.8 0.29 34 Schroon LN 18/2006 44.2 2.50 1.0 0.012 0.03 0.01 0.25 19.52 22 7.53 40 5.8 0.29 34 Schroon LN 18/2006 44.2 2.50 1.0 0.012 0.03 0.01 0.05 1.52 19.52 22 7.53 40 5.8 0.25 35 Schroon LN 18/2006 44.2 2.50 1.0 0.012 0.03 0.01 0.05 1.52 19.52 22 7.53 40 5.8 0.25 36 Schroon LN 18/2006 44.2 2.55 1.0 0.001 0.010 0.01 0.02 0.57 45.85 5 7.36 55 2.76 36 Schroon LN 18/2006 44.2 2.55 1.0 0.001 0.001 0.00 0.00 0.57 45.85 3 7.36 55 2.76 36 Schroon LN 18/2006 44.2 2.55 1.0 0.001 0.001 0.00 0.00 0.57 45.85 3 7.36 55 2.76 36 Schroon LN 18/2006 44.2 2.55 1.0 0.001 0.00 0.00 0.00 0.00 0.00 0																
34 Schroon L.N 91/4/2004 43.3 4.10 1.0 0.009 0.02 0.35 0.38 41.12 22 7.48 51 2.10 34 Schroon L.N 71/2005 44.8 2.25 1.0 0.009 0.03 0.35 0.30 32.46 33 8.20 88 1.49 34 Schroon L.N 71/2005 44.8 2.25 1.0 0.009 0.03 0.03 0.03 0.32 32.46 33 8.20 88 1.49 34 Schroon L.N 81/2005 44.8 2.65 1.0 0.016 0.03 0.01 0.35 9.63 7.02 83 5.51 34 Schroon L.N 81/2005 44.2 2.65 1.0 0.015 0.03 0.01 0.25 6.12 2.5 6.94 81 2.25 2.94 34 Schroon L.N 91/2005 54.0 3.01 0.001 0.01 0.01 0.01 0.01 0.03 6.10 0.01 0.		Schroon L-N									36.74					
34 Schroon L.N 52/12/2006 44.9 2.5 1.0 0.009 0.03 0.03 0.03 0.3 3.6 0.3 3.8 2.0 88 1.49												22				
34 Schroon LN 19/2005 448 3.0 1.0 0.008 0.03 0.03 0.30 32.46 33 8.20 88 1.49 34 Schroon LN 8/12/2005 449 2.85 1.0 0.011 0.03 0.01 0.35 9.63 7.02 83 5.51 34 Schroon LN 8/12/2005 442 2.65 1.0 0.015 0.013 0.03 0.01 1.21 7.05 6.76 72 2.92 2.84 34 Schroon LN 8/12/2005 44.2 2.65 1.0 0.015 0.013 0.03 0.01 0.23 6.12 2.5 6.94 81 2.26 34 Schroon LN 8/12/2005 45.0 3.01 0.0010 0.01 0.01 0.01 0.03 0.01 0.03 0.01 34 Schroon LN 8/12/2005 45.0 3.01 0.0010 0.01 0.	34	Schroon L-N	6/21/2005		2.80	1.0	0.008	0.01	0.08	0.13	13.21	35	7.50	60	5.1	4.17
34 Schroon L-N 8/2/2005 44.2 25 1.0 0.011 0.03 0.01 0.35 9.63 7.02 83 5.57 34 34 Schroon L-N 8/30/2005 44.2 25 1.0 0.015 0.03 0.01 0.23 6.12 25 6.94 81 2.25 2.34 Schroon L-N 8/30/2005 45.0 3.03 1.0 0.010 0.01 0.01 6.01 6.50 1.4 7.40 83 1.99 34 Schroon L-N 8/30/2005 4.61 4.55 1.0 0.018 0.02 0.20 0.27 15.22 3 7.25 104 1.63 3.04	34		7/5/2005	44.8	2.25	1.0	0.009	0.03	0.03	0.30	32.46	33	8.20	88		1.49
34 Schroon LN 81/62/005 44.2 265 1.0 0.015 0.034 12.17 35 6.76 72 2.9 2.84 34 Schroon LN 81/32/005 45.0 3.0 1.0 0.010 0.01 0.01 0.18 5.30 14 7.40 83 7.93 34 Schroon LN 61/62/006 44.18 2.75 1.5 0.013 0.10 0.01 0.18 5.30 14 7.40 83 7.25 1.04 1.67 34 Schroon LN 61/62/006 44.18 2.75 1.5 0.013 0.10 0.01 0.25 19.52 2.3 7.25 1.04 1.67 34 Schroon LN 727/2006 44.2 2.60 1.0 0.014 0.02 0.20 0.27 15.22 3 7.25 3.40 0.5 0.33 35 Schroon LN 727/2006 44.2 2.60 1.0 0.014 0.01 0.05 0.05 7.5 45.85 3.7 36 55 2.76 34 Schroon LN 727/2006 44.2 2.70 1.0 0.012 0.04 0.02 0.57 45.85 3.7 7.35 7.36 55 2.76 34 Schroon LN 81/0/2006 44.2 2.70 1.0 0.012 0.03 0.04 0.07 5.56 9.26 7.53 48 3.41 34 Schroon LN 97/2006 44.2 2.85 1.0 0.009 0.03 0.02 0.01 1.76 4.01 0.825 59 2.51 35 Schroon LN 97/2006 44.2 2.85 1.0 0.009 0.03 0.02 0.14 47.64 10 8.25 59 2.51 34 Schroon LN 87/2008 3.0 3.0 1.5 0.008 0.04 0.02 0.15 41.95 0.0 2.73 5.59 2.51 35 Schroon LN 87/2008 3.0 3.0 1.5 0.008 0.04 0.02 0.15 41.95 0.0 7.38 5.3 4.0 0.10 34 Schroon LN 87/2008 3.0 5.5 5.5 0.008 0.03 0.01 0.23 0.26 6.13 7.95 5.3 0.10 35 Schroon LN 87/2008 3.0 5.5 5.5 0.008 0.00 0.01	34	Schroon L-N	7/19/2005	44.8	3.10	1.0	0.008	0.03	0.04	0.17	12.20	18	7.10	70		4.11
34 Schroon L.N 8/30/2005 44.0 3.90 1.0 0.013 0.03 0.01 0.23 6.12 25 6.94 81 1.92 34 Schroon L.N 9/30/2005 45.0 3.30 1.0 0.010 0.01 0.011 8.530 1.4 7.40 83 1.99 34 Schroon L.N 8/72/2005 44.8 2.75 1.5 0.013 0.01 0.02 0.20 0.27 15.22 3 7.25 10.4 1.67 34 Schroon L.N 8/72/2006 44.8 2.75 1.5 0.013 0.10 0.01 0.25 19.52 2.2 7.53 40 5.8 0.33 34 Schroon L.N 8/72/2006 44.2 2.60 1.0 0.014 0.016 0.01 0.01 0.01 0.01 0.01 0.01 34 Schroon L.N 8/72/2006 44.2 2.60 1.0 0.014 0.016 0.01 0.01 0.01 0.01 0.01 0.01 0.01 34 Schroon L.N 8/72/2006 44.2 2.75 1.0 0.012 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 34 Schroon L.N 8/72/2006 44.2 2.85 1.0 0.009 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.03 0.02 0.01 0.01 0.02 0.03 0.02 0.01 0.02 0.03 0.02 0.01 0.02 0.03 0.02 0.01 0.02 0.03 0.02 0.01 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.03	34	Schroon L-N	8/2/2005	44.0	2.85	1.0	0.011	0.03	0.01	0.35	9.63		7.02	83		5.51
34 Schroon L-N 9/13/2005 45.0 3.30 1.0 0.010 0.01 0.01 0.18 5.30 14 7.40 83 1.99 34 Schroon L-N 6/16/2005 45.1 44.5 1.0 0.018 0.02 0.20 0.27 15.22 3 72.5 34 40 5.8 0.39 34 Schroon L-N 6/16/2006 44.2 2.80 1.0 0.014 0.01 0.015 0.05 19.52 22 7.53 40 5.8 0.39 34 Schroon L-N 7/27/2006 44.2 2.80 1.0 0.012 0.04 0.02 0.07 45.85 35 7.36 55 2.76 34 Schroon L-N 7/27/2006 44.8 2.90 1.0 0.012 0.03 0.04 0.07 5.65 3.5 7.36 55 2.76 34 Schroon L-N 8/24/2006 42.2 2.80 1.0 0.012 0.03 0.04 0.07 5.65 2.6 7.53 48 3.4 34 Schroon L-N 9/72006 44.2 2.85 1.0 0.009 0.03 0.02 0.14 47.64 10 8.25 59 2.51 35 Schroon L-N 9/72006 44.2 2.85 1.0 0.009 0.03 0.02 0.14 47.64 10 8.25 59 2.51 34 Schroon L-N 9/72006 44.2 2.85 1.0 0.009 0.04 0.02 0.35 62.26 17 7.31 7.5 1.68 35 Schroon L-N 7/27/2008 3.0 4.00 1.5 0.008 0.04 0.02 0.15 4.95 0.0 7.38 53 4.0 0.10 34 Schroon L-N 7/27/2008 3.0 4.00 1.5 0.008 0.04 0.02 0.15 4.95 0.0 7.99 6.0 0.02 34 Schroon L-N 8/18/2008 3.0 7.01 1.5 0.007 0.03 0.01 0.23 62.66 13 7.95 53 0.10 34 Schroon L-N 8/18/2008 3.0 5.5 5.0 0.005 0.01 0.02 3.02 5.0 5.0 5.0 0.00 35 Schroon L-N 8/18/2008 3.0 5.5 5.5 0.005 0.01 0.02 3.02 5.0 5.0 5.0 0.00 34 Schroon L-N 8/18/2008 3.20 5.55 5.5 0.005 0.00 0.01 0.17 4.910 0.0 0.15 5.9 0.80 35 Schroon L-N 8/18/2008 3.25 5.5 5.0 0.005 0.00 0.01 0.17 4.910 0.0 0.15 5.0 0.00 35 Schroon L-N 8/18/2008 3.25 5.5 5.0 0.005 0.00 0.01 0.17 5.168 6.79 1.66 0.00 35 Schroon L-N 8/18/2008 3.25 5.5 0.008 0.00 0.01 0.17 5.168 6.79 1.66 0.00 35 Sc	34	Schroon L-N	8/16/2005	44.2	2.65	1.0	0.015			0.34	12.17	35	6.76	72	2.9	2.84
34 Schroon L-N 9/27/2006 44.8 2.56 1.5 0.018 0.02 0.27 15.22 3 7.25 104 1.67	34	Schroon L-N	8/30/2005	44.0	3.90	1.0	0.013	0.03	0.01	0.23	6.12	25	6.94	81		2.62
34 Schroon L-N 679/2006 44.8 2.76 1.5 0.013 0.10 0.01 0.25 19.52 22 7.53 40 5.8 0.39	34	Schroon L-N	9/13/2005	45.0	3.30	1.0	0.010	0.01	0.01	0.18	5.30	14	7.40	83		1.99
34 Schroon L.N 6/29/2006 44.2 2.60 1.0 0.014	34	Schroon L-N	9/27/2005	45.1	4.45	1.0	0.018	0.02	0.20	0.27	15.22	3	7.25	104		1.67
34 Schroon L-N 7/27/2006 44.8 2.90 1.0 0.012 0.04 0.02 0.57 45.86 35 7.36 55 2.76	34	Schroon L-N	6/16/2006	44.8	2.75	1.5	0.013	0.10	0.01	0.25	19.52	22	7.53	40	5.8	0.39
34 Schroon L.N 8/10/2006 44.2 2.70 1.0 0.012 0.03 0.04 0.67 55.69 26 7.53 48 3.41 34 Schroon L.N 9/7/2006 43.2 3.70 1.0 0.016 0.04 0.03 0.59 36.49 31 7.55 62 6.0 2.84 34 Schroon L.N 9/7/2006 44.2 2.65 1.0 0.009 0.03 0.02 0.41 47.64 10 8.25 59 2.51 34 Schroon L.N 9/20/2008 33.0 4.00 1.5 0.008 0.04 0.02 0.53 62.26 17 7.31 75 1.68 34 Schroon L.N 7/5/2008 30.0 7.10 1.5 0.007 0.13 0.02 0.15 41.95 20 7.38 53 4.0 0.10 34 Schroon L.N 7/5/2008 30.0 7.10 1.5 0.007 0.13 0.02 0.15 41.95 20 7.38 53 4.0 0.10 34 Schroon L.N 8/1/2008 3.1 5.35 1.5 0.008 0.04 0.02 0.15 46.67 7.90 66 0.22 34 Schroon L.N 8/1/2008 3.1 5.35 1.5 0.008 0.01 0.01 0.23 62.66 13 7.90 66 0.22 34 Schroon L.N 8/1/2008 3.5 5.5 1.5 0.005 0.01 0.02 0.32 134.03 15 7.78 58 0.28 34 Schroon L.N 8/29/2008 30.5 4.65 1.5 0.005 0.01 0.02 0.32 134.03 15 7.78 58 0.28 34 Schroon L.N 8/29/2008 30.5 4.65 1.5 0.005 0.00 0.00 0.18 74.39 18 8.34 60 0.46 34 Schroon L.N 9/16/2008 3.35 4.95 1.5 0.007 0.03 0.00 0.17 43.19 2.0 8.10 0.6 34 Schroon L.N 9/16/2008 2.5 5.40 1.5 0.008 0.00 0.00 0.18 74.39 18 8.34 60 0.46 34 Schroon L.N 0.70/2/2009 2.75 0.008 0.06 0.02 0.19 53.67 21 9.07 68 0.10 34 Schroon L.N 0.70/2/2009 2.25 0.008 0.06 0.02 0.14 49.05 38 7.40 26 5.1 6.90 34 Schroon L.N 0.8/13/2009 3.30 0.008 0.00 0.00 0.19 53.67 21 9.07 68 0.10 34 Schroon L.N 0.8/13/2009 3.30 0.008 0.008 0.00 0.01 0.14 49.05 38 7.40 26 5.1 6.90 34 Schroon L.N 0.8/13/2009 3.30 0.008 0.008 0.00 0.00 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008	34	Schroon L-N	6/29/2006	44.2	2.60	1.0	0.014					21	6.96	62		2.65
34 Schroon LN 8/24/2006 43.3 3.30 1.0 0.016 0.04 0.03 0.59 36.49 31 7.55 62 6.0 2.84	34	Schroon L-N	7/27/2006	44.8	2.90	1.0	0.012	0.04	0.02	0.57	45.85	35	7.36	55		2.76
34 Schroon L-N 97/2006 44.2 3.70 1.0 0.009 0.03 0.02 0.41 47.64 10 8.25 59 2.51	34	Schroon L-N	8/10/2006	44.2	2.70	1.0	0.012	0.03	0.04	0.67	55.69	26	7.53	48		3.41
34 Schroon LN 9/20/2006 44.2 2.85 1.0 0.009 0.04 0.02 0.53 62.26 17 7.31 75 1.68	34	Schroon L-N		43.3	3.30	1.0	0.016	0.04	0.03	0.59	36.49	31	7.55	62	6.0	2.84
34 Schroon L-N 6/22/2008 33.0 4.00 1.5 0.008 0.04 0.02 0.15 46.67 7.90 66 0.22 2.34 Schroon L-N 7/5/21/2008 31.0 5.35 1.5 0.008 0.03 0.01 0.23 62.66 13 7.95 53 0.10 34 Schroon L-N 8/1/2008 32.0 5.55 1.5 0.008 0.03 0.01 0.22 62.66 13 7.95 53 0.10 34 Schroon L-N 8/1/2008 32.0 5.55 1.5 0.008 0.00 0.01 0.02 0.32 134.03 15 7.78 58 0.28 34 Schroon L-N 8/2/2008 33.5 4.95 1.5 0.008 0.00 0.01 0.17 49.10 20 8.10 56 59 0.80 34 Schroon L-N 8/2/2/2008 33.5 4.95 1.5 0.005 0.00 0.01 0.17 49.10 20 8.10 56 59 0.80 34 Schroon L-N 9/2/5/2008 33.5 4.95 1.5 0.005 0.00 0.00 0.18 74.39 18 8.34 60 0.46 34 Schroon L-N 9/2/5/2008 32.0 5.40 1.5 0.008 0.00 0.00 0.18 74.39 18 8.34 60 0.46 34 Schroon L-N 9/70/2/2009 2.75 0.008 0.02 0.00 0.19 53.67 21 9.07 68 0.10 34 Schroon L-N 9/70/2/2009 2.75 0.008 0.06 0.02 0.01 35.25 35 6.19 49 6.1 0.10 34 Schroon L-N 08/13/2/2009 3.20 0.009 0.008 0.02 0.16 46.86 52 7.23 58 0.10 0.34 Schroon L-N 08/30/2009 3.30 0.009 0.01 0.01 0.12 49.74 47 7.30 56 56 51 6.90 34 Schroon L-N 08/30/2009 3.30 0.001 0.01 0.11 0.14 49.05 38 7.40 26 5.1 6.90 34 Schroon L-N 08/30/2009 3.30 0.011 0.01 0.01 0.12 24.02 28 7.27 62 12.40 34 Schroon L-N 09/30/2009 3.30 0.011 0.01 0.01 0.12 24.02 28 7.27 62 12.40 34 Schroon L-N 09/30/2009 3.30 0.011 0.01 0.01 0.12 24.02 28 7.27 62 12.40 34 Schroon L-N 09/31/2009 3.5 5.00 0.008 0.00 0	34		9/7/2006	44.2	3.70	1.0	0.009	0.03	0.02	0.41	47.64	10	8.25	59		2.51
34 Schroon L-N 7/5/2008 30.0 7.10 1.5 0.007 0.13 0.02 0.15 46.67 7.90 66 0.22	34	Schroon L-N	9/20/2006	44.2	2.85	1.0	0.009	0.04	0.02	0.53	62.26	17	7.31	75		1.68
Schroon L-N 7/21/2008 31.0 5.35 1.5 0.008 0.03 0.01 0.23 62.66 13 7.95 53 0.10 0.28 0.20 0.00 0.10 0.17 0.18 0.28 0.28 0.28 0.28 0.28 0.28 0.20 0.00 0.00 0.10 0.18 0.45 0.28 0.46	34	Schroon L-N	6/22/2008	33.0	4.00		0.008	0.04	0.02	0.15	41.95	20	7.38		4.0	0.10
34 Schroon L-N 8/1/2008 3.0 5.55 1.5 0.008 0.01 0.02 0.32 134.03 15 7.78 58 0.28				30.0		1.5	0.007	0.13	0.02	0.15			7.90	66		
34 Schroon L-N 8/18/2008 3.05 4.65 1.5 0.008 0.00 0.01 0.17 49.10 20 8.10 56 5.9 0.80	34	Schroon L-N		31.0		1.5		0.03	0.01		62.66	13	7.95	53		
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34 Schroon L-N 9/25/2008 32.0 5.40 1.5 0.008 0.02 0.00 0.19 53.67 21 9.07 68 0.10					4.65				0.00	0.18	74.39	18	8.34	60		
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34 Schroon L-N 07/20/2009 2.85 0.020 0.06 0.04 0.18 19.60 45 6.39 30 0.11				32.0		1.5										
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	34					35.0			0.03					0.03		

LNum	PName	Date	Zbot	Zsd	Zsamp	Tot.P	NO3	NH4	TDN	TN/TP		NO2	Fe	Mn	As
34	Schroon L-N	8/28/2010	42.0		42.0										1.20
34	Schroon L-N	7/14/2011	40.0	3.23	39.0	0.007		0.02					0.21	0.01	
34	Schroon L-N	8/3/2011		3.55	42.0	0.013		0.01					0.15	0.01	
34		8/22/2011		3.10	43.5	0.006		0.03					0.26	0.04	0.50
34	Schroon L-N	9/22/2011		2.65	48.0	0.007		0.03					0.01	0.01	4.00
34	Schroon L-N	6/20/2012			46.0	0.009		0.01							
34	Schroon L-N	7/5/2012			50.0								0.60	0.02	
34	Schroon L-N	7/20/2012			42.0	0.025		0.03							
34	Schroon L-N	8/10/2012			42.0								0.93	0.13	
34	Schroon L-N				42.0										
34	Schroon L-N	9/1/2012			46.0								3.01	0.28	0.50
34	Schroon L-N	9/21/2012			44.0	0.015		0.02							
34	Schroon L-N	9/26/2012			43.0								1.12	0.27	1.00
34	Schroon L-N	6/24/2013			42.0	0.016		0.02							
34	Schroon L-N	7/8/2013			41.0										
34	Schroon L-N	7/22/2013			46.0	0.035		0.02							
34	Schroon L-N	8/11/2013			43.0										
34	Schroon L-N	8/17/2013			3.8	0.074		0.02							
34	Schroon L-N	9/4/2013			45.0										
34	Schroon L-N	9/11/2013			42.0	0.053		0.01							
34	Schroon L-N	9/19/2013			44.0										
34	Schroon L-N	6/29/2014			42.0	0.007		0.05							
34	Schroon L-N	7/20/2014			40.0	0.007									
34	Schroon L-N	7/25/2014			41.5	0.005		0.02							
34	Schroon L-N	8/14/2014			30.0	0.374									
34	Schroon L-N	8/25/2014			30.0	0.007		0.02							
34	Schroon L-N	9/14/2014			30.0	0.182					•		•		

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Num	PName	Date	Zbot	Zsd	Zsamp	Tot.P	NO3	NH4	TDN	TN/TP	TColor	рН	Cond25	Ca	Chl.a
34.1	Schroon L-S	6/24/2003	35.7	3.95	1.0	0.004	0.15	0.02	0.17	41.00	16	7.31	72	8.4	0.49
34.1	Schroon L-S	7/8/2003	36.6	4.85	1.0	0.004	0.07	0.01	0.32	78.09	11	7.38	74		1.16
34.1	Schroon L-S	7/22/2003	34.0	6.14		0.004	0.05	0.03	0.28	73.80	15	7.44	77		2.05
34.1	Schroon L-S	8/5/2003	34.0	3.95	1.0	0.004	0.00	0.02	0.28	64.14	17	7.15	78		3.15
34.1	Schroon L-S	8/19/2003	36.6	3.30	1.0	0.004	0.00	0.01	0.23	62.40	11	7.23	79	6.7	2.83
34.1	Schroon L-S	9/2/2003	32.6	4.60	1.0	0.004	0.00	0.01	0.16	40.20	17	7.24	81		1.96
34.1	Schroon L-S	9/17/2003	35.0	4.95	1.0	0.004	0.00	0.01	0.11	27.86	13	7.04	85		2.21
34.1	Schroon L-S	9/30/2003	35.0	2.83	1.5	0.006	0.02	0.01	0.29	47.41	17	6.97	86		2.22
34.1	Schroon L-S	6/11/2004		5.00		0.006	0.09	0.02	0.38	62.83	22	6.26	73		1.22
34.1	Schroon L-S	6/23/2004	34.7	9.00	1.0	0.004	0.05	0.01	0.29	80.38	16	6.25	72		2.09
34.1	Schroon L-S	7/7/2004	34.4	4.50	1.0	0.003	0.09	0.03	1.04	301.24	16	6.76	74		0.50
34.1	Schroon L-S	7/21/2004	34.5	4.00		0.005	0.05	0.07	0.36	77.23	13	7.54	76		0.40
34.1	Schroon L-S	8/4/2004	35.1	3.70	1.0	0.005	0.02	0.02	0.23	45.52	17	7.77	85		3.30
34.1	Schroon L-S	8/18/2004	36.0	2.90	1.0	0.003	0.02	0.01	0.35	138.23	14	7.20	63		2.70
34.1	Schroon L-S	9/1/2004	36.0	4.10	1.0	0.003	0.03	0.01	0.38	124.89		7.02	61		2.60
34.1	Schroon L-S	9/14/2004	36.0	5.00	1.0	0.006	0.03	0.03	0.34	61.04	18	6.64	64		1.20
34.1	Schroon L-S	6/21/2005	36.0	3.00	1.0	0.006	0.01	0.08	0.33	53.51	28	8.00	65	5.9	2.30
34.1	Schroon L-S	7/5/2005	25.0	2.80	1.0	0.005	0.02	0.06	0.25	45.84	23	7.80	64		1.23
34.1	Schroon L-S	7/19/2005	34.1	3.40	1.0	0.014	0.01	0.05	0.17	12.12	15	7.29	72		2.80
34.1	Schroon L-S	8/2/2005	34.0	3.15	1.0	0.014	0.04	0.02	0.31	21.91	39	7.02	76		4.85
34.1	Schroon L-S	8/16/2005	35.0	3.10	1.0	0.019	0.03	0.02	0.29	15.81	40	6.83	72	6.3	2.12
34.1	Schroon L-S	8/30/2005	34.0	4.48	1.0	0.021	0.01	0.01	0.19	8.92	20	7.31	90		2.52
34.1	Schroon L-S	9/13/2005	33.0	3.25	1.0	0.019	0.01	0.01	0.17	8.83	14	7.30	73		2.18
34.1	Schroon L-S	9/27/2005	34.1	4.10	1.0	0.010	0.02	0.03	0.15	15.33	16	7.06	82		1.17
34.1	Schroon L-S	6/16/2006	34.8	3.45	1.0	0.011	0.10	0.01	0.27	24.29	13	7.27	48	5.0	2.09
34.1	Schroon L-S	6/28/2006	36.0	3.25	1.0	0.010	0.08	0.03	0.41	41.11	18	7.75	60		2.79
34.1	Schroon L-S	7/27/2006	34.1	3.09	1.0	0.011	0.03	0.02	0.50	46.49	37	8.40	37		3.65
34.1	Schroon L-S	8/10/2006	35.1	3.00	1.0	0.011	0.04	0.02	0.62	59.20	28	7.81	66		3.91
34.1	Schroon L-S	8/24/2006	36.0	3.15	1.0	0.009	0.05	0.03	0.66	77.15	17	7.55	74	5.7	0.41
34.1	Schroon L-S	9/7/2006	36.0	3.15	1.0	0.005	0.03	0.03	0.51	103.52	11	7.60	60		2.67
34.1	Schroon L-S	9/20/2006	36.0	3.00	1.0	0.010	0.04	0.09	0.46	45.87	13	7.86	73		1.56
34.1	Schroon L-S	6/22/2008	33.0	3.90	1.5	0.026	0.04	0.01	0.25	21.11	21	6.98	58	6.0	0.71
34.1	Schroon L-S	7/23/2008	43.0	4.45	1.5	0.004					15	8.24	58		0.10
34.1	Schroon L-S	8/18/2008	33.0	2.30	1.5	0.005	0.01	0.00	0.27	114.69		7.76	61		0.10
34.1	Schroon L-S	8/27/2008	33.0	2.85		0.007	0.01	0.00	0.17	56.77	26	7.88	66		0.10
34.1	Schroon L-S	9/15/2008				0.004	0.02	0.02	0.20	110.27	19	7.65	69	4.3	0.10

Num PName	Num	PName	Date	Zbot	Zsd	Zsamp	Tot P	NO3	NH4	TDN	TN/TP	TColor	рН	Cond25	Ca	Chl.a
34.1 Schroon L.S 09722008 44.0 4.23 0.005 0.03 0.01 0.19 96.66 19 7.74 77 0.64 34.1 Schroon L.S 109722009 5.30 4.55 0.009 0.04 0.01 0.09 22.00 36 7.23 60 6.4 0.29 34.1 Schroon L.S 09702009 37.0 3.06 1.5 0.001 0.00 0.01 0.01 0.01 0.01 0.00 34.1 Schroon L.S 09702009 35.7 4.00 1.5 0.002 0.00 0.01 0.01 0.01 0.00 0.02 7.66 50 0.03 34.1 Schroon L.S 09702003 35.7 3.05 1.5 0.007 0.00 0.01 0.12 0.00 30 7.46 58 0.03 34.1 Schroon L.S 098072003 35.7 3.75 1.5 0.005 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 34.1 Schroon L.S 098072003 35.7 3.05 1.5 0.005 0.01 0.0						Zsamp					-				Ca	
34.1 Schroon L.S 107/2008 3.0 1.5 0.004 0.03 0.01 0.17 95.26 17 8.30 79 0.10 34.1 Schroon L.S 0.071/20209 3.0 3.05 1.5 0.009 0.04 0.01 0.09 2.2 41.04 50 7.95 53 0.48 34.1 Schroon L.S 0.071/20209 36.7 4.30 1.5 0.009 0.04 0.03 0.12 0.00 3.2 7.66 50 0.03 34.1 Schroon L.S 0.081/20209 35.7 4.30 1.5 0.000 0.01 0.01 0.01 0.03 0.01 0.03 0.01 0.03 34.1 Schroon L.S 0.081/20209 35.7 3.56 1.5 0.005 0.01 0.01 0.13 3.17 31 7.91 54 5.6 0.03 0.01																-
34.1 Schroon L.S Bis202009 25.0 45.5				77.0		1.5										
34.1 Schroon L-S D71/10/2008 37.0 3.36 1.5 0.012 0.03 0.01 0.22 41.04 50 7.95 53 0.48 34.1 Schroon L-S D81/10/2008 35.7 4.30 1.5 0.009 0.02 0.02 0.12 40.00 30 7.44 58 0.32 34.1 Schroon L-S D81/10/2008 35.7 3.5 1.5 0.005 0.01 0.01 0.13 59.13 31 7.91 54 58 0.32 34.1 Schroon L-S D81/12/2008 35.7 3.55 1.5 0.005 0.01 0.01 0.13 59.13 31 7.91 54 58 0.36 34.1 Schroon L-S D81/12/2008 35.7 3.55 1.5 0.005 0.02 0.03 0.13 53.78 27 8.15 49 0.50 34.1 Schroon L-S D81/12/2008 35.7 3.95 1.5 0.005 0.01 0.01 0.11 38.06 20 7.44 58 0.10 34.1 Schroon L-S D81/12/2009 35.7 3.95 0.005 0.04 0.02 0.13 54.59 24 7.62 64 0.40 34.1 Schroon L-S D81/12/2019 45.0 4.08 0.011 0.05 0.03 64.50 13 7.66 74 0.40 34.1 Schroon L-S D81/12/2019 4.00 4.08 0.011 0.05 0.03 64.50 13 7.66 74 0.40 34.1 Schroon L-S D81/12/2019 4.00 4.08 0.011 0.05 0.03 64.50 13 7.66 74 0.00 34.1 Schroon L-S D81/12/2019 4.00 4.08 0.011 0.05 0.03 64.50 13 7.66 74 0.00 34.1 Schroon L-S D81/12/2019 4.00 4.00 0.007 0.02 0.02 0.01 61.89 4.00 4.00 34.1 Schroon L-S D81/12/2019 4.00 4.00 0.007 0.02 0.02 0.01 61.89 4.00 4.00 34.1 Schroon L-S D81/12/2019 4.00 4.05 6.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 34.1 Schroon L-S D81/12/2019 4.00 4.05 6.00 0				25.0		1.0									5.4	
34.1 Schroon L-S 2017/19/2008 35.7 4.40 1.5 0.007 0.02 0.02 0.12 4.00 30 7.44 58 0.32 34.1 Schroon L-S 3091/2009 35.7 3.75 1.5 0.006 0.01 0.01 0.13 59.13 31 7.91 54 6.80 0.60 34.1 Schroon L-S 3091/2009 35.7 3.5 1.5 0.006 0.01 0.01 0.13 59.13 31 7.91 54 6.80 0.60 34.1 Schroon L-S 3091/2009 35.7 3.5 1.5 0.006 0.01 0.01 0.13 59.13 31 7.91 54 6.80 0.60 34.1 Schroon L-S 3091/2009 35.7 3.5 1.5 0.006 0.01 0.01 0.13 35.78 27 8.15 49 0.60 34.1 Schroon L-S 0.002/2003 35.7 3.5 0.005 0.01 0.01 0.11 38.06 20 7.44 58 0.10 34.1 Schroon L-S 0.002/2003 35.7 3.5 0.005 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 34.1 Schroon L-S 0.002/2003 6.003 0.004 0.02 0.13 45.59 24 7.62 64 0.40 34.1 Schroon L-S 7.91/2001 42.0 3.65 0.00						1.5									0. 1	
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34.1 Schroon L-S 907/2006 35.7 3.75 1.5 0.005 0.01 0.01 0.13 59.13 31 7.91 54 6.80 0.50 34.1 Schroon L-S 907/2008 35.7 35.5 1.5 0.005 0.00 0.03 0.13 35.78 27 8.15 49 0.50 34.1 Schroon L-S 907/2008 35.7 35.5 0.005 0.01 0.01 0.11 38.06 20 7.44 58 0.10 34.1 Schroon L-S 907/2008 35.7 35.5 0.005 0.01 0.01 0.11 38.06 20 7.44 58 0.10 34.1 Schroon L-S 67/2010 46.0 4.10 0.001 0.07 0.01 30 84.50 13 7.66 74 8.0 2.80 34.1 Schroon L-S 73/2010 46.0 4.10 0.001 0.07 0.01 30 84.50 13 7.66 74 8.0 2.80 34.1 Schroon L-S 73/2010 46.0 4.45 0.009 0.02 0.02 0.13 8.09 19 7.09 50 1.80 34.1 Schroon L-S 73/2010 42.0 4.45 0.009 0.02 0.02 0.13 4.92 2.85 7.65 7.8 0.10 34.1 Schroon L-S 87/2010 46.0 4.45 0.009 0.02 0.02 0.13 4.92 2.85 7.65 7.8 0.10 34.1 Schroon L-S 97/2010 4.02 4.05 0.005 0.05																
34.1 Schroon L-S 991/12008 35.7 38.5 1.5 0.006 0.02 0.03 0.13 53.78 27 8.15 49 0.50 34.1 Schroon L-S 0100/22008 35.7 5.38 15 0.006 0.01 0.01 0.01 0.01 34.1 Schroon L-S 0100/22008 35.7 3.95 0.005 0.04 0.02 0.13 54.59 24 7.62 64 0.40 34.1 Schroon L-S 027/2010 46.0 4.08 0.011 0.05 0.03 0.47 33.80 19 7.09 50 1.80 34.1 Schroon L-S 78/2010 47.0 4.08 0.011 0.05 0.03 0.47 33.80 19 7.09 50 1.80 34.1 Schroon L-S 78/2010 42.0 3.85 0.006 0.02 0.02 0.01 61.89 42 87 7.83 83 83 1.00 34.1 Schroon L-S 87/22010 44.0 4.95 0.007 0.007 0.00 0.00 0.00 61.80 40 40 40 40 40 40 40															5.8	
34.1 Schroon L.S 09/17/2009 35.7 5.93 1.5 0.006 0.01 0.01 0.11 38.06 20 7.44 58 0.10 0.41 Schroon L.S 07/2009 35.7 39.5 0.005 0.005 0.04 0.02 0.13 54.59 24 7.62 46 0.40 0.41 Schroon L.S 07/2009 47.01 46.0 40.0 0.010 0.07 0.01 0.30 64.50 13 7.66 74 8.0 2.80 34.1 Schroon L.S 07/2009 47.0 4.10 0.010 0.07 0.01 0.30 64.50 13 7.66 74 8.0 2.80 34.1 Schroon L.S 7/2009 47.0 4.10 0.000 0.0																
34.1 Schroon L.S 10/02/2003 85.7 39.5 0.005 0.04 0.02 0.13 54.59 24 7.62 64 0.040 0.41 Schroon L.S 6/3/2010 46.0 4.10 0.010 0.07 0.01 0.30 64.50 13 7.66 74 8.0 2.80 0.41 Schroon L.S 7/2/2010 46.0 4.10 0.007 0.01 0.05 0.30 0.47 93.80 19 7.09 50 1.83 0.10 0.41 Schroon L.S 7/2/2010 42.0 4.10 0.007 0.02 0.02 0.11 4.92 2.66 7.68 78 0.10 0.41 Schroon L.S 7/2/2010 42.0 4.45 0.009 0.02 0.04 3.85 88.50 16 7.29 85 2.10 0.41 Schroon L.S 27/2/2010 44.0 4.95 0.017 0.05 0.05 0.40 50.51 2.0 7.00 62 6.1 3.03 0.41 Schroon L.S 9/7/2010 5.75 1.5 0.025 0.01 0.02 0.18 16.08 13 7.60 62 6.1 3.03 0.41 Schroon L.S 10/10/2010 5.75 1.5 0.025 0.01 0.02 0.18 10.08 1.2 7.32 83 1.00 0.34 Schroon L.S 7/10/2011 6.15 1.5 0.011 0.08 0.04 0.25 88.27 2.7 8.50 93 4.2 0.10 0.34 Schroon L.S 7/3/2011 5.25 1.5 0.025 0.01 0.02 0.05 0.05 0.33 0.02 12 7.32 83 0.50 0.34 Schroon L.S 7/3/2011 5.25 1.5 0.025 0.01 0.04 0.27 32.82 27 8.50 93 4.2 0.10 0.04 0.04 0.05 0																
34.1 Schroon L.S 67/32/010 45.0 4.10 0.010 0.07 0.01 0.30 64.50 13 7.66 74 8.0 2.80 34.1 Schroon L.S 7/8/2010 47.0 4.10 0.007 0.02 0.02 0.61 189.94 28 7.63 83 0.10 34.1 Schroon L.S 7/8/2010 42.0 48.0 0.007 0.02 0.02 0.61 189.94 28 7.63 83 0.10 34.1 Schroon L.S 8/12/2010 45.0 4.45 0.009 0.02 0.04 0.35 88.50 16 7.29 85 0.10 34.1 Schroon L.S 8/12/2010 44.0 4.95 0.009 0.02 0.04 0.35 88.50 16 7.29 85 2.10 34.1 Schroon L.S 8/12/2010 45.0 4.95 0.007 0.05 0.05 0.04 0.05 1.20 7.00 62 61.1 34.1 Schroon L.S 8/12/2010 5.25 1.5 0.025 0.01 0.02 0.18 16.08 13 7.80 83 0.50 34.1 Schroon L.S 9/12/2010 5.25 1.5 0.025 0.01 0.02 0.18 16.08 13 7.80 83 0.50 34.1 Schroon L.S 10/10/2010 5.75 1.5 0.020 0.05 0.05 0.33 36.02 12 7.32 83 1.00 34.1 Schroon L.S 7/19/2011 5.20 1.5 0.011 0.08 0.04 0.29 58.27 32 7.13 57 0.20 34.1 Schroon L.S 7/19/2011 5.15 5.00 1.00 0.01 0.02 0.05 0.05 0.03 34.1 Schroon L.S 8/19/2011 5.15 5.00 1.00 0.01 0.02 0.05 0.05 0.05 34.1 Schroon L.S 8/19/2011 5.15 5.00 1.00 0.01 0.02 0.02 0.02 0.05 0.05 34.1 Schroon L.S 8/19/2011 5.15 5.00 0.01 0.08 0.04 0.29 58.27 32 7.13 57 0.06 34.1 Schroon L.S 8/19/2011 3.00 1.5 0.001 0.00 0.02 0.02 0.02 0.02 0.05 0.05 34.1 Schroon L.S 8/19/2011 3.00 1.5 0.001 0.001 0.00																
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34.1 Schroon LS 73/12010 47.0 4.10 0.007 0.02 0.06 189.94 28 7.63 83 0.10		Schroon L-S												50		
34.1 Schroon L-S 17/31/2010 42.0 3.85 0.006 0.02 0.02 0.13 49.22 26 7.65 78 0.10 34.1 Schroon L-S 8/12/2010 44.0 4.95 0.017 0.05 0.05 0.05 0.05 16 7.29 85 2.10 34.1 Schroon L-S 8/24/2010 44.0 4.95 0.017 0.05 0.05 0.05 0.06 10.05 18 15.0 34.1 Schroon L-S 9/7/2010 5.25 1.5 0.025 0.01 0.02 0.18 16.08 13 7.80 83 1.00 34.1 Schroon L-S 7/10/2011 5.75 1.5 0.020 0.05 0.05 0.33 36.02 12 7.52 83 1.00 34.1 Schroon L-S 7/10/2011 5.15 1.5 0.021 0.05 0.05 0.03 3.3 3.02 12 7.52 83 1.00 34.1 Schroon L-S 7/10/2011 5.15 1.5 0.018 0.17 0.04 0.27 32.82 27 8.50 93 4.2 0.10 34.1 Schroon L-S 7/31/2011 5.15 1.5 0.011 0.08 0.04 0.29 58.27 32 7.13 57 0.20 34.1 Schroon L-S 8/31/2011 3.05 1.5 0.011 0.08 0.04 0.15 31.75 2.3 8.22 60 0.40 34.1 Schroon L-S 8/31/2011 3.05 1.5 0.010 0.06 0.04 0.29 58.27 32 7.13 57 0.20 34.1 Schroon L-S 8/31/2011 3.05 1.5 0.010 0.06 0.04 0.29 61.56 7.36 65 5.5 0.05 34.1 Schroon L-S 8/31/2011 3.00 1.5 0.010 0.06 0.04 0.29 61.56 7.36 65 5.5 0.05 34.1 Schroon L-S 8/31/2011 3.10 1.5 0.009 0.07 0.03 0.31 78.53 28 7.52 41 0.40 34.1 Schroon L-S 8/31/2012 3.05 4.5 1.5 0.006 0.07 0.03 0.15 59.60 17 78 3.5 58 65 0.05 34.1 Schroon L-S 8/32/2012 3.05 4.5 1.5 0.006 0.07 0.03 0.15 59.60 17 78 3.5 58 65 0.05 34.1 Schroon L-S 8/32/2012 3.05 4.5 1.5 0.006 0.07 0.03 0.15 59.60 17 78 3.5 58 65 65 0.05 34.1 Schroon L-S 8/32/2012 3.05 4.5 50.006 0.00 0.03 0.03 0.15 59.60 17 78 3.5 58 65 65 65 65 65 65 6							0.007	0.02		0.61	189.94	28	7.63	83		0.10
34.1 Schroon L-S B/12/2010 48.0 44.5 0.009 0.02 0.04 0.35 88.50 16 7.29 85 2.10 34.1 Schroon L-S 97/2010 5.25 1.5 0.025 0.01 0.02 0.18 16.08 13 7.80 83 0.50 34.1 Schroon L-S 97/2010 5.25 1.5 0.025 0.01 0.02 0.18 16.08 13 7.80 83 0.50 34.1 Schroon L-S 10/10/2011 6.15 1.5 0.020 0.05 0.05 0.03 36.02 12 7.32 83 1.00 34.1 Schroon L-S 77/02/011 6.15 1.5 0.018 0.07 0.04 0.27 32.82 27 85.0 93 4.2 0.10 34.1 Schroon L-S 77/10/2011 5.20 1.5 0.011 0.08 0.04 0.29 58.27 32 7.13 57 0.20 34.1 Schroon L-S 78/10/2011 4.30 1.5 0.009 0.02 0.02 0.23 58.00 20 7.78 70 0.60 34.1 Schroon L-S 87/10/2011 3.90 1.5 0.009 0.02 0.02 0.23 58.00 20 7.78 70 0.60 34.1 Schroon L-S 87/10/2011 3.90 1.5 0.009 0.02 0.02 0.23 58.00 20 7.78 70 0.60 34.1 Schroon L-S 6/28/2012 30.5 4.95 1.5 0.001 0.06 0.04 0.09 0.02 0.02 0.03 0.03 0.03 34.1 Schroon L-S 6/28/2012 30.5 4.95 1.5 0.001 0.07 0.03 0.01 78.33 30 7.13 57 0.10 34.1 Schroon L-S 6/28/2012 30.5 4.95 1.5 0.001 0.07 0.03 0.15 59.60 17 7.83 35 5.8 6.50 34.1 Schroon L-S 8/26/2012 30.0 5.40 5.1 5.0006 0.07 0.03 0.15 59.60 17 7.83 35 5.8 6.50 34.1 Schroon L-S 8/26/2012 30.0 5.00 5.1 5.0006 0.07 0.03 0.15 59.60 17 7.83 35 5.8 6.50 34.1 Schroon L-S 8/26/2012 30.0 5.00 5.1 5.0006 0.07 0.03 0.15 59.60 17 7.83 35 5.8 6.50 34.1 Schroon L-S 8/26/2012 30.0 5.00 5.1 5.0006 0.07 0.03 0.15 59.60 17 7.83 35 5.8 6.50 34.1 Schroon L-S 8/26/2012 30.0 5.00 5.1 5.0006 0.00 0.02 0.19 81.96 6.8 7.5 96 2.20 34.1 Schroon L-S 8/26/2012 30.0 5.00 5.1 5.0006 0.00 0.02 0.19 81.96				42.0	3.85		0.006	0.02	0.02	0.13		26	7.65	78		
34.1 Schroon L-S B/24/2010 34.0 3.95 0.017 0.05 0.05 0.04 0.061 20 7.00 62 6.1 3.30 34.1 Schroon L-S 10/10/2010 5.75 1.5 0.020 0.05 0.05 0.08 13 7.80 83 0.50 34.1 Schroon L-S 77/10/2011 5.75 1.5 0.020 0.05 0.05 0.33 36.02 12 7.32 83 1.00 34.1 Schroon L-S 77/10/2011 5.75 1.5 0.018 0.00 0.02 0.22 22 78 850 93 4.2 0.10 34.1 Schroon L-S 77/10/2011 5.15 1.5 0.018 0.04 0.29 58.27 32 7.13 57 0.22 34.1 Schroon L-S 77/10/2011 5.15 1.5 0.011 0.08 0.04 0.29 58.27 32 7.13 57 0.22 34.1 Schroon L-S 8/13/2011 3.05 1.5 0.011 0.08 0.04 0.15 31.76 23 8.22 60 0.40 34.1 Schroon L-S 8/13/2011 3.65 1.5 0.010 0.06 0.04 0.29 61.56 7.36 65 55 0.05 34.1 Schroon L-S 8/13/2011 3.05 1.5 0.010 0.06 0.04 0.29 61.56 7.36 65 55 0.05 34.1 Schroon L-S 10/9/2011 3.10 1.5 0.009 0.07 0.03 0.08 0.08 3.08 3.07 7.13 57 0.10 34.1 Schroon L-S 8/12/2012 30.0 5.49 5.5 0.006 0.07 0.03 0.05 59.60 17 7.83 35 5.6 5.0 34.1 Schroon L-S 8/12/2012 30.0 5.40 1.5 0.006 0.07 0.03 0.24 86.92 10 8.77 91 0.30 34.1 Schroon L-S 8/12/2012 30.0 5.00 1.5 0.006 0.02 0.03 0.24 86.92 10 8.77 91 0.30 34.1 Schroon L-S 8/12/2012 30.0 5.00 1.5 0.006 0.01 0.03 0.04 0.05 1.05 0.006 0.02 0.03 0.24 86.92 10 8.77 91 0.30 34.1 Schroon L-S 8/12/2012 30.0 5.00 5.5 0.006 0.01 0.01 0.03 0.06 1.7 7.83 35 5.0 0.006 0.01 0.01 0.01 0.01 0.01 0.02 0.03 0.04 0.05 0.0	34.1	Schroon L-S	8/12/2010	48.0	4.45		0.009	0.02	0.04	0.35	88.50	16	7.29	85		2.10
34.1 Schroon L.S 10/10/2010 5.75 1.5 0.020 0.05 0.05 0.33 36.02 12 7.32 83 1.00 34.1 Schroon L.S 7/19/2011 5.20 1.5 0.011 0.08 0.04 0.27 32.82 27 8.30 93 4.2 0.01 34.1 Schroon L.S 7/19/2011 5.20 1.5 0.011 0.08 0.04 0.29 58.27 32 7.13 57 0.20 34.1 Schroon L.S 8/19/2011 5.15 1.5 0.011 0.08 0.04 0.15 31.75 23 8.22 0.0 0.40 34.1 Schroon L.S 8/19/2011 3.65 1.5 0.010 0.06 0.04 0.29 58.27 32 7.13 57 0.06 34.1 Schroon L.S 8/31/2011 3.65 1.5 0.010 0.06 0.04 0.29 61.56 7.36 65 5.5 0.05 34.1 Schroon L.S 8/31/2011 3.90 1.5 0.013 0.10 0.03 0.28 45.83 30 7.13 57 0.05 34.1 Schroon L.S 8/32/2012 30.5 4.95 1.5 0.006 0.07 0.03 0.28 45.83 30 7.13 57 0.05 34.1 Schroon L.S 6/28/2012 30.6 4.95 1.5 0.006 0.07 0.03 0.28 45.83 30 7.13 57 0.05 34.1 Schroon L.S 7/22/2012 30.0 5.40 1.5 0.006 0.07 0.03 0.15 59.60 17 7.83 35 58.65 34.1 Schroon L.S 8/12/2012 3.00 5.20 1.5 0.006 0.07 0.03 0.24 86.92 10 8.77 91 0.30 34.1 Schroon L.S 8/12/2012 3.00 5.20 1.5 0.006 0.07 0.03 0.24 86.92 10 8.77 91 0.30 34.1 Schroon L.S 8/12/2012 3.00 4.08 1.5 0.006 0.01 0.02 0.19 81.96 6 8.75 96 2.20 34.1 Schroon L.S 8/12/2013 3.30 4.08 1.5 0.006 0.01 0.02 0.19 81.96 6 8.75 96 2.20 34.1 Schroon L.S 8/12/2013 3.30 4.05 1.5 0.006 0.01 0.02 0.13 44.00 26 8.32 61 3.10 34.1 Schroon L.S 8/12/2013 3.30 3.05 3.5 5.000 0.001 0.02 0.13 44.00 26 8.32 61 3.10 34.1 Schroon L.S 8/12/2013 3.30 3.05 3.5 5.000 0.001 0.02 0.13 44.00 26 8.32 61 3.10 34.1 Schroon L.S 8/12/2003 3.05 3.05 0.004 0.10 0.01 0.02 0.13 4.00 0.00 0.00 0.00	34.1	Schroon L-S	8/24/2010	44.0	4.95		0.017	0.05	0.05	0.40	50.61	20	7.00		6.1	3.30
34.1 Schroon L.S 7/10/2011 6.15 1.5 0.018 0.17 0.04 0.27 32.82 27 8.50 93 4.2 0.10	34.1	Schroon L-S	9/7/2010		5.25	1.5	0.025	0.01	0.02	0.18	16.08	13	7.80	83		0.50
34.1 Schroon L-S 7/31/2011 5.20 1.5 0.011 0.08 0.04 0.29 58.27 3.2 7.13 57 0.20 34.1 Schroon L-S 8/13/2011 5.15 1.5 0.011 0.08 0.04 0.15 31.75 23 8.22 60 0.40 34.1 Schroon L-S 8/13/2011 3.65 1.5 0.010 0.06 0.04 0.29 61.56 7.36 65 5.5 0.05 34.1 Schroon L-S 8/13/2011 3.90 1.5 0.010 0.06 0.04 0.29 61.56 7.36 65 5.5 0.05 34.1 Schroon L-S 10/9/2011 3.10 1.5 0.000 0.02 0.03 0.28 45.83 30 7.13 57 0.10 34.1 Schroon L-S 10/9/2011 3.10 1.5 0.000 0.07 0.03 0.28 45.83 30 7.13 57 0.10 34.1 Schroon L-S 10/9/2011 3.10 1.5 0.000 0.07 0.03 0.28 45.83 30 7.13 57 0.10 34.1 Schroon L-S 6/2/2012 3.0.6 40 1.5 0.000 0.07 0.03 0.15 59.60 17 7.83 35 58 65.5 0.05 34.1 Schroon L-S 8/2/2012 3.0.6 40 1.5 0.000 0.07 0.03 0.15 59.60 17 7.83 35 58 65 3.15 3	34.1	Schroon L-S	10/10/2010		5.75	1.5	0.020	0.05	0.05	0.33	36.02	12	7.32	83		1.00
34.1 Schroon L-S 7/31/2011 5.15 1.5 0.011 0.08 0.04 0.15 31.75 23 8.22 60 0.40	34.1	Schroon L-S	7/10/2011		6.15	1.5	0.018	0.17	0.04	0.27	32.82	27	8.50	93	4.2	0.10
34.1 Schroon L.S 8/19/2011 4.30 1.5 0.009 0.02 0.02 0.23 58.00 20 7.78 70 0.60	34.1	Schroon L-S	7/19/2011		5.20	1.5	0.011	0.08	0.04	0.29	58.27	32	7.13	57		0.20
34.1 Schroon L-S 8/31/2011 3.65 1.5 0.010 0.06 0.04 0.29 61.56 7.36 65 5.5 0.05 34.1 Schroon L-S 9/18/2011 3.90 1.5 0.013 0.10 0.03 0.28 45.83 30 7.13 57 0.10 34.1 Schroon L-S 6/28/2012 30.5 4.95 1.5 0.009 0.07 0.03 0.31 78.53 28 7.52 41 0.40 34.1 Schroon L-S 6/28/2012 30.5 4.95 1.5 0.006 0.07 0.03 0.15 59.60 17 7.83 35 5.8 6.50 34.1 Schroon L-S 8/12/2012 30.0 5.40 1.5 0.006 0.07 0.03 0.15 59.60 17 7.83 35 5.8 6.50 34.1 Schroon L-S 8/12/2012 30.0 5.20 1.5 0.006 0.02 0.03 0.24 86.92 10 8.77 91 0.30 34.1 Schroon L-S 8/26/2012 30.0 4.68 1.5 0.001 0.01 0.02 0.19 81.96 6 8.75 96 2.20 34.1 Schroon L-S 8/26/2012 30.0 4.08 1.5 0.011 0.14 0.20 1.40 0.91 0.675 73 6.7 2.10 34.1 Schroon L-S 9/16/2012 30.0 5.08 1.5 0.001 0.14 0.20 1.40 0.91 0.675 73 6.7 2.10 34.1 Schroon L-S 9/16/2012 30.0 5.08 1.5 0.004 0.01 0.03 0.26 145.20 13 7.25 75 0.80 34.1 Schroon L-S 9/16/2012 30.0 5.08 1.5 0.006 0.01 0.02 0.13 44.00 26 8.32 61 3.10 34.1 Schroon L-S 8/19/2013 33.0 3.80 1.5 0.009 0.01 0.02 0.13 44.00 26 8.32 61 3.10 34.1 Schroon L-S 8/19/2013 33.0 3.00 3.00 0.004 0.10 0.01 0.34 37.94 20 7.96 30 2.20 34.1 Schroon L-S 8/19/2013 33.0 30.5 0.004 0.16 0.02 0.15 36.88 3.34 3.41 3.	34.1	Schroon L-S	7/31/2011		5.15	1.5	0.011	0.08	0.04	0.15	31.75	23	8.22	60		0.40
34.1 Schroon L-S 9/18/2011 3.90 1.5 0.013 0.10 0.03 0.28 45.83 30 7.13 57 0.10 0.41 0.40 34.1 Schroon L-S 6/28/2012 30.5 4.95 1.5 0.006 0.07 0.03 0.15 59.60 17 7.83 35 5.8 6.50 34.1 Schroon L-S 6/28/2012 30.5 4.95 1.5 0.006 0.07 0.03 0.15 59.60 17 7.83 35 5.8 6.50 34.1 Schroon L-S 8/12/2012 30.0 5.40 1.5 0.006 0.07 0.03 0.15 59.60 17 7.83 35 5.8 6.50 34.1 Schroon L-S 8/12/2012 30.0 5.20 1.5 0.006 0.02 0.03 0.24 8.89 2 10 8.77 91 0.30 34.1 Schroon L-S 8/26/2012 30.0 4.68 1.5 0.006 0.02 0.03 0.24 8.89 2 10 8.77 91 0.30 34.1 Schroon L-S 9/4/2012 30.0 4.68 1.5 0.006 0.01 0.02 0.19 81.96 6 8.75 96 2.20 34.1 Schroon L-S 9/4/2012 30.0 4.08 1.5 0.004 0.01 0.02 0.19 81.96 6 8.75 96 2.20 34.1 Schroon L-S 9/4/2012 30.0 5.08 1.5 0.004 0.01 0.03 0.26 145.20 13 7.25 75 0.80 34.1 Schroon L-S 7/2/12013 30.2 2.55 1.5 0.006 0.01 0.02 0.13 44.00 26 8.32 61 3.10 34.1 Schroon L-S 8/19/2013 33.0 2.55 1.5 0.006 0.01 0.02 0.13 44.00 26 8.32 61 3.10 34.1 Schroon L-S 8/18/2003 30.5 0.004 0.16 0.02 0.15 36.88 34.1 Schroon L-S 8/18/2003 30.5 0.004 0.16 0.02 0.15 36.88 34.1 Schroon L-S 8/18/2003 30.5 0.004 0.10 0.02 0.13 43.73.96 34.1 Schroon L-S 8/18/2003 30.5 0.004 0.10 0.01 0.28 73.96 34.1 Schroon L-S 8/18/2003 30.5 0.004 0.10 0.00 0.26 72.43 34.1 Schroon L-S 8/18/2003 30.5 0.004 0.10 0.01 0.28 73.96 34.1 Schroon L-S 8/18/2003 30.5 0.004 0.10 0.00	34.1	Schroon L-S	8/19/2011		4.30	1.5	0.009	0.02	0.02	0.23	58.00	20	7.78	70		0.60
34.1 Schroon L-S 10/9/2011 3.10 1.5 0.009 0.07 0.03 0.31 78.53 28 7.52 41 0.40	34.1	Schroon L-S	8/31/2011		3.65	1.5	0.010	0.06	0.04	0.29	61.56		7.36	65	5.5	0.05
34.1 Schroon L-S 6/28/2012 30.5 4.95 1.5 0.006 0.07 0.03 0.15 59.60 17 7.83 35 5.8 6.50	34.1	Schroon L-S	9/18/2011		3.90	1.5	0.013	0.10	0.03	0.28	45.83	30	7.13	57		0.10
34.1 Schroon LS 7/22/2012 3.0. 5.40 1.5 0.006 0.02 0.33 0.24 86.92 10 8.77 91 0.30 34.1 Schroon LS 8/26/2012 30.0 4.08 1.5 0.006 0.01 0.02 0.03 81.96 6 8.75 96 2.20 34.1 Schroon LS 9/4/2012 30.0 4.08 1.5 0.006 0.01 0.02 0.19 81.96 6 8.75 96 2.20 34.1 Schroon LS 9/4/2012 30.0 4.08 1.5 0.004 0.01 0.14 0.20 14.09 10 6.75 73 6.7 2.10 34.1 Schroon LS 7/21/2013 30.0 5.08 1.5 0.004 0.01 0.03 0.26 145.20 13 7.25 75 0.80 34.1 Schroon LS 7/31/2013 33.0 2.55 1.5 0.006 0.01 0.02 0.13 44.00 26 8.32 61 3.10 34.1 Schroon LS 9/18/2013 33.0 3.80 1.5 0.009 0.03 89.799 26 7.75 6.6 2.50 34.1 Schroon LS 9/18/2013 33.0 4.10 1.5 0.006 0.01 0.01 0.34 137.94 20 7.96 30 2.20 34.1 Schroon LS 8/18/2003 30.5 0.004 0.17 0.02 0.36 96.23 34.1 Schroon LS 7/21/2003 30.5 0.004 0.17 0.02 0.36 96.23 34.1 Schroon LS 7/22/2003 30.5 0.004 0.17 0.02 0.36 96.23 34.1 Schroon LS 7/22/2003 30.5 0.004 0.17 0.02 0.36 96.23 34.1 Schroon LS 8/19/2003 30.5 0.004 0.17 0.02 0.36 96.23 34.1 Schroon LS 7/22/2003 30.5 0.004 0.17 0.02 0.36 96.23 34.1 Schroon LS 8/19/2003 30.5 0.004 0.10 0.01 0.28 73.96 34.1 Schroon LS 8/19/2003 30.5 0.004 0.10 0.01 0.28 73.96 34.1 Schroon LS 9/19/2003 30.5 0.004 0.10 0.01 0.28 73.96 34.1 Schroon LS 9/19/2003 30.5 0.004 0.10 0.01 0.28 73.96 34.1 Schroon LS 9/19/2003 30.5 0.004 0.10 0.01 0.28 73.96 34.1 Schroon LS 9/19/2003 30.5 0.004 0.05 0.01 0.14 32.65 34.1 Schroon LS 9/19/2004 34.5 30.5 0.004 0.05 0.01 0.14 32.65 34.1 Schroon LS 9/19/2004 34.5 30.5 0.004 0.05 0.01 0.14 32.65 34.1 Schroon LS 8/19/2004 36.0 30.5 0.004 0.05 0.01 0.	34.1	Schroon L-S	10/9/2011		3.10	1.5	0.009	0.07	0.03	0.31	78.53	28	7.52	41		0.40
34.1 Schroon L-S 8/12/2012 30.0 5.20 1.5 0.006 0.02 0.03 0.24 86.92 10 8.77 91 0.30 34.1 Schroon L-S 8/26/2012 30.0 4.68 1.5 0.005 0.01 0.02 0.19 81.96 6 8.75 96 2.20 34.1 Schroon L-S 9/4/2012 30.0 4.08 1.5 0.001 0.14 0.20 14.09 10 6.75 73 6.7 2.10 34.1 Schroon L-S 9/16/2012 30.0 5.08 1.5 0.004 0.01 0.03 0.26 145.20 13 7.25 75 0.80 34.1 Schroon L-S 7/21/2013 33.0 2.55 1.5 0.006 0.01 0.02 0.13 44.00 26 8.32 61 3.10 34.1 Schroon L-S 8/19/2013 33.0 3.80 1.5 0.009 0.38 97.99 26 7.75 66 2.50 34.1 Schroon L-S 8/19/2013 33.0 3.80 1.5 0.009 0.38 97.99 26 7.75 66 2.50 34.1 Schroon L-S 6/24/2003 30.5 0.004 0.16 0.02 0.15 36.88 34.1 Schroon L-S 7/8/2003 30.5 0.004 0.16 0.02 0.15 36.88 34.1 Schroon L-S 8/19/2013 30.0 30.5 0.004 0.17 0.02 0.36 96.23 34.1 Schroon L-S 8/19/2003 30.5 0.003 0.17 0.01 0.27 80.33 3.3 3.41 Schroon L-S 8/19/2003 30.5 0.003 0.01 0.02 0.27 80.33 3.3 3.41 Schroon L-S 8/19/2003 30.5 0.004 0.10 0.01 0.28 73.96 3.41 Schroon L-S 8/19/2003 30.5 0.004 0.10 0.01 0.28 73.96 3.41 Schroon L-S 8/19/2003 30.5 0.004 0.05 0.01 0.14 32.65 3.41 Schroon L-S 8/19/2003 30.5 0.004 0.05 0.01 0.14 32.65 3.41 Schroon L-S 8/19/2003 30.5 0.004 0.05 0.01 0.14 32.65 3.41 Schroon L-S 8/19/2003 30.5 0.004 0.05 0.01 0.14 32.65 3.41 Schroon L-S 8/19/2003 30.5 0.004 0.05 0.01 0.14 32.65 3.41 Schroon L-S 8/19/2003 30.5 0.004 0.05 0.01 0.14 32.65 3.41 Schroon L-S 8/19/2004 34.4 0.007 0.17 0.02 0.43 64.33 3.41 Schroon L-S 8/19/2004 34.5 30.5 0.004 0.05 0.01 0.04 29.149 3.41 Schroon L-S 8/19/2004 36.0 30.5 0.004 0.05 0.01 0.25 75.	34.1	Schroon L-S	6/28/2012	30.5	4.95	1.5	0.006	0.07	0.03	0.15	59.60	17	7.83	35	5.8	6.50
34.1 Schroon L-S 3/26/2012 30.0 4.68 1.5 0.005 0.01 0.02 0.19 81.96 6 8.75 96 2.20	34.1	Schroon L-S	7/22/2012	30.0	5.40	1.5		0.01	0.02	0.21	8.78	19	7.67	41		0.10
34.1 Schroon L-S 9/4/2012 30.0 4.08 1.5 0.01 0.14 0.20 14.09 10 6.75 73 6.7 2.10	34.1	Schroon L-S	8/12/2012	30.0	5.20	1.5	0.006	0.02	0.03	0.24	86.92	10	8.77	91		0.30
34.1 Schroon L-S 9/16/2012 30.0 5.08 1.5 0.004 0.01 0.03 0.26 145.20 13 7.25 75 0.80 34.1 Schroon L-S 772/12013 33.0 2.55 1.5 0.006 0.01 0.02 0.13 44.00 26 8.32 61 3.10 34.1 Schroon L-S 8/19/2013 33.0 2.55 1.5 0.006 0.01 0.02 0.13 44.00 26 8.32 61 3.10 34.1 Schroon L-S 8/19/2013 33.0 3.80 1.5 0.009 0.38 97.99 26 7.75 66 2.50 34.1 Schroon L-S 9/18/2013 33.0 4.10 1.5 0.006 0.01 0.01 0.34 137.94 20 7.96 30 2.20 34.1 Schroon L-S 6/24/2003 30.5 0.004 0.16 0.02 0.15 36.88 30 34.1 Schroon L-S 7/8/2003 30.5 0.004 0.16 0.02 0.15 36.88 30 34.1 Schroon L-S 7/8/2003 30.5 0.004 0.17 0.02 0.36 96.23 34.1 Schroon L-S 8/5/2003 30.5 0.004 0.10 0.01 0.28 73.96 34.1 Schroon L-S 8/19/2003 30.5 0.004 0.10 0.01 0.28 73.96 34.1 Schroon L-S 8/19/2003 30.5 0.004 0.03 0.01 0.26 72.43 34.1 Schroon L-S 9/1/2003 30.5 0.004 0.03 0.01 0.26 72.43 34.1 Schroon L-S 9/1/2003 30.5 0.004 0.05 0.01 0.14 32.65 34.1 Schroon L-S 9/1/2003 30.5 0.004 0.05 0.01 0.14 32.65 34.1 Schroon L-S 9/30/2003 30.5 0.004 0.24 0.01 0.42 95.82 34.1 Schroon L-S 6/11/2004 34.4 30.5 0.004 0.24 0.01 0.42 95.82 34.1 Schroon L-S 6/11/2004 34.4 30.5 0.003 0.14 0.02 0.24 95.72 34.1 Schroon L-S 7/71/2004 34.4 30.5 0.004 0.25 0.03 1.04 291.49 34.1 Schroon L-S 7/1/2004 34.5 30.5 0.003 0.14 0.03 0.25 75.72 34.1 Schroon L-S 8/18/2004 36.0 30.5 0.004 0.15 0.01 0.25 108.94 34.1 Schroon L-S 8/18/2004 36.0 30.5 0.004 0.15 0.01 0.25 108.94 34.1 Schroon L-S 8/18/2004 36.0 30.5 0.006 0.15 0.01 0.25 108.94 34.1 Schroon L-S 8/18/2006 36.0 30.5 0.006 0.007 34.1 Schro	34.1	Schroon L-S	8/26/2012	30.0	4.68	1.5	0.005	0.01	0.02	0.19	81.96	6	8.75	96		2.20
34.1 Schroon L-S 7/21/2013 33.0 2.55 1.5 0.006 0.01 0.02 0.13 44.00 26 8.32 61 3.10	34.1	Schroon L-S	9/4/2012	30.0	4.08	1.5		0.01	0.14	0.20	14.09	10	6.75	73	6.7	2.10
34.1 Schroon L-S 7/31/2013 33.0 2.55 1.5 0.006 0.01 0.02 0.13 44.00 26 8.32 61 3.10	34.1	Schroon L-S	9/16/2012	30.0	5.08	1.5	0.004	0.01	0.03	0.26	145.20	13	7.25	75		0.80
34.1 Schroon L-S 9/19/2013 33.0 3.80 1.5 0.009 0.01 0.01 0.38 97.99 26 7.75 66 2.50	34.1	Schroon L-S	7/21/2013													
34.1 Schroon L-S 9/18/2013 33.0 4.10 1.5 0.006 0.01 0.01 0.34 137.94 20 7.96 30 2.20 34.1 Schroon L-S 6/24/2003 30.5 0.004 0.16 0.02 0.15 36.88 34.1 Schroon L-S 7/8/2003 30.5 0.004 0.17 0.02 0.36 96.23 34.1 Schroon L-S 7/22/2003 30.5 0.003 0.17 0.01 0.27 30.33 34.1 Schroon L-S 8/5/2003 34.0 0.004 0.10 0.01 0.28 73.96 34.1 Schroon L-S 8/5/2003 30.5 0.004 0.10 0.01 0.28 73.96 34.1 Schroon L-S 9/2/2003 30.5 0.004 0.03 0.01 0.26 72.43 34.1 Schroon L-S 9/17/2003 30.5 0.004 0.03 0.01 0.26 72.43 34.1 Schroon L-S 9/17/2003 30.5 0.004 0.05 0.01 0.14 32.65 34.1 Schroon L-S 9/17/2003 30.5 0.004 0.05 0.01 0.14 32.65 34.1 Schroon L-S 6/23/2004 34.4 0.007 0.18 0.002 0.45 64.33 34.1 Schroon L-S 6/23/2004 34.4 0.007 0.17 0.02 0.43 64.33 34.1 Schroon L-S 6/23/2004 34.4 30.5 0.004 0.25 0.03 1.04 291.49 34.1 Schroon L-S 8/18/2004 34.4 30.5 0.004 0.25 0.03 1.04 291.49 34.1 Schroon L-S 8/18/2004 34.5 30.5 0.003 0.14 0.03 0.25 75.72 34.1 Schroon L-S 8/18/2004 36.0 30.5 0.002 0.15 0.01 0.27 69.27 34.1 Schroon L-S 8/18/2004 36.0 30.5 0.004 0.15 0.01 0.27 69.27 34.1 Schroon L-S 8/18/2004 36.0 30.5 0.004 0.15 0.01 0.27 69.27 34.1 Schroon L-S 8/18/2004 36.0 30.5 0.004 0.15 0.01 0.27 69.27 34.1 Schroon L-S 8/21/2005 30.5 0.004 0.004 0.004 0.007 30.10	34.1	Schroon L-S	7/31/2013	33.0	2.55	1.5	0.006	0.01	0.02	0.13	44.00	26	8.32	61		3.10
34.1 Schroon L-S 6/24/2003 30.5 0.004 0.16 0.02 0.15 36.88 34.1 Schroon L-S 7/8/2003 30.5 0.004 0.17 0.02 0.36 96.23 34.1 Schroon L-S 7/22/2003 30.5 0.003 0.17 0.01 0.27 80.33 34.1 Schroon L-S 8/5/2003 34.0 0.004 0.10 0.01 0.28 73.96 34.1 Schroon L-S 8/5/2003 30.5 0.004 0.03 0.01 0.26 72.43 34.1 Schroon L-S 9/17/2003 30.5 0.004 0.03 0.01 0.26 72.43 34.1 Schroon L-S 9/17/2003 30.5 0.004 0.05 0.01 0.14 32.65 34.1 Schroon L-S 9/17/2003 30.5 0.004 0.05 0.01 0.14 32.65 34.1 Schroon L-S 9/17/2003 30.5 0.004 0.05 0.01 0.14 32.65 34.1 Schroon L-S 9/30/2003 30.5 0.004 0.24 0.01 0.42 95.82 34.1 Schroon L-S 6/12/2004 34.4 0.007 0.17 0.02 0.43 64.33 34.1 Schroon L-S 6/23/2004 34.7 30.5 0.003 0.14 0.02 0.24 95.72 34.1 Schroon L-S 7/7/2004 34.4 30.5 0.004 0.25 0.03 1.04 291.49 34.1 Schroon L-S 7/7/2004 34.5 30.5 0.003 0.14 0.03 0.25 75.72 34.1 Schroon L-S 8/18/2004 35.1 30.5 0.003 0.14 0.03 0.25 75.72 34.1 Schroon L-S 8/18/2004 36.0 30.5 0.002 0.15 0.01 0.25 108.94 34.1 Schroon L-S 8/18/2004 36.0 30.5 0.004 0.15 0.01 0.27 69.27 34.1 Schroon L-S 8/18/2004 36.0 30.5 0.004 0.15 0.01 0.27 69.27 34.1 Schroon L-S 8/21/2005 25.0 0.004 34.1 Schroon L-S 8/21/2005 25.0 0.001 34.1 Schroon L-S 8/21/2005 25.0 0.006 34.1 Schroon L-S 8/21/2005 30.5 0.007 34.1 Schroon L-S 8/21/2006 36.	34.1	Schroon L-S	8/19/2013	33.0	3.80	1.5	0.009			0.38	97.99	26	7.75	66		2.50
34.1 Schroon L-S 7/8/2003 30.5 0.004 0.17 0.02 0.36 96.23	34.1	Schroon L-S	9/18/2013	33.0	4.10	1.5	0.006	0.01	0.01	0.34	137.94	20	7.96	30		2.20
34.1 Schroon L-S 7/22/2003 30.5 0.003 0.17 0.01 0.27 80.33 34.1 Schroon L-S 8/5/2003 34.0 0.004 0.10 0.01 0.28 73.96 34.1 Schroon L-S 8/19/2003 30.5 0.004 0.03 0.01 0.26 72.43 34.1 Schroon L-S 9/17/2003 30.5 0.007 0.18 0.00 0.45 63.58 34.1 Schroon L-S 9/17/2003 30.5 0.004 0.05 0.01 0.14 32.65 34.1 Schroon L-S 9/30/2003 30.5 0.004 0.05 0.01 0.14 32.65 34.1 Schroon L-S 9/30/2003 30.5 0.004 0.24 0.01 0.42 95.82 34.1 Schroon L-S 6/11/2004 34.4 0.007 0.17 0.02 0.43 64.33 34.1 Schroon L-S 6/23/2004 34.7 30.5 0.003 0.14 0.02 0.24 95.72 34.1 Schroon L-S 7/7/2004 34.4 30.5 0.004 0.25 0.03 1.04 291.49 34.1 Schroon L-S 7/21/2004 34.5 30.5 0.003 0.14 0.03 0.25 75.72 34.1 Schroon L-S 8/4/2004 35.1 30.5 0.003 0.14 0.03 0.25 75.72 34.1 Schroon L-S 8/4/2004 35.1 30.5 0.005 0.18 0.02 0.41 87.92 34.1 Schroon L-S 8/18/2004 36.0 30.5 0.002 0.15 0.01 0.25 108.94 34.1 Schroon L-S 9/14/2004 36.0 30.5 0.004 0.15 0.01 0.27 69.27 34.1 Schroon L-S 9/14/2004 36.0 30.5 0.004 0.15 0.01 0.27 69.27 34.1 Schroon L-S 8/16/2005 30.5 0.004 0.45 108.66 34.1 Schroon L-S 8/16/2005 25.0 0.001 34.1 Schroon L-S 8/16/2005 25.0 0.013 34.1 Schroon L-S 8/16/2005 25.0 0.013 34.1 Schroon L-S 8/16/2005 25.0 0.013 34.1 Schroon L-S 8/16/2006 34.8 30.5 0.006 34.1 Schroon L-S 8/16/2006 36.0 30.5 0.007 34.1 Schroon L-S 8/16/2006 36.0 30.5 0.007 34.1 Schroon L-S 8/16/2006 36.0 30.5 0.000 30.5 0.000 34.1 Schroon L-S 8/16/2006 36.0 30.5	34.1	Schroon L-S				30.5	0.004	0.16	0.02	0.15	36.88					
34.1 Schroon L-S 8/5/2003 34.0 0.004 0.10 0.01 0.28 73.96	34.1	Schroon L-S	7/8/2003			30.5	0.004	0.17	0.02	0.36						
34.1 Schroon L-S 8/19/2003 30.5 0.004 0.03 0.01 0.26 72.43 34.1 Schroon L-S 9/2/2003 30.5 0.007 0.18 0.00 0.45 63.58 34.1 Schroon L-S 9/30/2003 30.5 0.004 0.05 0.01 0.14 32.65 34.1 Schroon L-S 8/30/2003 30.5 0.004 0.24 0.01 0.42 95.82 34.1 Schroon L-S 6/23/2004 34.7 30.5 0.004 0.24 0.01 0.42 95.82 34.1 Schroon L-S 6/23/2004 34.7 30.5 0.003 0.14 0.02 0.24 95.72 34.1 Schroon L-S 7/72/2004 34.4 30.5 0.003 0.14 0.02 0.24 95.72 34.1 Schroon L-S 7/72/2004 34.4 30.5 0.0004 0.25 0.03 1.04 291.49 34.1 Schroon L-S 8/4/2004 35.1 30.5 0.003 0.14 0.03 0.25 75.72 34.1 Schroon L-S 8/4/2004 36.0 30.5 0.003 0.14 0.03 0.25 75.72 34.1 Schroon L-S 8/4/2004 36.0 30.5 0.002 0.15 0.01 0.25 108.94 34.1 Schroon L-S 9/14/2004 36.0 30.5 0.004 0.15 0.01 0.27 69.27 34.1 Schroon L-S 8/14/2004 36.0 30.5 0.004 0.45 108.66 34.1 Schroon L-S 8/14/2004 36.0 30.5 0.004 0.45 108.66 34.1 Schroon L-S 8/12/2005 30.5 0.007 34.1 Schroon L-S 8/16/2005 25.0 0.0013 34.1 Schroon L-S 8/30/2005 25.0 0.013 34.1 Schroon L-S 8/30/2005 25.0 0.006 34.1 Schroon L-S 8/30/2005 25.0 0.006 34.1 Schroon L-S 8/30/2006 36.0 30.5 0.007 34.1 Schroon L-S 8/30/2006 36.0 30.5 0.007 34.1 Schroon L-S 8/30/2006 36.0 30.5 0.0004 34.1 Schroon L-S 8/30/2006 36.0 30.5 0.0004 34.1 Schroon L-S 8/30/2006 36.0 30.5 0.0004 34.1 Schroon L-S	34.1	Schroon L-S	7/22/2003			30.5	0.003	0.17	0.01	0.27	80.33					
34.1 Schroon L-S 9/2/2003 30.5 0.007 0.18 0.00 0.45 63.58 34.1 Schroon L-S 9/17/2003 30.5 0.004 0.05 0.01 0.14 32.65 34.1 Schroon L-S 9/30/2003 30.5 0.004 0.24 0.01 0.42 95.82 34.1 Schroon L-S 6/11/2004 34.4 0.007 0.17 0.02 0.43 64.33 34.1 Schroon L-S 6/23/2004 34.7 30.5 0.003 0.14 0.02 0.24 95.72 34.1 Schroon L-S 7/7/2004 34.4 30.5 0.004 0.25 0.03 1.04 291.49 34.1 Schroon L-S 7/21/2004 34.5 30.5 0.003 0.14 0.03 0.25 75.72 34.1 Schroon L-S 8/18/2004 35.1 30.5 0.005 0.18 0.02 0.41 87.92 34.1 Schroon L-S 8/18/2004 36.0 30.5 0.002 0.15 0.01 0.25 108.94 34.1 Schroon L-S 8/18/2004 36.0 30.5 0.004 0.15 0.01 0.25 108.94 34.1 Schroon L-S 9/14/2004 36.0 30.5 0.004 0.15 0.01 0.27 69.27 34.1 Schroon L-S 9/14/2004 36.0 30.5 0.004 0.15 0.01 0.27 69.27 34.1 Schroon L-S 8/21/2005 30.5 0.007 0.45 108.66 34.1 Schroon L-S 8/21/2005 25.0 0.004 0.45 108.66 34.1 Schroon L-S 8/16/2005 25.0 0.013 0.013 0.013 0.013 0.014 0.015 0.0	34.1	Schroon L-S	8/5/2003			34.0	0.004	0.10	0.01	0.28	73.96					
34.1 Schroon L-S 9/17/2003 30.5 0.004 0.05 0.01 0.14 32.65	34.1	Schroon L-S	8/19/2003			30.5	0.004	0.03	0.01	0.26	72.43					
34.1 Schroon L-S 9/30/2003 30.5 0.004 0.24 0.01 0.42 95.82 34.1 Schroon L-S 6/11/2004 34.4 0.007 0.17 0.02 0.43 64.33 34.1 Schroon L-S 6/23/2004 34.7 30.5 0.003 0.14 0.02 0.24 95.72 34.1 Schroon L-S 7/71/2004 34.4 30.5 0.004 0.25 0.03 1.04 291.49 34.1 Schroon L-S 7/21/2004 34.5 30.5 0.003 0.14 0.03 0.25 75.72 34.1 Schroon L-S 8/4/2004 35.1 30.5 0.005 0.18 0.02 0.41 87.92 34.1 Schroon L-S 8/18/2004 36.0 30.5 0.005 0.18 0.02 0.41 87.92 34.1 Schroon L-S 9/1/2004 36.0 30.5 0.002 0.15 0.01 0.25 108.94 34.1 Schroon L-S 9/1/2004 36.0 30.5 0.004 0.15 0.01 0.27 69.27 34.1 Schroon L-S 9/14/2004 36.0 30.5 0.004 0.45 108.66 34.1 Schroon L-S 6/21/2005 30.5 0.007 34.1 Schroon L-S 8/2/2005 25.0 0.004 34.1 Schroon L-S 8/2/2005 25.0 0.013 34.1 Schroon L-S 8/30/2005 25.0 0.013 34.1 Schroon L-S 8/30/2005 25.0 0.013 34.1 Schroon L-S 8/30/2005 25.0 0.013 34.1 Schroon L-S 9/13/2005 25.0 0.012 34.1 Schroon L-S 6/28/2006 34.8 30.5 0.006 34.1 Schroon L-S 6/28/2006 34.8 30.5 0.006 34.1 Schroon L-S 8/16/2006 35.1 30.5 0.007 34.1 Schroon L-S 8/24/2006 36.0 30.5 0.004 30.5 0.004 30.	34.1	Schroon L-S	9/2/2003			30.5	0.007	0.18	0.00	0.45	63.58					
34.1 Schroon L-S 6/11/2004 34.4 0.007 0.17 0.02 0.43 64.33 34.1 Schroon L-S 6/23/2004 34.7 30.5 0.003 0.14 0.02 0.24 95.72 34.1 Schroon L-S 7/21/2004 34.4 30.5 0.004 0.25 0.03 1.04 291.49 34.1 Schroon L-S 7/21/2004 34.5 30.5 0.003 0.14 0.03 0.25 75.72 34.1 Schroon L-S 8/4/2004 35.1 30.5 0.005 0.18 0.02 0.41 87.92 34.1 Schroon L-S 8/18/2004 36.0 30.5 0.002 0.15 0.01 0.25 108.94 34.1 Schroon L-S 9/14/2004 36.0 30.5 0.004 0.15 0.01 0.27 69.27 34.1 Schroon L-S 9/14/2004 36.0 30.5 0.004 0.45 108.66 34.1 Schroon L-S 6/21/2005 30.5 0.007 34.1 Schroon L-S 8/22005 30.5 0.007 34.1 Schroon L-S 8/22005 25.0 0.004 34.1 Schroon L-S 8/16/2005 25.0 0.013 34.1 Schroon L-S 8/16/2005 25.0 0.011 34.1 Schroon L-S 8/30/2005 25.0 0.013 34.1 Schroon L-S 8/30/2005 25.0 0.013 34.1 Schroon L-S 9/27/2005 25.0 0.006 34.1 Schroon L-S 9/27/2005 25.0 0.012 34.1 Schroon L-S 8/16/2006 36.0 30.5 0.006 34.1 Schroon L-S 8/16/2006 36.0 30.5 0.007 34.1 Schroon L-S 8/10/2006 36.0 30.5 0.000 30.5 0.000 30.5 0.000	34.1															
34.1 Schroon L-S 6/23/2004 34.7 30.5 0.003 0.14 0.02 0.24 95.72 34.1 Schroon L-S 7/7/2004 34.4 30.5 0.004 0.25 0.03 1.04 291.49 34.1 Schroon L-S 7/21/2004 34.5 30.5 0.003 0.14 0.03 0.25 75.72 34.1 Schroon L-S 8/4/2004 35.1 30.5 0.005 0.18 0.02 0.41 87.92 34.1 Schroon L-S 8/18/2004 36.0 30.5 0.002 0.15 0.01 0.25 108.94 34.1 Schroon L-S 9/1/2004 36.0 30.5 0.004 0.15 0.01 0.27 69.27 34.1 Schroon L-S 8/14/2005 30.5 0.004 0.45 108.66 34.1 Schroon L-S 8/21/2005 25.0 0.004 0.45 108.66 34.1 Schroon L-S 8/22005 25.0 0.013 0.013 <td>34.1</td> <td>Schroon L-S</td> <td>9/30/2003</td> <td></td> <td></td> <td>30.5</td> <td>0.004</td> <td>0.24</td> <td>0.01</td> <td>0.42</td> <td>95.82</td> <td></td> <td></td> <td></td> <td></td> <td></td>	34.1	Schroon L-S	9/30/2003			30.5	0.004	0.24	0.01	0.42	95.82					
34.1 Schroon L-S 7/7/2004 34.4 30.5 0.004 0.25 0.03 1.04 291.49 34.1 Schroon L-S 7/21/2004 34.5 30.5 0.003 0.14 0.03 0.25 75.72 34.1 Schroon L-S 8/4/2004 35.1 30.5 0.005 0.18 0.02 0.41 87.92 34.1 Schroon L-S 8/18/2004 36.0 30.5 0.002 0.15 0.01 0.25 108.94 34.1 Schroon L-S 9/1/2004 36.0 30.5 0.002 0.15 0.01 0.27 69.27 34.1 Schroon L-S 9/14/2004 36.0 30.5 0.004 0.45 108.66 34.1 Schroon L-S 6/21/2005 30.5 0.007 0.45 108.66 34.1 Schroon L-S 8/19/2005 25.0 0.004 0.45 108.66 34.1 Schroon L-S 8/19/2005 25.0 0.004 0.004 0.004 0.00	34.1	Schroon L-S	6/11/2004			34.4	0.007	0.17	0.02	0.43	64.33					
34.1 Schroon L-S 7/21/2004 34.5 30.5 0.003 0.14 0.03 0.25 75.72 34.1 Schroon L-S 8/4/2004 35.1 30.5 0.005 0.18 0.02 0.41 87.92 34.1 Schroon L-S 8/18/2004 36.0 30.5 0.002 0.15 0.01 0.25 108.94 34.1 Schroon L-S 9/1/2004 36.0 30.5 0.004 0.15 0.01 0.27 69.27 34.1 Schroon L-S 9/14/2004 36.0 30.5 0.004 0.45 108.66 34.1 Schroon L-S 6/21/2005 30.5 0.007 0.04 0.45 108.66 34.1 Schroon L-S 8/2/2005 25.0 0.004 0.45 108.66 0.006 34.1 Schroon L-S 8/16/2005 25.0 0.004 0.013 0.006 0.001 0.006 0.001 0.001 0.001 0.001 0.006 0.006 0.006 0.006<	34.1					30.5	0.003	0.14	0.02	0.24	95.72					
34.1 Schroon L-S 8/4/2004 35.1 30.5 0.005 0.18 0.02 0.41 87.92 34.1 Schroon L-S 8/18/2004 36.0 30.5 0.002 0.15 0.01 0.25 108.94 34.1 Schroon L-S 9/1/2004 36.0 30.5 0.004 0.15 0.01 0.27 69.27 34.1 Schroon L-S 9/14/2004 36.0 30.5 0.004 0.45 108.66 34.1 Schroon L-S 6/21/2005 30.5 0.007 0.45 108.66 34.1 Schroon L-S 7/19/2005 25.0 0.004 0.45 108.66 34.1 Schroon L-S 8/2/2005 25.0 0.004 0.45 108.66 0.45 34.1 Schroon L-S 8/2/2005 25.0 0.004 0.04 0.45 108.66 0.46 0.45 108.66 0.46 0.45 108.66 0.46 0.45 108.66 0.46 0.46 0.46 0.46						30.5										
34.1 Schroon L-S 8/18/2004 36.0 30.5 0.002 0.15 0.01 0.25 108.94 34.1 Schroon L-S 9/1/2004 36.0 30.5 0.004 0.15 0.01 0.27 69.27 34.1 Schroon L-S 9/14/2004 36.0 30.5 0.004 0.45 108.66 34.1 Schroon L-S 6/21/2005 30.5 0.007 0.04 0.45 108.66 34.1 Schroon L-S 8/21/2005 25.0 0.004 <td>34.1</td> <td></td> <td></td> <td></td> <td></td> <td>30.5</td> <td></td>	34.1					30.5										
34.1 Schroon L-S 9/1/2004 36.0 30.5 0.004 0.15 0.01 0.27 69.27 34.1 Schroon L-S 9/14/2004 36.0 30.5 0.004 0.45 108.66 34.1 Schroon L-S 6/21/2005 30.5 0.007 30.5 0.007 34.1 Schroon L-S 7/19/2005 25.0 0.004 30.5 0.004 34.1 Schroon L-S 8/2/2005 25.0 0.013 30.5 0.011 34.1 Schroon L-S 8/30/2005 25.0 0.013 30.5 0.006 34.1 Schroon L-S 9/13/2005 25.0 0.006 30.5 0.006 34.1 Schroon L-S 9/27/2005 25.0 0.012 30.5 0.006 30.5 34.1 Schroon L-S 6/16/2006 34.8 30.5 0.006 30.5 0.007 30.5 0.007 30.5 0.007 30.5 0.007 30.5 0.003 30.5 0.003 30.5 0.000 30.5 0.004 30.5 0.004 30.5 0.004	34.1					30.5					87.92					
34.1 Schroon L-S 9/14/2004 36.0 30.5 0.004 0.45 108.66 34.1 Schroon L-S 6/21/2005 30.5 0.007 34.1 Schroon L-S 7/19/2005 25.0 0.004 34.1 Schroon L-S 8/2/2005 25.0 0.013 34.1 Schroon L-S 8/30/2005 25.0 0.011 34.1 Schroon L-S 9/13/2005 25.0 0.006 34.1 Schroon L-S 9/27/2005 25.0 0.012 34.1 Schroon L-S 9/27/2005 25.0 0.012 34.1 Schroon L-S 6/16/2006 34.8 30.5 0.006 34.1 Schroon L-S 6/28/2006 36.0 30.5 0.007 34.1 Schroon L-S 8/10/2006 35.1 30.5 0.003 34.1 Schroon L-S 8/24/2006 36.0 30.5 0.004 34.1 Schroon L-S 9/7/2006 36.0						30.5										
34.1 Schroon L-S 6/21/2005 30.5 0.007 34.1 Schroon L-S 7/19/2005 25.0 0.004 34.1 Schroon L-S 8/2/2005 25.0 0.013 34.1 Schroon L-S 8/16/2005 25.0 0.011 34.1 Schroon L-S 8/30/2005 25.0 0.013 34.1 Schroon L-S 9/13/2005 25.0 0.006 34.1 Schroon L-S 9/27/2005 25.0 0.012 34.1 Schroon L-S 6/16/2006 34.8 30.5 0.006 34.1 Schroon L-S 6/28/2006 36.0 30.5 0.007 34.1 Schroon L-S 8/10/2006 35.1 30.5 0.003 34.1 Schroon L-S 8/24/2006 36.0 30.5 0.010 34.1 Schroon L-S 9/7/2006 36.0 30.5 0.004 34.1 Schroon L-S 9/20/2006 36.0 30.5 0.004 34.1 Schroon L-S 9/20/2006 36.0 30.5 0.004						30.5		0.15	0.01	0.27	69.27					
34.1 Schroon L-S 7/19/2005 25.0 0.004 34.1 Schroon L-S 8/26005 25.0 0.013 34.1 Schroon L-S 8/16/2005 25.0 0.011 34.1 Schroon L-S 8/30/2005 25.0 0.013 34.1 Schroon L-S 9/13/2005 25.0 0.006 34.1 Schroon L-S 9/27/2005 25.0 0.012 34.1 Schroon L-S 6/16/2006 34.8 30.5 0.006 34.1 Schroon L-S 6/28/2006 36.0 30.5 0.007 34.1 Schroon L-S 8/10/2006 35.1 30.5 0.003 34.1 Schroon L-S 8/24/2006 36.0 30.5 0.010 34.1 Schroon L-S 9/7/2006 36.0 30.5 0.004 34.1 Schroon L-S 9/20/2006 36.0 30.5 0.004 34.1 Schroon L-S 9/20/2006 36.0	34.1			36.0		30.5	0.004			0.45	108.66					
34.1 Schroon L-S 8/2/2005 25.0 0.013 34.1 Schroon L-S 8/16/2005 25.0 0.011 34.1 Schroon L-S 8/30/2005 25.0 0.013 34.1 Schroon L-S 9/13/2005 25.0 0.006 34.1 Schroon L-S 9/27/2005 25.0 0.012 34.1 Schroon L-S 6/16/2006 34.8 30.5 0.006 34.1 Schroon L-S 6/28/2006 36.0 30.5 0.007 34.1 Schroon L-S 8/10/2006 35.1 30.5 0.003 34.1 Schroon L-S 8/24/2006 36.0 30.5 0.010 34.1 Schroon L-S 9/7/2006 36.0 30.5 0.004 34.1 Schroon L-S 9/20/2006 36.0 30.5 0.009																
34.1 Schroon L-S 8/16/2005 25.0 0.011 34.1 Schroon L-S 8/30/2005 25.0 0.013 34.1 Schroon L-S 9/13/2005 25.0 0.006 34.1 Schroon L-S 9/27/2005 25.0 0.012 34.1 Schroon L-S 6/16/2006 34.8 30.5 0.006 34.1 Schroon L-S 6/28/2006 36.0 30.5 0.007 34.1 Schroon L-S 8/10/2006 35.1 30.5 0.003 34.1 Schroon L-S 8/24/2006 36.0 30.5 0.010 34.1 Schroon L-S 9/7/2006 36.0 30.5 0.004 34.1 Schroon L-S 9/20/2006 36.0 30.5 0.009																
34.1 Schroon L-S 8/30/2005 25.0 0.013 34.1 Schroon L-S 9/13/2005 25.0 0.006 34.1 Schroon L-S 9/27/2005 25.0 0.012 34.1 Schroon L-S 6/16/2006 34.8 30.5 0.006 34.1 Schroon L-S 6/28/2006 36.0 30.5 0.007 34.1 Schroon L-S 8/10/2006 35.1 30.5 0.003 34.1 Schroon L-S 8/24/2006 36.0 30.5 0.010 34.1 Schroon L-S 9/7/2006 36.0 30.5 0.004 34.1 Schroon L-S 9/20/2006 36.0 30.5 0.009							0.013									
34.1 Schroon L-S 9/13/2005 25.0 0.006 34.1 Schroon L-S 9/27/2005 25.0 0.012 34.1 Schroon L-S 6/16/2006 34.8 30.5 0.006 34.1 Schroon L-S 6/28/2006 36.0 30.5 0.007 34.1 Schroon L-S 8/10/2006 35.1 30.5 0.003 34.1 Schroon L-S 8/24/2006 36.0 30.5 0.010 34.1 Schroon L-S 9/7/2006 36.0 30.5 0.004 34.1 Schroon L-S 9/20/2006 36.0 30.5 0.009																
34.1 Schroon L-S 9/27/2005 25.0 0.012 34.1 Schroon L-S 6/16/2006 34.8 30.5 0.006 34.1 Schroon L-S 6/28/2006 36.0 30.5 0.007 34.1 Schroon L-S 8/10/2006 35.1 30.5 0.003 34.1 Schroon L-S 8/24/2006 36.0 30.5 0.010 34.1 Schroon L-S 9/7/2006 36.0 30.5 0.004 34.1 Schroon L-S 9/20/2006 36.0 30.5 0.009	34.1					25.0	0.013									
34.1 Schroon L-S 6/16/2006 34.8 30.5 0.006 34.1 Schroon L-S 6/28/2006 36.0 30.5 0.007 34.1 Schroon L-S 8/10/2006 35.1 30.5 0.003 34.1 Schroon L-S 8/24/2006 36.0 30.5 0.010 34.1 Schroon L-S 9/7/2006 36.0 30.5 0.004 34.1 Schroon L-S 9/20/2006 36.0 30.5 0.009																
34.1 Schroon L-S 6/28/2006 36.0 30.5 0.007 34.1 Schroon L-S 8/10/2006 35.1 30.5 0.003 34.1 Schroon L-S 8/24/2006 36.0 30.5 0.010 34.1 Schroon L-S 9/7/2006 36.0 30.5 0.004 34.1 Schroon L-S 9/20/2006 36.0 30.5 0.009	34.1						0.012									
34.1 Schroon L-S 8/10/2006 35.1 30.5 0.003 34.1 Schroon L-S 8/24/2006 36.0 30.5 0.010 34.1 Schroon L-S 9/7/2006 36.0 30.5 0.004 34.1 Schroon L-S 9/20/2006 36.0 30.5 0.009	34.1	Schroon L-S	6/16/2006	34.8		30.5	0.006									
34.1 Schroon L-S 8/24/2006 36.0 30.5 0.010 34.1 Schroon L-S 9/7/2006 36.0 30.5 0.004 34.1 Schroon L-S 9/20/2006 36.0 30.5 0.009	34.1					30.5	0.007									
34.1 Schroon L-S 9/7/2006 36.0 30.5 0.004 34.1 Schroon L-S 9/20/2006 36.0 30.5 0.009	34.1						0.003									
34.1 Schroon L-S 9/20/2006 36.0 30.5 0.009	34.1	Schroon L-S	8/24/2006	36.0		30.5	0.010									
	34.1					30.5	0.004									
34.1 Schroon L-S 6/22/2008 33.0 33.0 0.006	34.1	Schroon L-S	9/20/2006	36.0		30.5										
	34.1	Schroon L-S	6/22/2008	33.0		33.0	0.006									

Num	PName	Date	Zbot	Zsd	Zsamp	Tot.P	NO3	NH4	TDN	TN/TP	TColor	рН	Cond25	Ca	Chl.a
34.1	Schroon L-S	7/23/2008	43.0		30.5	0.004									
34.1	Schroon L-S	8/18/2008	33.0		33.0	2.650									
34.1	Schroon L-S	8/27/2008	33.0			1.389									
34.1	Schroon L-S	9/15/2008				1.401									
34.1	Schroon L-S	9/20/2008	33.0			0.005									
34.1	Schroon L-S	9/23/2008	44.0		33.0	0.004									
34.1	Schroon L-S	10/7/2008			30.5	0.004									
34.1	Schroon L-S	06/30/2009	25.0		34.7	0.009		0.01							
34.1	Schroon L-S	07/10/2009	37.0		36.5	0.005									
34.1	Schroon L-S	07/19/2009	35.7		35.0	0.007		0.01							
34.1	Schroon L-S	08/04/2009	35.7		35.0	0.006									
34.1	Schroon L-S	08/21/2009	35.7		35.0	0.006		0.01					0.10	0.10	0.90
34.1	Schroon L-S	09/01/2009	35.7		35.0	0.005									
34.1	Schroon L-S	09/17/2009	35.7		35.0	0.007		0.01					0.10	0.10	0.34
34.1	Schroon L-S	10/02/2009	35.7			0.008									
34.1	Schroon L-S	6/13/2010	45.0		45.0	0.054		0.02					2.70	0.20	
34.1	Schroon L-S	7/8/2010	47.0		47.0	0.059		0.05					4.80	0.27	
34.1	Schroon L-S	7/31/2010	42.0		42.0	0.037		0.05					1.85	0.21	
34.1	Schroon L-S	8/24/2010	44.0			0.020		0.67					5.32	0.68	
34.1	Schroon L-S	10/10/2010			36.0	0.035		0.03							
34.1	Schroon L-S	7/10/2011		6.15	33.0	0.018		0.05					0.01	0.01	
34.1	Schroon L-S	7/31/2011		5.15	36.0	0.007		0.05					0.01	0.01	
34.1	Schroon L-S	8/31/2011		3.65	36.0	0.012		0.03					0.01	0.01	0.50
34.1	Schroon L-S	10/9/2011		3.10	36.0	0.007		0.02					0.01	0.01	
34.1	Schroon L-S	6/28/2012			27.5	0.029		0.03							
34.1	Schroon L-S	7/22/2012			25.0								0.06	0.02	
34.1	Schroon L-S	8/12/2012			27.5	0.006		0.35							
34.1	Schroon L-S	8/26/2012			27.5								0.08	0.02	
34.1	Schroon L-S	9/4/2012			27.5	0.006		0.20							
34.1	Schroon L-S	9/16/2012			27.5								0.23	0.06	1.00
34.1	Schroon L-S	7/31/2013			27.5	0.008		0.02							
34.1	Schroon L-S				27.5										
34.1	Schroon L-S	9/18/2013			27.5	0.005		0.02							

												AQ-	AQ-	MC-			FP-	FP-	HAB	Shore
LNum	PName	Date	Site	TAir	TH20	QA	QB	QC	QD	QF	QG	PC	Chla		Ana-a	Cyl	Chl	BG	form	HAB
34	Schroon L-N		epi	25	20											- ,				
34	Schroon L-N		epi	18	20															
34	Schroon L-N	7/8/1987	ері	20	20															
34	Schroon L-N	7/13/1987	epi	24	25															
34	Schroon L-N	7/21/1987	epi	20	22															
34	Schroon L-N	7/27/1987	ері	23	23															
34	Schroon L-N	8/4/1987	ері	25	22															
34	Schroon L-N	8/7/1987	ері	24	22															
34	Schroon L-N		ері	25	23															
34	Schroon L-N		ері	25	23															
34	Schroon L-N		epi	19	20															
34	Schroon L-N		ері	20	19															
34	Schroon L-N		ері	20	19															
34	Schroon L-N		ері	17	18															
34	Schroon L-N		ері	18	15															
34	Schroon L-N		epi	27	26															
34	Schroon L-N		epi	24	26															
34	Schroon L-N		epi	28	27															
34	Schroon L-N		epi	21	25															\vdash
34	Schroon L-N		epi	23	20															
34	Schroon L-N Schroon L-N		epi	16	19															
34			epi	16 22	16 22															
34	Schroon L-N Schroon L-N		epi	20	20															\vdash
34	Schroon L-N		epi epi	22	20															\vdash
34	Schroon L-N			24	22															
34	Schroon L-N		epi epi	23	23															
34	Schroon L-N		epi	22	20															
34	Schroon L-N		epi	20	20															
34	Schroon L-N		epi	10	15															
34	Schroon L-N		epi	28	24															
34	Schroon L-N		epi	24	22															
34	Schroon L-N		epi	26	28															
34	Schroon L-N		epi	22	23															
34	Schroon L-N		ері	22	22															
34	Schroon L-N	9/17/1990	epi	10	17															
34	Schroon L-N	10/1/1990	ері	17	14															
34	Schroon L-N	7/9/1991	ері	21	23															
34	Schroon L-N		ері	24	28															
34	Schroon L-N		epi	18	23															
34	Schroon L-N		epi	20	23															
34	Schroon L-N		ері	20	21															
34	Schroon L-N		ері	27	27															igsquare
34	Schroon L-N		epi	24	23	1	2	1												igsquare
34	Schroon L-N		epi	31	25	1	1	1												<u> </u>
34	Schroon L-N		epi		20	2	2	1	<u> </u>											
34	Schroon L-N		epi	22	21	1	2	1	5											$\vdash \vdash \vdash$
34	Schroon L-N		epi	28	24	2	2	2	- -											\vdash
34	Schroon L-N		epi	25	23	1	1	2	5											\vdash
34	Schroon L-N		epi	25	24	1	1	2	5											
34	Schroon L-N		epi	18	24	1	1	4	5											
34	Schroon L-N		epi	26	26	2	2	1	F											
34 34	Schroon L-N Schroon L-N		epi	27 25	23.5 21	2	1	2	5											\vdash
34	Schroon L-N		epi	35	23	2	1	1	8											\vdash
34	Schroon L-N		epi	35 26	26	1	1	1	0											
34	Schroon L-N		epi epi	23	23	1	1	1	8											
34	Schroon L-N		epi	25	26	2	1	2	5											\vdash
34	Schroon L-N		epi	22	24	1	1	1	<u> </u>											\vdash
34	Schroon L-N		epi	21		2	1	5	58											\vdash
34	Schroon L-N		epi	23	21	1	1	1	- 55											
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				1		1		1				AQ-	AQ-	MC-			FP-	FP-	HAB	Shore
LNum	PName	Date	Site	TAir	TH20	QΑ	QB	QC	OD	ΩF	OG	PC	Chla		Ana-a	Cyl	Chl	BG	form	HAB
34	Schroon L-N		epi	23	0	1	1	1	5				0	`	7 11 10 0	- Cy.	0			
34	Schroon L-N		epi	20	20	3	1	3	8											
34	Schroon L-N		epi	25	21	2	1	1	0											
34	Schroon L-N		epi	21	21	2	1	2	5											
34	Schroon L-N		epi	27	23	1	1	2	5											
34	Schroon L-N	8/4/2004	epi	19	23	2	1	3	5											
34	Schroon L-N	8/18/2004	ері	21	20	2	1	4	5											
34	Schroon L-N	9/1/2004	ері	20	20	1	1	3	5											
34	Schroon L-N		epi	18	18	2	1	2	0											
34	Schroon L-N		ері	23	18	2	1	3	0											
34	Schroon L-N		ері	18	23	3	1	4	5											
34	Schroon L-N		ері	25	24	2	1	3	5											
34	Schroon L-N		ері	22	22	2	1	1	0											
34	Schroon L-N		ері	18	22	1	1	2	5											
34	Schroon L-N		epi	18	20	2	1	2	5											
34	Schroon L-N		epi	21	21	1	1	1	0											
34	Schroon L-N		epi	14	18	1	1	1	0											
34	Schroon L-N		epi	25	16	2	1	2	5											\vdash
34	Schroon L-N		epi	19	17	2	1	4	58											\vdash
34	Schroon L-N Schroon L-N		epi epi	22 17	22	2	2	3	5 5											
34	Schroon L-N			12	19	2	2	3	5											\vdash
34	Schroon L-N		epi epi	18	18	2	2	3	5		_									$\vdash \vdash \vdash$
34	Schroon L-N		epi	14	17	2	2	3	5											
34	Schroon L-N		epi	16	.,	1	1	4	5											
34	Schroon L-N		ері	21	20	1	•	1	0											
34	Schroon L-N		epi	18	22	2	2	3	6											
34	Schroon L-N		epi	19	21	1	2	2	0											
34	Schroon L-N		epi	17	17	2	1	1	0											
34	Schroon L-N		epi	18	20	2	2	2	0											
34	Schroon L-N	9/16/2008	epi	12	18	1	1	1	0											
34	Schroon L-N	9/25/2008	epi	15	16	1	2	1	0											
34	Schroon L-N	07/02/2009	ері	21	22	1	2	1	0											
34	Schroon L-N	07/20/2009	ері	25	23	1	1	1	5											
34	Schroon L-N		ері	25		1	1	2	0					0.01						
34	Schroon L-N		epi	26		1	1	1	0											
34	Schroon L-N		ері	24	17	1	1	2	0											
34	Schroon L-N		ері	25	23	1	1	1	0			14.0								
34	Schroon L-N		epi	22	22	1	1	1	0			16.0		0.03						
34	Schroon L-N			25	21	1	1	1	0			26.4								
34	Schroon L-N		epi	22	15	1	1	1	6		0									
34	Schroon L-N		epi	20	19	2	1	1	0		0									
34	Schroon L-N Schroon L-N		epi	22	23	1	1	1	0		0	61.09								
34	Schroon L-N		epi epi	18	21	1	1	1	0	0	_	38.94								\vdash
34	Schroon L-N		epi	27	25	1	1	1	0	0		55.54								$\vdash \vdash \vdash$
34	Schroon L-N		epi	11	11	1	1	4	5			20.00		0.01						
34	Schroon L-N		epi	26	25	1	1	1	0	0		5.50		0.01						
34	Schroon L-N		epi	38	33	1	1	1	0	0		5.10								
34	Schroon L-N		ері	30	25	1	1	1	0	0		8.30	3.50							
34	Schroon L-N		epi	23	24	1	1	1	0	0										
34	Schroon L-N		epi	17	21	1	1	1	0	0		7.60	2.30				1			
34	Schroon L-N		ері	22	23	1	1	1	0		0	5.80	3.80							
34	Schroon L-N		epi	20	20	1	1	2	0	0		7.40	1.80							
34	Schroon L-N	9/28/2011	epi	21	21	1	1	2	0		0	7.70	3.70							
34	Schroon L-N		epi	34	27	1	1	2	0	0	0	0.00	0.30	<0.30	<0.423		1.17	0.56		
34	Schroon L-N		ері	25	27	1	1	2	0		0	-0.50			<0.392					
34	Schroon L-N		ері	29	25	1	1	1	0		0	1.40			<3.299				ı	
34	Schroon L-N		ері	22	24	1	1	2	0	0		3.00	0.50				_	10.72		
34	Schroon L-N		epi	29	23	1	1	1	0	0	_	2.20	0.30		<3.299			0.88	<u> </u>	
34	Schroon L-N	9/1/2012	ері	27	24	1	1	1	0	0	0	1.10	0.20	<0.30	<3.299		1.02	0.56	I	<u> </u>

							1	1				AQ-	AO-	MC-			FP-	FP-	HAB	Shore
LNum	PName	Date	Site	TAir	TH20	QA	QB	QC	QD	QF	QG		Chla	LR	Ana-a	Cyl	Chl	BG	form	HAB
34	Schroon L-N	9/21/2012	ері	20	18	1	1	2	0	0		4.70		0.35	<3.205					
34	Schroon L-N	9/26/2012	epi	16	17	1	1	1	0	0	0	3.50	0.60	< 0.30	<3.205		1.68	0.65	ı	
34	Schroon L-N	6/24/2013	ері	29	23	1	1	1	0	0	0	0.70	1.10	<0.30	<0.490		1.40	0.20		
34	Schroon L-N	7/8/2013	ері	31	25	1	1	2	0	0	0	2.80	2.20	<0.30	< 0.370		1.70	0.00		1
34	Schroon L-N	7/22/2013	ері	26	26	1	1	1	0	0	0	4.90		<0.30					ı	I
34	Schroon L-N	8/11/2013	ері	28	24	1	1	2	0	0	0	10.40	3.90	<0.30	<0.380		0.00	0.00	ı	I
34	Schroon L-N		ері	24	23	1	1	2	0	0	0			<0.30				0.20	ı	I
34	Schroon L-N		ері	27	24	1	1	2	0	0	0			< 0.30					ı	I
34	Schroon L-N		ері	25	21	1	1	1	0	0	0	4.30	_		<19.130			0.00	ı	I
34	Schroon L-N		epi	25	19	1	1	1	0	0	0	3.30		<0.30				0.00	ı	I
34	Schroon L-N		epi	25	25					0	0	1.80		<0.39					i	i
34	Schroon L-N		epi	27	24	1	1	1	0	0	0	2.60	0.30	<0.39					i	i
34	Schroon L-N		epi	28	25	1	1	1	0	0	0			< 0.35		<0.001	0.27	0.00	i	i
34	Schroon L-N		epi	17	23	1	1	1	0	0	0	0.00	0.00	< 0.39		<0.001			į.	<u>l</u>
34	Schroon L-N		epi	28	22	1	1	1	0	0	_	3.00		<0.28		<0.001			i	i
34	Schroon L-N Schroon L-N		epi	16 22	19 10	1	1	1	0	0	0	8.30	0.40	<0.28	<0.03	<0.001	1.42	0.00	i	i
34	Schroon L-N		hypo																	-
34	Schroon L-N		hypo	28 25	12															
34	Schroon L-N		hypo hypo	25																
34	Schroon L-N		hypo	18	10															+
34	Schroon L-N		,	26	9															
34	Schroon L-N		hypo	27	10.0															
34	Schroon L-N		hypo	25	11															
34	Schroon L-N		•		9															
34	Schroon L-N		hypo		9															
34	Schroon L-N		, ,		8															
34	Schroon L-N		hypo		8															
34	Schroon L-N	8/19/2003	hypo		12															
34	Schroon L-N	9/2/2003	hypo		7															
34	Schroon L-N	9/17/2003	hypo		7															
34	Schroon L-N	9/30/2003	hypo		7															
34	Schroon L-N		hypo		7															
34	Schroon L-N		hypo		6															
34	Schroon L-N		hypo		7															
34	Schroon L-N		hypo		7															
34	Schroon L-N		hypo		5															
34	Schroon L-N		hypo		6															
34	Schroon L-N		hypo		5 6															
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34	Schroon L-N	9/7/2006	hypo		5															
34	Schroon L-N	9/20/2006	hypo		5															
34	Schroon L-N		hypo		3															
34	Schroon L-N		hypo		5							-								
34	Schroon L-N				5															
34	Schroon L-N		hypo		5		ļ	ļ												<u> </u>
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34	Schroon L-N Schroon L-N		•		11 9															\vdash
34	SCHIOOH L-IN	00/22/2009	пуро	<u> </u>	9	<u> </u>	<u> </u>	<u> </u>					l	<u> </u>		l	l			

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34 Schroon L.N. 09/32/090 hypo 10	Num	PName	Date	Site	TΔir	TH20	ΟΔ	OB	00	OD	OF	റദ	AQ-	AQ-	MC-	Δna-a	Cyl	FP-	FP-	HAB form	Shore HAB
34 Schroon LN 93/12/2009 Nypo 0.0 34 Schroon LN 52/52/2010 Nypo 6.6 34 Schroon LN 73/52/2010 Nypo 6.6 34 Schroon LN 73/52/2010 Nypo 6.6 34 Schroon LN 73/52/2010 Nypo 5.5 34 Schroon LN 73/52/2010 Nypo 5.5 34 Schroon LN 73/52/2010 Nypo 10 34 Schroon LN 73/52/2011 Nypo 8.6 34 Schroon LN 73/52/2011 Nypo 8.7 Schroon LN 73/52/2011 Nypo 8.7 Schroon LN 72/52/2011 Nypo 8.7 Schroon LN 72/52/2011 Nypo 10 34 Schroon LN 72/52/2011 Nypo 10 34 Schroon LN 72/52/2012 Nypo 12 34 Schroon LN 72/52/2012 Nypo 12 34 Schroon LN 72/52/2012 Nypo 12 34 Schroon LN 72/52/2012 Nypo 13 34 Schroon LN 72/52/2012 Nypo 7 34 Schroon LN 72/52/2012 Nypo 7 7 34 Schroon LN 72/52/2013 Nypo 2 2 34 Schroon LN 72/52/2013 Nypo 6 34 Schroon LN 72/52/2014 Nypo 7 34 Schroon LN 7					IAII		χ	ζD	QU	QD	ζı	ζ	10	Cilia	LIX	Alia-a	Суі	Cili	ВО	101111	TIAD
34 Schroon LN 362/2010 Nypo 9				, ,																	
34 Schroon LN S26/2010 Nypo 6																					
34 Schroon LN 87/2010 Nypo 6																					
34 Schroon LN 3/2/2010 Nypo 5 3 4 5 5 4 5 5 5 5 5 5				,																	
34 Schroon L.N 7/42/071 Nypo 10																					
34 Schroon L.N. 2/2021 hypo 10																					
34 Schroon L-N 8/2/2011 hypo 8																					
34 Schroon L.N 8/22/2011 hypo 10 8 8 8 9 9 9 9 9 9 9																					
34 Schroon L-N 9/22/2011 hypo 11																					
34 Schroon L-N 775/2012 hypo 11																					
34 Schroon L-N 7/5/20/2012 hypo 12 11 12 13 34 Schroon L-N 3/10/2012 hypo 13 13 13 14 14 14 15 15 15 15 15																					
34 Schroon L-N 8/10/2012 hypo																					
34 Schroon L-N 8/19/2012 hypo 9																					
34 Schroon L-N 9/1/2012 hypo 9				,																	
34 Schroon L-N 9/12/2012 hypo 7																					
34 Schroon L-N 9/21/2012 hypo 7																					
34 Schroon L-N 9/26/2012 hypo 7	-					7															
34 Schroon L-N 7(3/2013 hypo 21						7															
34 Schroon L-N 7/8/2013 hypo 22				•		21															
34 Schroon L-N 7/22/2013 hypo 7																					
34 Schroon L-N 8/11/2013 hypo 6																					
34 Schroon L-N 3/17/2013 hypo 6										İ											
34 Schroon L-N 9/4/2013 hypo 6																					
34 Schroon L-N 9/11/2013 hypo 6																					
34 Schroon L-N 9/19/2013 hypo 6				,,		6															
34 Schroon L-N 6/29/2014 hypo 22 34 Schroon L-N 7/25/2014 hypo 22 34 Schroon L-N 7/25/2014 hypo 21 34 Schroon L-N 8/14/2014 hypo 5 34 Schroon L-N 8/14/2014 hypo 5 34 Schroon L-N 8/14/2014 hypo 6 34 Schroon L-N 8/14/2014 hypo 6 36 24 2 1 1 8 34.1 Schroon L-S 6/24/2003 epi 36 24 2 1 1 8 34.1 Schroon L-S 6/24/2003 epi 27 25 1 1 1 1 34.1 Schroon L-S 8/19/2003 epi 28 24 2 1 1 8 34.1 Schroon L-S 8/19/2003 epi 26 24 2 1 2 5 34.1 Schroon L-S 8/19/2003 epi 26 24 2 1 2 5 34.1 Schroon L-S 8/19/2003 epi 26 24 2 1 2 5 34.1 Schroon L-S 8/19/2003 epi 28 24 1 1 1 34.1 Schroon L-S 8/19/2003 epi 28 24 1 1 1 34.1 Schroon L-S 9/17/2003 epi 22 24 1 1 1 34.1 Schroon L-S 9/17/2003 epi 23 21 1 1 1 34.1 Schroon L-S 9/17/2003 epi 23 21 1 1 1 34.1 Schroon L-S 9/17/2003 epi 23 21 1 1 1 34.1 Schroon L-S 9/17/2004 epi 23 21 1 1 1 34.1 Schroon L-S 6/23/2004 epi 25 21 2 1 1 0 34.1 Schroon L-S 6/23/2004 epi 27 23 1 1 2 5 34.1 Schroon L-S 7/12/2004 epi 27 23 1 1 2 5 34.1 Schroon L-S 8/18/2004 epi 20 20 22 1 4 5 34.1 Schroon L-S 8/18/2004 epi 20 20 21 1 1 2 5 34.1 Schroon L-S 8/18/2004 epi 20 20 21 1 1 2 5 34.1 Schroon L-S 8/18/2004 epi 20 20 21 1 1 2 5 34.1 Schroon L-S 8/18/2004 epi 20 20 21 1 1 2 5 34.1 Schroon L-S 8/18/2005 epi 23 22 21 1 0 0 34.1 Schroon L-S 8/18/2005 epi 23 22 21 1 0 0 34.1 Schroon L-S 8/18/2005 epi 23 22 21 1 0 0 34.1 Schroon L-S 8/18/2005 epi 20 20 22 1 1 2 5 34.1 Schroon L-S 8/18/2005 epi 20 20 22 1 1 2 5 34.1 Schroon L-S 8/18						_															
34 Schroon L-N 7/20/2014 hypo 22																					
34 Schroon L-N 7/25/2014 hypo 5						22															
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34 Schroon L-N 8/25/2014 hypo 7 34 Schroon L-N 9/14/2014 hypo 6 34.1 Schroon L-S 6/24/2003 epi 36 24 2 1 1 8 34.1 Schroon L-S 7/8/2003 epi 27 25 1 1 1 34.1 Schroon L-S 7/22/2003 epi 23 23 1 1 1 8 34.1 Schroon L-S 8/19/2003 epi 26 24 2 1 2 5 34.1 Schroon L-S 8/19/2003 epi 22 24 1				,		5															
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34.1 Schroon L-S 6/24/2003 epi 36 24 2 1 1 8						6															
34.1 Schroon L-S 7/8/2003 epi 27 25 1 1 1 1 8 8 8 8 8 8					36		2	1	1	8											
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34.1 Schroon L-S 8/19/2003 epi 22 24 1 1 1 1 1 34.1 Schroon L-S 9/2/2003 epi 18 21 2 1 2 5 3 34.1 Schroon L-S 9/30/2003 epi 18 21 2 1 2 2 1 1 2 2 1 1	34.1	Schroon L-S	8/5/2003	epi	26	24	2	1	2	5											
34.1 Schroon L-S 9/17/2003 epi 23 21 2 1 2 1 2 1 1 2 5 1 1 2 3 1 1 2 5 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 </td <td></td> <td></td> <td></td> <td>epi</td> <td></td> <td>24</td> <td>1</td> <td>1</td> <td>1</td> <td></td>				epi		24	1	1	1												
34.1 Schroon L-S 9/30/2003 epi 16 1 1 1 5 34.1 Schroon L-S 6/11/2004 epi 23 19 3 1 3 8	34.1	Schroon L-S	9/2/2003	epi	18	21	2	1	2	5											
34.1 Schroon L-S 6/11/2004 epi 23 19 3 1 3 8	34.1	Schroon L-S	9/17/2003	ері	23	21	1	1	1												
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34.1 Schroon L-S 6/23/2004 epi 25 21 2 1 1 0 34.1 Schroon L-S 7/7/2004 epi 19 21 2 1 2 5 34.1 Schroon L-S 8/4/2004 epi 20 24 2 1 3 5 34.1 Schroon L-S 8/18/2004 epi 20 20 2 1 4 5 34.1 Schroon L-S 8/18/2004 epi 20 21 1 1 2 5 <					23	19	3	1	3	8											
34.1 Schroon L-S 7/21/2004 epi 27 23 1 1 2 5 34.1 Schroon L-S 8/4/2004 epi 20 24 2 1 3 5 34.1 Schroon L-S 8/18/2004 epi 20 20 2 1 4 5 34.1 Schroon L-S 9/14/2004 epi 20 21 1 1 2 5 34.1 Schroon L-S 9/14/2004 epi 17 17 2 1 1 0 34.1 Schroon L-S 6/21/2005 epi 23 19 2 1 3 0 34.1 Schroon L-S 7/5/2005 epi 18 22 3 1 4 5 34.1 Schroon L-S 8/2/2005 epi 25 24 2 1 3 5 34.1 Schroon L-S 8/16/2005 epi 20 22 1 1 0 34.1 Schroon L-S 8/30/2005 <td< td=""><td>34.1</td><td>Schroon L-S</td><td>6/23/2004</td><td>ері</td><td>25</td><td>21</td><td>2</td><td>1</td><td>1</td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	34.1	Schroon L-S	6/23/2004	ері	25	21	2	1	1	0											
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34.1 Schroon L-S 8/18/2004 epi 20 2 1 4 5 34.1 Schroon L-S 9/1/2004 epi 20 21 1 1 2 5 34.1 Schroon L-S 9/14/2004 epi 17 17 2 1 1 0 34.1 Schroon L-S 6/21/2005 epi 23 19 2 1 3 0 34.1 Schroon L-S 7/5/2005 epi 18 22 3 1 4 5 34.1 Schroon L-S 7/19/2005 epi 25 24 2 1 3 5 34.1 Schroon L-S 8/2/2005 epi 23 22 2 1 1 0 34.1 Schroon L-S 8/30/2005 epi 20 22 1 1 2 5 34.1 Schroon L-S 9/13/2005 epi 24 21 1 1 1 0	34.1	Schroon L-S	7/21/2004	ері	27	23	1	1	2	5											
34.1 Schroon L-S 9/1/2004 epi 20 21 1 1 2 5 34.1 Schroon L-S 9/14/2004 epi 17 17 2 1 1 0				ері	20	24	2	1	3	5						-					
34.1 Schroon L-S 9/14/2004 epi 17 17 2 1 1 0 34.1 Schroon L-S 6/21/2005 epi 23 19 2 1 3 0 34.1 Schroon L-S 7/5/2005 epi 18 22 3 1 4 5 34.1 Schroon L-S 8/2/2005 epi 25 24 2 1 3 5 34.1 Schroon L-S 8/2/2005 epi 23 22 2 1 1 0 34.1 Schroon L-S 8/30/2005 epi 20 22 1 1 2 5 34.1 Schroon L-S 8/30/2005 epi 16 20 2 1 2 5 34.1 Schroon L-S 9/13/2005 epi 24 21 1 1 1 0	34.1	Schroon L-S	8/18/2004	ері	20	20	2	1	4	5											
34.1 Schroon L-S 6/21/2005 epi 23 19 2 1 3 0 34.1 Schroon L-S 7/5/2005 epi 18 22 3 1 4 5 34.1 Schroon L-S 7/19/2005 epi 25 24 2 1 3 5 34.1 Schroon L-S 8/2/2005 epi 23 22 2 1 1 0 34.1 Schroon L-S 8/30/2005 epi 20 22 1 1 2 5 34.1 Schroon L-S 8/30/2005 epi 16 20 2 1 2 5 34.1 Schroon L-S 9/13/2005 epi 24 21 1 1 1 0	34.1	Schroon L-S	9/1/2004	ері	20	21	1	1	2	5											
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34.1 Schroon L-S 7/19/2005 epi 25 24 2 1 3 5 34.1 Schroon L-S 8/2/2005 epi 23 22 2 1 1 0 34.1 Schroon L-S 8/16/2005 epi 20 22 1 1 2 5 34.1 Schroon L-S 8/30/2005 epi 16 20 2 1 2 5 34.1 Schroon L-S 9/13/2005 epi 24 21 1 1 1 0	34.1	Schroon L-S	6/21/2005	ері	23	19	2	1	3												
34.1 Schroon L-S 8/2/2005 epi 23 22 2 1 1 0 34.1 Schroon L-S 8/16/2005 epi 20 22 1 1 2 5 34.1 Schroon L-S 8/30/2005 epi 16 20 2 1 2 5 34.1 Schroon L-S 9/13/2005 epi 24 21 1 1 0	34.1	Schroon L-S	7/5/2005	ері	18	22	3	1	4	5											
34.1 Schroon L-S 8/16/2005 epi 20 22 1 1 2 5 34.1 Schroon L-S 8/30/2005 epi 16 20 2 1 2 5 34.1 Schroon L-S 9/13/2005 epi 24 21 1 1 1 0	34.1	Schroon L-S	7/19/2005	ері	25	24	2	1	3	5											
34.1 Schroon L-S 8/30/2005 epi 16 20 2 1 2 5 34.1 Schroon L-S 9/13/2005 epi 24 21 1 1 0	34.1	Schroon L-S	8/2/2005	ері	23	22	2	1	1	0											
34.1 Schroon L-S 9/13/2005 epi 24 21 1 1 1 0	34.1	Schroon L-S	8/16/2005	ері	20	22	1	1	2	5											
	34.1	Schroon L-S	8/30/2005	ері	16	20	2	1	2	5											
24.1 Seprent S 0/27/2005 on 17 17 1 1 1 1 0	34.1	Schroon L-S	9/13/2005	ері	24	21	1	1	1	0											
34.1 Schroon L-S 9/27/2005 epi 17 17 1 1 1 0	34.1	Schroon L-S	9/27/2005	ері	17	17	1	1	1	0											
34.1 Schroon L-S 6/16/2006 epi 25 17 2 2 2 5	34.1	Schroon L-S	6/16/2006	ері	25	17	2	2	2	5											
34.1 Schroon L-S 6/28/2006 epi 21 18 2 1 4 5	34.1	Schroon L-S	6/28/2006	ері	21	18	2	1	4	5											
34.1 Schroon L-S 7/27/2006 epi 22 22 2 3 5				ері	22	22	2	2	3	5											
34.1 Schroon L-S 8/10/2006 epi 18 22 2 2 1 5	34.1	Schroon L-S	8/10/2006	ері	18	22	2	2	1	5											

								1				AQ-	AQ-	MC-			FP-	FP-	HAB	Shore
LNum	PName	Date	Site	TAir	TH20	QA	QB	QC	QD	OF	OG		Chla		Ana-a	Cyl	Chl	BG	form	HAB
34.1	Schroon L-S		epi	13	19	2	2	3	5	ζ.	ųΟ		Oma		7 tild d	Oy.	0111		101111	11110
34.1	Schroon L-S		epi	18	18	2	2	3	5											
34.1	Schroon L-S		ері	13	16	2	2	3	5											
34.1	Schroon L-S		epi	16	21	1	2	1	0											
34.1	Schroon L-S		ері	21	23	1	1	1	5											
34.1	Schroon L-S		epi	24	24	1	1	1	15											
34.1	Schroon L-S		epi	28	23	1	3	1	0											
34.1	Schroon L-S	9/20/2008	epi	24	21	1	1	1	0											
34.1	Schroon L-S	9/23/2008	epi	24	22															
34.1	Schroon L-S	10/7/2008	epi	6	12	1	2	1	8											
34.1	Schroon L-S	06/30/2009	epi	16	19	1	3	1	0											
34.1	Schroon L-S	07/10/2009	ері	26	19	1	3	1	0											
34.1	Schroon L-S	07/19/2009	ері	19	18	1	3	2	0											
34.1	Schroon L-S		ері	21	20	2	3	2	28											
34.1	Schroon L-S		epi	23	22	1	3	2	0					0.01						
34.1	Schroon L-S		epi	7	18	1	3	1	0			15.4								
34.1	Schroon L-S		ері	13	18	1	3	1	0			17.9		0.02						
34.1	Schroon L-S		ері									19.4		0.01						
34.1	Schroon L-S		ері	18	18	1	1	2	0	0	0									
34.1	Schroon L-S		epi	28	26	1	1	2	0	0	0									\sqcup
34.1	Schroon L-S		epi	37	29	1	1	1	0	0	0									igsquare
34.1	Schroon L-S		ері	28	26	1	1	2	0	0	0									
34.1	Schroon L-S		epi	24	25				_			7.00		0.01						
34.1	Schroon L-S		epi	20	22	1	1	1	0	0	_	29.32								
34.1	Schroon L-S		epi	16	19	1	1	1	0	0	_	43.51								
34.1	Schroon L-S		epi	13	12	1	3	1	0	0	_	57.04								
34.1	Schroon L-S		epi	33	22	1	1	1	0	0	0	0.00	0.50							
34.1	Schroon L-S		epi	26	24	2	2	1	0	0	_	2.80								-
34.1	Schroon L-S		epi	17	22	1	3	1	0	0	0	4.10	1.97							
34.1	Schroon L-S		epi	17	22	2	3	1	0	0	0	6.00	2.50							
34.1	Schroon L-S		epi	23 13	18	2	3	1	0	0		8.90 4.70	2.20							
34.1	Schroon L-S Schroon L-S		epi epi	25	16 15	1	1	1	0	0	0	3.40	5.10							\vdash
34.1	Schroon L-S		ері	27	20	2	2	2	0	0	0	3.40	5.10						ı	\vdash
34.1	Schroon L-S		epi	28	22	2	3	2	0	0	0								F	
34.1	Schroon L-S		epi	24	23	1	3	1	0	0	0	4.80	0.50	<0.30	<0.537		3.21	1.78	i	
34.1	Schroon L-S		epi	18	21	1	3	2	0	0	0	2.00	0.40						i	
34.1	Schroon L-S		ері	17	20	1	3	2	0	0	0	1.60		<0.30			_	1.50		
34.1	Schroon L-S		epi	17	18	1	1	1	0	0	0	0.30		<0.30				0.89		
34.1	Schroon L-S		epi								Ť	0.00	0.00	10.00	10.200			0.00		
34.1	Schroon L-S		ері	28	21	2	2	2	0	0	0	4.50	1.10	< 0.30	<0.390		1.70	0.70	ı	
34.1	Schroon L-S		epi	24	21	2	3	2	0		0	4.60			<0.390			0.20	İ	
34.1	Schroon L-S			22	17	2	3	2	0		0	3.20			<19.130			0.30	ı	I
34.1	Schroon L-S				9															
34.1	Schroon L-S		hypo		9															
34.1	Schroon L-S				7															
34.1	Schroon L-S	8/5/2003	hypo		8															
34.1	Schroon L-S				11															
34.1	Schroon L-S		hypo		8															
34.1	Schroon L-S				15															
34.1	Schroon L-S				7															
34.1	Schroon L-S				8															$oxed{oxed}$
34.1	Schroon L-S				6															
34.1	Schroon L-S		hypo		5			ļ												
34.1	Schroon L-S				6			ļ												
34.1	Schroon L-S		hypo		6															
34.1	Schroon L-S				7															igwdot
34.1	Schroon L-S		hypo		6															
34.1	Schroon L-S				6															
34.1	Schroon L-S				6															<u> </u>
34.1	Schroon L-S	7/19/2005	hypo	<u> </u>	8			<u> </u>												

								1				AQ-	AQ-	MC-			FP-	FP-	HAB	Shore
LNum	PName	Date	Site	TAir	TH20	QA	QB	QC	QD	OF	റദ	PC	Chla	LR	Ana-a	Cyl	Chl	BG	form	HAB
34.1	Schroon L-S	8/2/2005	hypo	17 (11	6	QΛ	QD	Q.C	QD	α,	Q.C	10	Onia	LIX	7 tria a	- Cyi	OIII		101111	11/10
34.1			hypo		7															
34.1		8/30/2005	hypo		7															
34.1			hypo		8															
34.1			hypo		7															
34.1		6/16/2006	hypo		6															
34.1	Schroon L-S		hypo		8															
34.1	Schroon L-S		hypo		5															
34.1	Schroon L-S	8/10/2006	hypo		5															
34.1		8/24/2006	hypo		5															
34.1	Schroon L-S	9/7/2006	hypo		7															
34.1	Schroon L-S	9/20/2006	hypo		5															
34.1	Schroon L-S		hypo		8															
34.1	Schroon L-S		hypo		9															
34.1		8/27/2008	hypo		10															
34.1	Schroon L-S		hypo		9															
34.1		9/23/2008	hypo		8															
34.1	Schroon L-S		hypo		6															
34.1	Schroon L-S		hypo		6															
34.1	Schroon L-S				5															
34.1	Schroon L-S				5															
34.1	Schroon L-S	08/04/2009	hypo		5															
34.1	Schroon L-S	08/21/2009	hypo		5															
34.1	Schroon L-S	09/01/2009	hypo		5															
34.1	Schroon L-S	6/13/2010	hypo		10															
34.1	Schroon L-S	7/8/2010	hypo		9															
34.1	Schroon L-S	7/31/2010	hypo		10															
34.1	Schroon L-S	8/24/2010	hypo		10															
34.1	Schroon L-S	10/10/2010	hypo		5															
34.1	Schroon L-S	7/10/2011	hypo		5															
34.1	Schroon L-S	7/31/2011	hypo		14															
34.1	Schroon L-S	8/31/2011	hypo		5															
34.1	Schroon L-S	10/9/2011	hypo		5															
34.1	Schroon L-S	6/28/2012	hypo		7															
34.1	Schroon L-S	7/22/2012	hypo		7															
34.1	Schroon L-S	8/12/2012	hypo		7															
34.1	Schroon L-S	8/26/2012	hypo		6															
34.1	Schroon L-S	9/4/2012	hypo		6										_					
34.1	Schroon L-S		hypo		6															
34.1	Schroon L-S	7/31/2013	hypo		10										_				_	
34.1	Schroon L-S	8/19/2013	hypo		4															
34.1	Schroon L-S	9/18/2013	hypo		5															

Legend Information

Indicator	Description	Detection Limit	Standard (S) / Criteria (C)
General Inform	nation	_ 	<u> </u>
Lnum	lake number (unique to CSLAP)		
Lname	name of lake (as it appears in the Gazetteer of NYS Lakes)		
Date	sampling date		
Field Paramete	ers		
Zbot	lake depth at sampling point, meters (m)		
Zsd	Secchi disk transparency or clarity	0.1m	1.2m (C)
Zsamp	water sample depth (m) (epi = epilimnion or surface; bot = bottom)	0.1m	none
Tair	air temperature (C)	-10C	none
TH20	water temperature (C)	-10C	none
Laboratory Par	rameters	1	
Tot.P	total phosphorus (mg/l)	0.003 mg/l	0.020 mg/l (C)
NOx	nitrate + nitrite (mg/l)	0.01 mg/l	10 mg/l NO3 (S), 2 mg/l NO2 (S)
NH4	total ammonia (mg/l)	0.01 mg/l	2 mg/l NH4 (S)
TN	total nitrogen (mg/l)	0.01 mg/l	none
TN/TP	nitrogen to phosphorus (molar) ratio, = (TKN + NOx)*2.2/TP	3,	none
TCOLOR	true (filtered) color (ptu, platinum color units)	1 ptu	none
pH	powers of hydrogen (S.U., standard pH units)	0.1 S.U.	6.5, 8.5 S.U. (S)
Cond25	specific conductance, corrected to 25C (umho/cm)	1 umho/cm	none
Са	calcium (mg/l)	1 mg/l	none
Chl.a	chlorophyll a (ug/l)	0.01 ug/l	none
Fe	iron (mg/l)	0.1 mg/1	1.0 mg/l (S)
Mn	manganese (mg/l)	0.01 mg/l	0.3 mg/l (S)
As	arsenic (ug/I)	1 ug/l	10 ug/l (S)
AQ-PC	Phycocyanin (aquaflor) (unitless)	1 unit	none
AQ-Chl	Chlorophyll a (aquaflor) (ug/l)	1 ug/l	none
MC-LR	Microcystis-LR (ug/I)	0.01 ug/l	1 ug/l potable (C) 20 ug/l swimming (
Ana	Anatoxin-a (ug/I)	variable	none
Cyl	Cylindrospermposin (ug/l)	0.1 ug/l	none
FP-Chl, FP-BG	Fluoroprobe total chlorophyll, fluoroprobe blue-green chlorophyll (ug/l)	0.1 ug/l	none
Lake Assessme	nt		
QA	water quality assessment; 1 = crystal clear, 2 = not quite crystal clear, 3 = definite algae greenness, 4 = high algae levels, 5 = severely high algae levels		
QB	aquatic plant assessment; 1 = no plants visible, 2 = plants below surface, 3 = plants at surface, 4 = plants dense at surface, 5 = surface plant coverage		
QC	recreational assessment; 1 = could not be nicer, 2 = excellent, 3 = slightly impaired, 4 = substantially impaired, 5 = lake not usable		
QD	reasons for recreational assessment; 1 = poor water clarity, 2 = excessive weeds, 3 = too much algae, 4 = lake looks bad, 5 = poor weather, 6 = litter/surface debris, 7 = too many lake users, 8 = other		
QF, QG	Health and safety issues today (QF) and past week (QG); 0 = none, 1 = taste/odor, 2 = GI illness humans/animals, 3 = swimmers itch, 4 = algae blooms, 5 = dead fish, 6 = unusual animals, 7 = other		
HAB form, Shore HAB	HAB evaluation; A = spilled paint, B = pea soup, C = streaks, D = green dots, E = bubbling scum, F = green/brown tint, G = duckweed, H = other, I = no bloom		

Appendix B- Priority Waterbody Listing for Schroon Lake

Schroon Lake (1104-0002)

Impaired Seg

Revised: 12/11/2006

Waterbody Location Information

Water Index No: H-391 (portion 3)/P374 Drain Basin: Upper Hudson River

Hydro Unit Code: 02020001/090 Str Class: A Upper Hudson

Waterbody Type: Lake Reg/County: 5/Warren Co. (57)

Waterbody Size: 4128.1 Acres Quad Map: SCHROON LAKE (F-25-0)

Seg Description: entire lake

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted Severity Problem Documentation

FISH CONSUMPTION Impaired Known

Type of Pollutant(s)

Known: METALS (mercury), PRIORITY ORGANICS (PCBs)

Suspected: --Possible: ---

Source(s) of Pollutant(s)

Known: ---

Suspected: TOX/CONTAM. SEDIMENT Possible: UNKNOWN SOURCE

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)

Lead Agency/Office: ext/EPA Resolution Potential: Low

TMDL/303d Status: 2b (Multiple Segment/Categorical Water, Fish Consumption))

Further Details

Fish consumption in Schroon Lake is impaired due to a NYS DOH health advisory that recommends eating no more than one meal per month of larger lake trout (over 27 inches), larger yellow perch (over 13 inches) and smallmouth bass; the advisories are the result of elevated PCB and mercury levels. The most recent laboratory results from lake trout and yellow perch collected in 1989 (DFW) suggest that PCB and other organochlorine concentrations in fish have declined, but mercury concentrations in lake trout were still relatively high. The source of mercury is considered to be atmospheric deposition, as there are not other apparent sources in the lake watershed. The advisory for this lake related to PCBs was issued prior to 1998-99; the mercury advisory was added in 2000-01. (2006-07 NYS DOH Health Advisories and DEC/FWMR, Habitat, December 2006).

Water column, soil and bottom sediment samples taken by the regional staff (1990) and central office (1991, DEC/DOW BMA report June 1992) showed only very low concentrations of PCBs and mercury. Macroinvertebrate sampling (1991) found no significant levels of PCBs in invertebrates, but mercury was found above levels of concern in crayfish in Schroon River above the inlet. Based on the various data gathered it was determined jointly by DFW and BMA staff that although PCB and other organochlorine contamination of Schroon Lake lake trout is no longer as serious, monitoring of the Fisheries resource should be continued, since sensitive species of fish-eating wildlife are at risk. No additional

biological sampling of the Schroon River inlet or its tributaries was recommended, as DFW data suggested mercury concentrations, though elevated, were typical of other waters affected by atmospheric deposition of mercury in this region of NYS. (DEC/DOW and FWMR, BWAM and Habitat, 2000)

Schroon Lake has been sampled as part of the NYSDEC Citizen Statewide Lake Assessment Program (CSLAP) beginning in 1987 and continuing through 2005. An Interpretive Summary report of the findings of this sampling was published in 2006. These data indicate that the lake continues to be best characterized as mesoligotropic, or moderately unproductive. Phosphorus levels in the lake are consistently below criteria that would indicate impacted recreational uses and transparency measurements satisfy what is recommended for swimming beaches. (DEC/DOW, BWAM/CSLAP, May 2006)

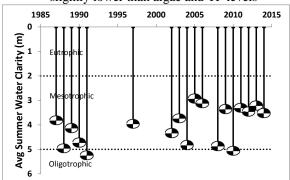
Public perception of the Schroon Lake and its uses are also evaluated as part of the CSLAP program. These assessment also indicate recreational suitability of the lake to be mostly favorable since the lake was first evaluated and continuing through the most recent assessment. Recreational conditions in the lake have been most often described as "could not be nicer" to "excellent" for most uses. The lake is regularly described as "not quite crystal clear." Aquatic plant are not typically visible from the lake surface. (DEC/DOW, BWAM/CSLAP, May 2006)

This waterbody is included on the NYS 2006 Section 303(d) List of Impaired Waters. The lake was included on Part 2b of the List as a Fish Consumption Water.

Appendix C- Long Term Trends: Schroon Lake-North Basin

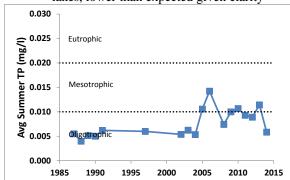
Long Term Trends: Water Clarity

- No trends apparent; slightly lower since '11
- Most readings typical of *mesotrophic* lakes, slightly lower than algae and TP levels



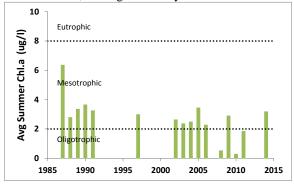
Long Term Trends: Phosphorus

- Slight ↑ in TP levels since mid-2000s
- Most readings typical of *mesoligotrophic* lakes, lower than expected given clarity



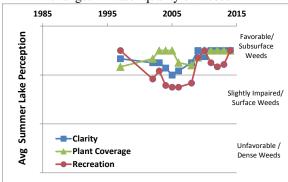
Long Term Trends: Chlorophyll a

- Too few chlorophyll samples to evaluate
- Most readings typical of *mesoligotrophic* lakes, in range of clarity and TP levels



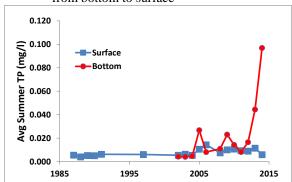
Long Term Trends: Lake Perception

- Slightly degrading recreation since mid-00s
- Recreational perception not closely linked to changes in water quality or weeds



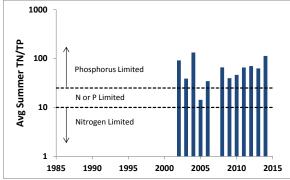
Long Term Trends: Bottom Phosphorus

- Bottom TP slightly > surface TP most years
- Not likely that TP is migrating significantly from bottom to surface



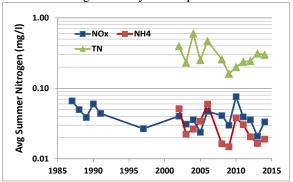
Long Term Trends: N:P Ratio

- No trends apparent
- Most readings indicate phosphorus limits algae growth



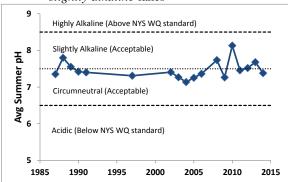
Long Term Trends: Nitrogen

- Recent increase in TN, drop in NH4 & NOx
- Low NOx, ammonia, and total nitrogen readings in nearly all samples



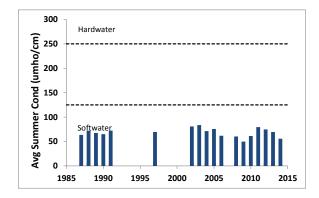
Long Term Trends: pH

- No trends; fairly stable year to year
- Most readings typical of *circumneutral* to *slightly alkaline* lakes



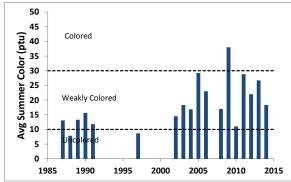
Long Term Trends: Conductivity

- No trends apparent; slight ↓ since early 00s
- Most readings typical of softwater lakes



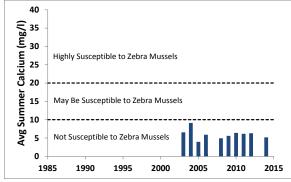
Long Term Trends: Color

- Higher color since 2002 due to lab change
- Most readings typical of uncolored to weakly colored lakes



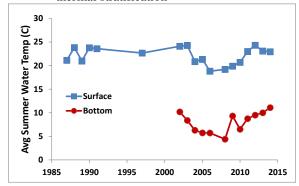
Long Term Trends: Calcium

- No trends apparent
- Most readings indicate low susceptibility to zebra mussels, which are not found in lake



Long Term Trends: Water Temperature

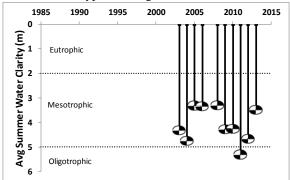
- No long term trends; bottom T increasing?
- Low deepwater temperatures indicate strong thermal stratification



Appendix C- Long Term Trends: Schroon Lake-South Basin (no '14 data)

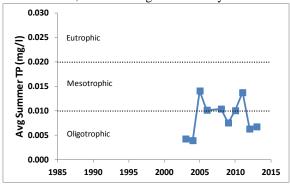
Long Term Trends: Water Clarity

- No trends apparent; slight variability
- Most readings typical of *mesoligotrophic* lakes, typical of algae and TP levels



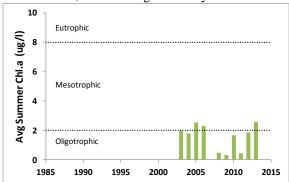
Long Term Trends: Phosphorus

- No long term trend; slightly variable
- Most readings typical of *mesoligotrophic* lakes, similar to algae and clarity levels



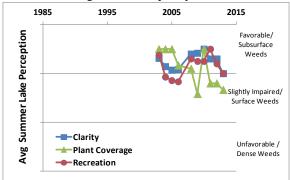
Long Term Trends: Chlorophyll a

- No trends apparent
- Most readings typical of *mesoligotrophic* lakes, in same range as clarity and TP levels



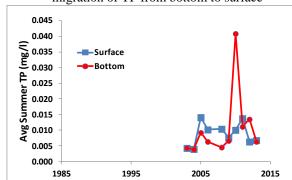
Long Term Trends: Lake Perception

- Slight increase in aquatic plant growth
- Recreational perception more closely linked to changes in water quality than weeds



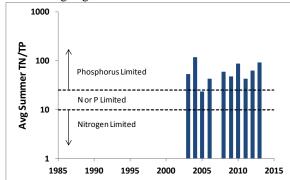
Long Term Trends: Bottom Phosphorus

- Most bottom TP similar to surface TP
- Despite strong thermal layer, likely little migration of TP from bottom to surface



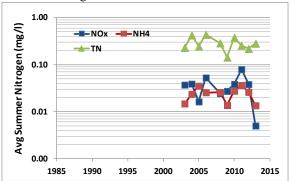
Long Term Trends: N:P Ratio

- No trends apparent
- Most readings indicate phosphorus limits algae growth



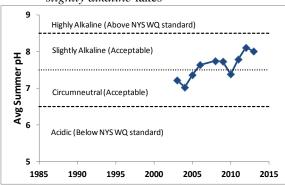
Long Term Trends: Nitrogen

- No trends apparent
- Low NOx, ammonia, and total nitrogen readings



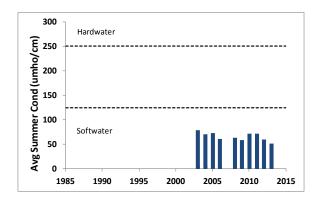
Long Term Trends: pH

- pH increasing since early 2000s
- Most readings typical of *circumneutral* to *slightly alkaline* lakes



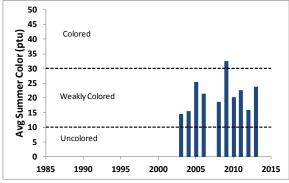
Long Term Trends: Conductivity

- No trends apparent
- Most readings typical of *softwater* lakes



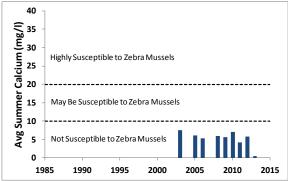
Long Term Trends: Color

- No trends apparent
- Most readings typical of *weakly colored* lakes, but shouldn't affect water clarity



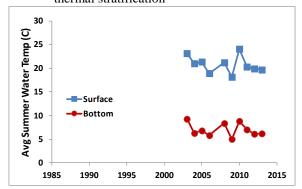
Long Term Trends: Calcium

- No trends apparent
- Most readings indicate low susceptibility to zebra mussels, which are not found in lake



Long Term Trends: Water Temperature

- No trends apparent in surface temperatures
- Low deepwater temperatures indicate strong thermal stratification



Appendix D: Algae Testing Results from SUNY ESF Study

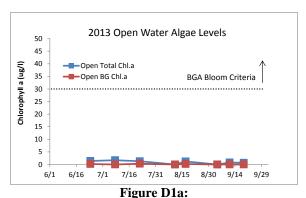
Most algae are harmless, naturally present, and an important part of the food web. However excessive algae growth can cause health, recreational, and aesthetic problems. Some algae can produce toxins that can be harmful to people and animals. High quantities of these algae are called harmful algal blooms (HABs). CSLAP lakes have been sampled for a variety of HAB indicators since 2008. This was completed on selected lakes as part of a NYS DOH study from 2008-2010. In 2011, enhanced sampling on all CSLAP lakes was initiated through an EPA-funded project that has continued through the current sampling season. This study has evaluated a number of HAB indicators as follows:

- Algae types blue green, green, diatoms, and "other"
- Algae densities
- Microscopic analysis of bloom samples
- Algal toxin analysis

Some of these results are reported in other portions of these reports. This appendix the seasonal change in blue green algae, other algae types, and the primary algal toxin (microcystin-LR, a liver toxin). Analysis was completed on open water samples and, for some lakes, shoreline samples that were collected when visual evidence of blooms were apparent. Results are compared to the DEC criteria of 30 ug/l blue green chlorophyll a and 20 ug/l microcystin-LR (based on the World Health Organization (WHO) threshold for unsafe swimming conditions) and the WHO provisional criteria for long-term protection of treated water supplies (= 1 ug/l microcystin-LR). The data for algae types are drawn from a high end fluorometer used by SUNY ESF. While these results are useful for timely approximation of lake conditions, they are not as accurate as the total chlorophyll results measured as a regular part of CSLAP since 1986 in all open water samples. Therefore these results are used judiciously in the assessment of sampled waterbodies.

Two separate samples are evaluated. A sample is taken at the CSLAP sample point at the deepest point of the lake at every sample session. In addition, shoreline samples can be taken when a bloom is visible. It should be noted that shoreline conditions can vary significantly over time and from one location to another. The shoreline bloom sampling results summarized below are not collected as routinely as open water samples, and therefore represent snapshots in time. It is assumed that sampling results showing high blue green algae and/or toxin levels indicate that algae blooms may be common and/or widespread on these lakes. However, the absence of elevated blue green algae and toxin levels does not assure the lack of shoreline blooms on these lakes. Elevated open water readings may indicate a higher likelihood of shoreline blooms, but in some lakes, these shoreline blooms have not been (well) documented.

The results from these samples are summarized within the CSLAP report for the lake.



2013 Open Water Total and BGA Chl.a-North



Figure D3a: 2013 Shoreline Total and BGA Chl.a-North

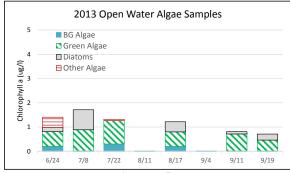


Figure D5a: 2013 Open Water Algae Types-North

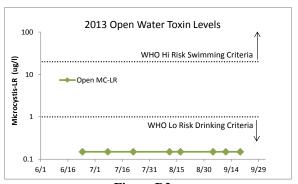


Figure D2a: 2013 Open Water Microcystin-LR-North

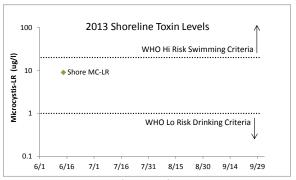


Figure D4a: 2013 Shoreline Microcystin-LR-North

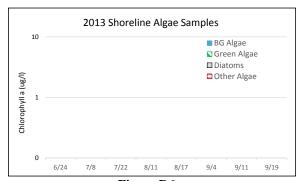


Figure D6a: 2013 Shoreline Algae Types-North

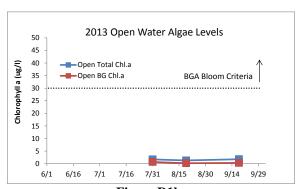


Figure D1b: 2013 Open Water Total and BGA Chl.a-South



Figure D3b: 2013 Shoreline Total and BGA Chl.a-South

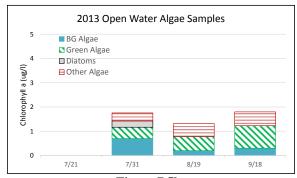


Figure D5b: 2013 Open Water Algae Types-South

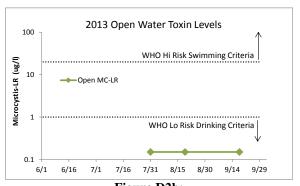


Figure D2b: 2013 Open Water Microcystin-LR-South

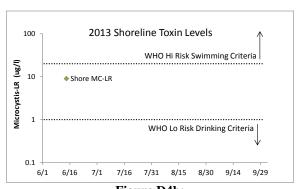


Figure D4b: 2013 Shoreline Microcystin-LR-South

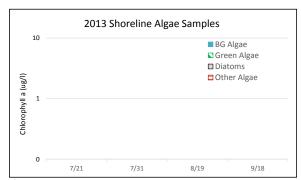


Figure D6b: 2013 Shoreline Algae Types-South

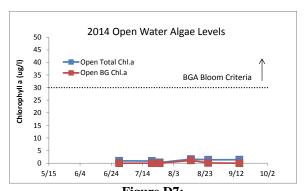


Figure D7: 2014 Open Water Total and BGA Chl.a-North

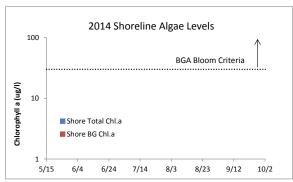


Figure D9: 2014 Shoreline Total and BGA Chl.a-North

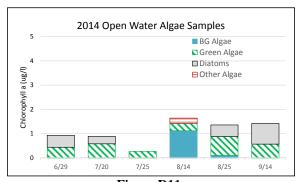


Figure D11: 2013 Open Water Algae Types-North

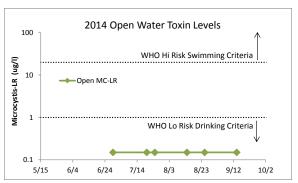


Figure D8: 2014 Open Water Microcystin-LR-North

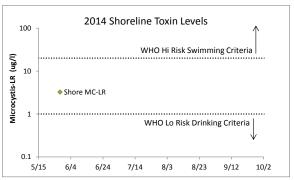


Figure D10: 2014 Shoreline Microcystin-LR-North

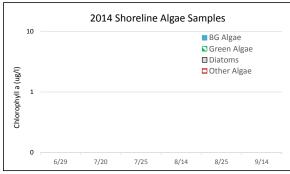


Figure D12: 2014 Shoreline Algae Types-North

Appendix E: AIS Species in Essex and Warren County

The table below shows the invasive aquatic plants and animals that have been documented in Essex and Warren County, as cited in either the iMapInvasives database (http://www.imapinvasives.org/) or in the NYSDEC Division of Water database. These databases may include some, but not all, non-native plants or animals that have not been identified as "Prohibited and Regulated Invasive Species" in New York state regulations (6 NYCRR Part 575; http://www.dec.ny.gov/docs/lands_forests_pdf/islist.pdf).

This list is not complete, but instead represents only those species that have been reported and verified within the county. If any additional aquatic invasive species (AIS) are known or suspected in these or other waterbodies in the county, this information should be reported through iMap invasives or by contacting NYSDEC at downfo@dec.ny.gov.

Aquatic Invasive Species – Essex and Warren County											
Waterbody	Kingdom	Common name	Scientific name								
Augur Lake	Plant	Eurasian watermilfoil	Myriophyllum spicatum								
Bartlett Pond	Plant	Eurasian watermilfoil	Myriophyllum spicatum								
Brant Lake	Plant	Eurasian watermilfoil	Myriophyllum spicatum								
Brant Lake	Plant	Curly leafed pondweed	Potamogeton crispus								
Butternut Pond	Plant	Eurasian watermilfoil	Myriophyllum spicatum								
Chapel Pond	Animal	Allegheny crayfish	Orconectes obscurus								
Crandall Pond	Plant	Eurasian watermilfoil	Myriophyllum spicatum								
Daggett Pond	Plant	Eurasian watermilfoil	Myriophyllum spicatum								
Eagle Lake	Plant	Eurasian watermilfoil	Myriophyllum spicatum								
Franklin Falls Pond	Plant	Eurasian watermilfoil	Myriophyllum spicatum								
Franklin Falls Pond	Plant	Curly leafed pondweed	Potamogeton crispus								
Friends Lake	Animal	Banded mystery snail	Viviparus georgianus								
Glen Lake	Animal	Zebra mussel	Dreissena polymorpha								
Glen Lake	Plant	Eurasian watermilfoil	Myriophyllum spicatum								
Glen Lake	Plant	Brittle naiad	Najas minor								
Glen Lake	Plant	Curly leafed pondweed	Potamogeton crispus								
Goodnow Flowage	Plant	Brittle naiad	Najas minor								
Highlands Forge Lake	Plant	Eurasian watermilfoil	Myriophyllum spicatum								
Hovey Pond	Plant	Eurasian watermilfoil	Myriophyllum spicatum								
Lake Champlain	Animal	Spiny waterflea	Bythotrephes longimanus								
Lake Champlain	Animal	Zebra mussel	Dreissena polymorpha								
Lake Champlain	Plant	Variable watermilfoil	Myriophyllum heterophyllum								
Lake Champlain	Plant	Eurasian watermilfoil	Myriophyllum spicatum								
Lake Champlain	Plant	Water chestnut	Trapa natans								

Waterbody King		Common name	Scientific name
Lake Eaton	Plant	European frogbit	Hydrocharis morsus-ranae
Lake Flower	Plant	Variable watermilfoil	Myriophyllum heterophyllum
Lake George	Animal	Zebra mussel	Dreissena polymorpha
Lake George	Plant	Eurasian watermilfoil	Myriophyllum spicatum
Lake George	Animal	Virile crayfish	Orconectes virilis
Lake George	Plant	Curly leafed pondweed	Potamogeton crispus
Lake George	Animal	Spiny waterflea	Bythotrephes longimanus
Lake George	Animal	Asian clam	Corbicula fluminea
Lake George	Animal	Zebra mussel	Dreissena polymorpha
Lake George	Plant	Brittle naiad	Najas minor
Lake Luzerne	Plant	Eurasian watermilfoil	Myriophyllum spicatum
Lake Luzerne	Plant	Curly leafed pondweed	Potamogeton crispus
Lake Placid	Plant	Variable watermilfoil	Myriophyllum heterophyllum
Lake Sunnyside	Plant	Eurasian watermilfoil	Myriophyllum spicatum
Lincoln Pond	Plant	Eurasian watermilfoil	Myriophyllum spicatum
Long Pond	Plant	Eurasian watermilfoil	Myriophyllum spicatum
Long Pond	Animal	Allegheny crayfish	Orconectes obscurus
Loon Lake	Plant	Eurasian watermilfoil	Myriophyllum spicatum
Minerva Lake	Plant	Eurasian watermilfoil	Myriophyllum spicatum
Mirror Lake	Plant	Broadleaf Water-milfoil	Myriophyllum heterophyllum
Mirror Lake	Plant	Curly leafed pondweed	Potamogeton crispus
Nichols Pond	Animal	Allegheny crayfish	Orconectes obscurus
North Pond	Plant	Eurasian watermilfoil	Myriophyllum spicatum
North Pond	Plant	Eurasian watermilfoil	Myriophyllum spicatum
Oseetah Lake	Plant	Eurasian watermilfoil	Myriophyllum spicatum
Paradox Lake	Plant	Eurasian watermilfoil	Myriophyllum spicatum
Paradox Lake	Plant	Curly leafed pondweed	Potamogeton crispus
Penfield Pond	Plant	Eurasian watermilfoil	Myriophyllum spicatum
Putnam Pond	Plant	Eurasian watermilfoil	Myriophyllum spicatum
Rogers Pond	Plant	European frogbit	Hydrocharis morsus-ranae
Schroon Lake	Plant	Eurasian watermilfoil	Myriophyllum spicatum
Schroon Lake	Plant	Curly leafed pondweed	Potamogeton crispus
Schroon Lake	Animal	Rudd	Scardinius erythrophthalmus
Trout Lake	Animal	Rusty crayfish	Orconectes rusticus
Webb Royce Swamp	Plant	European frogbit	Hydrocharis morsus-ranae
Woodruff Pond	Plant	Eurasian watermilfoil	Myriophyllum spicatum

Appendix F: Watershed and Land Use Map for Schroon Lake

This watershed and land use map was developed using USGS StreamStats and ESRI ArcGIS using the 2006 land use satellite imagery. The actual watershed map and present land uses within this watershed may be slightly different due to the age of the underlying data and some limits to the use of these tools in some geographic regions and under varying flow conditions. However, these maps are intended to show the approximate extent of the lake drainage basin and the major land uses found within the boundaries of the basin.

