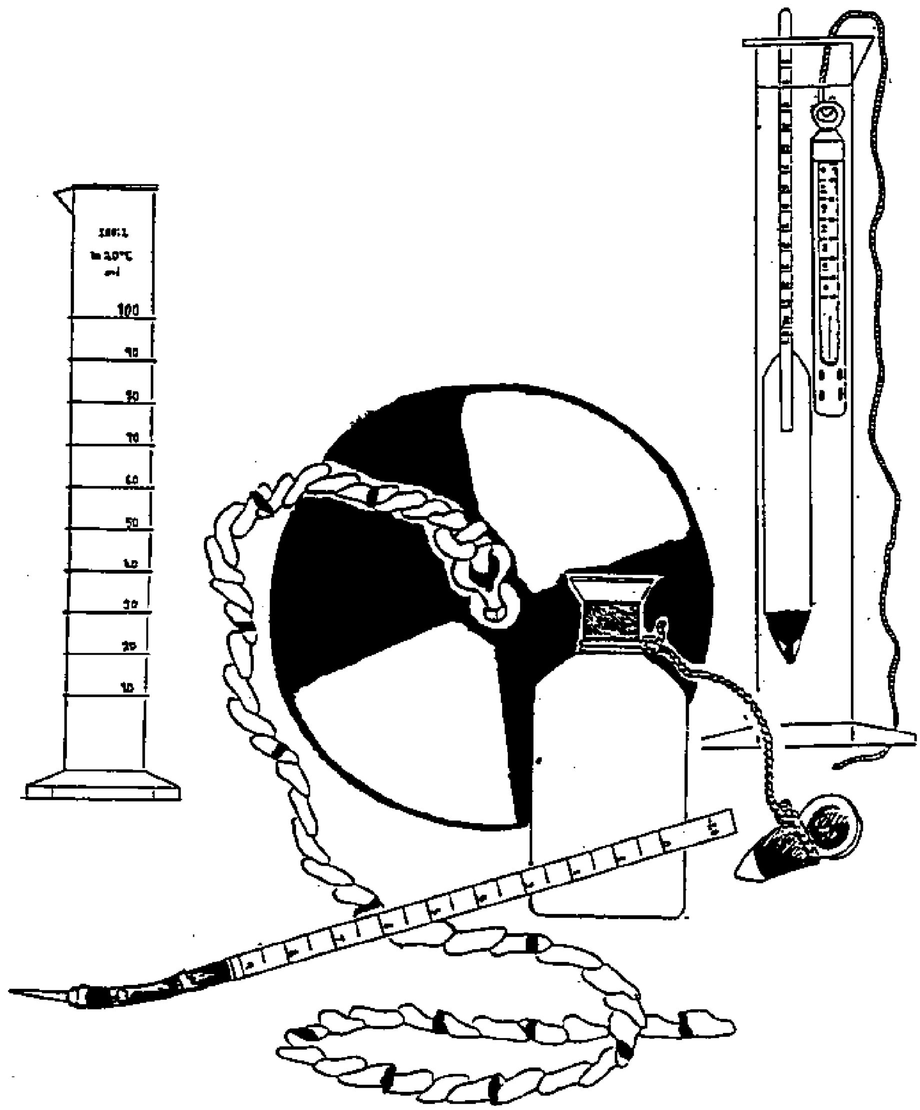
Great Bay Watch

A Citizens' Monitoring Program



Office of State Planning / Coastal Program Grant

Final Report

June 30, 1996

Great Bay Watch

A Citizens' Monitoring Program

Final Report to Office of State Planning

for

November 15, 1995 to June 30, 1996

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Sea Grant Extension

a part of the

Cooperative Extension Program

at the

University of New Hampshire

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"Helping You Put Knowledge and Research To Work"
The University of New Hampshire Cooperative Extension is an equal opportunity educator and employer, U.S. Department of Agriculture and N.H. counties cooperating.

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UNIVERSITY OF NEW HAMPSHIRE COOPERATIVE EXTENSION

Sea Grant New Hampshire/Maine

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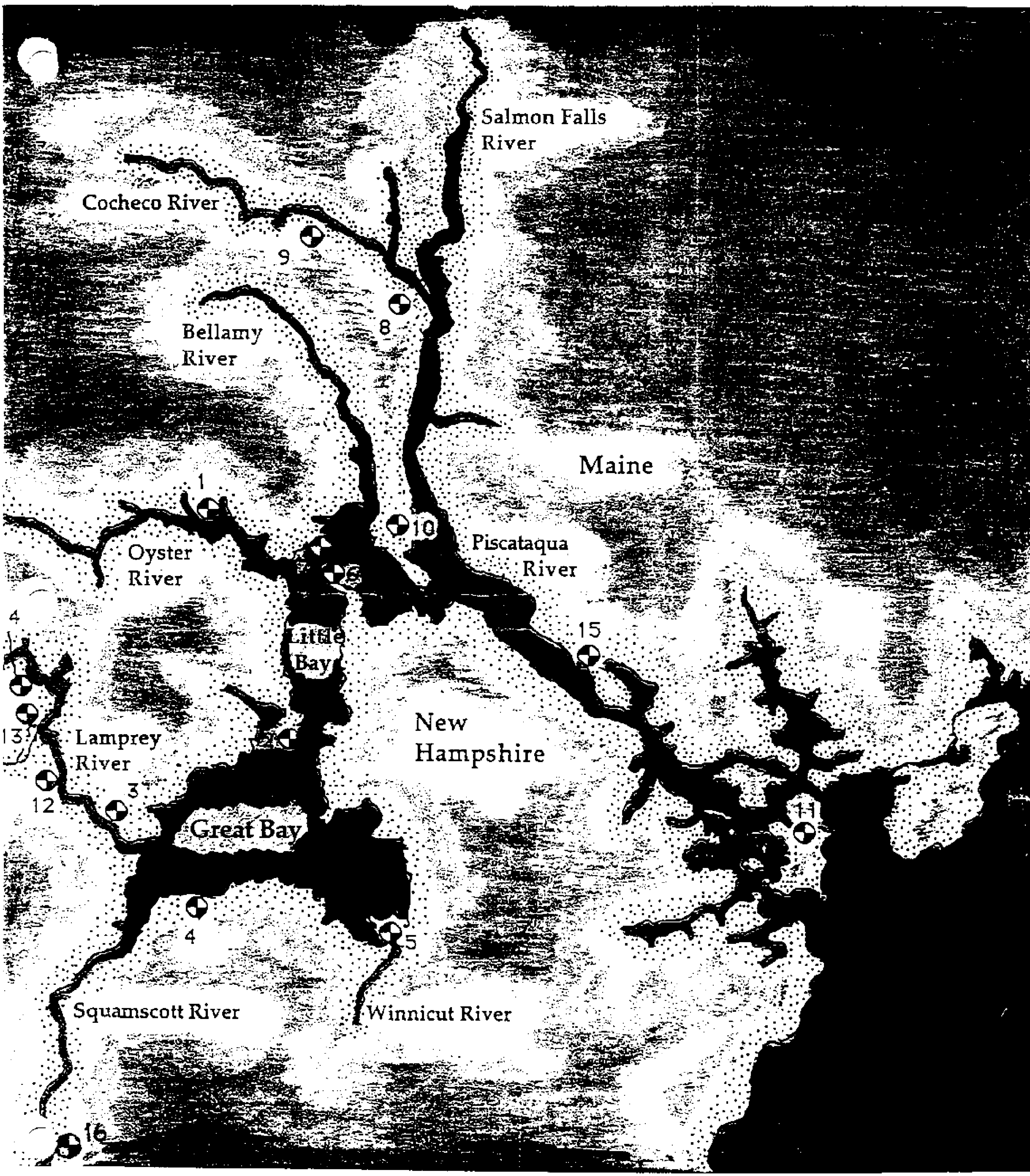
Introduction

The Great Bay Estuary is one of two estuaries in New Hampshire. The system involves eight rivers, Little Bay and Great Bay, and one-third of the watershed is located across the Piscataqua River in Maine.

According to several assessments by various government and state agencies, the Great Bay Estuary is undergoing stress as is witnessed by the closing of more than half its shellfish beds for nearly a decade. Although most sewage treatment plants have been upgraded to at least secondary treatment status, coliform counts are high in some portions of the rivers and the bays. There is potential for increased nutrient-loading, oil spills, and toxic pollution from re-suspended solids and from several Super Fund sites at the former Pease Air Force base.

The Great Bay Watch is a volunteer estuarine monitoring group of adults, teachers and students who have been taking samples and making analyses of several parameters, including dissolved oxygen, temperature, water transparency, salinity, pH and fecal coliform bacteria for the past five years. Their mission is to add information to the long term data base being developed for the estuary by the University of New Hampshire's Jackson Estuarine Laboratory and the Great Bay National Estuarine Research Reserve. Activities of the program bring attention to critical problems in water quality that are developing in the estuarine system. The Great Bay Watch is also an educational program that has done much to inform communities around the estuary about the need to conserve this valuable estuarine system. The volunteers are actively involved in this effort, as they, in turn, go back to the communities and share their knowledge and experiences. Staff members and volunteers participate in local, regional and national conferences and workshops, which help citizens to become better informed decision-makers.

Site Name	Site #	Location	Town
Peninsula (Smith's)	1	Oyster River	Durham
Jackson Estuarine Lab	2	Great Bay	Durham
Lamprey River	3	Lamprey River	Newmarket
Depot Road	4	Great Bay (GBNERR)	Greenland/ Stratham
Portsmounth Country club	5	Winnicut River	Greenland/ Stratham
Fox Point	6	Little Bay	Newington
Cedar Point	7	Little Bay	Durham
Neals'/Williams'	9	Cocheco River	Dover
Clarks'	10	Piscataqua River	Dover
Coastal Marine Lab	11	Piscataqua River	New Castle
Waste Water Treatment Facilit	12	Lamprey River	Newmarket
Marina Falls Landing	13	Lamprey River	Newmarket
Fowlers'	14	Lamprey River	Newmarket
Patten Yacht Yard, Inc.	15	Piscataqua River	Eliot, Me
Exeter Town Docks	16	Squamscott River	Exeter


Salmon Falls
River
Cocheco River
9
8
Bellamy
River
Maine
1
10
Oyster
River
Piscataqua
River
7
6
4
15
Little
Bay
13
Lamprey
River
2
New
Hampshire
12
3
11
Great Bay
4
5
Squamscott River
Winnicut River
16

Project Goals and Objectives

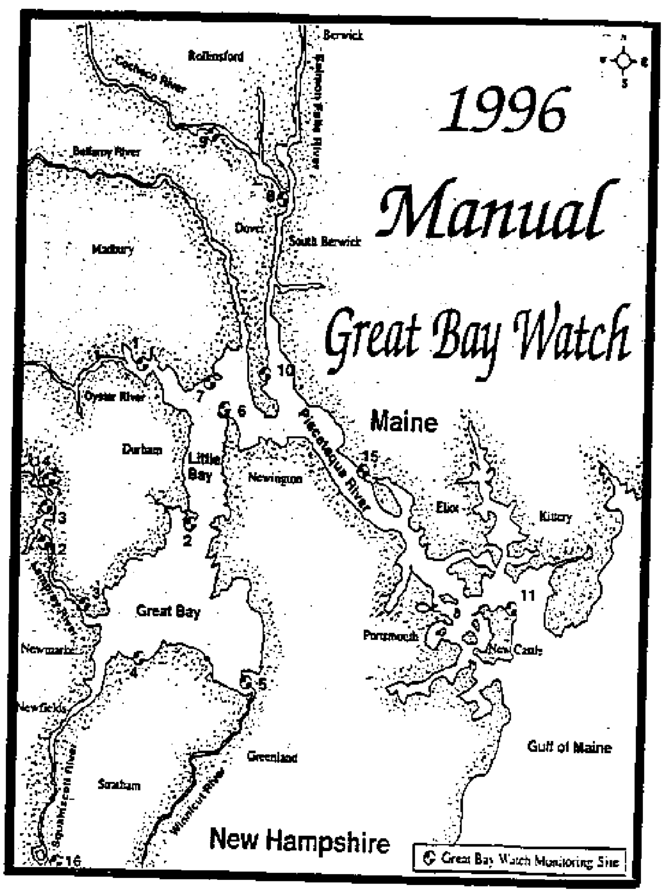
Funds were requested in order to:

1.) Revise and print an updated Water Quality Monitoring Manual and accompanying lessons.

2.) Recruit and train volunteers in the Program's sampling techniques.

3.) Analyze the data collected during the 1995 sampling season and prepare and print the annual year-end report.

4.) Begin sampling (April 1996) and continue through June of 1996.



Project Outcome

1.) The Great Bay Watch 1996 Water Quality Monitoring Manual was revised and rewritten, updated with new information, illustrated, printed, and distributed. We have enclosed one copy for your review.

Accompanying lessons for the many students involved in the Great Bay Watch were written by Barbara Hopkins of Oyster River High School, and Joyce Tugel of Marshwood High School. A copy of these lessons is included as Appendix A.

2.) An additional 35 volunteers were recruited through the various means listed below:

GBW teachers' meetings

Sea Grant Staff Meetings

Word-of-mouth

UNH Water Resources staff meeting

Press releases

Gulf of ME Water Quality Monitoring Conference

Morse Hall Women in Science Poster display and demonstrations

Public service announcements for radio

GBW's technical advisory meetings

Strafford County Cooperative Extension Newsletter

Seacoast Science Center display and program

ElderHostel display

UNH/Thompson School Greenhouse Open House

New Hampshire Science Teachers' Association Spring Conference

SEAC at UNH's Earth Day festivities display and resulting Portsmouth Herald article

In-Service Day display

Continuing monthly articles in the Docent Doings newsletter

Training for 33 new and experienced volunteers was held on March 20th. Jeff Schloss of UNH Cooperative Extension Water Resources gave an in-depth presentation about the importance of dissolved oxygen, and demonstrated the Great Bay Watch's dissolved oxygen procedure. Ann Reid followed up on March 27th with demonstrations and training for the other procedures with 22 new "Watchers."

An additional 14 volunteers who joined the Great Bay Watch subsequent to the training sessions were trained in individual groups by Ann Reid, assisted by workstudy students Damon Burt, '96 water resources graduate, Amy Carrier, Amy Manzelli, Shanna Hallas, Kim Foley, and Joanne Morrill.

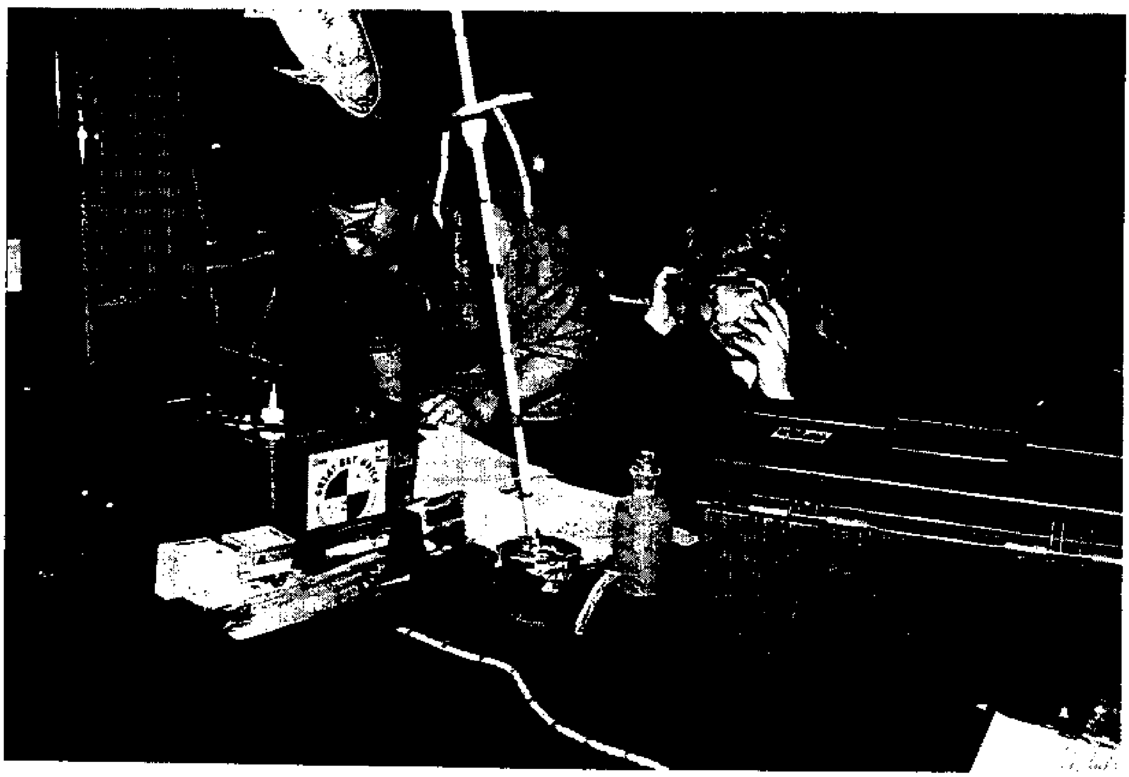


Photo: Ann Reid

Mother and son, Alison and Zak Adamczyk, one of the new home schooled families in the Watch.

3.) The data from the 1995 sampling season was checked for precision and accuracy, reviewed for trends, and condensed into the 1995 Great Bay Watch Annual Report. Please refer to pp.29-45 in the Report for a summary of the six-year trends for water quality in the Great Bay. One copy of this has been enclosed for your review, and another has been sent with the March 31st project report.

4.) On April 10th from 2-8 PM, 55 volunteers of the Great Bay Watch were certified at a Quality Assurance/Quality Control (QA/QC) session. Each of the volunteers met or exceeded Great Bay Watch standards. Thus, they were well prepared for the first sampling day on April 18th. Please refer to Appendix B for the statistical results of this QA/QC session.

In preparation for the sampling season, supplies were carefully inventoried, documented, and additional supplies were ordered as needed. Additional supplies were also ordered as needed throughout the sampling season. The existing supplies were calibrated by Amy Lindsay, UNH Chemistry Lab Supervisor, to ensure their accuracy in the 1996 sampling season.

The sampling season began as scheduled on April 18th, with subsequent sampling days occurring as planned. A complete list of sampling days for the 1996 sampling season is included as Appendix C, or refer to page 46 of the Great Bat Watch 1996 Manual.

As of June 30, 1996, five sampling days have been conducted. The collected data for this portion of the sampling season is included as Appendix D.

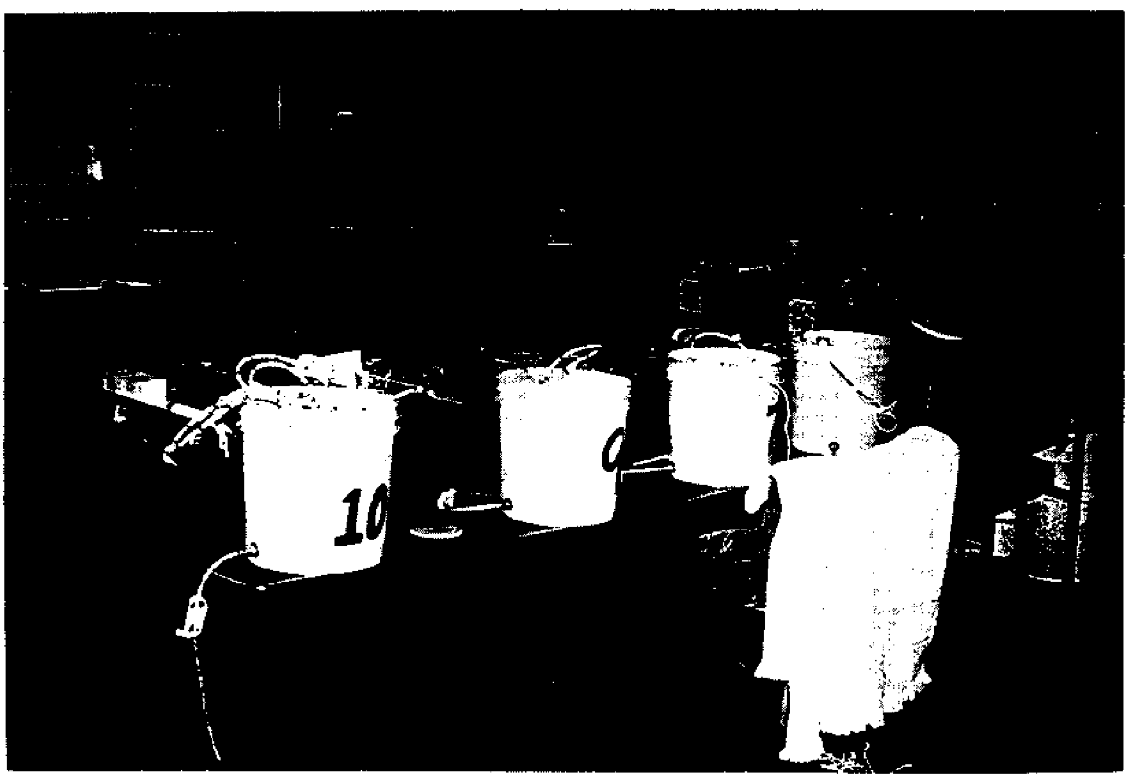


Photo: Ann Reid

Inventory and preparation for sampling season #7.

Volunteer Match

In the time between November 15, 1995 and June 30, 1996, the Great Bay Watch had a total of 130 volunteers who contributed 1,259 hours to the Great Bay Watch. This exceeds our required match of a minimum of 1,083 volunteer hours.

Statement of Budget Spent

Appropriation Unit	*Original Budget*	*Actual Spent*
Labor	$7920.00	$7915.53
Fringe Benefits	$ 477.00	$ 477.00
Travel	$ 379.00	$ 272.40
Supplies	$1521.00	$1514.00
Indirect Costs	$2703.00	$2703.00
Total	$13,000.00	$12,881.93

Photo: Ann Reid

New trainee and UNH student, Daniel Eves.

Great Bay Watch
Activities & Lessons

Title: Descriptive and attention-grabbing!

Grade Levels: Target audience for lesson/activity.

Overview: A brief description of the total lesson. Include goals and activities.

Learning Objectives: List specific knowledge or skills and the curriculum area to which they apply. These objectives should be measureable and connected through the intended assessment. Objectives should begin with phrases such as "Students will be able to...

Benchmarks/ National Science Standards/New Hampshire State Curriculum Frameworks: List the performance standards that are involved in this lesson from the curriculum frameworks. If possible seek-out connections in at least two curriculum areas [e.g. science and math, science and social studies].

Materials & Supplies: Specify all materials or supplies needed for a class of 24 students to complete the activity. Students may be grouped, but the number of students in groups should be specified. Be sure to include resources for hard-to-find items in the resources section.

Introduction: A detailed description of the initial activities or discussion that will introduce the lesson.

Approach to Learning: Specify how the teacher will guide or coach the students through the learning phase. This should be a play-by-play chronology of the tasks used to engage the students in building their understanding of the concepts or skills described in the learning objectives. Activities should involve active manipulations of materials or data by the students.

Extensions to Learning: These activities are designed to enable students to apply their new skills or understanding beyond the classroom. These may involve projects, research components, writing to communicate ideas or understanding, and interactions with new materials.

Assessment: How will the teacher assess student skills or understanding? The learning objectives should be connected to the assessment vehicles. Assessments may be in paper and pencil format, or performance in nature. Be sure to include appropriate scoring keys or rubrics.

Additional Resources: State pertinent suppliers or resource personnel for supplies and materials. Potential guest speakers, field trips, industrial, or university contacts should be listed in a general form [i.e. local university or college personnel, county extension service].

Adaptations: Variations applicable to other grade levels or disciplines.

****Lesson Review:** Please keep a separate disk to save lessons in ASCII format. This will ensure compatibility between various software programs

Title: How to face the change....pH..pH..changes? With Bowie or buffers?

Grade Levels: Middle/High School

Overview: How does freshwater and saltwater compare in their ability to resist changes in pH? This activity introduces buffering systems to students with previous experience in testing for pH. Students gradually add acids and bases to freshwater and saltwater samples while monitoring their pH. Graphs are constructed and interpreted for the relative changes that have occurred.

Learning Objectives:
Students will be able to:
- Demonstrate their measurement skills through the use of a pH meter.
- Construct titration graphs and interpret varying slopes of curves.
- Explain how a buffering system behaves with the addition of acids or bases.
- Explain the importance of buffering systems in the environment.

Benchmarks/ National Science Standards/New Hampshire State Curriculum Frameworks:
Benchmarks - The Nature of Science - The Scientific World View, Scientific Inquiry
The Nature of Mathematics - Patterns and Relationships,
The Nature of Technology - Technology and Science
The Living Environment - Flow of Matter and Energy
Common Themes - Systems, Models, Constancy and Change, Scale
Habits of Mind - Manipulation and Observation, Communication Skills, Critical-Response Skills

New Hampshire Curriculum Frameworks
K-12 Mathematics - Data Analysis, Statistics, and Probability
Mathematics of Change
K-12 Science -Physical Science
Unifying Themes and Concepts

Materials & Supplies:
pH meters
Beral pipets or Burets
Beakers or clear plastic containers for samples
Water samples - freshwater, seawater, distilled water
Hydrochloric Acid 0.1 M
Sodium Hydroxide 0.1 M
Optional: Buffered & Regular Aspirin
Acetic Acid Solution [vinegar] buffered with sodium acetate

Introduction: Students should already be familiar with the operation of a pH meter and burets[if they are to be used]. Many students are already familiar with the problem of acid occurrences, and realize that lakes, ponds, and plants can be adversely affected by the addition of acids. This activity can very quickly show students how different water systems behave as an acid or base is added.

You may want to begin by asking students to predict what they think would happen to the pH of the water samples if a strong acid were to be added. Students should record their hypothesis, and then begin the activity of monitoring the pH as an acid is added. What is the value of a buffered system? How does nature create these systems? What other types of buffering systems exist in nature? In your body? The possibilities for further research and study are numerous. What negative effects have occurred because of changing pH in water systems? How have people contributed to these acid occurrennces? What can you do to repair an acid-damaged environment?

Approach to Learning:

- Obtain three different water samples.
- Record the pH of these samples as HCl is slowly added. This may be done with a buret to measure the amount of acid added [measure pH with every 1.0 mL added] or with beral pipets [record pH after 5 or 10 drops of acid is added]. Continue to add the acid until the pH remains constant.
- Obtain new water samples and repeat the process above using sodium hydroxide [NaOH].
- Graph the resulting data for each water sample.
- Compare the three different graphs for the volume of acid or base needed to change the pH.
- Use GBW data to correlate the pH changes from low tide to high tide, over seasons, and after significant rainfall or spring ice melts.
- Ask students to write a discussion of their results noting the relative pH changes of the water samples.

Extensions to Learning:

- Use buffered and regular aspirin dissolved in distilled water as two additional samples to test in the procedure above. How do the water samples compare to these solutions? Which seems to mimic the response of the buffered aspirin?
- Research buffered systems and create your own [acetic acid and sodium acetate] to show how the addition of salts help to prevent changes in pH. Use equations and ionization constants to show how the particles respond when acids or bases are added to a buffered system.
- Correlate the buffering systems found in the human body, or carbonate systems in caves [stalactites].
- Ask students to write an explanation of "buffering" and apply it to other types of systems such as land use or architecture.
- Have students test the pH of soil samples from their own gardens. What course of action would they take if the soil were too acidic or too basic?

Assessment: Assessments can also be made with their graphs and written discussions. Use a buffered solution as part of a lab practical. Ask students to suggest ways in which soils might play a role in the buffering of a lake or pond.

Additional Resources:

- Invite in guest speakers from county extension agents, private water quality scientists, conservation committees, soil scientists, and other university personnel.
- Obtain acid precipitation data and pH information from other water systems in the state, U.S., or world.
- The "Planet Under Pressure" TV series [Annenberg Productions/Public TV] has wonderful, thought-provoking videos that engage viewers in the global effects of their everyday life.
- Dr. Barry Rock, Complex Systems, University of New Hampshire has worked with acid occurrences around the world relative to forest ecosystems.

Adaptations: This activity can be adjusted for younger children by using weaker acids and bases [vinegar and baking soda], and eliminating the equations/calculations. Use universal indicator to show the changes in pH instead of the pH meters.

Great Bay Watch
Activities & Lessons

Title: Pollution, pH, & Problem Solving: A hazardous waste whodunit

Grade Levels: 9 - 12

Overview: This activity is based on a real-life pollution issue. Students rely upon their creative and critical thinking skills to identify the Potentially Responsible Party (PRP) of a groundwater contamination problem. After identifying a region of low pH, a topographic map is used to determine the direction of groundwater flow. When this information is superimposed on a site map, the source of the pollutant becomes evident. Students write a letter explaining the problem and offer their suggestions for remediation.

Learning Objectives:

Students will measure the pH of water samples.
Students will determine the region of contamination using a site map and the pH data.
Students will predict the direction of groundwater flow using a topographic map.
Students will identify the source of contamination by comparing the region of low acidity to the groundwater flow interpretations.
Students will learn how science plays a meaningful role in solving local water quality problems.
Students will understand that it is easier to prevent groundwater contamination than clean contaminated groundwater.

Benchmarks/National Science Standards/New Hampshire State Curriculum Frameworks:

The Nature of Science: Scientific Inquiry, Scientific Enterprise
The Living Environment: Interdependence of Life
Human Society: Social Conflict, Social Trade-offs
The Designed World: Agriculture, Materials and Manufacturing
Common Themes: Constancy and Change
Habits of Mind: Values and Attitudes, Computation and Estimation, Manipulation and Observation, Communications Skills, Critical Response Skills

Materials & Supplies:

pH paper or pH meter
Water samples, labeled by sample #, acidified with 0.1 M HCl to the following pH values:

pH	Sample #'s
2	10,11
3	14
4	3,4,13,16
5	15
6	1,2,6,8,12,17,18,20,22,24,26
7	5,7,9,19,21,23,25,27

Site maps, topographic maps (Appendix A)

Introduction: Students are probably aware of groundwater problems in their community, and a discussion of sources of local contamination might include heavy metals, petroleum derivatives, biocides, or other synthetic substances. While it is expensive to test for these compounds and requires speciallized intstrumentation, inserting small plastic wells into the ground, collecting the groundwater, and assessing the groundwater pH is relatively easy and inexpensive.
If this activity is used as an introduction to acids, bases, and the pH scale, reinforce that low pH values mean high acidity.

Approach to Learning: The activity begins by forming an environmental consulting firm. After reading the preliminary report (Appendix A), the class is divided into research teams consisting of 3-4 students. Each team conducts pH measurements on an allotment of the water samples that were "collected" from the 27 wells (if there are six groups, each will have 4-5 samples). The teams then share their data, and each group highlights the wells that appear to have high acidity. At this point, the gas station, private landfill, and gravel pit seem to be possible sources of contamination.

At the same time, each group designates a member to become a topographic map specialist. The map readers, using the elevation delineations on the topographic map and knowing that water generally flows from higher to lower elevation, draw a dark arrow on their topographic map, noting the direction of water flow from the crest of the hill to the river.

The map specialists return to their team, and the site map noting the suspicious region is superimposed on the topographic map. Combining this information, students can then determine the PRP to be the gravel pit.

To end the activity, students can be told that a car reconditioning business adjacent to the gravel pit has been paying the gravel pit owner to bury barrels of paint stripping solvents. The barrels are now corroding, and the liquid is leaching through the sand, into the groundwater. Many questions now arise: Who is responsible for the cleanup, how much will it cost, what will happen to the property value and health of the neighboring homeowners, and what will be their future source of water?

Extensions to Learning:

Students may further investigate the interrelationship between local watersheds and biological or chemical contamination:

*It is often said, "The solution to pollution is dilution". What are possible point and nonpoint sources of pollution in your area? How does your watershed flow, and where would the pollution go?

*How do local or state agencies monitor activites that might lead to groundwater contamination in your area?

*It is easier to prevent groundwater contamination than clean contaminated groundwater. How is contaminated groundwater cleaned up? What can private citizens do to help prevent this financially and environmentally devastating problem from happening?

Assessment: Each student assumes the role of property or business owner, member of the local, state, or federal government, or another person affected by this incident. The student writes a letter that uses the data to explain the situation and suggests a possible solution.

Additional Resources: Guest speakers from the County Cooperative Extension Service, Water Supply and Pollution Control Commission, or local private environmental consulting firms.

Adaptations: To adapt for grades 6-8, eliminate the topographic map and water flow interpretation, and adjust the pH of the samples near the gas station and private landfill to 6 or 7.

Acknowledgement: This lesson was published as: Tugel, J.B. 1994. Pollution, pH, & Problem Solving. *The Science Teacher* 61(2):21-25.

APPENDIX A

CLEAN WATER ENVIRONMENTAL SERVICES, INC.
PRELIMINARY REPORT

REVIEW OF EXISTING INFORMATION:

The study site is located in a small town in New Hampshire. A river flows southward through the site. Some residents in the area have reported poor water quality from their wells recently. A county laboratory analyzed three residential well samples and identified elevated chloride levels, traces of dissolved heavy metals, and low pH levels.

INITIAL SITE WALKOVER INSPECTION:

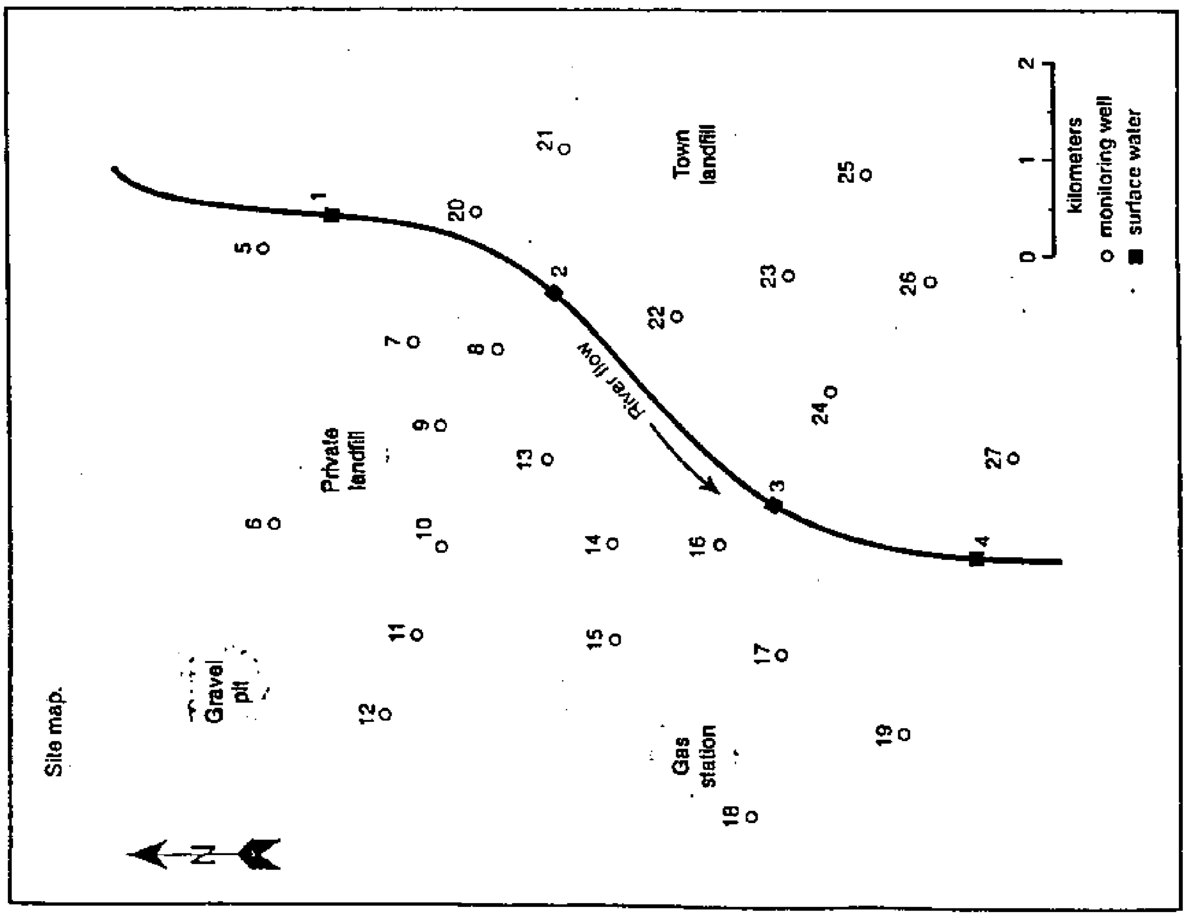
The potential sources of contamination in the area include a gravel pit located at the northwest edge of the site. The economic welfare of many of the townspeople depends on this facility. The town's solid waste is disposed of in a town-owned landfill located west of the river. Municipal and industrial solid waste from the surrounding towns is disposed of in a privately owned landfill located east of the river. Finally, there is an automobile service station located west of the river and south of the town's landfill. Gasoline is sold and vehicles are repaired routinely at this facility.

SUBSURFACE INVESTIGATION:

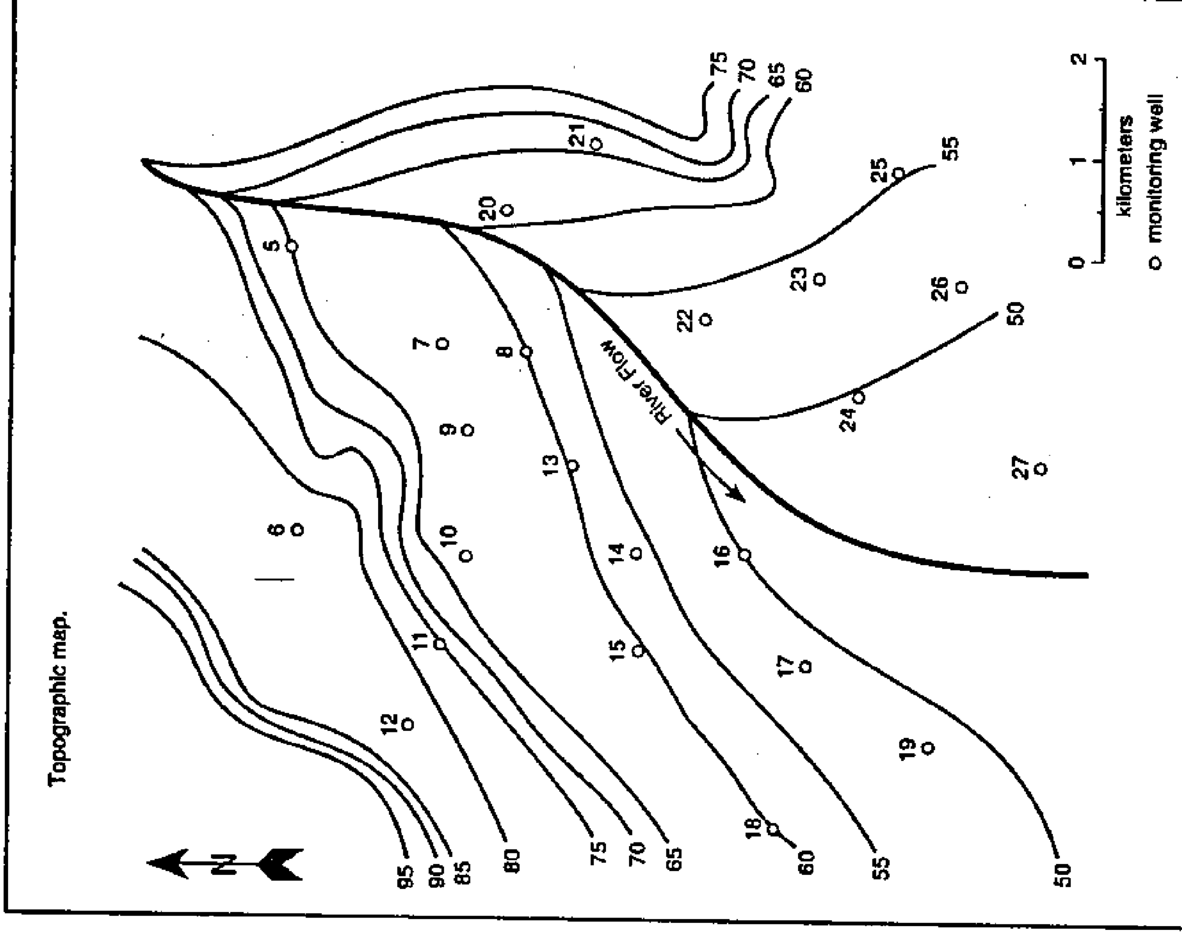
Holes were drilled throughout the study area and small diameter monitoring wells were installed so that groundwater samples could be obtained. Based on the water table elevation measurements in the monitoring wells, groundwater flow directions can also be determined.

COLLECTION OF GROUNDWATER SAMPLES:

Based on the review of existing information, the initial site walkover investigation, and the preliminary subsurface investigation, samples were collected from 23 monitoring wells and four sites on the river. All samples have been kept tightly capped and stored in a refrigerator.



Site map.



Topographic map.

Title: The Bucket Stops Here!

Grade Levels: 9-12

Overview: This activity investigates the effect of physical conditions on water quality variables in an aquatic system. Students collect water samples along a river that feeds into an estuarine system, and water quality parameters are compared to proximity to the ocean.

Learning Objectives:

Students will be able to use a map to locate field sampling sites.
Students will learn field sampling protocol and laboratory analysis of water samples.
Students will be able to use the scientific process to test a hypothesis.
Students will analyze a dataset to determine the relationship of salinity, temperature, pH, and dissolved oxygen to proximity to the ocean.
Students will be able to understand the impact physical conditions have on an estuarine ecosystem.

Benchmarks/National Science Standards/New Hampshire State Curriculum Frameworks:

The Nature of Science: Scientific Inquiry
The Physical Setting: Motion
The Living Environment: Flow of Matter & Energy, Interdependence of Life
Human Society: Social Change, Trade-offs, Conflict
The Designed World: Agriculture
The Mathematical World: Relationships
Common Themes: Systems, Constancy, Change
Habits of Mind: Values, Attitudes, Estimation, Observation, Critical Response Skills

Materials & Supplies: This will depend upon which parameters you choose to measure. You will need one set of supplies for each site - except - salinity and pH measurements can be conducted back in the lab. Dissolved oxygen (DO) samples, once fixed by the first two chemicals, can be titrated in the lab.

Sampling bucket
Temperature: armored thermometer
Salinity: refractometer or hydrometer and cylinder
pH: pH meter
DO: Chemicals as described in the Great Bay Watch Manual or DO kit
Data sheets: Available in the Great Bay Watch Manual

Introduction: If students have not analyzed water samples before, you will need to explain and train students how to conduct each of the tests in advance (see Great Bay Watch Manual for descriptions of the parameters, field sampling and laboratory protocol).
Begin today's activity by asking students to pretend they're in a boat in your local river that leads to your estuarine system. Where are you going? What's different about the upland river area compared to where the river meets the sea? Today you will be quantifying some of these differences.
Develop a hypothesis that predicts how you think proximity to the ocean impacts each of the variables that you will be testing.

Approach to Learning:

Obtain a map of your region and select sampling sites (see Resources for map suppliers).
Recruit parent volunteers to be at each sampling site with the site team.
All teams will, at a designated time, collect a water sample and conduct the temperature, pH, salinity, and/or DO analyses.
Upon returning to class, compile all data.
Graph "distance from ocean" vs "temp", "pH", "salinity", and "DO". Students may want to graph each parameter separately, using appropriate ranges for each of the dependent variables.
Does your graph support your hypothesis? Why or why not?

Extensions to Learning:

Design investigations that would answer one of the following questions:

* What would happen if you followed the tide while sampling each site instead of conducting simultaneous collections?
*How would sampling at high tide vs low tide affect your results?
*How would a river sampling compare to a standing pond?
*What would a depth instead of a spatial profile look like?
*If point or nonpoint source pollution entered your system (eg. thermal pollution, fertilizers, storm drain runoff), how would that affect your results?

Assessment: Assessment in the form of student reports should include their original hypothesis, graph, and analysis of data that justifies their hypothesis about relationships between water quality parameters and proximity to the ocean. Understanding of ecosystems can be demonstrated through their suggestions for further investigation.

Additional Resources:

*USGS topographical maps are available at local stores and county agencies.
*The State of NH, by 1997, should have scan maps on the NH Resource Net; nhresnet.sr.unh.edu
*Faye Rubin, GIS Coordinator, University of NH, Durham, (603)862-1792 may have other resource ideas unique to your region.

Adaptations: To adapt for grades 7-8, conduct only salinity and temperature analyses. For assessment, ask students to use their data to write a story: You're a tiny creature in a toy boat. As you flow along the river to the ocean, what do you see? How is the taste and the feel of the water changing?

Title: Sleuths on Shore!

Grade Levels: High School

Overview: A mystery can provoke the Sherlock Holmes in students and put them in the scientists' role. Once students have participated in water quality testing, the necessary methods to measure the physical characteristics are now at their fingertips. Students may need additional practice to hone their measurement skills, and may begin to question how one characteristic might affect another. This is an ideal situation for promoting students as scientists! The analysis of Great Bay Watch [GBW] data through time will suggest relationships to students, but designing experiments to test out their ideas will generate ownership, creativity, and critical thinking skills that engage students. In this activity students will work in small teams to analyze a relationship between two of the physical parameters documented with GBW data, and then design an experiment to test out their hypothesis about that relationship. A total of six research teams will enable students to compare the influence temperature, salinity, pH, and dissolved oxygen play on each other. Cooperative learning strategies can be employed to help students work together and team reports can communicate their findings with the class or entire school.

Learning Objectives:
Students will be able to:

- Demonstrate their measurement skills through the use of a thermometer, hydrometer, and pH meter.
- Manipulate a spreadsheet to obtain graphs that compare one physical parameter to another, and determine a plausible relationship between the two.
- Use the scientific process to test a hypothesis, and interpret the results to support or negate their hypothesis.
- Work collaboratively with other students to design and implement an experiment.
- Use statistical tools in the analysis of data.
- Predict the effects of changing parameters on an estuarine system.

Benchmarks/ National Science Standards/New Hampshire State Curriculum Frameworks:

Benchmarks - The Nature of Science - The Scientific World View, Scientific Inquiry
The Nature of Mathematics - Patterns and Relationships,
Mathematics, Science, and Technology
The Nature of Technology - Technology and Science
The Living Environment - Flow of Matter and Energy
Common Themes - Systems, Models, Constancy and Change, Scale
Habits of Mind - Values and Attitudes, Computation and Estimation,
Manipulation and Observation, Communication Skills, Critical-Response Skills

New Hampshire Curriculum Frameworks
K-12 Mathematics - Problem Solving and Reasoning
Data Analysis, Statistics, and Probability
Mathematics of Change
K-12 Science -Science As Inquiry
Physical Science
Unifying Themes and Concepts

Quality Assurance / Quality Control Analyses

Parameter	GBW Standards		GBW Samplers	
	Accuracy	Precision	Accuracy	Precision
Salinity	0.82 ppt	1.00 ppt	0.40 ppt	0.58 ppt
D. O.	0.3 mg/L	0.9 mg/L	0.1 mg/L	0.2 mg/L
pH	0.1 pH units	0.1 pH units	0.1 pH units	0.1 pH units

Results of the QA/QC sessions are largely encouraging. Calculations for precision among volunteers show that variation among volunteers was fairly low. Calculations for accuracy among volunteers shows that, at this QA/QC session, for all parameters tested, the difference between the known values and the average of those obtained by the volunteers were fairly small. Therefore it seems clear that the Great Bay Watch volunteers can, and do, collect quality data.

Photo: Ann Reid

Rachael and Jessica Williams, mother-daughter, and Jamie Perrin, new trainees during QA/QC.

Appendix C

Great Bay Watch 1996 Sampling Season

Tidal and Sampling Times for 1996 Season																	
		adjustment	18-Apr	6-May	20-May	3-Jun	17-Jun	1-Jul	15-Jul	30-Jul	14-Aug	29-Aug	16-Sep	30-Sep	15-Oct	29-Oct	6-Nov
Low			6:07 AM	7:48 AM	7:53 AM	6:42 AM	6:52 AM	5:33 AM	5:53 AM	5:14 AM	6:00 AM	5:48 AM	7:38 AM	7:50 AM	7:10 AM	6:24 AM	1:23 PM
High			12:21 PM	2:04 PM	2:07 PM	12:58 PM	1:05 PM	11:48 AM	12:04 PM	11:29 AM	12:11 PM	12:02 PM	1:50 PM	2:04 PM	1:21 PM	12:36 PM	7:14 AM
Site 1 - Peninsula - Oyster River	LOW	1:50	7:57	9:38	9:43	8:32	8:42	7:23	7:43	7:04	7:50	7:38	9:28	9:40	9:00	8:14	15:13
	HIGH	1:45	14:06	15:49	15:52	14:43	14:50	13:33	13:49	13:14	13:56	13:47	15:35	15:49	15:06	14:21	8:59
Site 2 - Jackson Laboratory	LOW	2:00	8:07	9:48	9:53	8:42	8:52	7:33	7:53	7:14	8:00	7:48	9:38	9:50	9:10	8:24	15:23
	HIGH	2:00	14:21	16:04	16:07	14:58	15:05	13:48	14:04	13:29	14:11	14:02	15:50	16:04	16:21	14:36	9:14
Site 3 - Lamprey River	LOW	3:00	9:07	10:48	10:53	9:42	9:52	8:33	8:53	8:14	9:00	8:48	10:38	10:50	10:10	9:24	16:23
	HIGH	2:40	15:01	16:44	16:47	15:38	15:45	14:28	14:44	14:09	14:51	14:42	16:30	16:44	16:01	15:16	9:54
Site 4 - Depot Road (Sandy Pt) *	LOW	2:45	8:52	10:33	10:38	9:27	9:37	8:18	8:38	7:59	8:45	8:33	10:23	10:35	9:55	9:09	16:08
	HIGH	2:45	15:06	16:49	16:52	15:43	15:50	14:33	14:49	14:14	14:56	14:47	16:35	16:49	16:06	15:21	9:59
Site 5 - Portsmouth Country Club	LOW	2:40	8:47	10:28	10:33	9:22	9:32	8:13	8:33	7:54	8:40	8:28	10:18	10:30	9:50	9:04	16:03
	HIGH	2:20	14:41	16:24	16:27	15:18	15:25	14:08	14:24	13:49	14:31	14:22	16:10	16:24	15:41	14:56	9:34
Site 6 - Fox Point	LOW	2:00	8:07	9:48	9:53	8:42	8:52	7:33	7:53	7:14	8:00	7:48	9:38	9:50	9:10	8:24	15:23
	HIGH	2:00	14:21	16:04	16:07	14:58	15:05	13:48	14:04	13:29	14:11	14:02	15:50	16:04	15:21	14:36	9:14
Site 7 - Cedar Point	LOW	1:50	7:57	9:38	9:43	8:32	8:42	7:23	7:43	7:04	7:50	7:38	9:28	9:40	9:00	8:14	15:13
	HIGH	1:55	14:16	15:59	16:02	14:53	15:00	13:43	13:59	13:24	14:06	13:57	15:45	15:59	15:16	14:31	9:09
Site 9 - Cocheco River	LOW	1:20	7:27	9:08	9:13	8:02	8:12	6:53	7:13	6:34	7:20	7:08	8:58	9:10	8:30	7:44	14:43
	HIGH	1:20	13:41	15:24	15:27	14:18	14:25	13:08	13:24	12:49	13:31	13:22	15:10	15:24	14:41	13:56	8:34
Site 10 - Piscataqua River	LOW	1:20	7:27	9:08	9:13	8:02	8:12	6:53	7:13	6:34	7:20	7:08	8:58	9:10	8:30	7:44	14:43
	HIGH	1:20	13:41	15:24	15:27	14:18	14:25	13:08	13:24	12:49	13:31	13:22	15:10	15:24	14:41	13:56	8:34
Site 11 - Coastal Marine Lab	LOW	0:16	6:23	8:04	8:09	6:58	7:08	5:49	6:09	5:30	6:16	6:04	7:54	8:06	7:26	6:40	13:39
	HIGH	0:16	12:37	14:20	14:23	13:14	13:21	12:04	12:20	11:45	12:27	12:18	14:06	14:20	13:37	12:52	7:30
Site 12 - Newmarket STP	LOW	3:00	9:07	10:48	10:53	9:42	9:52	8:33	8:53	8:14	9:00	8:48	10:38	10:50	10:10	9:24	16:23
	HIGH	3:00	15:21	17:04	17:07	15:58	16:05	14:48	15:04	14:29	15:11	15:02	16:50	17:04	16:21	15:36	10:14
Site 13 - Marina Falls Landing	LOW	3:00	9:07	10:48	10:53	9:42	9:52	8:33	8:53	8:14	9:00	8:48	10:38	10:50	10:10	9:24	16:23
	HIGH	3:00	15:21	17:04	17:07	15:58	16:05	14:48	15:04	14:29	15:11	15:02	16:50	17:04	16:21	15:36	10:14
Site 14 - Fowler's Dock	LOW	3:00	9:07	10:48	10:53	9:42	9:52	8:33	8:53	8:14	9:00	8:48	10:38	10:50	10:10	9:24	16:23
	HIGH	3:00	15:21	17:04	17:07	15:58	16:05	14:48	15:04	14:29	15:11	15:02	16:50	17:04	16:21	15:36	10:14
Site 15 - Patten Yacht Yard, Inc.	LOW	1:00	7:07	8:48	8:53	7:42	7:52	6:33	6:53	6:14	7:00	6:48	8:38	8:50	8:10	7:24	14:23
	HIGH	1:00	13:21	15:04	15:07	13:58	14:05	12:48	13:04	12:29	13:11	13:02	14:50	15:04	14:21	13:36	8:14
Site 16 - Exeter Docks	LOW	2:50	8:57	10:38	10:43	9:32	9:42	8:23	8:43	8:04	8:50	8:38	10:28	10:40	10:00	9:14	16:13
	HIGH	3:10	15:31	17:14	17:17	16:08	16:15	14:58	15:14	14:39	15:21	15:12	17:00	17:14	16:31	15:46	10:24
* no sampling low tide at site 4																	

Appendix D

Site 1 - Peninsula

YEAR	SITE	DATE	SAMPLER-L	SAMPLER-H	WTEMP-L	WTEMP-H	DO-L	DO-H	SAL-L	SAL-H	SAT-L	SAT-H	pH-L	pH-H	FECAL-L	FECAL-H	LP-L	LP-H	DEPTH-L	DEPTH-H	ATEMP-L	ATEMP-H	WATER-L	WATER-H	WEATHER-L	WEATHER-H	ACTIVITIES-L	ACTIVITIES-H
					oC	oC	ppm	ppm	ppt	ppt	%	%			CFU/100ml	CFU/100 ml	cm	cm			0c	0c						
90	1	04/08/90			4.0	6.5	11.3	12.9	9.2	15.8	91.63	116.04	6.9	7.6	·	·	·	113.0	·	·	-2.0	9.5						
90	1	04/25/90			9.5	10.0	9.2	8.5	13.2	17.8	87.43	84.06	6.8	8.2	·	·	25.0	120.0	·	·	7.0	11.0						
90	1	05/09/90			11.0	18.0	8.6	8.4	11.5	17.9	83.73	90.45	7.2	7.5	·	·	60.0	110.0	·	·	9.5	26.0						
90	1	05/24/90			11.0	12.5	7.7	5.4	12.2	17.8	76.28	66.37	7.3	7.6	·	·	85.0	135.0	·	·	6.0	11.0						
90	1	06/08/90			17.5	19.5	6.3	8.2	17.4	22.0	61.32	101.35	7.4	7.7	·	·	70.0	135.0	·	·	16.0	21.0						
90	1	06/22/90			18.5	19.6	5.7	8.0	18.8	24.4	67.81	100.31	7.2	7.7	·	·	75.0	130.0	·	·	16.0	28.0						
90	1	07/06/90			21.0	22.0	5.3	7.4	24.0	26.5	60.18	98.43	7.3	7.8	·	·	60.0	115.0	·	·	12.0	23.0						
90	1	07/21/90			23.0	24.5	5.7	7.3	28.2	30.0	77.98	103.65	7.5	7.8	·	·	80.0	120.0	·	·	21.8	29.0						
90	1	08/06/90			24.0	23.0	5.9	7.2	27.2	30.2	81.67	99.70	7.3	7.7	·	·	105.0	145.0	·	·	21.0	21.0						
90	1	08/20/90			20.0	24.0	5.9	7.3	22.0	28.9	72.38	102.08	·	7.8	·	·	60.0	160.0	·	·	12.0	20.0						
90	1	09/03/90			22.0	22.5	5.8	6.8	22.8	26.0	76.35	90.99	7.2	7.7	·	·	110.0	165.0	·	·	16.0	22.5						
90	1	09/18/90			14.5	16.5	6.2	7.3	26.1	29.8	71.17	89.31	7.5	7.0	·	·	103.0	235.0	·	·	6.5	10.0						
90	1	10/04/90			13.0	16.0	7.8	8.3	26.5	31.0	87.02	101.33	·	7.8	·	·	125.0	230.0	·	·	6.0	23.0						
90	1	10/18/90			13.0	16.0	5.8	6.9	17.8	24.0	61.29	80.60	7.4	7.5	·	·	102.0	168.0	·	·	10.0	21.0						
90	1	11/02/90			7.5	·	8.7	·	13.2	·	70.07	·	7.2	·	·	·	·	·	·	·	6.0							
91	1	04/14/91	JS MF JF PS MS BF		7.6	10.5	13.4	10.8	15.8	8.4	123.47	102.06	7.6	7.9	·	·	90.0	115.0	·	·	0.0	11.0	ripple		clear		several sculls	
91	1	04/27/91	PS BF JS		12.0	13.0	8.4	9.6	10.3	16.3	83.04	99.47	7.4	7.8	·	·	75.0	95.0	·	·	14.0	24.5	ripple		pt cloud		UNH crew	
91	1	05/13/91	JS MF JF		15.5	17.5	7.2	8.3	13.7	18.3	78.27	96.53	·	7.5	·	·	40.0	75.0	·	·	12.0	24.0	M BREEZY		clear calm		several crew	
91	1	05/27/91	PS MS		18.0	19.0	5.6	7.8	19.4	23.7	66.21	96.47	6.6	7.0	·	·	80.0	130.0	·	·	14.0	19.0						
91	1	06/11/91	MF BF MS PS		21.0	21.0	5.7	7.3	24.2	27.7	72.78	98.03	7.2	7.7	·	·	60.0	130.0	·	·	21.0	28.0	ripple		pt cloud			
91	1	06/25/91	AR MS PS		20.0	22.0	6.1	8.3	25.9	28.9	77.92	111.33	6.8	7.8	·	·	75.0	140.0	·	·	19.0	31.5	ripple		hot		trans lobs	
91	1	07/10/91	MF JF MS PS		19.0	20.0	5.6	8.7	28.9	31.8	71.49	116.23	7.2	7.7	·	·	85.0	110.0	·	·	12.0	35.0	waves		hot,windy		boating,birds	
91	1	07/26/91	MS PS		22.5	21.8	5.6	7.6	28.6	31.6	76.11	103.32	7.5	7.6	·	·	85.0	135.0	·	·	22.0	24.0	calm		overcast		hot, no rain	
91	1	08/08/91	MF JF		21.5	21.0	4.2	8.6	30.4	32.1	65.68	116.23	7.4	7.9	·	·	80.0	135.0	·	·	20.0	26.0	ripples		overcast		boats,fish jumping	
91	1	08/24/91	MS PS JS		20.0	22.0	4.2	6.2	8.6	13.9	48.87	76.70	6.6	7.2	·	·	65.0	90.0	·	·	17.0	21.5	brown		overcast		fish activity	
91	1	09/07/91	JT MF JF		19.0	21.0	6.2	7.3	21.2	25.0	63.36	94.49	·	·	·	·	120.0	135.0	·	·	18.0	24.0	calm		clear			
91	1	09/22/91	MS PS		14.0	17.0	6.1	7.9	19.6	26.9	66.67	95.84	6.7	7.2	·	·	120.0	250.0	·	·	3.0	18.0	ripple		clear		clear	
91	1	10/08/91	MS PS		15.0	15.0	7.6	7.9	10.8	20.6	80.41	88.58	6.6	7.2	·	·	65.0	140.0	·	·	16.0	18.5			ripple		downpour	
91	1	10/22/91	PS MS		9.5	·	8.8	·	14.8	·	84.46	·	6.8	·	·	·	65.0	·	·	·	1.0				calm		pt cloudy	
91	1	11/06/91	PS MS	BF	6.5	9.0	9.4	8.3	19.6	23.6	88.64	83.20	7.2	7.4	·	·	150.0	240.0	·	·	3.0	·	CALM	RIPPLE	*	OVERCAST	BOATING	BIRDS
92	1	04/17/92	MS PS	MS	6.0	6.5	10.6	8.7	13.0	21.6	90.29	81.24	6.8	7.7	·	·	100.0	140.0	·	·	1.0	9.0	ripple	ripple	snow	wet snow		
92	1	05/02/92	MS PS	MS PS	12.5	12.0	8.8	10.7	13.9	20.3	89.33	112.36	6.7	7.6	·	·	85.0	100.0	·	·	11.0	18.0	ripple	ripple	showers	overcast		BOATING
92	1	05/16/92	PS JS	PS	14.5	14.0	7.8	9.4	18.0	23.3	85.10	104.94	7.2	7.7	·	·	·	100.0	·	·	10.0	18.5	calm	ripple	showers	cloudy	ROWERS	
92	1	05/31/92	PS JS	PS MS RB	17.5	16.5	5.8	8.0	22.6	26.3	69.21	95.74	7.2	7.5	·	·	60.0	120.0	·	·	13.5	18.0	ripple	ripples	overcast	overcast		DEAD HORESHOE CRAB
92	1	06/14/92	PS JS	PS MS	20.0	21.0	5.8	7.6	18.0	21.8	70.71	96.63	7.1	·	·	·	60.0	120.0	·	·	21.0	29.0	ripple	ripples	clear	clear		BOATING
92	1	06/29/92	PS	KG	20.0	21.6	6.0	7.7	25.4	28.2	76.41	102.63	7.0	7.8	130.0	2.0	65.0	150.0	·	·	15.0	30.0	calm	ripple	clear	pt cloudy		
92	1	07/13/92	MS PS	JJ JJ	21.0	21.7	6.9	·	28.2	29.8	91.05	·	6.7	7.8	55.0	3.0	90.0	155.0	·	·	22.0	34.0	calm	calm	overcast	clear	BLUE HERON	BOATING
92	1	07/28/92	MS PS	CN JJ	20.7	20.7	6.6	7.2	25.2	28.6	84.73	94.36	7.1	7.7	172.0	4.0	95.0	140.0	·	·	14.0	27.0	calm	CALM	clear	clear	2 BLUE HERON	
92	1	08/10/92	MS PS	JB KG	19.7	21.7	5.4	7.5	25.9	29.8	60.32	100.64	7.4	7.7	84.0	9.0	125.0	160.0	·	·	17.5	26.5	calm	calm	clear			SCHOOL OF FISH
92	1	08/27/92	MS PS	JB	22.2	22.2	5.7	7.7	23.9	29.1	74.66	104.03	6.8	7.9	340.0	4.0	125.0	155.0	·	·	22.0	29.0	calm	ripple	foggy	hazy		BOATS
92	1	09/11/92	MS PS	MS	18.7	18.2	5.7	7.6	27.1	29.4	71.20	95.49	7.3	7.3	74.0	16.0	130.0	230.0	·	·	19.0	22.0			showers	pt cloud		
92	1	09/25/92	MS PS	MS	12.3	13.3	7.2	8.7	25.9	30.7	78.33	99.74	7.2	7.5	33.0	0.0	130.0	200.0	·	·	14.0	17.0	calm	ripple	clear	clear		
92	1	10/10/92	PS JS	JB KG	12.3	12.8	8.2	8.7	17.0	28.8	84.30	97.47	7.1	7.5	TNTC	186.0	30.0	102.0	·	·	16.5	21.0	calm	calm	showers	ptcloudy		BOATING
92	1	10/24/92	JS CN	JB	8.3	9.1	8.3	8.7	25.9	27.8	82.61	89.72	7.8	7.7	10.0	10.0	170.0	300.0	·	·	10.0	18.0	calm	ripple	ptcloudy	rain		
92	1	11/09/92	MS PS	MS PS	1.3	6.3	10.6	10.8	14.1	25.6	81.93	99.91	7.0	7.2	60.0	110.0	·	363.0	·	·	-7.0	2.0	calm	ripple	clear	clear		
93	1	04/21/93	BH EC NW DT	EO BC EG LP	·	14.0	9.1	11.9	3.6	10.3	64.17	122.90	7.2	8.1	200.0	100.0	40.0	80.0	170.0	380.0	16.0	19.0	ripple	waves	OVERCAST	PT CLOUDY	CREWBOATING	BIRDS
93	1	05/06/93	BH EC DT	BC GC CR LP	16.5	18.0	6.7	9.5	12.2	19.0	73.71	100.26	7.0	7.6	170.0	·	62.5	95.0	133.0	370.0	18.0	27.0	ripple	ripple	OVERCAST	CLEAR	CONSTRUCTION	BOATING
93	1	05/20/93	BH NW	LP BC EO	13.5	14.0	6.4	7.6	14.0	22.3	66.81	84.32	7.2	7.4	170.0	20.0	87.5	90.0	168.0	365.0	15.0	15.0	calm	ripple	OVERCAST	OVERCAST	CREW BOATS	
93	1	06/03/93	EO CR BH	EG BC LP	14.0	15.5	7.2	8.3	22.0	27.7	70.74	98.22	7.5	7.7	20.0	0.0	65.0	95.0	125.0	375.0	15.0	23.0	ripple	ripple	PT CLOUDY	CLEAR	CREW BOATS	
93	1	06/23/93	EO BH	LP NW	20.0	18.0	6.4	7.9	25.8	28.2	81.19	98.62	7.6	7.9	110.0	10.0	73.0	110.0	150.0	365.0	20.5	26.0	ripple	calm	CLEAR	CLEAR		BOATS
93	1	07/06/93	EO BH	NW LP	23.0	22.5	6.6	8.0	27.6	29.8	78.29	109.52	7.5	7.9	20.0	0.0	102.5	155.0	146.0	365.0	25.2	33.0	ripple	ripple	CLEAR	CLEAR		HOT
93	1	07/22/93	EC PPC LP	EC LP	20.5	18.0	6.5	7.5	28.9	31.2	72.21	95.31	7.3	7.8	20.0	10.0	97.5	138.0	135.0	370.0	25.0	24.5	ripple	ripple	CLEAR	OVERCAST	RAIN BEFORE	
93	1	08/03/93	DT LP	LP KP	23.0	23.0	6.1	7.8	27.1	31.5	69.32	108.86	7.2	7.7	·	·	123.0	168.0	140.0	345.0	23.0	30.0	calm	ripple	CLEAR	PT CLOUDY	SWIMMER	
93	1	08/19/93	NW DT BH	EO BH EFG	23.0	23.0	4.7	7.1	28.0	31.2	64.22	98.21	7.3	7.3	120.0	0.0	110.0	190.0	163.0	383.0	19.0	22.5	ripple	ripple	OVERCAST		BUGGY	
93	1	09/02/93	LP	DT BH	22.0	22.5	4.5	7.3	31.0	31.1	61.61	100.73	7.4	7.6	60.0	20.0	122.0	230.0	155.0	350.0	19.0	25.9	CALM	waves	CLEAR	CLEAR	BOATING	
93	1	09/20/93	LP	NW DT BH	16.0	15.6	6.7	7.8	29.0	32.9	80.76	95.00	7.7	7.8	40.0	0.0	118.0	230.0	130.0	385.0	14.0	18.0	RIPPLES	RIPPLES	CLEAR	CLEAR	BLUE HERON	BOATING, BIRDS
93	1	10/04/93	GC CR LP	EO DT BH	14.0	16.5	6.6	8.5	28.8	30.9	75.14	104.23	7.4	7.7	10.0	0.0	105.0	230.0	165.0	363.0	15.0	24.0	RIPPLES	WHITECAPS	PT CLOUDY	CLEAR	WINDY	WINDY
93	1	10/18/93	EF EC LP	DT CR BH	12.0	12.0	6.7	8.0	28.1	31.1	73.83	90.05	7.1	7.9	10.0	0.0	100.0	305.0	165.0	405.0	16.5	21.5		ripples		CLEAR		GULLS
93	1	11/09/93	EF BH	EC NW LP	6.5	6.0	10.3	9.5	22.3	28.5	96.16	92.03	7.9	7.9	15.0	4.0	130.0	316.0	130.0	340.0	11.0	0.5	ripple	calm	OVERCAST	CLEAR	GULLS AND BOATS	BOATS
94	1	04/26/94	EC GC LP TS	EC GC LP KP	8.0	8.4	9.4	10.9	13.1	20.0	86.20	104.38	7.1	8.0	30.0	3.0	45.0	112.5	120.0	355.0	6.0	7.5	RIPPLE	RIPPLE	SHOWERS	OVERCAST	BOATING	NONE
94	1	05/10/94	NW JL LP	JL BH	12.0	13.5	8.2	9.2	8.5	18.7	80.22	97.81	7.4	7.8	30.0	12.0	72.5	137.5	165.0	355.0	14.0	16.5	RIPPLE	RIPPLE	OVERCAST	CLEAR	BOATING	CONSTRUCTION
94	1	05/25/94	LP EO TT BC	EC TS DJ JL	15.0	14.5	7.1	8.8	13.9	7.6	76.48	90.42	7.2	7.6	100.0	11.0	140.0	127.5	300.0	375.0	12.0	14.5	ripple	CALM	showers	SHOWERS	none	CONSTRUCTION
94	1	06/09/94	LP CR JL	DT EF BH	18.0	18.0	6.1	7.8	9.2	25.9	68.03	96.27	7.4	7.8	170.0	6.0	102.0	130.0	110.0	325.0	18.0	26.0	ripple	RIPPLE	clear	CLEAR	boats	WINDY
94	1	06/23/94	BH DH JL EC	DJ LP	20.5	20.0	6.5	7.7	26.1	29.6	83.90	100.60	7.5	7.8	9.0	180.0	96.5	150.0	120.0	255.0	19.5	26.5	RIPPLE	RIPPLE	CLEAR	PT CLOUDY	2 SKULLS	KAYAK
94	1	07/11/94	BH NW	JT BH	23.5	24.1	6.1	8.0	27.6	30.6	83.21	113.01	7.6	7.9	110.0	0.0	102.6	192.6	147.0	350.0	21.8	29.8	RIPPLE	RIPPLE	CLEAR	CLEAR	BOATING	HIGHWAY TRAFFIC
94	1	07/25/94	LP KM	NW BH DH	24.5	24.6	4.8	7.0	28.6	30.2	67.59	99.93	7.3	7.8	34.0	10.0	98.0	155.0	145.0	350.0	24.0	28.8	CALM	RIPPLE	FOG	PT CLOUDY	BLUE HERON	BOATING
94	1	08/09/94	BH JT DJ DH	LP EC KP	22.1	22.5	5.9	7.9	29.1	30.9	80.12	108.08	7.6	8.0	14.0	2.0	149.0	122.5	165.0	455.0	20.0	27.0	RIPPLE	RIPPLE	CLEAR	CLEAR	CONSTRUCTION	BOATING
94	1	08/22/94	LP KM JB	EC KP LP	22.0	19.0	6.2	7.0	24.6	29.2	68.39	89.53	7.2	7.8	TNTC	9.0	98.0	153.0	135.0	350.0	20.0	17.0	RIPPLE	CALM	OVERCAST	SHOWERS	BIRDS	MUMMICHUGS IN WATER
94	1	09/07/94	LP	BH JF BC	15.5	18.0	7.2	7.7	26.5	30.2	84.56	97.24	7.5	7.6	44.0	1.0	83.0	218.7	140.0	385.0	12.0	23.5	CALM	RIPPLE	CLEAR	PT CLOUDY	NONE	NONE
94	1	09/21/94	BH BM	JB KP LP	16.7	19.0	7.7	9.7	27.9	31.2	93.07	125.63	7.6	7.8	20.0	0.0	98.5	205.0	140.0	347.0	14.9	28.0	CALM	RIPPLE	CLEAR	CLEAR	MANY BIRDS	ROAD CONSTR.
94	1	10/06/94	DJ EC LP	JF JL GC JB	11.5	13.0	8.2	9.1	20.6	26.6	85.27	101.27	8.2	7.8	16.0	1.0	63.0	160.0	120.0	365.0	6.0	19.5	CALM	CALM	CLEAR	PT. CLOUDY	BOATING	BIRD BOAT
94	1	10/20/94	JB BM BH	NW JL LP	13.0	13.0	8.1	9.5	26.0	29.4	90.09	107.99	8.2	8.1	·	0.0	108.5	190.0	179.0	380.0	18.5	16.0	RIPPLE	RIPPLE	SHOWERS	OVERCAST	pH METER WAS ST	SEAWEED AND SLUDGE
94	1	11/07/94	EG BH	LP KP JL	10.0	11.0	7.8	8.1	14.9	20.9	76.16	87.95	7.6	7.8	52.0	7.0	25.0	100.0	60.0	170.0	8.2	13.0	WHITE CAP	WAVES	PT CLOUDY	CLEAR	NO DOCK	NO DOCK
95	1	04/18/95	GC RJ LP	BH JB CB	10.0	10.0	10.5	11.1	17.5	22.6	103.64	113.08	7.6	8.0	1.0	0.0	123.0	165.0	133.0	355.0	13.0	12.0	RIPPLE	RIPPLE	CLEAR	CLEAR	BIRDS	NONE
95	1	05/01/95	LP CM	JL CJ BH	10.5	11.0	8.9	10.3	17.2	25.1	88.67	108.56	7.7	8.3	1.0	9.0	80.0	132.5	150.0	350.0	9.0	10.0		RIPPLE		OVERCAST		TRAFFIC ; AIR PLANES
95	1	05/15/95	EC CB LP	BH AW RQ	13.0	11.0	7.3	9.2	20.4	25.0	78.37	97.38	6.8	7.8	32.0	1.0	60.0	129.0	125.0	375.0	10.0	8.0		RIPPLE		SHOWERS		NONE
95	1	05/30/95	RJ NW LP	JT CJ CG BH	17.5	17.9	6.8	7.8	18.4	24.8	67.90	94.33	7.2	7.9	35.0	0.0	62.5	146.0	125.0	345.0	21.0	31.3	RIPPLE	RIPPLE	PT CLOUDY	PT CLOUDY	BOATING	NONE
95	1	06/13/95	LC BM ST LP	ET CG CJ BH	18.0	17.5	5.0	7.6	22.7	27.2	59.69	93.28	7.2	7.7	NA	6.0	82.5	127.5	125.0	360.0	22.5	17.5	RIPPLE	RIPPLE	OVERCAST	LIGHT RAIN	BOATING	BOATING
95	1	06/27/95	EC LP BM	BH RJ	21.5	21.5	6.0	8.1	25.8	29.0	78.75	108.65	7.7	7.9	57.0	1.0	101.0	155.0	135.0	330.0	18.0	21.8	RIPPLE	RIPPLE	PT CLOUDY	CLEAR	NONE	TRAFFIC
95	1	07/12/95	LP	LP AW	20.5	22.0	4.7	7.6	27.8	30.8	61.29	103.07	7.4	7.8	84.0	NV	92.5	130.0	165.0	355.0	21.5	24.5	CALM	RIPPLE	OVERCASTE	OVERCASTE	BIRDS	BOATING
95	1	07/27/95	RQ AR	LP CG RJ	24.5	26.5	4.4	6.8	22.7	29.5	59.86	99.62	7.7	8.0	88.0	0.0	90.0	187.5	135.0	330.0	24.3	33.0	CALM	RIPPLE	FOG/HAZE	PT CLOUDY	BOATING	BOATING
95	1	08/10/95	BAH JL	LP BM JB	22.1	26.0	5.2	7.4	25.3	28.9	60.01	105.30	7.5	7.9	160.0	1.0	142.0	77.0	150.0	350.0	14.5	28.5	CALM	RIPPLE	CLEAR	CLEAR	BOATING	BOATING
95	1	08/28/95	ET LP CM	RJ ET BH	19.5	20.0	7.1	7.5	28.9	30.2	91.60	97.70	8.0	7.7	NV	NV	101.0	139.5	138.0	355.0	16.0	26.0	CALM	RIPPLE	CLEAR	PT CLOUDY	FISH AND BIRDS	WATER SKIING
95	1	09/11/95	BH RG EB	AW DJ CG CJ	16.0	18.5	8.6	·	29.6	30.7	104.05	·	7.6	7.9	22.0	1.0	61.0	185.0	130.0	360.0	17.0	29.5	RIPPLE	RIPPLE	CLEAR	CLEAR	LOTS OF FISH	BOATING
95	1	09/26/95	BH BM AW	CB LP	14.5	15.0	6.5	7.5	29.0	32.4	76.01	90.58	7.7	7.8	40.0	0.0	55.0	183.0	145.0	380.0	16.5	14.0	CALM	RIPPLE	OVERCAST	OVERCAST		
95	1	10/10/95	ET ST BH	AW BM LP	13.5	16.0	6.6	7.8	28.2	30.6	75.33	94.37	7.6	7.7	20.0	0.0	90.0	160.0	155.0	370.0	11.5	18.0	RIPPLE	CALM	CLEAR	CLEAR	NONE	BIRDS
95	1	10/26/95	BM CG LP	CJ BH DM BH	12.0	13.5	6.4	9.5	21.8	26.2	67.84	106.32	7.5	7.6	30.0	0.0	84.5	182.5	132.0	386.0	7.0	18.5	CALM	RIPPLE	OVERCAST	CLEAR	FISH	ROWER
95	1	11/09/95	BM LP EB NW	ET EB BH	5.0	6.3	6.9	9.3	9.8	16.7	67.61	82.60	7.0	7.3	110.0	80.0	·	122.5	·	165.0	7.5	-1.0	CALM	RIPPLE	PT CLOUDY	PT CLOUDY	NONE	NONE
96	1	04/18/96	BH ET EB	LP BM	7.2	9.0	11.3	11.3	1.6	7.4	94.44	102.53	·	6.6	80.0	20.0	35.0	65.0	190.0	345.0	12.5	21.0	RIPPLE	·	CLEAR	PT CLOUDY	NONE	NONE
96	1	05/06/96	NW RJ MH	AW LP	11.0	10.0	8.3	9.3	9.4	21.6	79.81	94.20	6.8	7.1	30.0	100.0	67.5	140.0	165.0	330.0	6.0	11.0	CALM	CALM	SHOWERS	OVERCAST	NONE	BOATING
96	1	05/20/96	ET BH	JT LP	16.0	17.0	7.2	8.9	7.4	15.4	76.31	100.77	6.6	7.2	700.0	1.0	108.5	115.0	185.0	360.0	21.0	34.0	RIPPLE (SLI	RIPPLE	OVERCAST	PT CLOUDY	BUSY ON RT.4	NONE
96	1	06/03/96	CB AW BH	CG CJ KP	18.0	17.5	6.9	7.9	16.3	21.2	70.96	93.48	7.2	7.6	50.0	27.0	49.0	107.5	120.0	345.0	19.0	18.0	CALM	RIPPLE	PT. CLOUDY	OVERCAST	BIRDS, AND GARDE	NONE
96	1	06/17/96	BH KP EB	LP BH DM	22.5	22.6	5.7	7.8	20.0	26.2	73.65	103.88	7.0	7.6			80.0	112.5	146.0	330.0	29.0	26.0	CALM	RIPPLE	OVERCAST	CLEAR	BUGGY	NONE

Site 2 - JEL

YEAR	SITE	DATE	SAMPLER-L	SAMPLER-H	WTEMP-	WTEMP-	DO-L	DO-H	SAL-L	SAL-H	SAT-L	SAT-H	pH-L	pH-H	FECAL-L	FECAL-H	LP-L	LP-H	DEPTH-	DEPTH-	ATEMP-	ATEMP-	WATER-	WATER-H	WEATHER-L	WEATHER-H	ACTIVITIES-	ACTIVITIES-
					oC	oC	ppm	ppm	ppt	ppt	%	%			CFU/100ml	CFU/100ml	cm	cm	cm	cm	0c	0c						
90	2	04/08/90			5	5.2	10.8	10.7	13.2	19.3	92.11	94.28																
90	2	04/25/90			8.5	11	9.5	8.06	18.4	21.7	91.10	93.53	7.5	6.8	•	•	75	90	•	•	5.0	9.0						
90	2	05/09/90			13	12	9	9	21.6	23	97.34	96.12	7.4	7.8	•	•	90	105	•	•	9.0	11.5						
90	2	05/25/90			10.1	12	8.5	9.2	18.8	19	84.59	95.83	•	7.2	•	•	105	110	•	•	11.0	23.0						
90	2	06/08/90			17.5	17	8.5	8	21.8	23.8	100.94	95.22	7.5	7.5	•	•	95	95	•	•	4.4	16.0						
90	2	06/22/90			18.5	18	7.2	7.6	26.1	28	89.48	94.66	7.31	7.6	•	•	95	120	•	•	23.0	22.0						
90	2	07/06/90			20.5	21	7.9	7.3	28	27.4	101.91	95.66	•	•	•	•	105	140	•	•	19.0	28.0						
90	2	07/21/90			24	20	6.8	7.3	29.5	30.4	92.62	95.85	7.9	•	•	•	140	135	•	•	22.0	28.0						
90	2	08/06/90			24	22.5	6.2	7.1	28.2	30.2	86.34	97.43	•	6.9	•	•	100	155	•	•	24.0	26.0						
90	2	08/19/90			20	22	7.2	8	27.2	30.4	92.69	108.95	7.4	7.1	•	•	90	150	•	•	23.0	23.0						
90	2	09/04/90			20	22	6.5	7.7	25.5	25.5	92.83	101.81	7.75	•	•	•	100	110	•	•	14.0	19.0						
90	2	09/18/90			14	18	7.6	7.4	29.5	30	98.26	99.76	7.7	7.1	•	•	100	165	•	•	13.0	22.0						
90	2	10/04/90			13	15	7.7	7.7	29.4	31.6	87.53	92.51	7.35	7.5	•	•	130	175	•	•	8.0	13.0						
90	2	10/18/90			14	15	7.4	7.3	23	24.8	82.48	83.98	7.9	7.8	•	•	180	180	•	•	10.0	15.0						
90	2	11/02/90			•	10	•	8.8	•	22.5	•	89.65	7.7	7.5	•	•	135	130	•	•	16.0	23.0						
91	2	04/13/91	WP JH SJ		8.0	8.5	10.3	10.8	20.5	22.4	99.95	106.25	•	7.6	•	•	•	150	•	•		19.0						
91	2	04/23/91	WP		7.5	•	9.3	•	15.8	•	85.87	•	8.3	8.1	•	•	60.0	125.0	•	•	2.0	10.0	ripple		overcast		lab tour	
91	2	04/27/91	WP JH SJ		11.0	12.0	9.4	10.3	14.8	17.5	93.35	106.31	•	•	•	•	35.0	•	•	•	10.0	•	ripple		ovrcast		16 hr after storm	
91	2	05/13/91	JJ AR BP		16.0	14.5	7.8	7.6	17.0	21.3	85.57	84.67	7.5	7.5	•	•	70.0	120.0	•	•	19.0	25.0	calm		pt cloud			
91	2	05/28/91	JH SJ DJ		18.0	18.0	8.1	7.8	24.0	25.4	74.62	95.12	7.3	7.6	•	•	85.0	86.0	•	•	19.0	25.0						
91	2	06/12/91	JH WP		19.0	19.0	7.2	7.9	28.8	29.1	90.74	100.99	7.7	7.6	•	•	105.0	150.0	•	•	16.0	30.0					fishjumping	
91	2	06/25/91	JT		20.5	19.5	7.7	7.8	28.9	29.3	100.57	100.77	7.8	7.4	•	•	100.0	145.0	•	•	18.0	26.0	ripple		pt cloud		boats for stripers	
91	2	07/11/91	JT WP		19.5	18.5	8.4	7.4	29.7	31.5	82.37	95.83	7.9	7.9	•	•	83.0	125.0	•	•	16.5	29.0	calm		clear		JEL volleyball	
91	2	07/26/91	JH SJ WP		22.0	22.0	6.8	8.1	31.1	31.8	93.00	111.28	7.8	7.8	•	•	121.0	150.0	•	•	19.5	28.0	calm		clear		birds,crew	
91	2	08/09/91	SJ WP		22.0	20.0	7.2	7.4	31.8	31.2	96.90	97.65	7.8	7.4	•	•	110.0	165.0	•	•	22.0	24.0	calm		overcast		lab discharge	
91	2	08/25/91	JT JH		20.0	21.0	6.1	6.9	13.5	16.8	72.49	85.05	7.9	7.8	•	•	130.0	190.0	•	•	19.0	26.0	ripple		overcast		boats, birds	
91	2	09/08/91	BP		18.0	18.0	7.1	7.1	25.1	26.9	86.87	87.21	6.8	7.4	•	•	110.0	90.0	•	•	17.0	23.0	foam		clear		boats-Ned,h-Bob	
91	2	09/23/91	BP SJ		15.0	16.0	7.6	7.6	27.2	23.1	87.59	87.13	7.7	7.7	•	•	110.0	140.0	•	•	18.0	24.0	calm		clear		boats,fishermen	
91	2	10/06/91			13.0	18.0	7.3	8.0	20.3	21.5	78.32	92.04	7.5	7.8	•	•	180.0	250.0	•	•	12.0	19.0	white caps,calm		overcast			
91	2	10/23/91	SJ BP BG		10.0	12.0	8.9	8.6	20.8	22.9	89.19	91.79	7.1	6.5	•	•	100.0	150.0	•	•	5.0	12.0						
91	2	11/06/91	BG BP	BG BP	8.0	9.0	9.0	9.0	23.1	26.8	87.94	92.20	7.8	7.6	•	•	145.0	190.0	•	•	5.0	16.0	ripple		clear		quiet, fishing	
92	2	04/16/92	MS BP	MS BP	7.0	7.0	11.4	11.4	20.8	23.5	107.19	109.10	7.5	7.6	•	•	175.0	205.0	•	•	0.0	9.0	WAVES	RIPPLE	OVERCAST	PT CLOUDY	BOATING	
92	2	05/01/92	MS BP	MS BP	12.0	11.0	10.7	10.3	17.8	20.8	110.12	106.14	8.0	8.1	•	•	75.0	127.0	•	•	3.0	8.0	calm	ripple	clear	overcast		president pla
92	2	05/15/92	MS BP	MS BP	13.5	14.0	6.8	9.7	21.4	24.7	98.07	108.68	8.0	7.9	•	•	80.0	90.0	•	•	13.0	17.0		ripples	overcast	pt cloudy	eelgrass, murky	
92	2	05/31/92	BP	BP	16.0	15.5	8.1	8.7	26.3	27.4	95.39	102.76	7.8	7.8	•	•	90.0	135.0	•	•	12.0	14.0	small wav	small wave	overcast	clear	construction	
92	2	06/15/92	BP	BP	19.5	20.5	7.1	7.6	22.2	23.4	87.86	96.53	7.8	7.7	•	•	100.0	140.0	•	•	13.5	18.0	calm	ripples	overcast	overcast		boats
92	2	06/30/92	MS BP	MS BP	20.0	20.0	8.1	7.9	28.0	29.5	104.15	103.15	7.7	7.8	•	•	80.0	120.0	•	•	19.0	21.0	waves	waves	overcast	overcast	windy	windy
92	2	07/13/92	MS	MS	20.4	20.5	7.7	7.5	29.3	31.5	100.42	100.06	7.8	7.7	•	•	105.0	162.0	•	•	22.0	26.0	ripple	ripple	clear	clear	fishing,boatin	fishing,boatin
92	2	07/29/92	MS BP	MS BP	20.4	20.0	6.6	7.5	28.0	30.2	95.39	99.35	7.8	7.8	3.0	1.0	125.0	200.0	•	•	23.0	28.0	ripple	ripple	overcast	ptcloud	boating	fishing,boatin
92	2	08/13/92	BP	MS BP	20.0	19.0	7.0	8.0	32.5	30.2	93.12	102.32	7.6	7.9	1.0	3.0	95.0	160.0	•	•	18.0	27.0	calm		clear	ptcloud		fishing,boatin
92	2	08/27/92	MS BP	MS BP	21.4	19.8	7.1	7.1	27.7	29.1	93.40	91.61	7.8	7.7	20.0	1.0	160.0	210.0	•	•	16.0	19.0	ripple	ripple	ptcloud	ptcloud		BOATING
92	2	09/11/92	MS BP	MS BP	20.6	19.0	7.0	7.6	29.1	30.2	92.02	97.82	7.6	7.9	8.0	2.0	180.0	190.0	•	•	22.0	25.0	ripple	calm	hazy	overcast		fishing
92	2	09/25/92	BP	BP	14.0	16.0	8.4	8.6	30.4	31.1	98.12	105.06	7.5	7.8	4.0	2.0	200.0	265.0	•	•	18.0	22.0	ripple	calm	showers	PTCLOUD	boating	
92	2	10/11/92	MS BP	MS BP	15.5	16.0	8.7	9.0	31.1	30.2	105.22	108.70	7.8	7.8	4.0	1.0	160.0	195.0	•	•	1.0	15.0	ripple	waves	clear	clear		boating
92	2	10/25/92	BP	MS	11.5	11.5	9.1	8.9	28.6	29.8	99.61	99.26	7.9	7.9	5.0	10.0	260.0	380.0	•	•	17.0	17.0	ripple	ripple	overcast	overcast	hunting	fishing,huntin
92	2	11/09/92	MS BP	MS BP	8.0	9.0	10.3	9.8	25.6	27.7	97.62	101.00	8.0	7.6	10.0	0.0	195.0	200.0	•	•	8.0	9.0	waves	waves	overcast	rain		boating
93	2	04/21/93	MS BP	BP NP MS	10.0	11.5	10.6	11.2	7.3	10.9	98.40	109.87	7.9	7.9	30.0	30.0	230.0	370.0	•	•	-2.0	3.5	ripple	calm	clear	clear	boating	BOATING
93	2	05/06/93	BP NP MS	MS	14.5	13.5	11.7	11.2	17.0	20.2	127.01	121.37	7.1	•	10.0	10.0	65.0	76.0	250.0	450.0	18.0	20.0	ripple	waves	overcast	pt cloud		
93	2	05/20/93	BP MS	MS BP	13.5	13.5	7.5	8.0	23.3	23.3	92.85	99.37	7.2	7.8	•	30.0	85.0	90.0	225.0	460.0	36.0	25.0	ripple	ripple	overcast	pt cloud		fishing
93	2	06/03/93	BP NP MS	BP NP MS	13.5	12.5	7.8	8.3	24.9	27.5	87.04	92.21	6.7	7.5	0.0	10.0	90.0	110.0	245.0	460.0	12.0	18.0	calm	waves	overcast	overcast	heron	boating
93	2	06/23/93	NP BP	NP BP	18.0	17.5	7.4	7.5	27.2	28.9	91.71	93.03	7.4	7.5	10.0	0.0	55.0	115.0	205.0	440.0	13.0	25.0	calm	ripple	clear	pt cloud	boating	boating
93	2	07/06/93	ML BP	ML BP	21.0	20.5	7.2	8.0	28.9	31.2	96.00	106.53	•	7.6	20.0	20.0	66.0	100.0	210.0	540.0	20.0	30.0	whitecap	waves	clear		fishing	boating fishin
93	2	07/22/93	ML NP	NP ML	20.5	18.5	6.8	8.0	30.3	31.2	90.05	102.63	7.8	7.6	•	0.0	135.0	177.5	240.0	440.0	26.0	31.0	ripple	ripple	clear	clear		fishing
93	2	08/03/93	BP	BP	21.0	21.0	6.9	7.9	30.7	33.1	91.78	106.76	7.7	7.8	0.0	0.0	117.0	165.0	230.0	470.0	22.0	25.0	ripple	ripple	clear	overcast	rain before	boating bugg
93	2	08/19/93	BP MS	BP MS	21.0	20.0	5.9	7.0	32.4	31.6	79.89	92.60	7.7	7.9	•	•	140.0	130.0	250.0	430.0	25.0	30.0	ripple	ripple	clear	clear	JEL thermo	JEL thermom
93	2	09/02/93	BP MS	BP MS	21.5	22.5	6.0	8.2	32.5	31.9	82.03	113.71	7.7	7.7	0.0	0.0	135.0	170.0	220.0	470.0	24.0	29.0	calm	ripple	overcast	clear	bug, JEL boa	boats
93	2	09/20/93	BP MS	BP MS	14.5	14.5	7.1	8.0	31.4	31.4	84.33	95.01	7.9	8.0	0.0	2.0	160.0	290.0	240.0	440.0	20.0	28.0	calm	waves	clear	clear	lesser,greater	yellowleggs
93	2	10/04/93	BP MS	BP MS	13.5	14.5	7.9	8.2	30.1	30.1	91.15	96.57	7.7	7.8	1.0	0.0	200.0	250.0	240.0	465.0	15.0	15.0	white cap	ripple	pt. cloudy	clear		couple boats
93	2	10/18/93	BP MS	BP MS	10.0	10.0	8.2	8.8	30.9	30.9	88.29	94.75	7.8	7.9	10.0	0.0	140.0	260.0	260.0	455.0	16.0	22.0	waves	white caps	clear	pt cloudy	bumpy dock	docks rolling
93	2	11/09/93	BP MS	BP MS	•	•	10.5	9.3	•	•	•	•	7.8	7.9	10.0	3.0	250.0	230.0	250.0	490.0	17.0	20.0	waves	waves	clear	clear	boating, gee	fishing
94	2	04/26/94	JP BP	JP BP	8.0	7.5	9.9	10.2	18.4	22.2	93.84	97.91	7.9	7.9	8.0	6.0	230.0	460.0	230.0	460.0	10.5	6.0	calm	calm	pt cloudy	pt cloudy	JEL boats	boating
94	2	05/10/94	JP BP	JP BP	12.0	12.0	8.9	8.9	17.9	19.0	92.03	92.71	7.6	7.8	4.0	33.0	105.0	130.0	210.0	250.0	2.0	13.0	RIPPLE	RIPPLE	SHOWERS	OVERCAST	NONE	GULF CHALL
94	2	05/25/94	JP BP MS	BP MS	14.0	12.0	7.9	8.7	19.3	21.7	88.05	91.63	7.8	7.8	15.0	14.0	123.0	163.0	230.0	230.0	•	18.0	CALM	CALM	OVERCAST	CLEAR	NONE	ECLIPSE
94	2	06/09/94	BP	BP JP	17.0	17.0	8.0	8.3	24.0	25.6	95.34	99.89	7.7	7.6	6.0	2.0	105.0	137.0	225.0	465.0	12.0	16.0	CALM	WAVES	SHOWERS	SHOWERS	NONE	NONE
94	2	06/23/94	BP MS	JP MS	20.0	18.0	6.4	7.6	29.6	30.2	93.57	95.97	7.6	7.6	2.0	•	130.0	168.0	225.0	420.0	19.0	24.0	CALM	RIPPLE	CLEAR	CLEAR	BOATS	BOATS
94	2	07/11/94	BP MS	BP MS	22.0	20.6	6.8	7.8	29.1	29.0	91.87	102.47	7.6	7.8	12.0	7.0	127.0	165.0	215.0	445.0	21.0	29.0	CALM	RIPPLE	CLEAR	PT CLOUDY	FISHING	BOATING
94	2	07/25/94	BP MS	BP MS	23.5	22.0	5.7	6.5	29.8	30.4	79.43	88.52	7.8	7.6	3.0	3.0	152.0	177.0	260.0	405.0	24.0	27.0	RIPPLE	CALM	PT CLOUDY	CLEAR	BOATS	BOATS
94	2	08/09/94	BP MS	BP MS	21.0	20.5	6.5	8.0	31.7	30.2	97.63	105.88	7.8	•	1.0	3.0	116.0	160.0	230.0	460.0	24.0	29.0	CALM	CALM	FOG	FOG	FISHING	NONE
94	2	08/22/94	MS JP	MS JP	19.5	18.0	6.5	7.4	30.9	30.7	84.81	93.74	7.9	7.7	2.0	1.0	125.0	135.0	235.0	440.0	20.0	28.0	CALM	RIPPLE	CLEAR	PT CLOUDY	FISHING	BOATING
94	2	09/07/94	BP MS	BP MS	15.0	16.0	7.4	7.8	29.0	30.6	97.42	94.98	7.5	7.6	•	•	150.0	176.0	240.0	465.0	19.5	16.5	RIPPLE	RIPPLE	OVERCAST	DOWNPOU	BOATING	BOATING
94	2	09/21/94	BP MS	BP MS	16.0	16.5	8.4	9.2	30.3	30.6	102.09	113.13	7.8	7.8	2.0	1.0	162.0	165.0	235.0	480.0	14.0	23.0	CALM	WAVES	PT CLOUDY	PT CLOUDY	LAB BOAT	ANN CAME T
94	2	10/06/94	BP MS	BP MS	12.0	13.0	9.6	8.0	24.2	28.1	103.31	90.17	8.4	8.4	1.0	1.0	165.0	270.0	245.0	470.0	17.0	23.0	CALM	RIPPLE	CLEAR	PT CLOUDY	CHANEL 12	TANKERS CI
94	2	10/20/94	JP BP	JP BP	12.0	14.0	10.2	9.0	27.8	29.8	112.35	104.52	8.4	8.4	1.0	2.0	122.0	145.0	225.0	475.0	9.0	13.0	RIPPLE	RIPPLE	PT CLOUDY	CLEAR	NONE	VISITING AR
94	2	11/07/94	BP MS	MS BP	11.0	11.0	8.0	8.4	27.7	29.1	86.18	91.33	8.4	•	0.0	0.0	177.5	255.0	245.0	465.0	13.0	11.0	CALM	RIPPLE	OVERCAST	OVERCAST	BOATING	LOBSTERIN
95	2	04/18/95	BP	BP JP	9.0	9.0	10.6	10.4	21.7	22.3	101.66	101.09	8.3	7.5	14.0	3.0	42.5	75.0	225.0	425.0	9.0	12.0	WHITEC	WHITECA	PT CLOUDY	CLEAR	WINDY	LOBSTERIN
95	2	05/01/95	JP BP	JP BP	10.0	9.5	10.0	9.7	23.6	26.1	102.60	99.99	7.8	7.8	0.0	0.0	128.5	131.0	215.0	310.0	10.0	11.0	RIPPLE	WAVES	CLEAR	CLEAR	BOATING	BOATING
95	2	05/15/95	JP BP	JP BP	8.0	6.0	8.6	8.5	25.2	26.4	95.20	91.00	8.0	7.8	2.0	0.0	120.0	185.0	220.0	430.0	7.0	9.0	CALM	RIPPLE	OVERCAST	OVERCAST	NONE	NONE
95	2	05/30/95	BP JJ	AM JJ	16.0	15.0	7.0	7.9	25.1	25.6	92.33	91.34	7.8	7.8	2.0	0.0	105.0	145.0	220.0	455.0	8.0	6.0	CALM	CALM	SHOWERS	DOWNPOU	NONE	NONE
95	2	06/13/95	WP LP	WP	17.0	16.0	6.5	7.4	26.4	27.7	78.62	88.46	7.8	7.7	2.0	4.0	122.5	136.0	230.0	420.0	20.0	27.0	CALM	RIPPLE	CLEAR	PT CLOUDY	NONE	BOATING
95	2	06/27/95	WP LP	JB WP	21.0	22.0	7.1	8.4	27.4	28.5	93.23	113.08	7.6	7.8	5.0	1.0	105.0	152.5	230.0	445.0	20.0	17.0	RIPPLE	RIPPLE	OVERCAST	SHOWERES	NONE	BOATING O
95	2	07/12/95	WP LP	WP LP	19.0	18.0	7.7	7.9	29.6	29.5	99.67	99.07	8.0	8.0	2.0	0.0	97.5	140.0	220.0	415.0	17.0	18.0	RIPPLE	WAVES	CLEAR	CLEAR	FISHING	FISHING
95	2	07/27/95	WP LP	JAM ASR	24.0	23.5	6.5	7.2	29.8	30.2	91.27	100.57	7.9	7.9	4.0	2.0	105.0	170.0	225.0	445.0	18.0	23.0	CALM	RIPPLE	OVERCAST	CLEAR	NONE	BOATS
95	2	08/10/95	WP LP	LP WP	23.0	21.0	6.9	7.1	28.6	29.9	94.83	94.80	7.8	7.2	0.0	2.0	135.0	150.0	230.0	425.0	23.0	30.0	CALM	CALM	CLEAR	PT CLOUDY	FISHING	BOATING
95	2	08/28/95	LP WP	LP WP	19.0	19.0	7.0	7.7	30.9	30.3	90.43	99.17	7.6	7.8	0.0	0.0	127.5	192.5	215.0	455.0	20.0	28.0	CALM	RIPPLE	CLEAR	CLEAR	NONE	RESEARCH
95	2	09/11/95	WP LP	LP WP	16.5	16.5	7.0	7.2	31.6	31.2	86.63	98.87	7.9	7.9	NV	NV	163.0	170.0	240.0	440.0	19.0	21.0	CALM	RIPPLE	CLEAR	CLEAR	BOAT DOC	FISHING
95	2	09/26/95	LP WP	LP WP	15.0	15.0	7.3	7.8	31.0	31.9	87.36	93.83	7.8	7.8	0.0	0.0	145.0	200.0	215.0	455.0	14.5	21.0	RIPPLE	RIPPLE	CLEAR	CLEAR	BOATING	NONE
95	2	10/10/95	BP JJ	BP LP	13.0	15.0	7.3	8.1	31.1	30.4	83.91	96.56	7.9	8.0	7.0	4.0	185.0	215.0	245.0	460.0	19.0	15.0	CALM	RIPPLE	OVERCAST	SHOWERS	BOATING	BOATING
95	2	10/26/95	LP ASR	LP	12.0	12.0	7.8	7.8	28.5	28.0	85.19	96.03	7.9	7.8	2.0	2.0	116.0	190.0	140.0	455.0	11.0	17.0	CALM	CALM	CLEAR	CLEAR	BOATING	BOATING
95	2	11/09/95	LP, WP	LP WP	7.0	7.5	9.2	9.2	18.6	22.2	85.27	89.32	8.0	7.8	8.0	20.0	165.0	150.0	230.0	475.0	13.0	14.0	CALM	RIPPLE	OVERCAST	CLEAR	BOAT	CARPENTE
96	2	04/18/96	LP GV	LP GV	6.0	7.0	11.0	11.2	10.5	11.3	94.58	99.17	7.6	7.7	0.0	27.0	133.0	160.0	260.0	460.0	2.0	1.0	RIPPLE	WHITECA	PT CLOUDY	CLEAR	OTHER RES	NONE
96	2	05/06/96	GV LP RB E	GV LP	10.0	10.0	9.3	8.8	16.8	19.6	91.40	97.46	7.8	7.6	33.0	0.0	67.5	95.0	235.0	460.0	11.0	14.0	RIPPLE	RIPPLE	CLEAR	PT CLOUDY	NONE	UNH DIVERS
96	2	05/20/96	LP GV	LP GV	14.0	14.0	8.2	8.7	15.3	18.6	87.20	94.36	7.4	7.6	3.0	3.0	107.5	145.0	225.0	435.0	4.0	12.0	RIPPLE	CALM	SHOWERS	PT CLOUDY	NONE	NONE
96	2	06/03/96	GV JJ	JJ GV	17.0	16.0	6.7	6.9	20.6	23.2	78.22	80.21	7.4	7.2	2.0	1.0	117.5	192.5	255.0	455.0	26.0	33.0	CALM	RIPPLE	PT CLOUDY	CLEAR	1 LOBSTER	BOATING
96	2	06/17/96	LP	LP JJ JJ	20.5	19.0	7.1	8.0	31.3	26.9	94.61	100.88	7.6	7.6	1.0	5.0	85.0	85.0	210.0	570.0	24.5	16.0	CALM	WAVES	CLEAR	SHOWERS	FISHING	FISHING
													7.8	8.1			142.5	192.5	235.0	420.0	22.0	26.0	CALM	CALM	CLEAR	CLEAR	SCUBA, RE	RESEARCH

Site 3 - Lamprey River

YEAR	SITE	DATE	SAMPLER-L	SAMPLER-H	WTEMP-L oC	WTEMP-H oC	DO-L ppm	DO-H ppm	SAL-L ppt	SAL-H ppt	SAT-L %	SAT-H %	pH-L	pH-H	FECAL-L CFU/100	FECAL-H CFU/100	LP-L cm	LP-H cm	DEPTH-L cm	DEPTH-H CM	ATEMP-L 0c	ATEMP-H 0c	WATER-L	WATER-H	WEATHER-L	WEATHER-H	ACTIVITIES-L	ACTIVITIES-H
90	3	04/08/90			•	6.5	•	12.2	•	3.4	•	99.23	•	7.2	•	•	•	125	•	•	•	5.0						
90	3	04/25/90			11.5	12	10.8	11	2.4	3.3	100.89	104.47	7.1	7.6	•	•	124	125	•	•	10.0	11.0						
90	3	05/09/90			11	12.5	10.4	10.2	1.8	2	95.73	97.24	7.2	7.3	•	•	110	115	•	•	9.0	16.0						
90	3	05/24/90			11	12	10.9	10.9	1.8	1.8	100.34	102.65	8.1	7.6	•	•	165	155	•	•	8.5	16.0						
90	3	06/08/90			17.5	19	8.4	8	6.8	4.5	91.51	89.72	7.2	7.3	•	•	85	90	•	•	14.5	23.0						
90	3	06/23/90			20	20	7.8	7.9	8	6	87.61	89.94	7.3	7.2	•	•	85	80	•	•	19.0	20.0						
90	3	07/07/90			21	23	7.8	7.8	8.8	7.9	92.57	95.15	7.2	7.1	•	•	70	65	•	•	18.0	28.0						
90	3	07/21/90			24	27	6.4	7.2	4.6	16.1	78.17	98.64	7.2	7.5	•	•	85	75	•	•	26.0	32.0						
90	3	08/06/90			24	24	6.9	7.4	11.9	19.2	87.61	97.82	7.3	7.6	•	•	115	90	•	•	23.5	22.0						
90	3	08/20/90			20.8	23.5	6.95	7.65	10.1	5.5	81.82	93.00	7.2	7.1	•	•	100	105	•	•	14.0	20.0						
90	3	09/04/90			20	22.5	7.4	8	6.7	4.6	84.70	95.00	7	7.1	•	•	110	100	•	•	14.0	22.5						
90	3	09/17/90			17	18	7.2	7.8	10.6	9.6	78.31	97.19	7.1	7.4	•	•	75	100	•	•	10.0	14.5						
90	3	10/04/90			13.5	16.5	8.1	8.6	15.7	9.8	85.42	91.42	7.8	7.2	•	•	70	105	•	•	4.0	14.0						
90	3	10/18/90			13.5	15	10	9.8	2.1	1.7	97.53	98.54	7	7	•	•	65	85	•	•	2.5	20.0						
90	3	11/02/90			6	7.5	12	12.2	1.4	2.2	97.71	103.57	7.3	7	•	•	90	100	•	•	0.0	14.0						
91	3	04/13/91	DB RA VE	DB RA VE	9.0	10.0	10.7	10.7	4.1	4.3	95.24	97.61	7.5	7.6	•	•	•	95.0	•	•	0.5	10.5	ripple	ripple	ovrcast	ovrcast	no dock	no dock
91	3	04/27/91	DB BA VE S	DB BA VE SW	13.0	15.0	10.0	10.0	1.4	2.8	96.09	101.16	7.2	7.2	•	•	118.0	115.0	•	•	15.0	25.0	clear	clear	good day	good day	Michael	Michael
91	3	05/14/91	DB MA	DB MA	•	17.5	8.4	8.6	4.1	3.6	•	92.01	7.0	7.0	•	•	70.0	100.0	•	•	17.0	18.0			cool breaze	cool breaze		
91	3	05/27/91	DM BA VE	DM BA VE	18.0	21.5	6.8	7.6	8.2	5.2	75.42	88.93	6.9	6.9	•	•	65.0	85.0	•	•	16.0	21.0			SUN	SUN	CORMORANTS	CORMORANTS
91	3	06/12/91	DB MA	DB MA	21.0	25.0	6.8	7.7	13.1	7.9	82.19	97.45	7.1	7.1	•	•	60.0	60.0	•	•	22.0	29.5	cLM	cLM	clear	clear	heavy rain before	heavy rain before
91	3	06/26/91	DB RA VE	DB RA VE	21.0	25.0	7.4	9.0	11.9	15.2	88.84	118.46	7.4	7.4	•	•	90.0	80.0	•	•	22.0	31.0	calm	calm	pt cloud	pt cloud	humid	humid
91	3	07/10/91	DB MA VE	DB MA VE	19.0	22.0	7.0	7.2	20.4	18.8	84.89	91.56	7.6	7.6	•	•	90.0	70.0	•	•	19.0	28.0	calm	calm	clear	clear	lovely day	lovely day
91	3	07/25/91	DB RA.	DB RA	23.0	26.5	6.6	10.3	18.8	20.3	85.49	143.16	7.4	7.4	•	•	95.0	80.0	•	•	21.0	29.0	ripple	ripple	pt cloud	pt cloud	2 boats.mosquitos	2 boats.mosquitos
91	3	08/09/91	DB MA	DB MA	22.0	23.0	6.2	6.7	25.0	28.5	81.74	91.83	7.4	7.4	•	•	75.0	85.0	•	•	20.0	23.0	calm	calm	overcast	overcast	1 swan, 6 egrets	1 swan, 6 egrets
91	3	08/25/91	RA DB MA	RA DB MA	19.5	21.5	8.4	8.2	2.0	2.0	92.83	94.24	6.9	6.9	•	•	80.0	120.0	•	•	17.0	22.0	brown	brown	clear	clear	foam	foam
91	3	09/08/91	RA VE	RA VE	18.0	22.0	6.3	7.9	10.8	7.0	70.89	92.94	7.2	7.2	•	•	70.0	100.0	•	•	16.0	26.0	brown	brown	clear	clear	oysterson rocks	oysterson rocks
91	3	09/22/91	RA	RA	15.0	17.0	8.0	8.8	8.9	6.4	83.73	94.17	6.7	6.7	•	•	80.0	130.0	•	•	2.0	16.0	calm	calm	fog,wind	fog,wind		
91	3	10/08/91	RA	RA	15.0	15.0	9.0	9.2	5.6	2.4	92.46	92.88	7.2	7.2	•	•	80.0	130.0	•	•	16.0	18.0	ripple	ripple	rain,wind	rain,wind		
91	3	10/23/91	DB	DB	9.5	10.0	11.7	11.2	3.0	3.0	104.70	101.42	7.2	7.2	•	•	85.0	90.0	•	•	8.0	16.0	calm	calm	clear	clear	foam in dock	foam in dock
91	3	11/05/91	DB	DB MA	8.0	8.0	9.4	10.8	6.8	2.9	92.99	93.20	7.2	7.2	•	•	110.0	110.0	•	•	0.0	7.0	CALM	CALM	OVERCAST	OVERCAST		
92	3	04/17/92		DB NE	•	6.5	•	12.2	•	3.4	•	101.76	•	7	•	•	•	90	•	•	•	8		ripple		snow drizzle		
92	3	05/02/92	DB RA	DB RA	13	14	9.7	10.1	3.4	3.7	94.25	100.48	6.9	7.1	•	•	bsv	110	•	•	12	16	calm	ripple	overcast	overcast	Ann observed	dock installed
92	3	05/18/92	DB MA	DB MA	15.5	17.5	9.4	8.7	5.8	3.7	87.30	93.18	7.1	7.1	•	•	•	120	•	•	12	17.5	calm	ripple	overcast	slight haze	muddy h20	
92	3	05/31/92	RA MA	RA MA	17.5	18	6.2	8.3	12.8	5.6	69.85	90.75	7.4	7.4	•	•	35	85	•	•	15	17	ripple		overcast	sprinkles		pollen
92	3	06/14/92	VE RA DB	VE RA DB	21	24	6.9	7.7	6.3	4.8	80.35	94.14	7	7	•	•	80	105	•	•	21	31	calm	ripple	clear	clear	pollen	
92	3	06/29/92	MA VE	MA	20	24	7.6	6.9	14	7.9	90.57	85.76	7.3	7.3	•	•	55	80	•	•	18.5	24.5	calm	calm			foam, murky	
92	3	07/13/92	MA VE	VE CN	21	24	7.1	7.1	8.8	8	94.26	88.20	7.2	7.3	358.0	359.0	70	75	•	•	24	30	calm	ripple	overcast	pt cloudy		
92	3	07/28/92	MA RA SM	MA RA	20	22.5	6.8	7.8	10.1	8	79.29	94.82	7.4	7.6	830.0	880.0	90	90	•	•	18	24	calm	ripple	clear	pt cloudy	crows, jays	lg fish
92	3	08/11/92	MA DB	MA DB	20	23	6.7	7.8	10.1	7.2	78.13	94.80	7	7.1	300.0	200.0	95	95	•	•	18	27	ripple	ripple	pt cluod	pt cloud		cormorant
92	3	08/26/92	MA DB	MA DB	21	24	7.2	7.6	4.3	5.9	82.98	93.46	7.5	7.6	1020.0	360.0	90	100	•	•	18	28	calm		overcast			
92	3	09/10/92	DB MA	DB MA	19	22	7.4	8.2	9.8	6.4	84.47	96.87	7.1	7.8	3100.0	2240.0	80	125	•	•	23	28	ripple	ripple	overcast	overcast	crows	
92	3	09/25/92	DB MA	DB MA RA	14.5	16.5	8	7.6	19.7	23	89.27	89.12	7.6	7.8	NTVD	NTVD	105	105	•	•	2	12				pt cloud	frost	
92	3	10/10/92	RA MA	RA MA	14	14.5	8.8	9	8.1	12.8	89.74	95.31	7.4	7.7	3840.0	2160.0	45	90	•	•	16	18	calm	calm	showers	pt cloud		
92	3	10/24/92	RA MA VE	RA MA	9	10	10	10.7	9.4	4.5	91.82	97.73	7.5	7.3	50.0	50.0	70	125	•	•	7	15	calm	ripple	pt cloud	overcast	birds	breazy
92	3	11/09/92		MA RA	•	4.5	•	12.6	•	1.4	•	98.72	•	7.2	•	90.0	•	110	•	•	•	2		ripple		clear		yellow h2o
93	3	04/21/93	MA DB BC S	DB BC	12.5	13.5	10.3	10.7	•	•	•	•	7.4	7.7	•	50.0	•	130	•	130	17	22			overcast		swan	
93	3	05/06/93	MA BC	MA BC	16.5	19.5	•	8.5	0	1.1	•	93.49	7.4	7.2	•	90.0	•	45	•	45	18	27		ripples	overcast	pt cloud	boating	
93	3	05/20/93	DB MA BC	DB CC BC	16.5	16.5	8.8	8.9	5	2.5	89.99	91.72	7.1	6.9	•	1000.0	•	100	•	115	19	16		ripple	overcast	overcast	cormorants	boating
93	3	06/03/93	MA BC	MA BC	15	17.5	7.8	8.5	8.6	3	91.50	90.70	6.8	7	230.0	100.0	45	65	•	320	14	22	ripple	ripple	clear	pt cloud		swans
93	3	06/23/93	MA BC	JJ JJ	21.5	23.5	6.3	7.8	15.8	12.3	78.03	98.34	7.3	7.7	270.0	330.0	50	50	125	370	22	25		calm		overcast		swans,duck
93	3	07/08/93	JJ JJ DB	MA DB BC	24.5	29.5	7.2	9.8	15.1	15.5	93.88	139.66	7.4	8.2	100.0	100.0	15	75	135	235	28	30	calm	CALM	clear	CLEAR	swans	
93	3	07/22/93	DB CC		23.5	22.5	6.4	7.2	9.4	2.5	79.43	84.57	7.6	7.9	200.0	50.0	75	95	85	380	24	25	calm		clear			
93	3	08/03/93	DB BC	DB	24	27.5	7.4	10.8	13.7	18.8	84.88	151.46	7.3	7.8	470.0	100.0	110	100	135	220	23	31.5	calm	ripple	clear	clear	swans	boating
93	3	08/19/93	DB BC	BC DB MA	22	24.5	6.2	6.6	20.9	23.2	66.93	90.05	7.1	7.3	120.0	90.0	85	100	120	380	18	25	ripple	ripple	clear	clear		debris, swans, blue heron
93	3	09/02/93	DB BC	DB BC	22.5	24.5	6	7	23.7	28.4	66.01	98.45	7.1	7.6	•	•	110	120	115	350	21	28	ripple	ripple	clear	clear	mosquitos, 5 swans	birds, boating
93	3	09/20/93	BC AR	DB BC	14.5	16.5	6.6	5.6	19.8	22.2	72.86	65.35	7.4	7.3	•	•	120	135	115	280	14	15	ripple	ripple	clear	clear	extreme tides	
93	3	10/04/93	DB BC	MA BC MA.	14	16	9	8.72	6	6.8	90.70	92.11	7.1	7.1	540.0	180.0	150	125	150	360	16	22	ripple	ripple	pt cloudy	clear	windy	
93	3	10/18/93	DB	DB BC	10.5	13	9.4	9.8	8	6.9	88.62	97.12	6.9	7	•	•	115	100	120	280	12	18	waves	waves	pt cloudy	clear	sandpipers	mallards
93	3	11/10/93	MA DB BC S	DB	5.5	5.5	11.7	11.9	8.3	2.5	96.83	96.28	7	7.3	•	•	110	125	120	240	12	-2	ripple	calm	clear	clear		
94	3	05/10/94	DB MA	DB MA	•	14.5	•	10.9	•	3.7	•	108.61	•	7.3	•	•	•	•	•	•	•	19.0					NO DOCK!	NO DOCK!
94	3	05/25/94	DB MA	DB MA	16.5	17.5	4.6	8.7	4.1	1.6	48.37	92.13	7.1	7.0	230.0	130.0	75.0	110.0	140.0	165.0	12.0	18.0				DOWNPOUR		
94	3	06/09/94	DB MA	DB MA	19.0	23.0	7.0	7.9	23.0	9.3	86.21	96.58	7.4	7.4	330.0	250.0	87.0	97.5	110.0	215.0	18.0	24.0	RIPPLE	RIPPLE	PT CLOUDY	PT CLOUDY		
94	3	06/23/94	DB MA	DB MA	21.5	25.0	6.1	7.2	18.4	16.6	76.67	94.97	7.5	7.1	240.0	300.0	77.5	67.5	105.0	225.0	23.0	28.5	CALM	RIPPLE	CLEAR	CLEAR		
94	3	07/11/94	MA MA RA	MA MA RA	23.5	27.0	6.6	7.6	16.9	8.5	85.34	100.00	7.7	7.2	180.0	40.0	109.0	195.0	115.0	340.0	25.0	29.0	RIPPLE			CLEAR	MUDDY, MURKY WATER	
94	3	07/25/94	DB MA MA	DB MA	24.5	28.5	5.6	7.8	20.6	23.5	75.28	114.19	7.3	7.0	6400.0	20.0	92.5	87.5	110	255.0	24	•	RIPPLE	RIPPLE	OVERCAST	PT CLOUDY		
94	3	08/09/94	DB MA MA S	DB MA	18	28	•	•	17	25.3	•	•	7.8	8.3	310.0	30.0	•	•	•	•	20	25	CALM	LIGHT	CLEAR	PT CLOUDY	BOATING	FISHING
94	3	08/22/94	DB RA	DB RA	21.0	20.5	6.5	7.8	13.0	7.5	78.52	90.64	7.3	7.4	•	360.0	92.5	113.0	100.0	215.0	19.0	17.0	CALM	RIPPLE	OVERCAST	SHOWERS		
94	3	09/07/94	DM MA	DB MA	16.0	18.0	7.8	8.4	18.3	24.0	88.03	102.09	7.9	7.4	100.0	40.0	120.0	90.0	120.0	270.0	15.0	•	RIPPLE	RIPPLE	PT CLOUDY	CLEAR		
94	3	09/21/94	MA DB	MA DB SA	16.5	20.5	8.3	10.7	17.1	20.9	93.95	133.92	7.6	8.4	20.0	10.0	90.0	100.0	100.0	335.0	16.5	26.0	CALM	RIPPLE	CLEAR	CLEAR	2 CORMORANTS	
94	3	10/06/94	DB MA	MA AR MA SA	10.5	14.0	8.5	9.6	9.6	7.5	80.89	97.67	7.4	6.9	•	•	65.0	80.0	90.0	365.0	8.0	14.0	CALM	RIPPLE	CLEAR	PT CLOUDY		
94	3	10/20/94	DB MA	DB MA MA SA	11.0	12.0	10.5	10.4	7.0	4.6	99.56	99.50	7.6	7.4	39.0	55.0	102.5	106.5	120.0	108.5	13.0	15.0		RIPPLE		OVERCAST		WATER DIDN'T SMELL B
94	3	11/07/94	DB MA	DB MA	10.5	11.5	8.2	9.3	14.8	12.3	90.02	91.99	7.1	7.0	59.0	•	42.5	57.5	85.0	310.0	8.0	11.5	RIPPLE	RIPPLE	CLEAR	HAZE	COLD!!!	LOST MICRO BAG
95	3	04/18/95	•	DB MA	•	11.0	•	11.3	•	1.3	•	103.73	•	7.1	•	28.0	•	BSV	•	95.0	•	11.0	•	WAVES	•	CLEAR	•	SAMPLING PREFORMED
95	3	05/01/95	•	DB MA MA SA	•	12.5	•	10.8	•	2.7	•	103.36	•	7.1	•	•	•	BSV	•	55.0	•	12.0	•	RIPPLE	•	PT CLOUDY	•	NONE
95	3	05/15/95	•	DB	•	12.0	•	10.2	•	3.3	•	96.87	•	7.3	•	0.0	•	87.5	•	235.0	•	6.0	•	RIPPLE	•	DOWNPOUR	•	NONE
95	3	05/30/95	•	DB MA	•	18.0	•	8.5	•	4.8	•	92.53	•	7.4	•	240.0	•	82.5	•	210.0	•	24.0	•	RIPPLE	•	PT CLOUDY	•	WINDY, 20' FLOATING D
95	3	06/13/95	DB MA	DB MA	20.0	21.0	6.4	7.6	13.4	6.3	76.01	88.50	7.4	7.1	0.0	400.0	77.5	82.5	105.0	360.0	17.0	•	CALM	RIPPLE	OVERCAST	SHOWER	BOATING	NONE
95	3	06/27/95	DB	MA DB MA SA	25.0	21.0	7.0	8.6	12.4	18.6	90.74	107.22	7.1	7.6	700.0	120.0	52.5	87.5	140.0	325.0	17.0	20.0	CHOP	RIPPLE	CLEAR	CLEAR	NONE	NONE
95	3	07/12/95	DB MA	DB	20.5	26.5	6.7	7.2	21.6	25.8	71.59	101.40	7.1	7.1	200.0	17.0	53.0	62.5	85.0	235.0	17.0	28.0	RIPPLE	RIPPLE	OVERCASTE	CLEAR	NONE	BOATING
95	3	07/27/95	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
95	3	08/10/95	DEB	DB	22.5	26.0	6.8	8.6	14.1	7.9	85.00	110.82	7.4	7.1	230.0	200.0	32.5	107.5	90.0	335.0	18.0	30.0	CALM	RIPPLE	CLEAR	CLEAR	NONE	BOATING
95	3	08/28/95	DB	DB	19.0	22.0	6.0	7.6	22.4	28.4	73.61	102.25	7.1	7.6	NV	NV	97.5	82.5	110.0	350.0	19.0	23.0	RIPPLE	RIPPLE	CLEAR	CLEAR	NONE	NONE
95	3	09/11/95	MA DB	MA DB	17.0	19.0	6.3	8.8	27.1	25.6	76.63	110.10	7.4	7.4	90.0	10.0	72.5	82.5	100.0	350.0	13.0	20.0	RIPPLE	RIPPLE	CLEAR	CLEAR	DUCKS	BOATING
95	3	09/26/95	DB	MA	16.0	14.5	6.4	7.0	23.3	29.6	72.94	92.17	7.7	7.6	290.0	10.0	87.5	97.5	100.0	375.0	15.0	13.0	RIPPLE		OVERCAST			
95	3	10/10/95	DB MA	DB MA	12.5	16.0	8.0	9.2	11.7	8.8	80.62	98.16	7.0	6.9	100.0	30.0	95.5	82.5	120.0	350.0	10.0	18.0	CALM	RIPPLE	CLEAR	CLEAR	NONE	NONE
95	3	10/26/95	DB MA	DB MA	11.0	12.0	9.6	10.3	1.9	1.3	88.42	98.73	6.8	6.9	130.0	30.0	62.5	102.5	110.0	380.0	7.0	14.0	CALM	RIPPLE	OVERCAST	PT CLOUDY	GEESES AND FROTH O	BOATING
95	3	11/09/95	DB	DB, AM	6.0	4.0	13.6	13.0	0.2	2.2	109.16	101.03	7.6	6.9	0.0	10.0	97.5	•	145.0	•	0.0	0.0	RIPPLE	RIPPLE	PT CLOUDY		•	NONE
96	3	04/18/96	DB MA	DB MA	6.0	7.0	12.3	12.8	0.2	0.2	99.46	106.12	7.2	7.1	60.0		•	97.5	•	•	5.0	12.5	RIP TIDE	FROM FLO	PT CLOUDY	PT CLOUDY	•	ONE SWAN
96	3	05/06/96	DB MA	DB	12.5	12.5	10.6	10.7	0.8	1.4	100.27	101.67	7.6	7.3	140.0	20.0	BSV	152.5	127.0	325.0	3.0	7.0	RIPPLE	RIPPLE	OVERCAST	PT CLOUDY	NONE	NONE
96	3	05/20/96	DB MA	DB	17.5	18.0	9.7	9.6	2.8	2.2	103.39	103.05	7.7	7.3	110.0	80.0	152.5	152.5	165.0	330.0	22.0	32.0	RIPPLE	RIPPLE	PT. CLOUDY	PT. CLOUDY	NONE	NONE
96	3	06/17/96		DB MA MO SO		25.0		7.8		3.4	0.00	97.67		7.0		90.0		103.0		335.0		25.5		CALM		HAZY		NONE

Site 4 - Depot Rd

YEAR	SITE	DATE	SAMPLER-L	SAMPLER-H	WTEMP-L	WTEMP-H	DO-L	DO-H	SAL-L	SAL-H	SAT-L	SAT-H	pH-L	pH-H	FECAL-L	FECAL-H	LP-L	LP-H	DEPTH-L	DEPTH-H	ATEMP-L	ATEMP-H
					oC	oC	ppm	ppm	ppt	ppt	%	%			CFU/100ML	CFU/100ML	cm	cm	cm	cm		0c
90	4	04/06/90			6.1	6.1	9.53	11.7	11.2	11	60.26	105.93	7.5	7.9	.	.	BSV	BSV	.	.	6.2	16.0
90	4	04/25/90			.	10	.	9.7	.	17.1	.	95.51	.	7.6	.	.	.	105	.	.	.	11.0
90	4	05/09/90			12.6	12	11.98	8.8	10.2	20.1	119.67	92.29	7.8	7.9	.	.	BSV	BSV	.	.	13.0	13.0
90	4	05/24/90			13	13	6.34	10.76	15.2	15.8	65.95	112.33	7.2	7.7	.	.	BSV	BSV	.	.	9.5	13.5
90	4	06/08/90			19	18.1	8.6	8	19.9	20.4	103.99	95.15	7.7	7.8	.	.	BSV	BSV	.	.	19.0	22.7
90	4	06/22/90			19	22	7.68	7.48	24.3	25.2	95.33	98.73	7.6	7.7	.	.	.	85	.	.	19.0	31.0
90	4	07/07/90			21	23.6	9.5	6.73	25.9	22.4	123.65	89.78	8	7.9	.	.	.	90	.	90.0	19.5	30.0
90	4	07/20/90			23	25.9	9.4	9.6	28.9	29.3	116.40	123.72	8	7.9	.	.	.	.	.	.	24.1	37.0
90	4	08/05/90			24	26.6	6.7	7.7	27.8	28.5	93.08	112.15	7.8	8	.	.	BSV	115	.	115.0	24.0	28.0
90	4	08/20/90			19	21.5	7.5	9.2	24	18.4	92.93	103.07	7.6	7.8	.	.	.	120	.	120.0	14.6	19.0
90	4	09/03/90			18.5	22.5	6.3	6.8	22.2	22.4	76.47	89.09	7.5	7.6	.	.	.	45	.	.	12.0	27.5
90	4	09/18/90			11.5	15	8.5	7	27.1	25.6	92.19	80.93	7.6	7.6	.	.	.	95	.	.	7.0	16.5
90	4	10/04/90			13	15.5	9.2	8.8	28.6	29	104.04	105.00	7.6	7.9	.	.	.	90	.	90.0	4.0	21.5
90	4	10/18/90			14	16.1	7	7.5	19.9	21.2	76.53	86.13	7.4	7.6	.	.	.	95	.	95.0	16.0	20.3
90	4	11/02/90			7.7	11	8.9	9.1	14.4	16.3	81.29	91.20	7.6	7.7	.	.	.	110	.	110.0	10.0	23.0
91	4	04/14/91	LS FM EP E	LS FM EP EN	8.5	11.5	9.2	12.0	19.9	16.3	82.92	121.59	7.7	8.3	.	.	.	40.0	.	40.0	-4.0	12.0
91	4	04/28/91	LS FM EP	LS FM EP	10.0	14.5	9.0	9.2	12.7	13.3	86.27	97.71	7.6	7.8	.	.	.	4.0	.	.	9.5	14.0
91	4	05/13/91	EP FM	EP FM	14.0	18.0	7.6	7.8	15.0	15.2	80.67	90.00	7.5	6.9	.	.	.	70.0	.	70.0	14.0	33.0
91	4	05/27/91	EP LS	EP LS	17.0	19.5	8.2	8.2	21.4	22.0	96.18	101.35	7.7	7.7	.	.	BSV	40.0	.	40.0	12.0	19.0
91	4	06/11/91	EP JJ JJ LS	EP JJ JJ LS BF	21.0	22.0	7.6	7.8	26.8	27.4	99.44	104.31	.	7.8	.	.	BSV	60.0	.	60.0	26.0	29.0
91	4	06/26/91	LS EP	LS EP	23.5	24.5	9.4	9.2	30.0	28.5	131.15	129.46	8.0	7.9	.	.	.	55.0	.	55.0	27.0	30.0
91	4	07/10/91	EP AR	EP AR	20.0	22.5	8.4	8.9	31.6	31.9	111.05	123.41	7.9	7.9	.	.	.	55.0	.	55.0	19.0	25.0
91	4	07/25/91	EP LS	EP LS	22.0	24.0	6.7	7.1	31.1	30.8	81.63	100.42	7.7	7.8	.	.	.	55.0	.	.	21.5	22.0
91	4	08/09/91			.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
91	4	08/24/91	FM LS	FM LS	17.5	23.5	6.3	6.5	8.2	9.0	69.16	80.50	7.2	7.2	.	.	10.0	40.0	.	.	17.0	22.0
91	4	09/08/91	FM MM	FM MM	17.0	23.0	5.4	8.0	.	.	.	.	7.4	7.8	.	.	.	.	.	.	14.0	24.0
91	4	09/22/91	LS FM	LS FM	10.0	18.0	7.0	8.7	23.4	24.0	71.73	105.73	7.3	7.8	.	.	.	.	.	.	4.0	18.0
91	4	10/06/91	LS FM	LS FM	15.0	16.0	7.3	7.7	16.7	19.0	70.94	87.26	7.6	7.6	.	.	.	120.0	.	120.0	15.0	20.0
91	4	10/23/91	LS EP	LS EP	8.0	12.0	8.8	9.2	18.0	19.5	83.20	96.13	7.8	7.9	.	.	.	80.0	.	80.0	4.0	15.0
91	4	11/06/91	LS EP	EP	.	9.0	.	9.3	.	23.5	.	93.23	.	7.8	.	.	.	50.0	.	50.0	.	11.0
92	4	04/16/92	HM PF PW	PF PW	6.5	7.5	11.0	12.0	20.8	22.2	102.18	115.16	7.7	8.2	.	.	.	70.0	.	70.0	8.0	9.0
92	4	05/02/92	PW PF HN	FM	12.5	12.5	8.8	10.1	14.8	16.1	90.33	104.49	7.8	8.3	.	.	.	BSV	.	.	16.0	15.5
92	4	05/15/92			16.5	17.0	9.8	8.7	20.1	21.2	112.92	101.84	7.7	7.8	.	.	.	BSV	.	.	14.0	17.0
92	4	06/01/92	PW	PW	12.0	12.0	7.6	8.0	15.0	24.0	76.24	85.99	7.7	7.6	.	.	.	.	.	.	10.0	10.5
92	4	06/15/92	PW	PW	21.0	21.0	9.0	8.8	21.2	21.2	113.91	111.38	7.8	7.8	.	.	.	.	.	.	20.5	22.0
92	4	06/29/92	PK PW	PK PW LS	22.0	24.5	9.0	8.6	29.0	27.8	121.53	120.62	7.8	7.8	9.0	3.0	.	70.0	.	70.0	23.0	31.0
92	4	07/14/92	PW	PW PK	20.0	19.5	8.2	7.3	29.4	30.2	106.97	94.83	8.0	7.8	4.0	2.0	.	.	.	.	21.0	18.0
92	4	07/29/92	PW JJ	JJ JJ	23.5	24.0	8.5	8.1	30.3	30.6	118.81	114.43	8.1	7.9	2.0	2.0	.	90.0	.	.	24.0	30.0
92	4	08/12/92	PK PW	PK LS	19.0	21.0	7.6	8.1	23.5	30.3	93.89	121.63	7.6	.	10.0	1.0	140.0	BSV	.	.	18.5	22.0
92	4	08/26/92	PW LS	PW LS	21.5	25.5	6.6	6.6	27.8	26.9	97.67	121.99	7.6	8.0	22.0	4.0	.	BSV	.	.	23.0	30.0
92	4	09/11/92	LS PW	LS PW	19.0	22.0	7.2	8.6	30.8	29.9	93.02	118.76	7.8	8.0	9.0	9.0	.	.	.	.	20.0	23.0
92	4	09/28/92	DW JH	DW JH	12.5	14.5	9.4	9.0	24.6	30.4	102.50	108.20	7.6	7.9	6.0	3.0	BSV	BSV	.	.	13.0	16.5
92	4	10/10/92	PW LS	PK LS	14.0	15.0	7.2	8.5	27.1	30.7	82.33	101.52	7.6	8.0	.	18.0	BSV	BSV	.	.	18.0	23.0
92	4	10/24/92	LS PW	LS JJ	7.0	10.0	8.7	9.9	28.4	28.4	86.05	104.82	7.6	7.7	0.0	0.0	.	BSV	.	.	8.0	16.0
92	4	11/09/92		PW LS	-7.5	3.5	10.1	11.3	23.5	24.3	.	99.35	7.8	7.9	0.0	0.0	.	.	.	.	-6.0	4.0
93	4	04/21/93		LS PW	.	11.5	.	11.7	.	7.7	.	112.65	.	8.2	10.0	10.0	.	70.0	.	70.0	.	29.0
93	4	05/06/93		LS PM	.	19.0	.	9.2	.	11.5	.	106.02	.	7.7	.	40.0	.	40.0	.	40.0	.	24.0
93	4	05/20/93		PM PW	.	14.0	.	8.1	.	20.5	.	88.88	.	7.7	.	0.0	.	85.0	.	85.0	.	13.0
93	4	06/03/93		LS AR	.	20.0	.	8.6	.	23.3	.	108.15	.	7.8	.	0.0	.	55.0	.	55.0	.	25.0
93	4	06/23/93		LS	.	21.0	.	7.7	.	1.2	.	87.28	.	8.0	.	30.0	.	30.0	.	60.0	.	28.0
93	4	07/06/93		JJ JJ LS	.	28.0	.	.	.	28.1	.	.	.	8.1	.	0.0	.	55.0	.	55.0	.	35.0
93	4	07/22/93		LS PW	.	23.0	.	7.8	.	29.4	.	108.80	.	8.0	.	0.0	.	70.0	.	70.0	.	27.0
93	4	08/03/93		LS PW	.	28.0	.	9.8	.	28.9	.	141.87	.	8.1	.	.	.	75.0	.	75.0	.	33.0
93	4	08/19/93		PW	.	24.0	.	8.4	.	28.5	.	117.18	.	7.8	.	0.0	.	60.0	.	60.0	.	24.0
93	4	09/02/93		LS KF	.	24.0	.	7.9	.	31.7	.	112.35	.	7.9	.	0.0	.	60.0	.	60.0	.	24.5
93	4	09/20/93		LS PF KF	.	17.5	.	9.2	.	30.1	.	114.98	.	8.1	.	10.0	.	80.0	.	80.0	.	14.0
93	4	10/04/93		AT LS PW PF	.	17.5	.	9.8	.	29.2	.	121.78	.	8.0	.	TNTC	.	60.0	.	60.0	.	24.0
93	4	10/18/93		LS PW	.	16.0	.	10.1	.	27.6	.	120.59	.	8.0	.	240.0	.	40.0	.	40.0	.	12.0
93	4	11/09/93		LS AT KF	.	8.0	.	10.1	.	23.1	.	98.88	.	7.9	0.0	0.0	.	35.0	.	35.0	.	4.0
94	4	04/28/94		LS KF PM	.	9.0	.	11.2	.	19.6	.	109.49	.	7.9	.	1.0	.	55.0	.	65.0	.	8.0
94	4	05/10/94		LS KF AT PW	.	16.0	.	9.9	.	11.9	.	107.63	.	7.8	.	30.0	.	40.0	.	40.0	.	20.0
94	4	05/25/94		LS KF AT PW	.	16.0	.	9.4	.	18.3	.	106.08	.	7.6	.	1200.0	.	70.0	.	70.0	.	16.0
94	4	06/09/94		KF AT	.	22.0	.	8.5	.	24.3	.	124.73	.	7.0	.	.	.	25.0	.	25.0	.	29.0
94	4	06/23/94		LS KF PM AT	.	23.0	.	8.1	.	28.6	.	111.08	.	8.1	.	7.0	.	50.0	.	50.0	.	27.0
94	4	07/11/94		LS KF PW	.	27	.	8.6	.	30.9	.	128.12	.	8.1	.	9.0	.	50	.	50	.	28.0
94	4	07/25/94		PW PM KF	.	27.5	.	7.7	.	31.7	.	116.22	.	7.9	.	2.0	.	80.0	.	80.0	.	34.0
94	4	08/09/94		PM KF PW	.	26.5	.	8.8	.	31.1	.	130.15	.	8.2	.	1.0	.	45	.	45	.	29.0
94	4	08/22/94		LS KF	.	19	.	7.3	.	30.6	.	94.18	.	7.8	.	.	.	70	.	70	.	16.0
94	4	09/07/94		LS PM KF PW	.	18	.	9.8	.	31.3	.	124.62	.	8	.	.	.	85	.	85	.	28.0
94	4	09/21/94		KF AT PM PW	.	20	.	9.9	.	31.3	.	130.72	.	8.1	.	0	.	42	.	42	.	22.0
94	4	10/06/94		LS KF	.	13	.	12.5	.	24.2	.	137.42	.	8.5	.	2	.	88	.	88	.	13.0
94	4	10/20/94		LS AT KF	.	13	.	11.8	.	29.4	.	134.13	.	8.3	.	0	.	80	.	80	.	.
94	4	11/07/94		LS KF PW	.	9	.	9.7	.	23.6	.	97.30	.	.	.	15	.	16	.	60	.	10.0
95	4	04/18/95		LS KF AT	.	.	.	11.6	.	.	.	.	.	7.1	.	0.0	.	.	.	65.0	.	12.0
95	4	05/01/95		PG KF PW	.	13.0	.	10.6	.	21.6	.	114.65	.	7.8	.	0.0	.	BSV	.	45.0	.	10.0
95	4	05/15/95		PG KF PW	.	12.5	.	8.8	.	23.6	.	95.32	.	7.6	.	2.0	.	BSV	.	75.0	.	9.0
95	4	05/30/95		PM KF LS	.	23.0	.	.	.	20.1	.	.	.	7.6	.	50.0	.	.	.	35.0	.	27.0
95	4	06/13/95		LS AT KF PW	.	18.0	.	8.4	.	24.8	.	102.59	.	7.6	.	4.0	.	BSV	.	57.0	.	16.0
95	4	06/27/95		LS PM	.	23.0	.	8.7	.	28.6	.	119.45	.	7.9	.	11.0	.	BSV	.	25.0	.	25.0
95	4	07/12/95		LS PW KF	.	24.0	.	.	.	29.2	.	.	.	7.8	.	1.0	.	.	.	55.5	.	28.0
95	4	07/27/95		PM KF	.	29.5	.	8.7	.	28.5	.	133.20	.	8.0	.	NV	.	BSV	.	65.0	.	35.0
95	4	08/10/95		LS PM KF	.	25.5	.	9.0	.	27.3	.	127.96	.	8.0	.	1.0	.	BSV	.	65.0	.	32.0
95	4	08/28/95		LS KF PW	.	23.0	.	8.3	.	30.1	.	114.86	.	7.9	.	NV	.	BSV	.	65.0	.	23.0
95	4	09/11/95		PM AT	.	20.5	.	8.1	.	31.3	.	107.93	.	8.1	.	0.0	.	BSV	.	65.0	.	21.0
95	4	09/26/95		PM KF LS PW	.	15.0	.	7.5	.	30.4	.	89.41	.	7.7	.	1.0	.	BSV	.	55.0	.	15.0
95	4	10/10/95		LES KF MY PM	.	16.0	.	9.0	.	32.0	.	110.59	.	7.9	.	0.0	.	BSV	.	55.0	.	19.0
95	4	10/26/95		LES KF AT PM	.	12.5	.	9.3	.	24.2	.	101.15	.	7.8	.	0.0	.	BSV	.	80.0	.	1.5
95	4	11/09/95		LS KF MY PM	.	6.0	.	10.8	.	13.7	.	94.72	.	7.5	.	14.0	.	45.0	.	60.0	.	0.0
96	4	04/18/96		KF PM PW	.	11.5	.	10.7	.	2.0	.	99.73	.	7.5	.	20.0	.	25.0	.	60.0	.	14.0
96	4	05/06/96		KF PM	.	11.5	.	9.2	.	6.4	.	97.92	.	7.4	.	3.0	.	65.0	.	BSV	.	10.0
96	4	05/20/96		LS AT KF PW	.	20.5	.	8.8	.	10.9	.	104.08	.	7.6	.	11.0	.	BSV	.	65.0	.	31.0
96	4	06/03/96		LS KF PM PW	.	19.0	.	9.6		18.4	.	115.07	.	7.8		0.0	.	57.5	.	60.0	.	17.0
96	4	06/17/96		LS PM KF	.	25.0	.	10.1	.	24.0	.	139.87		8.0				BSV		45.0		23.0

Site 5 - Portsmouth Country Club

YEAR	SITE	DATE	SAMPLER-L	SAMPLER-H	WTEMP-L	WTEMP-H	DO-L	DO-H	SAL-L	SAL-H	SAT-L	SAT-H	pH-L	pH-H	FECAL-L	FECAL-H	LP-L	LP-H	DEPTH-L	DEPTH-H	ATEMP-L	ATEMP-H	WATER-L	WATER-H	WEATHER-L	WEATHER-H	ACTIVITIES-L	ACTIVITIES-H
					Oc	oC	ppm	ppm	ppt	ppt	%	%			CFU/100ML	CFU/100ML	cm	cm	cm	cm	0c	0c						
90	5	04/09/90			5	11	10.7	10.4	2.8	7.2	85.64	98.73	7.2	7.3	•	•	•	23	•	•	3.0	14.0						
90	5	04/25/90			11	11	9.3	9.3	1.8	16	85.61	93.03	7.3	7.7	•	•	•	65	•	•	10.0	10.0						
90	5	05/09/90			12	21	8.8	8.9	2	12.7	82.97	107.33	7.5	7.4	•	•	•	55	•	•	11.0	27.0						
90	5	05/24/90			10	15	9	8.6	1.8	13.9	80.84	92.64	7.4	7.6	•	•	•	38	•	•	12.0	9.0						
90	5	06/08/90			17	23	7.7	7.9	4.1	17.5	81.81	101.58	7.3	7.8	•	•	•	45	•	•	18.0	22.0						
90	5	06/22/90			18	25	5.9	7.7	10.8	22.5	65.27	105.67	7.2	7.8	•	•	•	45	•	•	17.0	29.0						
90	5	07/07/90			20	24	6.6	8.2	10.1	24.8	76.98	111.93	7.4	8	•	•	•	60	•	•	17.0	22.0						
90	5	07/22/90			23	28	4.7	7.1	20.1	28.2	61.33	102.38	7.5	8	•	•	•	76	•	•	22.0	27.0						
90	5	08/06/90			23	23	5.5	7.5	18.6	29.5	71.16	103.41	7.4	7.9	•	•	•	45	•	•	23.0	22.0						
90	5	08/20/90			19	21	6.8	8.3	12.2	28.1	76.38	108.14	7.2	8	•	•	•	90	•	•	10.0	19.0						
90	5	09/04/90			18	21	6.5	7.9	10.8	22.2	73.14	100.67	7.3	7.7	•	•	•	95	•	•	14.0	20.0						
90	5	09/18/90			12	14	6.6	8.2	14.9	26.9	87.05	93.65	7.3	7.8	•	•	•	55	•	•	10.0	13.0						
90	5	10/04/90			12	15	6.8	8.5	17.5	27.4	89.12	99.40	7.8	8.2	•	•	•	•	•	•	11.0	23.0						
90	5	10/18/90			13	14	7.2	7.3	0.1	10.8	68.69	75.61	7.2	7.2	•	•	•	60	•	•	17.0	24.0						
90	5	11/02/90			•	10	•	9.1	•	14.8	•	88.24	•	7.6	•	•	•	80	•	•	•	19.0						
91	5	04/14/91	HJ SM LK BB	HJ SM LK BB	6.5	11.5	9.9	10.4	2.8	17.5	82.28	106.15	7.5	8.1	•	•	•	70.0	•	•	3.0	11.0	ripple	ripple	clear	clear	golfers	golfers
91	5	04/28/91	HJ LK BB	HJ LK BB	13.0	15.0	8.1	8.6	2.1	11.4	78.14	91.30	7.0	7.6	•	•	•	30.0	•	•	9.0	12.0	ripple	ripple	pt cloud	pt cloud	songbirds	songbirds
91	5	05/14/91	LK HJ BB	LK HJ BB	18.5	17.0	6.0	7.5	5.8	17.1	68.28	85.76	7.3	7.6	•	•	•	45.0	•	•	17.0	15.0	calm	calm	OVERCAST	OVERCAST	3 sandpiper	3 sandpiper
91	5	05/28/91	BB HJ LK	BB HJ LK	18.0	23.0	8.2	7.2	8.2	22.6	88.76	95.31	7.4	7.7	•	•	•	65.0	•	•	16.0	28.0	calm	calm	haze	haze	cormorant	cormorant
91	5	06/12/91	BB HJ LK	BB HJ LK	21.0	24.0	4.8	6.1	10.3	22.9	67.12	82.36	7.3	7.8	•	•	•	70.0	•	•	20.0	25.0	ripple	ripple	pt cloud	pt cloud	rain night before	rain night before
91	5	06/26/91	BB SM HJ LK	BB SM HJ LK	21.0	25.0	7.2	8.5	14.2	27.8	87.58	120.17	7.7	8.0	•	•	•	85.0	•	•	21.0	30.0	ripple	ripple	pt cloud	pt cloud	hot	hot
91	5	07/11/91	BB LK HJ	BB LK HJ	20.0	23.0	5.8	8.0	20.8	29.8	71.79	110.61	7.4	7.9	•	•	•	90.0	•	•	18.0	27.0	ripple	ripple	clear	clear	golfers	golfers
91	5	07/26/91	LK BB HJ	LK BB HJ	22.0	23.0	4.6	6.0	18.6	30.2	59.43	83.09	7.6	7.8	•	•	•	85.0	•	•	20.0	24.0	calm	calm	overcast	overcast	noseeums	noseeums
91	5	08/09/91	HJ SM LK	HJ SM LK	22.0	23.0	5.5	7.4	23.8	32.1	72.00	103.66	7.6	7.9	•	•	•	95.0	•	•	19.0	21.0	ripple	ripple	overcast	overcast	birds, wasps,golf tour	birds, wasps,golf tour
91	5	08/25/91	LK SN BB	LK SN BB	19.0	23.0	6.0	7.4	1.8	9.6	65.58	91.10	7.1	7.6	•	•	•	70.0	•	•	16.0	20.0	calm	calm	clear	clear	after Bob	after Bob
91	5	09/09/91	HJ RJ BB RH	HJ RJ BB RH	18.0	22.0	5.8	8.6	6.0	23.8	63.55	112.58	7.3	7.9	•	•	•	95.0	•	•	12.0	19.0	calm	calm	clear	clear	swan	swan
91	5	09/23/91	HJ LK BB	HJ LK BB	12.0	16.0	7.8	8.0	3.3	20.8	74.08	91.70	7.2	7.7	•	•	•	115.0	•	•	11.0	18.0	calm,ripple	calm,ripple	overcast	overcast	tide not dead low	tide not dead low
91	5	10/07/91	LK SM BB	LK SM BB	12.0	13.5	7.6	8.4	2.0	13.9	71.65	87.64	7.3	7.8	•	•	•	55.0	•	•	5.0	12.0	waves,calm	waves,calm	ptl cloud	ptl cloud	tide very high	tide very high
91	5	10/23/91	HJ LK SM	HJ LK SM	7.0	11.0	8.8	9.4	1.6	17.5	73.55	94.90	7.3	7.7	•	•	•	•	•	•	2.0	14.0	ripple	ripple	clear	clear		
91	5	11/06/91	LK HJ BB	LK SM BB	5.0	8.0	9.2	9.5	8.2	22.0	74.69	87.89	7.7	7.8	•	•	•	•	•	•	0.0	7.0	CALM	CALM	PT CLOUDY	PT CLOUDY	NO GOLFERS	GOLFERS
92	5	04/16/92	LK SM HJ BB	SM BB	6.5	8.5	10.8	12	2.8	18.3	87.54	116.00	7.2	8.3	•	•	BSV	55	•	•	-2	2	calm	calm	clear	cloudy	frost	
92	5	05/02/92	LK HJ SM BB	LK HJ SM BB	12.5	14.5	8.6	9.8	2.1	15.3	82.03	105.31	7.4	8.1	•	•	BSV	90	•	•	11	13		ripples	overcast	overcast		burette leaked
92	5	05/16/92	LK SM BB	LK SM BB	13.5	15.5	7.3	8.5	6.7	18.7	73.05	95.17	7.4	7.8	•	•	BSV	65	•	•	8	14	calm	ripples	showers	sunny		fishing
92	5	06/01/92	SM BB	SM HJ BB	14	13.5	8.4	7.5	12.6	17.6	88.98	90.00	7.4	7.6	•	•	BSV	35	•	•	9	9			showers	overcast		
92	5	06/14/92	LK BB	LK BB	21	27	4.6	6.9	3.7	13.9	52.83	93.42	7.1	7.7	•	•	BSV	65	•	•	20	30	calm	ripples	clear	clear	dk br h20	golfers
92	5	06/30/92	HJ LK SM	HJ LK SM	22	26	5.1	8.6	16	26.6	63.84	122.13	7.2	7.9	•	42.0	BSV	80	•	•	20	29	calm	ripples	hazy	pt cloudy	slight odor	golfers
92	5	07/14/92	LK SM BB	LK SM BB	21	20	5.5	6.7	11.6	27.2	65.92	86.26	7.2	7.7	0.0	10.0	bsv	95	•	•	20	17	calm	ripples	overcast	showers	golfers	golfers
92	5	07/28/92	HJ BB LK	HJ BB LK	20	22	5.9	7.5	14	26.8	70.31	99.94	7.3	7.7	480.0	16.0	bsv	100	•	•	22	24	ripples	ripples	clear	pt cloudy	mallards	mallards
92	5	08/13/92	SM BB	SM BB	19	20	6.8	8.7	14.4	27.2	79.65	112.01	7.4	7.8	137.0	2.0	bsv	bsv	•	•	12	19	calm	calm	overcast	pt cloudy	sea gull	ducks
92	5	08/27/92	LK SM HJ BB	LK SM BB	22.5	24	4.5	6.2	16	26	56.85	85.22	7.2	7.6	560.0	15.0	bsv	125	•	•	20	26.5	calm	ripples	foggy	hazy	golfing	humid
92	5	09/11/92	LK SM HJ BB	LK SM HJ BB	20	21	5.1	7.1	12.7	27.4	60.33	93.23	7.2	7.7	390.0	8.0	bsv	bsv	•	•	18	22	ripples		showers	pt cloudy		woodchuck
92	5	09/26/92	SM HJ LK BB	SM HJ BB	12	14	7.4	8.7	17.5	29.5	78.30	101.03	7.5	7.9	90.0	5.0	bsv	nsv	•	•	11	15	calm	ripples	pt cloudy	sprinkles	golfing	cormorants
92	5	10/11/92	HJ LK BB	HJ LK BB	13	14	6.2	7.7	10.5	28.5	62.73	88.84	7.1	7.5	640.0	42.0	bsv	bsv	•	•	13	17	calm	calm	foggy	overcast	sandpipers	golfing
92	5	10/25/92	SM BB	SM BB	9	9	8.1	8.8	9.3	26	74.33	89.67	7.2	7.6	200.0	0.0	bsv	bsv	•	•	7	8	ripples	calm	showers	overcast		debris on h2o
92	5	11/09/92	LK SM BB	LK HJ SM BB	1	3	10.9	10.9	2.2	19.1	78.15	91.90	7.5	7.7	10.0	10.0	bsv	60	•	•	-8	2	calm	sunny	clear	clear	ice	golfing
93	5	04/21/93	BB HJ SM	BB HJ SM	13.5	15.5	9.8	11.2	1.1	4.4	95.35	115.51	7.3	8.2	160.0	330.0	•	67.5	•	100.0	15.0	20.0	ripple	waves	overcast	pt cloud	course workers	course workers
93	5	05/06/93	HJ SM BB AR	HJ SM BB	17	18.5	7.6	7.9	1.9	15.5	79.75	92.21	7.4	7.5	•	•	40	47.5	40.0	70.0	19.0	29.0	ripple	waves	overcast	clear	golfers	
93	5	05/20/93	BB DC	HJ BB DC	13.5	15.5	7.3	7.9	3.9	19.6	71.91	88.40	7.2	7.4	1100.0	0.0	35	62.5	35.0	110.0	11.5	13.0	calm	ripple	overcast	overcast	golfers	golfers
93	5	06/03/93	HJ SM DC BB	HJ SM DC BB	14	17.5	6.6	7.8	10.3	23.2	69.16	93.41	7.4	7.6	240.0	10.0	30	27.5	30.0	125.0	14.0	22.0	ripple	waves	clear	pt cloud	cormorants	golfers
93	5	06/23/93	SM BB DC	SM BB	19.5	21.5	6.2	6.85	15.6	26.8	73.83	90.44	7.3	7.6	•	•	30	27.5	30.0	120.0	20.0	24.0	waves	waves	clear	clear	golfers	golfers
93	5	07/06/93	SM BB DC	SM BB DC	24.5	28	7.2	7.6	19.8	15.7	96.35	105.71	7.4	7.7	350.0	0.0	35	102.5	35.0	115.0	24.0	34.0	ripple	ripple	clear	clear	golfers	golfers
93	5	07/22/93	BB DC	BB DC SM	21.5	22.5	6.5	7	24.3	32.3	71.54	97.30	7.3	7.7	200.0	0.0	45	65	45.0	75.0	22.0	25.0	ripple	ripple	clear	overcast	birds	birds
93	5	08/03/93		BB DC SM	23.5	27.5	7.8	8.8	18	28.8	101.49	130.58	7.3	7.8	600.0	0.0	45	110	45.0	120.0	24.0	31.0	ripple	ripple		pt cloud		rain day before
93	5	08/19/93	SM DC	SM DC BB	21	23	4.2	6.8	23.8	30.1	53.98	94.10	7.2	7.7	210.0	10.0	35	135	35.0	135.0	19.5	24.5	calm	calm	foggy	cloudy	rain day before	flock of killdeer
93	5	09/02/93	BB SM DC	BB SM DC	22	24	4.3	8.2	24.1	31.5	56.39	116.47	7.2	7.8	100.0	0.0	45	110	45.0	110.0	20.0	23.5	calm	ripple	pt cloud	pt cloud	birds and golfers (ibis)	blue heron and others
93	5	09/20/93	BB SM	BB SM DC	15	16.5	6.8	9.2	19.6	24.1	75.77	109.61	7.6	7.9	•		45	87.5	45.0	145.0	18.0	15.0	ripple	calm	pt cloud	pt cloud	golf, prob w salinity	golf
93	5	10/04/93	BB SM DC	BB SM DC	12.5	16	7.9	9.5	12.9	28	80.18	113.78	7.4	7.9	140.0	0.0	60	110	60.0	110.0	17.0	22.0	ripple	ripple	pt cloud	clear	great blue herons	birds
93	5	10/18/93	BB DC	BB DC SM	11.5	14	7.4	8.5	13.9	28.5	73.90	98.08	7.5	7.8	•	•	45	27.5	45.0	•	18.0	18.0	ripple	ripple	pt cloud	pt cloud	golfers	golfers
93	5	11/09/93	SM DC BB	SM DC	5	3	10.5	10.1	6.7	22	85.61	86.74	7.4	7.7	•	•	35	65	35.0	85.0	10.0	1.0	calm	calm	overcast	clear	golfers	debris on water
94	5	04/26/94	BB DC SM	BB DC SM	8.0	8.0	9.0	10.4	1.8	17.0	77.09	97.71	7.3	8.0	60.0	12.0	•	72.5	•	115.0	6.0	7.0	RIPPLE	RIPPLE	SHOWERS	OVERCAST	NONE	GOLF
94	5	05/10/94	BB DC SM	BB DC SM	14.0	16.0	8.3	8.8	1.0	10.8	81.35	94.96	7.3	7.6	100.0	60.0	•	27.5	•	110.0	14.0	18.0	CALM	RIPPLE	PT CLOUDY	CLEAR	GOLF	ECLIPSE
94	5	05/25/94	BB DC SM	BB DC SM	15.0	15.5	8.5	7.6	4.9	17.0	66.62	84.23	7.3	7.5	TNTC	20.0	•	82.5	•	135.0	11.0	15.0	CALM	CALM	OVERCAST	DOWNPOUR	GOLF	BIRDS
94	5	06/09/94	BB DC	BB DC SM	18.5	23	6.5	8.9	7.1	21.8	61.24	117.14	7.3	8.0	520.0	11.0	•	55.0	•	95.0	19.0	26.0	RIPPLE	RIPPLE	PT CLOUDY	CLEAR	GOLF	GOLF
94	5	06/23/94	BB DC SM	BB DC SM	20.5	23.0	5.6	7.9	19.5	27.2	69.52	107.44	7.3	7.9	TNTC	25.0	35.0	40.0	35.0	70.0	21.0	22.0	RIPPLE	RIPPLE	CLEAR	PT CLOUDY	GOLF	GOLF
94	5	07/11/94	BB DC	DC SM	24.0	27.0	6.9	10.4	20.5	28.2	91.88	152.61	7.5	8.2	340.0	34.0	35.0	75.0	35.0	75.0	24.0	33.0	RIPPLE	CALM	CLEAR	CLEAR		GOLF
94	5	07/25/94	BB DC	DC SM	25.0	28.0	6.5	9.3	16.9	28.6	85.69	139.00	7.5	7.9	430.0	10.0	35.0	97.5	35.0	115.0	25.0	30.0	CALM	CALM	FOG	FOG	GOLF	GOLF
94	5	08/09/94	BB DC	BB DC SM	21.0	25.0	6.0	8.9	22.5	29.2	78.62	126.87	7.4	8.1	320.0	10.0	35.0	115.0	35.0	115.0	21.0	27.0	CALM	RIPPLE	CLEAR	CLEAR	GOLF	GOLF
94	5	08/22/94	BB DC	BB DC	20.0	19.5	5.1	7.0	8.8	27.0	59.05	89.16	7.3	7.5	1000.0	0.0	35.0	90.0	35.0	90.0	19.0	16.0	CALM	CALM	OVERCAST	OVERCAST	GOLF	GOLF (LOTS)
94	5	09/07/94	BB DC SM	BB DC SM	14.5	17.0	6.8	9.6	15.7	29.2	73.25	118.16	7.3	8.1	•	•	35.0	100.0	35.0	100.0	15.0	21.0	CALM	CALM	CLEAR	CLEAR	GOLF	BIRDS
94	5	09/21/94	BB DC SM	BB DC SM	16.0	19.5	8.5	11.5	13.2	28.5	93.10	147.83	7.8	8.4	57.0	1.0	25.0	105.0	25.0	105.0	16.0	23.0	CALM	RIPPLE	CLEAR	CLEAR	GOLF	GOLF
94	5	10/06/94	BB DC	BB DC SM	9.5	13.0	7.9	11.4	3.1	20.3	70.73	122.31	7.3	8.4	110.0	2.0	35.0	82.5	35.0	100.0	8.0	14.0	CALM	RIPPLE		PT CLOUDY	MURKY WATER COL	GOLF
94	5	10/20/94	BB DC SM	BB DC SM	11.0	13.0	7.3	10.4	8.4	25.5	69.79	115.28	7.4	8.3	33	3	35.0	75.0	35.0	130.0	19.0	16.0	CALM	RIPPLE	OVERCAST	OVERCAST	GOLF	DETRITUS ON WATE
94	5	11/07/94	BB SM	BB SM	9.0	9.0	8.3	9.0	13.4	27.4	79.07	92.57	7.4	7.7	260.0	10.0	35.0	18.5	35.0	•	8.0	11.0	WAVES	WAVES	CLEAR	CLEAR	GOLF	GULLS AND WINDY
95	5	04/18/95	BB SM	BB DC SM	10.0	12.5	10.8	11.1	1.2	18.8	98.33	118.73	7.6	8.0	.22.0	NV	•	97.5	45.0	110.0	13.0	11.0	CALM	RIPPLE	CLEAR	PT CLOUDY	GOLF	GOLF
95	5	05/01/95	BB DC SM	BB DC SM	10.0	12.0	9.1	9.3	4.3	20.1	83.02	97.64	7.5	7.9	26.0	3.0	•	87.5	45.0	105.0	8.5	11.0	CALM	CALM	OVERCAST	PT CLOUDY	GOLF	GOLF
95	5	05/15/95	BB DC SM	BB DC SM	12.0	11.5	8.3	8.4	3.3	22.6	78.92	88.51	7.4	7.8	110.0	0.0	•	70.0	45.0	120.0	10.0	9.0	RIPPLE	RIPPLE	SHOWERS	SHOWERES	GROUNDS WORKER	NONE
95	5	05/30/95	BB DC	BB DC	17.5	21.0	6.0	8.6	4.2	19.9	84.44	108.03	7.5	7.8	240.0	20.0	•	27.5	45.0	95.0	20.0	23.0	RIPPLE	RIPPLE	PT CLOUDY	PT CLOUDY	GOLF	GOLF
95	5	06/13/95	BB SM	DC SM BB	16.5	19.0	5.1	7.4	11.4	23.6	55.85	91.47	7.2	7.8	220.0	25.0	•	75.0	45.0	120.0	17.0	16.5	CALM	RIPPLE	PT CLOUDY	SHOWERS	GOLF	GOLF
95	5	06/27/95	DC SM	DC SM	21.0	22.0	6.6	8.1	14.6	27.8	80.44	108.58	7.5	8.0	340.0	4.0	•	70.0	45.0	95.0	22.0	23.0	CALM	RIPPLE	CLEAR	CLEAR	GOLF	GOLF
95	5	07/12/95	BB DC SM	BB DC SM	20.0	23.0	4.6	7.5	22.0	28.8	57.41	102.98	7.3	8.0	230.0	6.0	•	100.0	45.0	115.0	17.0	24.0	CALM	CALM	FOG/HAZE	PT CLOUDY/	GOLF	GOLF
95	5	07/27/95	BB SM	BB DC SM	24.0	29.5	5.1	9.5	2.8	25.5	61.65	143.00	7.3	8.0	TNTC	NV	•	BSV	45.0	95.0	24.0	32.0	CALM	CALM	CLEAR/HAZ	PT CLOUDY	GOLF	GOLF
95	5	08/10/95	BB DC SM	BB SM	21.0	28.0	5.0	9.0	16.0	27.8	61.42	129.45	7.3	8.0	320.0	0.0	•	•	45.0	115.0	20.0	28.5	CALM	RIPPLE	CLEAR		GOLF	GOLF
95	5	08/28/95	BB DC SM	BB DC SM	18.0	22.0	8.0	9.7	21.4	29.9	71.79	131.62	7.4	8.0	NV	NV	•	BSV	45.0	115.0	20.0	22.0	CALM	RIPPLE	CLEAR	CLEAR	GOLF	GOLF
95	5	09/11/95	BB SM	BB SM DC	15.0	18.0	6.5	10.3	26.0	30.8	75.34	130.56	7.5	8.0	10.0	0.0	•	87.5	45.0	120.0	14.0	21.0	RIPPLE		CLEAR		GOLF	
95	5	09/26/95	SM DC	BB DC SM	14.5	13.0	6.3	8.8	21.6	29.8	70.32	100.29	7.5	8.0	80.0	0.0	•	130.0	45.0	135.0	14.0	15.0	CALM	CALM	OVERCAST	OVERCASTE	GOLF	GOLF
95	5	10/10/95	BB DC	BB DC SM	11.5	16.0	7.4	10.0	8.4	27.7	71.64	119.64	7.4	8.0	30.0	0.0	•	BSV	45.0	130.0	10.0	18.0	calm	ripple	clear	clear	golf	golf
95	5	10/26/95	BB DC SM	BB DC SM	10.0	13.0	8.0	9.1	2.4	24.2	72.19	100.04	7.4	7.9	10.0	10.0	•	90.0	45.0	140.0	8.0	18.0	calm	ripple	mostly cloudy	clear	golf	golf
95	5	11/09/95	BB DC	BB DC	4.5	5.0	10.3	10.5	0.2	13.0	80.13	89.43	7.4	7.8	140.0	120.0	•	19.0	45.0	130.0	1.0	0.0	ripple	ripple	partly cloudy	clear	•	•
96	5	04/18/96	BB DC SM	BB DC SM	6.5	10.0	11.0	10.8	0.2	9.4	90.06	101.50	7.5	7.8	20.0	20.0	•	120.0			7.0	13.0	WAVES	WHITECAP	CLEAR	PT CLOUDY	WORKMEN-MAINTEN	GOLFERS AND WOR
96	5	05/06/96	BB DC	BB JD DC	11.5	12.0	9.4	9.5	0.8	9.0	96.93	93.21	7.4	7.8	60.0	30.0	•		45.0	30.0	4.5	9.5	CALM	RIPPLE	SHOWERS	PT. CLOUDY	GOLF MAINTENANCE	GOLF
96	5	05/20/96	BB DC	DC SM	17.5	22.0	7.9	8.0	0.3	11.2	83.08	97.51	7.1	7.8	70.0	0.0	•	[illegible]	•	105.0	22.0	32.0	CALM	RIPPLE	PT. CLOUDY	PT. CLOUDY	GOLF	GOLF

Site 6 - Fox Pt

YEAR	SITE	DATE	SAMPLER-L	SAMPLER-H	WTEMP-L	WTEMP-H	DO-L	DO-H	SAL-L	SAL-H	SAT-L	SAT-H	pH-L	pH-H	FECAL-L	FECAL-H	LP-L	LP-H	DEPTH-L	DEPTH-H	ATEMP-L	ATEMP-H	WATER-L	WATER-H	WEATHER-L	WEATHER-H	ACTIVITIES-L	ACTIVITIES-H
					oC	oC	ppm	ppm	ppt	ppt	%	%			CFU/100ML	CFU/100ML	cm	cm	cm	cm	oc	oc						
90	6	04/06/90			4.5	5.5	11.24	10.8	17.3	21.4	97.17	98.31	·	7.9	·	·	106	205	·	·	-2.0	12.0						
90	6	04/25/90			9	9	8.6	10	20.3	26.7	83.83	100.07	7.7	7.8	·	·	105	200	·	·	9.0	11.0						
90	6	05/09/90			11	14	7.7	8.9	21.2	24.8	79.65	100.30	6.8	7.8	·	·	102	205	·	·	11.0	20.0						
90	6	05/24/90			10.5	10.5	8.8	9	20.3	24.4	89.39	93.84	7.5	7.7	·	·	125	205	·	·	5.5	12.5						
90	6	06/08/90			16.5	13.5	8	8.1	24	27.3	92.61	91.78	7.9	·	·	·	115	220	·	·	15.0	20.5						
90	6	06/21/90			15	15.5	7.8	8.2	28.5	29.3	90.69	98.03	8	8.1	·	·	95	190	·	·	15.0	16.5						
90	6	07/07/90			18	17	6.8	7.4	28	28.6	84.70	90.74	·	7.9	·	·	140	235	·	·	18.0	21.0						
90	6	07/20/90			21	16.5	7.2	7.8	27.4	32.3	94.54	96.97	7.6	7.8	·	·	·	295	·	·	22.0	32.0						
90	6	08/06/90			·	20	·	7.2		31.9	·	95.42		7.8	·	·	·	265	·	·	·							
90	6	08/20/90			20	18	6.8	7.2	28.6	31.2	88.30	91.60	7.6	8.1	·	·	·	295	·	·	15.0	19.0						
90	6	09/04/90			20	18	6.8	6.8	26.9	30.4	87.39	85.90	7.6	7.8	·	·	125	290	·	·	13.0	19.0						
90	6	09/18/90			16	15	7.4	6.8	29.8	32.3	89.65	82.07	7.6	7.7	·	·	100	300	·	·	8.0	13.0						
90	6	10/04/90			14	13.5	7.8	7.4	30.8	32.9	89.01	86.97	7.7	7.9	·	·	·	330	·	·		22.0						
90	6	10/18/90			15	14	7.6	7.2	25.9	30.4	88.04	84.10	7.7	7.7	·	·	110	300	·	·	19.0	24.5						
90	6	11/02/90			9	11	8.9	9.3	20.2	29.5	87.34	90.48	7.4	7.9	·	·	130	330	·	·	3.5	14.5						
91	6	04/13/91	BF JG BH JT	BF JG BH JT	0.0	8.5	10.3	10.9	20.5	25.4	98.95	109.37	7.6	7.4	·	·	90.0		·	·	5.0	17.0	ripple	RIPPLE	OVERCAST	OVERCAST	LOBSTERING	LOBSTETING
91	6	04/27/91	DF BF BH JG ET	DF BF BH JG ET	11.0	10.5	9.8	9.9	18.7	23.5	99.67	102.63	7.6		·	·	70.0	160.0	·	·	·		calm	CALM	CLEAR	CLEAR		
91	6	05/13/91	BH JJ	BH JJ	14.5	13.0	8.5	8.8	18.3	23.3	92.99	96.20	7.3	7.6	·	·	75.0	180.0	·	·	12.0	30.0	calm	CALM	CLEAR	CLEAR	COMMON TERN, 1 BOAT	COMMON TERN, 1 BOAT
91	6	05/28/91	BH JJ BF	BH JJ BF	17.0	16.0	7.7	7.9	25.1	28.0	92.38	94.62	7.6	7.7	·	·	115.0	190.0	·	·	27.0	37.0	ripple	RIPPLE	FOG	FOG	TERNS	TERNS
91	6	06/11/91	BH DF BF	BH DF BF	18.0	17.0	7.4	8.2	26.9	26.9	91.64	99.48	7.6	7.9	·	·	105.0	225.0	·	·	23.0	30.0	calm	CALM	CLEAR	CLEAR	NEW DOCK, BIRDS	NEW DOCK, BIRDS
91	6	06/25/91	BH JJ	BH JJ	19.0	17.0	8.3	8.5	29.3	31.5	106.23	106.16	7.6	7.8	·	·	100.0	265.0	·	·	18.0	32.0	calm	CALM	CLEAR	CLEAR	PICNICERS, MANY BOATS	PICNICERS, MANY BOATS
91	6	07/10/91	BH CC JJ	BH CC JJ	18.5	17.0	7.5	9.8	30.6	31.0	95.65	109.56	7.7	7.7	·	·	85.0	260.0	·	·	16.0	28.0	calm	CALM	CLEAR	CLEAR	LOBSTER BOAT, JELLYFISH	LOBSTER BOAT, JELLYFISH
91	6	07/25/91	BH DF BF	BH DF BF	22.0	20.0	7.2	7.8	31.8	32.9	98.90	104.03	7.8		·	·	120.0	275.0	·	·	20.0	30.0	ripple	RIPPLE	OVERCAST	OVERCAST	SANDPIPER, HERON	SANDPIPER, HERON
91	6	08/08/91	BH DF BF	BH DF BF	20.0	19.0	7.0	7.4	31.4	31.6	92.48	98.08	7.6	7.9	·	·	100.0	265.0	·	·	17.0	31.0	calm	CALM	CLEAR	CLEAR	LOBSTER BOAT	LOBSTER BOAT
91	6	08/24/91	BH DF BF	BH DF BF	20.0	20.0	6.0	8.2	15.3	19.2	72.03	76.11	7.3	7.5	·	·	105.0	140.0	·	·	17.0	22.0	ripple	RIPPLE	CLEAR	CLEAR	'6 DAYS AFTER BOB	6 DAYS AFTER BOB
91	6	09/07/91	CC RF DF	CC RF DF	18.0	17.0	7.0	6.1	24.4	30.6	85.28	75.76	7.6	7.3	·	·	100.0	240.0	·	·	14.0	24.0	ripple	RIPPLE	CLEAR	CLEAR	DEER, FISH	DEER, FISH
91	6	09/22/91	BH BF	BH BF	18.0	17.0	7.3	7.1	27.2	29.5	86.99	87.56	7.4	7.8	·	·	100.0	310.0	·	·	8.0	17.0	calm	CALM	CLEAR	CLEAR	BOATS	BOATS
91	6	10/07/91	BH BF	BH BF	14.0	13.0	6.1	7.9	20.4	28.5	88.82	88.13	7.5	7.6	·	·	110.0	205.0	·	·	7.0	13.0	ripple	RIPPLE	CLEAR	CLEAR	QUIET, FOAM	QUIET, FOAM
91	6	10/22/91	BH	BH	11.0	12.0	6.3	6.9	22.0	27.4	86.18	75.60	7.6	7.6	·	·	·		·	·	0.0	16.0	calm	CALM	CLEAR	CLEAR		
91	6	11/06/91	PG BH	BH PG	9.0	11.0	9.1	9.0	25.8	30.0	92.61	98.44	7.6	7.6	·	·	155.0	290.0	·	·	1.0	9.0	RIPPLE	RIPPLE	OVERCAST	OVERCAST	BOATING	
92	6	04/17/92	no data/snow storm	BH	·	5	·	10.7	·	28.4	·	100.92		7.6	·	·	·		·	·	2	4		RIPPLE		SLIGHT RAIN		
92	6	05/02/92	BH	BH	11	9	10.6	8.7	20	24.5	108.69	97.78	7.6	8	·	·	100	145	·	·	10	20	ripple	CALM	OVERCAST	OVERCAST		
92	6	05/15/92	BH CC	BH CC	13	12	9.1	9.3	22.9	26.7	99.23	101.71	7.7	7.9	·	·	95	200	·	·	12	20	ripple	WAVES	CLEAR	CLEAR	'4 COMMON TERNS	4 COMMON TERNS
92	6	06/01/92	CC AR	AR Newington students	14	12	8.2	8.9	27.2	29.1	93.83	98.87	7.8	7.7	·	·	77	205	·	·	9	10	ripple	WAVES	DOWNPOUR	SHOWERS	COLIFORM SAMPLE	
92	6	06/15/92	AR PO	AR PO	19.5	17	7	7.65	23.3	26.7	87.19	92.70	7.7	7.7	·	·	125	185	·	·	20	23	ripple	RIPPLE	PT CLOUDY	PT CLOUDY	LOBSTERING	FISHING BOATS
92	6	06/29/92	BH PO	LA MA BH	18.5	15.5	8.5	8.5	28.1	29.9	106.95	102.01	7.8	7.7	2.0	6.0	·	·	·	·	15	28	calm	RIPPLE	CLEAR	CLEAR	TERNS	TERNS, CORMORANTS
92	6	07/14/92	BH CS	BH PO	19.5	16	8.7	8.6	31.2	29.8	113.73	102.97	7.9	8	3.0	2.0	·	·	·	·	18	22	ripple	RIPPLE	OVERCAST	RAIN	TERNS	TERNS
92	6	07/28/92	PO CS	PO CS	20	16.5	6.9	8.3	28.9	29.3	89.76	101.22	7.8	7.4	18.0	5.0	·	·	·	·	15	25	ripple	RIPPLE	CLEAR	PT CLOUDY	FISHING BOATS	FISHING BOATS
92	6	08/12/92	PO BH	PO BH	19	16	7.7	8.6	30.2	30.8	99.10	104.86	7.6	7.6	0.0	2.0	·	·	·	·	19	22	ripple	WHITECAP	CLEAR	CLEAR	TERNS, FISHING	WINDY, BOATING
92	6	08/27/92	PO CS	PO DW	20	18	6.85	7.7	28.5	30.0	86.89	97.60	7.7	7.6	6.0	6.0	·	·	·	·	20	24	calm		THICK FOG			
92	6	09/10/92	BH PO	BH PO	16	16	7.8	7.65	30.4	31	92.43	93.39	7.8	7.7	ntvd	6.0	·	·	·	·	20	27	ripple	CALM	PT CLOUDY	PT. CLOUDY	HERON	FISHING
92	6	09/26/92	BH PO	BH PO	14	13	8.1	8.1	30.2	32.7	94.49	94.10	7.8	7.8	6.0	2.0	·	·	·	·	10	15	RIPPLE	RIPPLE	OVERCAST	OVERCAST	1 HERON, 3 DUCKS	LOBSTERING
92	6	10/11/92	BH	BH	13	12	9	8.1	30.4	31.8	102.90	91.61	7.4	7.7	28.0	11.0	·	·	·	·	12	17	calm	CALM	FOG	OVERCAST	MISTING	FISH JUMP
92	6	10/25/92	PO BH	BH	14	9	9.1	7.8	30.2	31.4	94.49	82.43	7.6	7.7	·	30.0	·	·	·	·	10	8	ripple	RIPPLE	OVERCAST	RAIN	HERON, DUCKS	
92	6	11/09/92	JJ JJ	JJ JJ	6	6	11.6	9.1	25.6	16.2	107.31	81.08	6.5	6.7	20.0	0.0	·	·	·	·	-2.0	4.0	calm	CALM	CLEAR	CLEAR	DUCKS	LOBSTERING
93	6	04/21/93	JP BP CC BT	JP BP CC	9.5	8.5	10.95	10.9	9.7	16.3	101.89	103.15	7.5	7.7	10.0	20.0	80	142.5	110	300	13	20	calm	WAVES	OVERCAST	PT. CLOUDY	BOATING	BOATING
93	6	05/05/93	JP BP	JP BP BH	13	10.5	8.8	9.2	18.1	24.6	93.15	95.99	7.6	7.7	30.0	0.0	85	200	65	310	18	25	calm	RIPPLE	OVERCAST	CLEAR	DEBRIS	DOCK IN
93	6	05/20/93	JP BH	JP BH	13	11	8.2	9.3	23.2	26.7	89.58	99.03	7.6	7.6	·	0.0	125	205	125	275	11	14	calm	RIPPLE	OVERCAST	OVERCAST	LOBSTERING, TERNS	BOATS, TERNS
93	6	06/03/93	JP BP BH	JP BP BH	12.5	11	8.4	9.1	25.8	29.4	92.30	99.14	7.6	7.7	0.0	0.0	100	207	100	310	10	24	calm	WAVES	CLEAR	CLEAR	TERN, KINGFISHER	TERNS, FISHING
93	6	06/23/93	BH	NB CC ND BH	17	13	7.4	5.5	27.7	29.8	90.23	62.69	7.6	7.9	100.0	10.0	90	200	80	265	18	21	whitecaps	WHITECAP	CLEAR	CLEAR		
93	6	07/06/93	JP BP	JP BP	19	16	7.8	8.5	28.5	30.9	99.33	103.70	7.6	7.3	0.0	0.0	110	275	110	275	28	29	calm	CALM	HAZY	HASY	FISHING	FISHING
93	6	07/22/93	BH JP BP	BH JP BP	18	14	7.1	8.4	29.7	31.4	89.38	98.77	7.8	7.7	0.0	20.0	110	303	110	320	22	22	ripple	RIPPLE	CLEAR	OVERCAST	TERNS, DUCK	TERNS, FISHING
93	6	08/03/93	JP BP	JP BP	18.5	16	7.8	7.9	30.6	31	101.82	100.27	7.7	7.2	·	·	90	260	90	260	23.5	31	calm		HAZE	PT. CLOUDY	NEW DOCK	FISHING
93	6	08/19/93	BH JP BP	BH JP BP	21	17.5	7	8	31.1	30.9	94.02	100.49	7.5	7.8	10.0	0.0	115	177.5	115	265	18	23	calm	CALM	HAZE	CLEAR	METER SKIPS	DUCKS
93	6	09/02/93	BP JP BH	BH JP	19.5	16.5	6.8	8	31.6	30.9	88.49	99.56	7.6	7.6	10.0	0.0	145	355	145	355	19	26	calm		CLEAR			METER DEAD
93	6	09/20/93	JB BP	JB BP	14.5	12	7.3	8	31.4	32.4	86.70	90.84	7.6	7.8	4.0	2.0	130	335	130	350	13	14	white caps	RIPPLE	PT CLOUDY	PT. CLOUDY	STRONG WIND	BOATING, BAIT FISH ON DOCK
93	6	10/04/93	JB BP BH	JB BP	14	12	8.2	7.8	30.1	32.2	95.60	88.45	7.1	7.3	7.0	13.0	145	340	145	340	19	20	RIPPLE	WHITECAP	CLEAR	PT. CLOUDY	COASTAL CLEANUP	BOATING
93	6	10/18/93	JB BP BH	JB BP	10	9.5	8.2	8.4	29.2	30.5	87.29	89.20	7.1	·	4.0	2.0	125	315	125	376	16	15	RIPPLE	WHITECAP	CLEAR	CLEAR	WINDY	LOBSTERING
93	6	11/09/93	JP	JP	7	7	9.6	9	27.3	28.8	94.24	89.28	7.6	7.7	4.0	3.0	115	295	115	295	10	5	CALM	CALM	pt cloudy	CLEAR	BOATING/DUCKS	LOBSTERING
94	6	04/26/94	BH BT	BH BT	0.0	6.0	10.4	10.5	22.1	27.2	100.95	100.60	7.9	8.0	11.0	27.0	95.0	147.0	95.0	230.0	6.0	7.0	RIPPLE	RIPPLE	OVERCAST	CLEAR	NONE	ECLIPSE
94	6	05/10/94	BH BT	BH BT	12.0	11.0	9.1	9.6	17.6	21.6	93.92	98.39	7.9	7.8	24.0	12.0	135.0	255.0	135.0	310.0	13.0	17.0	RIPPLE	RIPPLE	SHOWERS	OVERCAST	BIRDS	BOAT
94	6	05/25/94	BH BT	BH BT	13.5	11.0	8.6	9.4	20.4	26.5	93.31	100.47	7.7	7.9	8.0	6.0	120.0	240.0	120.0	355.0	11.0	15.0	RIPPLE	RIPPLE	RAIN	SHOWERS	LOON	DUCKS
94	6	06/09/94	BT JJ	BT JJ	15.0	14.0	7.6	8.3	23.5	27.4	88.51	95.09	7.8	7.9	3.0	60.0	138.0	250.0	135.0	320.0	11.0		RIPPLE	WAVES	CLEAR	CLEAR	OYSTERING	FISHING/BOATS
94	6	06/23/94	BH BT	BH BT	19.0	·	6.5	7.7	28.2	30.0	108.05	·	7.9	7.8	10.0	4.0	105.0	285.0	105.0	335.0	20.0	25.0	RIPPLE	RIPPLE	CLEAR	CLEAR	BIRDS	BIRDS
94	6	07/11/94	BH JJ	JJ JJ BM	22.0	19.0	·	7.8	33.4	31.2	·	99.12	7.0	7.0	2.0	6.0	120.0	320.0	120.0	320.0	23.0	27.0	RIPPLES	CALM	CLEAR	CLEAR	NONE	BOATING
94	6	07/25/94	BH BT	BH BT	22.0	16.0	6.6	7.6	30.4	30.3	88.52	92.37	7.8	7.9	1.0	4.0	118.0	295.0	115.0	335.0	29.0	29.0	CALM	RIPPLE	PT CLOUDY	FOG		FISHING
94	6	08/09/94	BH BT	BH BT	20.0	18.0	7.4	7.8	30.2	30.6	97.04	98.76	·	7.9	2.0	2.0	116.0	285.0	115.0	335.0	20.0	27.0	CALM	RIPPLE	CLEAR	CLEAR	FISHING	BOATING
94	6	08/22/94	JJ	BH	18.0	15.0	7.5	6.8	29.5	31.1	94.29	69.45	7.6	7.8	4.0	3.0	145.0	215.0	145.0	340.0	19.0	22.0	CALM	RIPPLE	OVERCAST	SHOWERS	BOATS	NONE
94	6	09/07/94	BT BH	BT BH	15.0	15.5	7.8	7.4	30.0	31.3	92.74	89.61	7.9	7.8	1.0	3.0	120.0	275.0	120.0	355.0	19.0	24.0	CALM	RIPPLE	CLEAR	CLEAR	LOBSTERING/DUCKS	SAILBOAT/DOGS
94	6	09/21/94	BH BT	BH BT	16.5	16.0	8.4	7.6	30.3	31.1	103.09	91.01	8.1	7.9	0.0	1.0	110.0	225.0	110.0	225.0	18.0	21.0	CALM	RIPPLE	CLEAR	CLEAR	BROWN CHUNKS IN WATER	DUCK AND DUCKLINGS/OTHER BIRDS
94	6	10/06/94	BH BT	BH BP	12.0	12.0	8.8	7.0	26.4	29.1	96.05	77.76	9.5	7.8	0.0	0.0	125.0	270.0	125.0	355.0	6.0	13.0	CALM	WAVES	CLEAR	CLEAR	NONE	LOBSTERING
94	6	10/20/94	BH	AR SL	12.0	12.0	9.8	8.4	29.1	30.6	108.87	94.24	7.9	6.1	1.0	1.0	160.0	295.0	160.0	355.0	14.0	15.0	CALM	CALM	OVERCAST	OVERCAST	NONE	BOATING
94	6	11/07/94	BH	DW BP	10.0	10.0	7.7	8.4	28.7	30.0	81.69	89.90	7.6	7.6	7.0	4.0	85.0	210.0	105.0	330.0	0.0	8.0	WHITECAP	WHITECAP	CLEAR	CLEAR	GOOSE/DUCKS	WINDY 40MPH+!!!
95	6	04/18/95	BT BH	BT	7.5	6.0	10.7	10.7	22.2	27.7	102.71	102.84	7.8	7.4	1.0	5.0	BSV	BSV	105.0	330.0	12.0	11.0	CALM	WAVES	CLEAR	PT CLOUDY	NONE	NONE
95	6	05/01/95	BH BT	BH BT	9.0	8.0	10.2	10.7	24.8	28.6	103.09	108.42	7.9	8.0	2.0	1.0	BSV	BSV	115.0	315.0	10.0	9.0	CALM	RIPPLE	OVERCASTE	OVERCASTE	NONE	TWO DUCKS
95	6	05/15/95	BT AR AB	BT AB	11.0	8.5	8.7	9.8	25.8	29.9	92.87	101.35	7.7	7.8	0.0	6.0	BSV	245.0	120.0	250.0	10.0	8.0	CALM	CALM	SHOWERS	SHOWERS	3DOCKED BOATS,STYROPH	6 GULLS,13 CORMORANTS
95	6	05/30/95	BT JJ	BH JJ	15.0	13.0	8.0	8.9	24.6	27.6	91.92	99.89	7.6	7.1	2.0	2.0	·	100.0	130.0	305.0	19.0	24.0	RIPPLE	WAVES	PT CLOUDY	OVERCASTE	BOATS/BIRDS	NONE
95	6	06/13/95	BH BT	BH BT DG	16.0	13.0	7.3	8.6	27.4	29.4	87.10	97.76	7.5	7.6	2.0	6.0	BSV	225.0	130.0	330.0	18.0	17.0	CALM	RIPPLE	OVERCAST	OVERCAST	NESTING TERNS	2FISHERPERSONS, 1BOAT TERNS
95	6	06/27/95	BT BH	BT BH	20.0	16.0	8.0	8.6	28.2	29.4	103.63	103.92	7.8	7.9	2.0	5.0	BSV	295.0	130.0	310.0	18.0	19.0	RIPPLE	RIPPLE	CLEAR	CLEAR	NONE	NONE
95	6	07/12/95	BH BT	BH JJ	19.0	14.0	7.0	8.8	29.2	30.5	87.84	102.66	7.8	7.9	5.0	3.0	BSV	310.0	100.0	360.0	17.0	23.0	RIPPLE	RIPPLE	CLEAR	PT CLOUDY	NONE	FISH/BOAT
95	6	07/27/95	BT DB	BT DG	22.0	20.0	6.4	7.5	30.2	32.4	87.05	98.71	7.4	7.7	4.0	5.0	BSV	290.0	125.0	318.0	23.0	30.0	CALM	CALM	HAZE	CLEAR	BOATS/BIRDS	BOATS/BIRDS
95	6	08/10/95	BT BH	BT BH	21.5	18.5	7.1	7.8	29.0	29.6	95.00	96.62	7.6	7.9	ne	4.0	BSV	252.5	110.0	335.0	17.0	28.0	CALM	RIPPLE	CLEAR	CLEAR	BOATING	BOATING LOBSTERING
95	6	08/28/95	BT DG	BT BH	18.0	16.0	7.0	7.8	29.9	30.0	88.23	94.61	7.6	7.8	NV	NV	BSV	295.0	120.0	335.0	18.0	21.0	CALM	RIPPLE	PT CLOUDY	PT CLOUDY	LOBSTERING	FISHING
95	6	09/11/95	BT BH	BT BH	16.0	14.0	7.2	7.6	31.3	31.6	80.07	89.48	7.7	7.8	1.0	1.0	BSV	BSV	110.0	340.0	15.0	18.0	CALM	RIPPLE	CLEAR	CLEAR	NONE	FISHING
95	6	09/26/95	BT BH	BT BH	14.0	13.5	8.0	7.8	30.8	31.4	93.69	90.77	7.7	7.5	2.0	3.0	BSV	BSV	130.0	355.0	14.0	14.0	RIPPLE	RIPPLE	DRIZZLE	DRIZZLE	NONE	BIRDS
95	6	10/10/95	BH BT	BT BH	13.0	14.0	7.5	7.8	31.4	30.8	86.38	91.35	7.6	7.8	0.0	0.0	BSV	350.0	130.0	350.0	9.0	17.0	CALM	CALM	CLEAR	CLEAR	NONE	BOATS
95	6	10/26/95	BT DG	BT BH DG	12.0	12.0	8.0	7.0	26.4	29.1	97.32	77.76	7.8	7.8	6.0	2.0	BSV	273.0	125.0	355.0	3.0	13.0	RIPPLE	CALM/MUR	OVERCAST	CLEAR	BIRDS	LOBSTER BOAT
95	6	11/09/95	BT DG	BT DG	7.0	8.0	9.2	9.0	19.3	24.8	85.66	80.81	7.3	7.6	16.0	18.0	150.0	185.0	150.0	355.0	4.0	1.0	RIPPLE	RIP,WAVES	CLEAR	CLEAR	BIRDS,BOATS	BOATS
96	6	04/18/96	BT RB EB	BT	9.0	7.0	11.3	11.4	10.5	0.2	102.00	94.61	·	7.6	29.0	60.0	82.5	95.0	115.0	350.0	10.0	12.0	WAVES	RIPPLE	CLEAR	PT CLOUDY	BACKHOE RESTORING THE	NONE
96	6	05/06/96	BT BH	BT BH	10.0	9.0	9.7	9.9	17.3	22.3	95.63	98.47	7.7		0.0	6.0	115.0	210.0	115.0	315.0	9.0	9.0	RIPPLE	CALM	SHOWERS		NONE	
96	6	05/20/96	BT BH	BT BH	13.0	11.0	8.5	9.6	16.0	21.7	88.84	99.49	7.6	7.8	3.0		82.0	202.5	150.0	340.0	18.0	30.0	CALM	RIPPLE	FOG/HAZE	CLEAR	NONE	NONE
96	6	06/03/96	BH BT	BH BT	16.0	12.0	8.0	9.1	21.8	26.5	92.20	98.76	7.7	8.0	1.0	3.0	BSV	105.0	100.0	330.0	18.0	12.0	CALM	RIPPLE	CLEAR	OVERCAST	NONE	NONE

Site 7 - Cedar Pt

YEAR	SITE	DATE	SAMPLER-L	SAMPLER-H	WTEMP-L	WTEMP-H	DO-L	DO-H	SAL-L	SAL-H	SAT-L	SAT-H	pH-L	pH-H	FECAL-L	FECAL-H	LP-L	LP-H	DEPTH-L	DEPTH-H	ATEMP-L	ATEMP-H	WATER-L	WATER-H	WEATHER-L	WEATHER-H	ACTIVITIES-L	ACTIVITIES-H
					oC	oC	ppm	ppm	ppt	ppt	%	%			CFU/100ML	CFU/100ML	cm	cm	cm	cm	0c	0c						
90	7	05/24/90			10	12	8.8	8.8	16.5	20.1	88.33	90.20	7.5	7.7	*	*	*	370	*	*	9.5	15.0						
90	7	06/07/90			17	17	7.5	8.5	23.9	*	89.32	*	7.8	8.1	*	*	175	*	*	*	15.0	18.0						
90	7	06/21/90			19	16	8.2	8.8	26.7	28.2	103.28	91.55	7.9	7.8	*	*	205	400	*	*	16.0	16.5						
90	7	07/07/90			19	19	6.8	6.9	28.1	28.2	88.39	87.71	7.7	7.8	*	*	130	195	*	*	18.0	23.5						
90	7	07/21/90			20	18	7.5	6.6	*	31.4	*	83.98	7.6	7.9	*	*	140	235	*	*	23.0	28.0						
90	7	08/06/90			22.5	20.5	6.3	6.9	30.4	31.6	86.56	92.06	7.8	7.9	*	*	135	245	*	*	22.5	23.0						
90	7	08/20/90			19	19	7.1	6	30.5	29.8	91.55	77.03	7.9	7.9	*	*	*	240	*	*	13.0	23.0						
90	7	09/04/90			19	20	6.25	7.12	25.6	27.8	79.19	92.00	7.9	7.9	*	*	*	215	*	*	13.0	20.0						
90	7	09/18/90			15	15	7.6	5.7	31.1	30.4	81.01	67.95	7.7	7.8	*	*	175	270	*	*	8.0	14.0						
90	7	10/04/90			14	14.5	*	6.3	30.4	31.2	*	62.87	7.7	7.7	*	*	120	250	*	*	9.0	17.5						
90	7	10/18/90			13	14.5	6.6	6.6	23.5	26.7	72.24	76.05	7.5	7.6	*	*	160	195	*	*	3.5	18.0						
90	7	11/02/90			8	10.5	9.2	7.8	18.2	25.1	87.10	81.70	7.7	7.9	*	*	*	290	*	*	11.0	15.0						
91	7	04/14/91	MG MR IL DL	MG MR IL DL	7.5	9.0	10.9	10.8	22.6	26.0	104.91	107.31	7.9	7.9	*	*	*	260.0	*	*	2.0	14.0	ripple	ripple	clear	clear		
91	7	04/28/91	MG MR IL	MG MR IL	12.0	11.0	9.1	9.3	18.8	22.0	94.68	98.05	7.6	7.7	*	*	100.0	135.0	*	*	5.0	18.0	waves	waves	pt cloud	pt cloud	windsurfers	windsurfers
91	7	05/14/91	IL MR	IL MR	14.0	13.5	7.9	8.3	19.1	23.3	85.40	91.69	7.7	7.7	*	*	95.0	165.0	*	*	13.0	27.0	calm	calm	clear	clear	duck 12 duckling etc	duck 12 duckling etc
91	7	05/28/91	DL MR ML IL	DL MR ML IL	16.5	16.5	9.3	8.5	25.0	28.6	99.01	103.20	7.1	*	*	*	*	260.0	*	*	15.0	31.0	ripple	ripple	haze	haze	river rat cormorant	river rat cormorant
91	7	06/11/91	IL MR MG	IL MR MG	19.0	19.0	7.3	8.2	27.7	29.4	92.51	77.65	7.7	7.7	*	*	165.0	250.0	*	*	19.5	29.0	ripple	ripple	pt cloud	pt cloud	shore debris	shore debris
91	7	06/25/91	DL IL MR ML	DL IL MR ML	18.5	17.5	7.0	7.3	29.3	31.2	88.74	91.88	7.8	7.2	*	*	210.0	325.0	*	*	15.0	22.0	calm	calm	clear	clear	lobstering	lobstering
91	7	07/11/91	MR MG IL ML	MR MG IL ML	18.0	17.0	6.8	7.4	28.6	31.2	85.01	92.25	7.7	7.5	*	*	175.0	290.0	*	*	18.0	29.5	calm	calm	clear	clear	ducks,geese	ducks,geese
91	7	07/26/91	MR MG IL ML	MR MG IL ML	21.5	20.0	7.0	7.6	31.5	33.3	95.11	101.62	7.6	7.6	*	*	165.0	285.0	*	*	22.0	24.0	calm	calm	shw,haze	shw,haze	geese, ducks	geese, ducks
91	7	08/09/91	MR MG IL ML	MR MG IL ML	19.5	18.0	7.0	7.3	31.8	31.2	91.85	94.55	7.4	7.5	*	*	175.0	255.0	*	*	18.0	23.0	ripple	ripple	ovrcst	ovrcst	ducks,geese	ducks,geese
91	7	08/25/91	MR MG DL	MR MG DL	20.0	21.0	5.8	6.4	16.6	19.6	70.15	80.25	6.8	7.3	*	*	120.0	145.0	*	*	20.0	21.0	waves brown	waves brown	clear	clear	ducks,geese	ducks,geese
91	7	09/10/91	MG JG	MG JG	18.0	18.0	7.0	7.2	26.7	28.5	86.49	89.98	7.0	6.9	*	*	180.0	270.0	*	*	14.0	30.0	calm	calm	clear	clear	ducks,geese	ducks,geese
91	7	09/22/91	MR RR DL	MR RR DL	14.0	17.0	7.0	7.0	27.4	23.4	80.20	83.12	7.0	7.1	*	*	255.0	340.0	*	*	2.0	22.0	calm	calm	clear	clear	ducks	ducks
91	7	10/07/91	MR IL DL	MR IL DL	13.0	13.0	7.2	7.4	21.3	25.6	77.73	82.08	7.1	7.2	*	*	140.0	200.0	*	*	4.5	19.0	waves	waves	ptl cloud	ptl cloud	SSHeritage,foam	SSHeritage,foam
91	7	10/23/91	IL MR	IL MR	10.0	12.0	8.5	8.5	22.4	26.0	86.03	91.99	7.1	7.3	*	*	225.0	335.0	*	*	3.0	13.0	waves	waves	clear	clear	moon in AM	moon in AM
91	7	11/06/91	IL MR	IL MR	8.0	10.0	8.5	8.3	25.8	28.8	84.55	89.11	7.2	7.3	*	*	200.0	265.0	*	*	-2.0	11.0	CALM	RIPPLE	OVERCAST	OVERCAST	GEESE	GULLS
92	7	04/16/92	IL MR	MR MG	6.5	7	10.9	10.8	22.5	25.3	102.39	104.60	8	7.6	*	*	*	250	*	*	12	11		ripple	clear	overcast	UNH sculls	ducks
92	7	05/02/92	MR MG	IL MG	11	9.5	11.6	10.5	20.6	23.85	119.39	108.69	7.9	8	*	*	90	155	*	*	12	19.5	calm	calm	overcast	overcast	ducks	duck, boating
92	7	05/15/92	MR IL	MR MG	12	12.5	8.6	8.9	23.4	24.5	92.08	96.99	7.9	7.9	*	*	100	175	*	*	13	22	ripple	ripple	pt cloudy	clear	mallards	lobstering
92	7	05/31/92	DL IL	MR MG	14.5	13	8	8.8	27.8	29	92.83	97.60	7.8	7.9	*	*	150	210	*	*	16	18	ripple	waves	overcast	overcast	lobstering	mallards
92	7	06/14/92	IL MG	IL MG	18.5	18	7.15	7.75	23.1	24.5	87.26	94.47	7.8	7.8	*	*	135	170	*	*	19.5	34	calm	calm	clear	clear	geese ducks	fishing boats
92	7	06/30/92	MR MG	MR MG	18	16	7.7	9.1	29.8	30.7	98.39	110.98	7.8	7.7	*	*	160	220	*	*	20	37	ripple	ripple	haze	haze	ducks	2ducks
92	7	07/13/92	MR MG	MR RR	18	18	8.6	9	29.5	30.2	108.12	113.65	8	7.7	8.0	1.0	160	230	*	*	20	32	calm	ripple	overcast	clear	boating	boating ducks
92	7	07/28/92	MR MG	IL MR	19	17	7.1	7.3	29.3	30.2	90.87	90.42	7.7	7.7	5.0	8.0	190	275	*	*	14	32	calm	calm	clear	overcast	geese ducks	geese ducks
92	7	08/13/92	IL NR	IL NR	17.5	17	7.1	7.7	29.9	30.6	98.63	95.62	7.9	7.8	6.0	0.0	202	323	*	*	17.5	25	ripple	waves	overcast	overcast	lobstering	boating
92	7	08/27/92	IL MG	MR DL	21	18	7.4	8	28.9	30.2	98.06	101.02	7.8	7.7	6.0	6.0	208	292.5	*	*	21	29	calm	calm	dense fog	clear	fishing	boating
92	7	09/10/92	IL MR	IL MG	17	17	7.6	7.5	29.8	31.2	93.90	93.49	7.6	7.7	ntvd	13.0	220	295	*	*	20	29.5		ripple	overcast	ptcloud	geese	mallards
92	7	09/25/92	IL MG	IL MR	14	13	7.9	8.3	30.6	31.1	92.40	95.41	7.7	7.5	3.0	4.0	105	365	*	*	3	12	calm	ripple	clear	ptcloud	frost	fishing
92	7	10/10/92	MG MR	IL DL	13	13	8.2	8	30.2	31.5	93.70	92.20	7.8	7.8	44.0	8.0	295	445	*	*	13	20	calm	ripple	overcast	overcast	ducks,geese	lobstering
92	7	10/25/92	IL MR	IL MG	10	9	8.25	7.9	28.8	30.5	87.58	92.97	7.7	7.8	10.0	70.0	160	345	*	*	6	13	calm	ripple	showers	showers	dark,geese	lobstering
92	7	11/09/92		IL DL	*	7.5	*	8.8	*	29	*	88.41	*	7.8	*	10.0	*	500	*	*	*	9.5		calm		clear		mallards
93	7	04/21/93	IL MR	IL AR	9	8.5	10.7	10.9	9.7	13.9	98.42	104.03	7.2	7.4	*	100	30	155	30	210	19	23	ripple	whitecaps	overcast	ptcloud	planes	quiet
93	7	05/06/93	EL MR	EL DL	13.5	11	7.95	9.15	17	23.6	84.49	95.99	7.2	7.4	0	10	75	232.5	75	295	18	26.5	ripple	ripple	overcast	clear	gulls	mallards boating
93	7	05/20/93	EL MR MB	MR EL MB	13.5	13.5	8	8.4	23.6	28.2	88.54	94.61	7.6	7.4	0	100	117	200	520	630	12	20	calm	waves	overcast	overcast	mallards	debris
93	7	06/03/93	EL MR	MR MB	12.5	13.5	8.2	9.4	27.2	30.1	90.92	108.45	7.6	7.6	0	0	105	115	455	*	9.5	29	ripple	ripple	ptcloud	clear	geese	fishing
93	7	06/23/93	MR EL MB	EL MR	17.5	16	7.3	8.15	28.2	29.5	90.15	98.55	7.5	7.5	10	0	115	285	565	630	20.5	26.5	ripple	ripple	clear	clear	gulls geese	boating
93	7	07/08/93	MR MB AB	EL MB	19.5	18	7.6	8.05	30.3	30.3	97.49	101.72	7.3	7.1	0	200	72.5	330	435	630	26	35	calm	ripple	clear	clear	ducks	
93	7	07/22/93	AB MB	IL AB	18.5	16.5	6.8	8.7	29.9	30.9	96.52	107.19	7.6	7.8	2500	10	135	260	540	650	22	24	ripple	ripple	clear	overcast	rain day before	windy
93	7	08/03/93	IL MB	IL MB AB	19.5	19.5	7.2	7.65	30.1	30.7	93.48	98.39	7.9	6.5	*	*	212.5	407	475	630	24.5	32	calm	ripple	haze	clear	ducks,geese	geese,mallards
93	7	08/19/93	MB BB MR	MR	20	19	6.8	7	30.6	30.5	90.71	90.26	7.6	7.8	10	40	180	350	495	630	21	29		calm	fog,cloudy	clear	mallards,geese	fish
93	7	09/02/93	AB BB	EL MR	21	18	6.8	7.25	33.1	31.5	92.48	92.31	7.4	7.3	0	30	227	435	465	640	23	22	calm	waves	clear	pt cloudy	birds,	meter,line trouble
93	7	09/20/93	IL MR	IL DL	16	12	7.4	*	31.4	31.1	89.79	*	7.2	7.1	30	90	290	462	525	640	11	18	ripple	ripple	pt cloudy	pt cloudy	50 different birds	cormorants
93	7	10/04/93	DL BB	IL AB	14	14	7.25	7.4	31.4	31.6	95.24	87.12	7.5	7.7	*	0	220	440	395	640	15	22	white caps	white capsl	pt cloudy	few clouds	DO heated up	sailing, geese
93	7	10/18/93	AB MB BB	AB MB	10.5	11	8.7	8.7	29.2	30.7	93.62	95.61	7	6.7	0	0	327.5	420	640	640	14	20	ripple	waves	pt cloudy	clear	fishing	flock of ducks
93	7	11/09/93	BB AB MR	BB AB	7	6.5	9.6	8.6	26.2	29.8	93.54	94.89	5.6	6.3	0	0	362.5	670	470	640	11	0	ripple	calm	overcast	clear	none	none
94	7	04/26/94	MR AB BB	MR BB AB	7.0	8.0	9.1	9.9	20.6	25.7	95.44	93.42	8.3	7.8	77.0	25.0	22.0	195.0	22.0	245.0	4.0	4.0	RIPPLE		SHOWERS	OVERCAST	NONE	
94	7	05/10/94	IL BB	IL BB	12.0	12.0	9.1	9.1	17.5	17.5	93.92	93.92	7.8	7.8	19.0	8.0	80.0	218.5	80.0	275.0	13.0	17.0	RIPPLE	RIPPLE	OVERCAST	PT CLOUDY	BIRDS	ECLIPSE
94	7	05/25/94	BB AB	IL AB BB	13.0	12.0	7.9	*	20.3	25.6	94.76	*	6.9	7.8	*	7.0	*	232.5	*	310.0	11.0	16.0	RIPPLE	CALM	OVERCAST	SHOWERS	NONE	DUCKS
94	7	06/09/94	EL BB	IL BB	18.0	16.0	7.9	7.9	23.5	26.1	92.00	92.31	7.8	7.8	3.0	TNTC	90.0	175.0	90.0	175.0	16.0	30.0	RIPPLE	WAVES	CLEAR	CLEAR	LOBSTERING	LOBSTERBOAT
94	7	06/23/94	IL AB BB	IL AB BB	18.0	16.0	7.1	7.9	27.9	29.0	88.38	94.62	7.6	7.8	730.0	180.0	70.0	290.0	70.0	290.0	20.0	30.0	CALM	RIPPLE	CLEAR	PT CLOUDY	NEW RAMPI	BOATS
94	7	07/11/94	AB BB	AB	20.5	19.0	7.2	7.3	30.0	30.2	95.17	93.31	7.7	7.8	4.0	5.0	88.0	185.0	88.0	185.0	20.0	32.0	RIPPLE	CALM	CLEAR	CLEAR	DUCKS	BOATING
94	7	07/25/94	BB AB	AB IL	21.0	20.0	9.4	7.0	30.2	31.5	125.58	92.54	7.3	7.9	4.0	4.0	90.0	250.0	90.0	300.0	24.0	32.0	CALM	RIPPLE	OVERCAST	PT CLOUDY	DUCKS	BIRDS
94	7	08/09/94	IL BB	IL AB	19.5	19.5	7.6	7.9	29.6	32.5	98.36	102.18	7.9	7.9	0.0	1.0	85.0	277.0	85.0	310.0	21.0	30.0	CALM	WAVES	CLEAR	CLEAR	BIRDS	BOATING
94	7	08/22/94	IL AB	AB BB	18.0	16.0	6.8	6.9	30.8	33.9	88.09	95.84	7.7	7.6	5.0	TNTC	95.0	300.0	95.0	380.0	19.0	22.0		RIPPLE		SHOWERS	BOATING	BIRDS
94	7	09/07/94	AB BB	AB	15.0	16.0	7.5	7.3	29.8	31.9	89.06	89.64	7.4	7.2	4.0	5.0	91.0	287.0	91.0	340.0	13.0	27.0	RIPPLE	RIPPLE	PT CLOUDY	PT CLOUDY	BOATING	WINDY
94	7	09/21/94	AB BB	AB	16.0	16.0	8.7	7.9	30.0	31.6	105.53	96.82	7.4	7.2	0.0	*	85.0	300.0	85.0	300.0	17.0	28.0	CALM	RIPPLE	CLEAR	CLEAR	LOTS OF DUCKS	DEPTH MEASURED ON SID
94	7	10/06/94	EL RB	EL RB	12.0	12.5	8.7	7.4	26.5	29.4	94.48	93.23	7.9	8.0	*	3.0	81.0	295.0	81.0	335.0	5.0	17.0	RIPPLE	RIPPLE	PT CLOUDY	PT CLOUDY	QUIET	NONE
94	7	10/20/94	EL AB	EL AB	12.0	12.0	8.8	8.5	31.7	30.8	98.89	95.49	8.0	7.4	5.0	1.0	115.0	302.5	115.0	340.0	14.0	15.5	RIPPLE	RIPPLE	OVERCAST	OVERCAST	LOBSTERBOATS	BIRDS
94	7	11/07/94	EL BB	EL AB	11.0	11.0	8.2	9.1	28.1	31.5	98.57	99.49	7.9	7.8	81.0	11.0	78.0	280.0	78.0	300.0	5.0	12.0	WHITECAPS	WHITECAPS	PT CLOUDY	PT CLOUDY	LOBSTERING	BIRDS
95	7	04/18/95	RDB NHW SE	TAB DJ CG	7.0	7.0	10.6	10.6	22.8	26.5	100.94	103.48	7.9	7.9	0.0	0.0	*	300.0	75.0	300.0	13.0	14.0	RIPPLE	WAVES	CLEAR	CLEAR	BIRDS	NONE
95	7	05/01/95	AB LC JL	BB AB EB BC	8.5	8.5	8.9	10.1	24.1	27.3	98.54	102.63	7.3	7.1	0.0	NV	*	*	65.0	260.0	8.0	11.0	RIPPLE	RIPPLE	OVERCAST	PT CLOUDY	BIRDS	NONE
95	7	05/15/95	EL RJ ST	EL ET	10.0	9.0	8.4	9.3	25.7	28.6	87.37	88.00	*	7.9	16.0	4.0	60.0	207.5	60.0	285.0	12.0	9.5	CALM	WAVES	SHOWERS	SHOWERS	GEESE	NONE
95	7	05/30/95	EL CG CJ	EL ET	14.5	14.5	8.7	8.0	25.4	28.0	99.43	92.95	7.7	7.9	NV	88.0	70.0	250.0	70.0	250.0	21.0	25.5	RIPPLE	RIPPLE	PT CLOUDY	PT CLOUDY	LOBSTERING	NONE
95	7	06/13/95	BB AB	BB AB	15.5	14.5	7.1	8.0	28.6	29.2	93.44	93.67	7.5	7.7	4.0	17.0	100.0	220.0	100.0	315.0	17.0	18.0	RIPPLE	RIPPLE	OVERCAST	SHOWERS	LOTS OF DUCKS	FISHING
95	7	06/27/95	AB BB	AB BB	16.5	17.5	9.5	8.2	28.8	29.2	107.42	101.91	7.6	7.9	2.0	10.0	115.0	295.0	115	295.0	17.0	23.0	RIPPLE	RIPPLE	CLEAR	CLEAR	DUCKS	FISHING
95	7	07/12/95	AB BB	AB BB	16.5	15.0	8.0	8.7	29.5	29.8	97.68	103.31	7.3	7.9	6.0	17.0	*	237.5	100.0	320.0	16.0	27.0	RIPPLE	RIPPLE	PT CLOUDY	PT CLOUDY	BIRDS	BOATS/BIRDS
95	7	07/27/95	BB CB	AB BB	21.0	20.0	7.3	7.1	29.6	29.1	97.15	92.48	7.8	7.9	TNTC	29.0	*	287.5	112.0	295.0	23.0	34.0	RIPPLE	RIPPLE	PT CLOUDY	PT CLOUDY	FISHING	FISH/BOAT
95	7	08/10/95	AB BB	AB BB EB	20.0	19.5	6.9	7.3	28.3	29.3	89.43	94.31	7.8	7.8	1.0	0.0	BSV	292.5	110.0	315.0	18.0	30.0	RIPPLE	RIPPLE	PT CLOUDY	CLEAR	FISHING	BOATING
95	7	08/28/95	BB IL	RB AB	17.5	16.0	7.2	7.8	30.5	30.2	90.19	94.71	7.8	7.9	NV	NV	BSV	BSV	115.0	315.0	17.5	25.0	RIPPLE	RIPPLE	PT CLOUDY	PT CLOUDY	FISHING	FISHING/BOATING
95	7	09/11/95	RB EL	AB SS	15.0	16.5	7.2	8.4	30.6	31.9	95.94	104.15	7.8	7.8	8.0	0.0	BSV	BSV	103.0	320.0	13.0	22.0	CALM	CALM	CLEAR	CLEAR	LOBSTERING	BOATING AND 1 MALLARD
95	7	09/26/95	RB EL	EL RB	13.5	13.0	7.6	7.8	30.2	30.6	97.74	99.37	7.8	7.8	5.0	2.0	BSV	315.0	120.0	345.0	14.0	15.0	RIPPLE	RIPPLE	OVERCAST	SHOWERS		LOBSTERING
95	7	10/10/95	RB EL	RB EL	13.0	14.0	7.7	7.6	30.0	30.4	97.07	98.79	7.8	8.0	2.0	0.0	BSV	BSV	120.0	330.0	8.5	21.0	RIPPLE	RIPPLE	CLEAR	CLEAR	FISHING	BOATS
95	7	10/26/95	RB EL	RB EL	11.0	11.5	7.9	8.0	26.4	29.8	94.38	97.74	7.8	7.9	11.0	23.0	115.0	307.0	115.0	350.0	6.0	18.0	CALM	RIPPLE	OVERCAST	PT CLOUDY	DUCKS BIRDS ETC	BOAT CORMORANTS
95	7	11/09/95	RB EL AB	BB AB IL	12.0	7.0	9.3	9.8	20.0	24.4	97.40	94.72	7.8	7.8	26.0	25.0	140.0	195.0	140.0	330.0	0.0	1.5	ripple	RIPPLE	partly cloudy	CLEAR	many ducks	FISHERMAN NEAR SAMPLIN
96	7	04/18/96	EL GT	EL GT DT	5.5	7.5	11.4	11.0	9.2	13.4	96.02	99.85	7.6	7.7	100.0	30.0	20.0	107.5	BSV	215.0	5.5	15.0	RIPPLE	RIPPLE	CLEAR	PT CLOUDY	NONE	NONE
96	7	05/06/96	GT EL	EL GT CT	9.0	9.5	9.2	9.6	20.2	22.2	90.29	96.51	7.7	7.8	103.0	1.0	BSV	BSV	BSV	BSV	5.0	11.0	CALM	RIPPLE	SHOWERS	PT CLOUDY	CONSTRUCTION	GARDEN HOSE
96	7	05/20/96	GT DT	GT DT LT	14.0	13.0	9.0	9.1	16.6	20.2	96.45	97.59	7.8	7.8	48.0	10.0	BSV	195	85.0	270	22.0	33.5	CALM	RIPPLE	FOG/HAZE	PT. CLOUDY	BOATING	NONE
96	7	06/03/96	EL DT	EL GT	17.0	14.0	8.2	8.7	22.7	26.9	98.95	98.73	7.8	7.9	19.0	5.0	BSV	[illegible]	80.0	280.0	19.5	19.0	CALM	RIPPLE	CLEAR	OVERCAST	BOATING	TO[illegible]
96	7	06/17/96		EL GT	19.0	16.0	7.8	8.3	25.9	27.2	97.76	102.87	7.5	7.8			BS[illegible]		80.0	265.0	23.5	28.0	CALM	RIPPLE	HAZE	HAZE	NEW DOCKS, BIRD	

Site 8

YEAR	SITE	DATE	SAMPLER-L	SAMPLER-H	WTEMP-L oC	WTEMP-H oC	DO-L ppm	DO-H ppm	SAL-L ppt	SAL-H ppt	SAT-L %	SAT-H %	pH-L	pH-H	FECAL-L CFU/100ML	FECAL-H CFU/100ML	LP-L cm	LP-H cm	DEPTH-L cm	DEPTH-H cm	ATEMP-L 0c	ATEMP-H 0c	WATER-L	WATER-H	WEATHER-L	WEATHER-H	ACTIVITIES-L
90	8	04/09/90			3.5	5.0	11.3	12.0	2.1	4.7	86.91	96.73	7.4	7.2	•	•	•	100.0	•	•	3.5	8.0					
90	8	04/25/90			10.5	11.0	•	9.6	6.5	7.0	•	90.55	7.3	7.4	•	•	•	115.0	•	•	11.0	19.0					
90	8	05/09/90			11.0	15.5	9.4	8.6	4.5	10.3	87.86	91.68	7.2	7.6	•	•	•	125.0	•	•	6.0	21.0					
90	8	05/24/90			9.5	13.0	9.6	9.6	3.5	5.0	86.42	93.63	7.2	7.5	•	•	•	125.0	•	•	7.5	20.0					
90	8	06/08/90			17.0	21.0	7.3	7.2	13.5	14.2	81.75	87.56	7.1	7.4	•	•	•	160.0	•	•	17.5	22.0					
90	8	06/22/90			19.0	23.0	6.8	6.4	9.6	13.6	66.14	79.89	6.9	7.4	•	•	•	95.0	•	•	19.0	26.0					
90	8	07/07/90			19.5	23.0	5.3	7.1	9.9	22.2	61.13	93.77	7.1	7.7	•	•	•	165.0	•	•	20.0	23.0					
90	8	07/21/90			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
90	8	08/06/90			24.0	23.0	5.6	5.6	17.9	24.8	73.49	75.09	7.4	7.6	•	•	40.0	135.0	•	•	22.5	24.0					
90	8	08/19/90			19.0	23.0	4.9	6.8	9.8	22.9	55.94	89.51	7.0	7.8	•	•	35.0	120.0	•	•	17.5	22.0					
90	8	09/03/90			21.0	22.0	5.6	7.4	14.2	11.9	68.10	90.54	7.4	7.9	•	•	•	152.0	•	•	19.0	22.0					
90	8	09/19/90			14.0	17.0	5.9	7.0	15.8	23.8	62.93	83.32	6.9	7.6	•	•	44.0	220.0	•	•	5.5	16.0					
90	8	10/04/90			13.0	17.0	6.2	7.6	15.0	27.1	64.42	92.32	7.2	7.7	•	•	40.0	220.0	•	•	8.0	21.0					
90	8	10/18/90			14.0	18.0	7.8	7.3	3.5	19.4	77.02	85.72	7.3	7.6	•	•	25.0	140.0	•	•	11.5	23.0					
91	8	04/28/91	JR CR		8.0	13.0	9.3	9.0	5.2	13.1	80.90	92.46	7.2	7.6	•	•	•	120.0	•	•	8.0	15.0	4in waves		pt cloud		
91	8				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
91	8	05/14/91	JB KGJR CR		16.0	15.5	8.1	8.3	5.1	13.6	84.76	90.18	7.0	7.5	•	•	73.0	95.0	•	•	17.5	19.0	calm br h2o		pt cloud		oystering seal
91	8	05/28/91	JB KG PB CR		18.0	20.0	5.6	7.4	10.7	6.7	62.98	84.13	7.1	7.6	•	•	43.0	135.0	•	•	16.0	27.0	calm		haze rain		
91	8	06/11/91	JR CR KG		20.5	22.0	5.0	7.5	15.4	24.2	60.63	98.41	7.2	7.8	•	•	•	130.0	•	•	25.0	30.0	calm		pt cloud		data diff days
91	8	06/26/91	CR JR		21.0	23.0	7.3	8.9	10.3	12.2	86.87	111.12	7.8	8.1	•	•	•	120.0	•	•	17.0	32.0	ripple		pt cloud		herons,new POTW
91	8	07/25/91	CR JR		24.0	25.0	2.9	8.2	22.5	27.6	38.39	115.08	8.0	8.0	•	•	•	170.0	•	•	23.0	35.0	calm		pt cloud		fish jump
91	8	08/08/91	CR JR		21.5	24.5	7.4	7.9	23.7	26.0	95.92	108.85	7.9	8.0	•	•	•	150.0	•	•	19.0	33.0	ripple		pt cloud		snail, large minnows
91	8	08/24/91	CR JR		18.0	22.0	7.6	6.6	3.2	9.3	82.02	79.62	7.2	7.2	•	•	•	120.0	•	•	18.0	28.0	calm		clear		fish, birds
91	8	09/08/91	CR JR		19.5	20.0	6.3	7.0	14.5	9.4	74.56	81.31	7.3	7.7	•	•	•	160.0	•	•	18.0	27.0	calm		clear		
91	8	09/23/91	CR JR		15.0	•	7.5	•	9.2	•	78.63	•	7.4	•	•	•	•	•	•	•	13.0	•	calm		clear		birds
91	8	10/07/91	CR JR		13.0	14.0	9.0	8.5	2.1	13.2	86.82	89.28	7.3	7.6	•	•	•	150.0	•	•	8.0	15.0	ripple		ptcloud		after rain

Site 9 - Cocheco River

YEAR	SITE	DATE	SAMPLER-L	SAMPLER-H	WTEMP-L	WTEMP-H	DO-L	DO-H	SAL-L	SAL-H	SAT-L	SAT-H	pH-L	pH-H	FECAL-L	FECAL-H	LP-L	LP-H	DEPTH-L	DEPTH-H	ATEMP-L	ATEMP-H	WATER-L	WATER-H	WEATHER-L	WEATHER-H	ACTIVITIES-L	ACTIVITIES-H
					oC	oC	ppm	ppm	ppt	ppt	%	%			CFU/100ML	CFU/100ML	cm				0c							
91	9	04/14/91	NN JH	NN JH	9.0	11.0	10.2	10.0	3.5	6.2	90.47	94.38	7.1	7.0	•	•	•	•	•	•	0.0	10.0	calm	calm	clear	clear	2 boats	2 boats
91	9	04/28/91	AR JH	AR JH	13.0	14.0	9.0	9.2	2.8	5.0	87.16	92.19	7.4	7.2	•	•	•	•	•	•	6.0	11.0	ripple	ripple	pt cloud	pt cloud		
91	9	05/13/91	NN JHCC	NN JHCC	16.0	18.0	8.3	8.2	3.2	5.8	85.95	89.75	7.1	6.9	•	•	•	•	•	•	10.0	22.0	br h2o	br h2o	pt cloud	pt cloud	cormorant	cormorant
91	9	05/27/91	JH NN	JH NN	18.0	21.0	5.8	6.0	7.6	11.6	64.11	71.92	7.0	7.2	•	•	•	•	•	•	13.0	20.0	br h20	br h20	overcst	overcst	4 boat	4 boat
91	9	06/11/91	JH JJ NN	JH JJ NN	19.5	23.0	4.6	5.6	9.9	4.6	52.48	67.13	7.1	7.2	•	•	•	•	•	•	18.0	26.0	calm	calm	pt cloud	pt cloud	fish jump	fish jump
91	9	06/26/91	NN JH	NN JH	19.5	22.5	7.3	10.0	9.3	19.1	83.92	127.91	7.4	7.8	•	•	•	•	•	•	16.0	27.0	calm	calm	clear	clear	POTW stopped	POTW stopped
91	9	07/11/91	NN JH	NN JH	19.5	21.0	6.3	6.9	16.6	24.5	75.46	89.40	7.2	7.5	•	•	•	•	•	•	17.0	22.0	ripple	ripple	clear	clear	fish jump	fish jump
91	9	07/26/91	NN JH	NN JH	23.5	23.0	5.8	6.3	18.0	25.4	75.46	84.77	7.5	7.6	•	•	•	•	•	•	20.0	23.0	calm	calm	showers	showers	murky h2o	murky h2o
91	9	08/09/91	JH NN CN	JH NN CN	21.5	21.5	6.7	7.0	19.5	27.2	84.75	92.65	7.4	7.6	•	•	•	•	•	•	17.0	24.0	calm	calm	pt cloud	pt cloud	pine pollen	pine pollen
91	9	08/25/91	NN JH	NN JH	19.0	21.0	7.0	6.3	2.1	3.4	76.64	72.24	6.9	6.9	•	•	•	•	•	•	13.0	24.0	ripple brownh20	ripple brownh20	clear	clear	fish,birds	fish,birds
91	9	09/07/91	NN JH	NN JH	18.0	22.0	6.0	7.9	7.2	13.6	66.18	97.57	6.8	6.8	•	•	•	•	•	•	12.0	28.0			clear calm br h2o	clear calm br h2o		
91	9	09/23/91	NN JH	NN JH	14.5	17.0	7.1	7.7	6.3	10.6	72.44	84.82	7.2	7.0	•	•	•	•	•	•	1.0	16.0	ripple	ripple	clear	clear		
91	9	10/06/91	NNJH	NNJH	15.0	15.0	8.5	8.0	3.0	5.1	86.08	91.96	7.0	7.0	•	•	•	•	•	•	14.0	16.0	ripple	ripple	overcast	overcast	highest high tide	highest high tide
91	9	10/22/91	JH SJ NN	JH SJ NN	10.0	11.0	10.0	8.9	2.2	4.8	90.14	83.33	7.3	7.0	•	•	•	•	•	•	5.0	18.5	ripple	ripple	ptl cloud	ptl cloud	Oceanic	Oceanic
91	9	11/05/91	NN JH	CC JH	7.0	8.0	10.0	10.0	4.8	6.7	85.15	88.23	7.2	7.0	•	•	•	•	•	•	-2.0	4.0	CALM	RIPPLE	OVERCAST	OVERCAST	NONE	HUNTING
92	9	04/16/92	NN SS	SS CC	5.5	6	11.2	11.9	5.4	8	92.19	100.76	7.3	6.9	•	•	•	•	•	•	-8	6.5	calm	ripple	clear	overcast ripple	seagulls	
92	9	05/02/92	JH NN	JH NN	11	12.5	9.4	9.5	4.8	6.25	88.01	92.76	7	7	•	•	•	•	•	•	10	16	calm	ripple	overcast	overcast	seagulls, ducks	
92	9	05/16/92	NN	NN JT	15	15.5	8.5	8.35	6.3	9.2	87.67	88.46	7.4	7.3	•	•	•	•	•	•	9.5	16	calm	calm	showers	overcast		
92	9	06/01/92	NN	SS CC	14	13.5	7.8	8.1	9.9	14.5	78.31	84.81	7.1	7.3	•	•	•	•	•	•	10	10	calm	ripple	showers	showers	new mooring	
92	9	06/14/92	NN	JH	18.5	22.5	6.4	6.5	7	11.5	72.65	80.09	7.1	7.1	•	•	•	•	•	•	19	28	calm	calm	clear	clear	no htide sample	boating cormorants
92	9	06/29/92	SS NN	SS NN	17.5	22	6.7	6.5	11.1	19.5	74.76	82.99	6.7	7.5	•	•	•	•	•	•	13.5	28	calm	ripple	clear	pt cloudy	boating	boating
92	9	07/14/92	NN	NN SS	20.5	20	6.7	7.15	17.9	20.5	82.41	88.44	7.6	7.6	•	•	•	•	•	•	16	18	calm	ripple	overcast	showers	boating	
92	9	07/29/92	NN	JT NN	20.5	22	7.1	9.1	15.3	19.1	86.05	115.92	7.5	7.5	•	•	•	•	•	•	15	27	calm	•	clear	clear		
92	9	08/12/92	NN	NN SS	20.5	22	6.5	6.3	9.8	16.7	76.40	104.30	7	7.4	190.0	52.0	•	•	•	•	14	24	calm	•	clear	clear	boating	fishing
92	9	08/27/92	CC JJ	SS	22	25	6.9	8.4	9.9	17.4	83.51	111.91	6.8	7.5	22.0	150.0	•	•	•	•	22	27	calm	calm	showers	hazy		boating
92	9	09/10/92	SS	SS	19	23	8.3	8.1	9.2	16.1	94.43	103.33	6.9	6.4	1010.0	ntvd	•	•	•	•	20	27	calm	•	foggy	ptcloudy		
92	9	09/26/92	NN	NN CN	14.5	16	8	8.6	12.6	20.3	84.62	98.22	7	7.6	•	•	•	•	•	•	10.5	17	calm	ripple	overcast	overcast		fishing boating
92	9	10/11/92	SS	NN	13	14	8.2	8.4	7.9	9.4	81.73	86.30	7	7.1	•	•	•	•	•	•	13	18	calm	calm	overcast	overcast		boating
92	9	10/24/92	NN	NN SS	9	10.5	10.2	8.6	6.8	13.5	92.23	83.77	7	7.1	•	•	•	•	•	•	7	15	calm	calm	ptcloudy	cloudy		
92	9	11/09/92	SS	SS	3	5	11.3	11.5	5.4	5.9	87.20	93.76	6.6	6.9	170.0	50.0	•	•	•	•	-6	2	calm	•	clear	clear		
93	9	04/21/93	NN JM	NN JM	10	11.5	10.1	10.2	0	0	89.92	94.02	7.1	7.2	20	70.0	17	115	17	180	16	19	calm	ripple	ptcloud	ptcloud	quiet	geese
93	9	05/06/93	NN JM	NN JM	17	17	8.9	8.5	0	2.9	92.50	89.73	7.1	7	420	100.0	24	100	24	250	17	22	calm	ripple	overcast	ptcloud	quiet	
93	9	05/20/93	NN JM	NN JM	15	15	7.8	7.6	4.7	9.9	79.73	80.00	7	6.9	250	140.0	20	118	20	400	11	13	calm	ripple	overcast	overcast	quiet	boating
93	9	06/04/93	NN JM	NN JM	15	17	8.1	8	5.9	10.8	83.36	88.22	6.9	7	240	100.0	20	150	20	200	10	20	calm	ripple	clear	ptcloud		boating
93	9	06/23/93	JM BK	JM BK	21	20.5	6.5	7.9	14	18.3	78.96	97.39	7	7.3	600	100.0	•	•	•	175	19	21	waves	ripple	clear	clear	boating	
93	9	07/06/93	JM	JM	24	28.5	7.5	8.2	12.8	20.4	95.69	114.04	7.6	7.8	•	•	•	•	•	400	30	32	ripple	ripple	clear	clear	loon	fishing
93	9	07/23/93	NN JM	NN JM	22	22	6.8	7.2	19.5	24.9	86.33	94.86	7.1	7.6	310	40.0	•	•	30	425	20	23	ripple	ripple	clear	pt cloudy	cormorant	boating
93	9	08/03/93	NN JM	NN JM	23	26	7.3	9.5	12.4	21.1	91.24	131.50	7.3	7.7	•	•	•	•	•	400	22	28	ripple	ripple	pt cloudy	pt cloudy	herons	osprey
93	9	08/19/93	NN JM	NN JM	22	24	5.3	•	15.4	21.7	66.12	•	7.1	7.5	470	10.0	•	•	•	465	18	22	calm	calm	overcast/foggy	pt cloudy	fish jumping	howling
93	9	09/02/93	NN	NN	22	22	5.6	6.8	20	25.2	71.71	116.15	7.4	7.5	180	100.0	40	195	40	•	19.5	22	calm	ripple	clear	clear	birds and boats	boat
93	9	09/20/93	JM	JM	15.5	16	7	9.6	17	24.5	77.58	112.49	7.3	7.8	320	30.0	•	•	•	440	12	15	ripple	ripple	clear	pt cloudy	frost and birds	heron, boating
93	9	10/04/93	JM	JM	12.6	15	8.5	9.9	8.4	15.4	84.03	107.58	7.1	7.6	440	80.0	•	•	•	365	13	20.5	calm	ripple	pt cloudy	pt cloudy	green glob plants	breezy
93	9	10/18/93	JM	JM	9.5	11.5	•	8.7	4.3	13.3	•	86.57	7	7.3	600	120.0	•	•	•	460	14	17	ripple	ripple	pt cloudy	clear	birds, mild temp	foliage tour boats
93	9	11/09/93	JM IL	JM IL	6	2	11.1	11	3.8	5	91.66	82.45	6.9	7.5	170	60.0	•	•	•	390	7	-4	calm	calm	pt cloudy	clear	ducks	ice
94	9	04/26/94	NN	NN RJ	9.0	9.0	10.2	10.1	1.6	5.4	89.49	90.58	7.3	7.3	210.0	38.0	30.0	13.0	30.0	430.0	5.0	6.0	CALM	•	SHOWERS		NONE	
94	9	05/10/94	BK JM	BK RJ	11.5	12.0	10.1	9.5	0.0	3.4	93.09	90.27	•	7.1	80.0	130.0	•	•	•	550.0	12.0	16.0	•	RIPPLE	CLOUDY	CLEAR	DEER	NONE
94	9	05/25/94	AR JJ JJ	RJ BK	16.0	15.0	8.2	8.0	2.4	5.0	84.54	81.91	6.9	7.3	210.0	70.0	10.0	110.0	10.0	600.0	12.0	13.0	RIPPLE	RIPPLE	SHOWERS	PT CLOUDY	NONE	BOAT
94	9	06/09/94	NN	RJ NN	17.0	20.0	7.3	7.2	7.0	14.5	78.91	86.04	7.3	7.5	220.0	38.0	30.0	145.0	30.0	310.0	16.0	23.0	CALM	RIPPLE	CLEAR	CLEAR	NONE	BOATING
94	9	06/23/94	JM	RJ CC JM	21.0	22.0	5.8	6.6	13.0	20.9	70.06	84.95	7.1	7.2	420.0	50.0	•	•	•	•	16.0	24.0	CALM	RIPPLE	CLEAR	CLEAR		BOATING
94	9	07/11/94	NN	NN	23.5	25.0	6.8	8.3	13.9	20.9	86.48	112.76	7.8	7.9	400.0	20.0	20.0	120.0	20.0	285.0	23.0	26.0	RIPPLE	CALM	CLEAR	CLEAR	MODERATE BREE	NO BOATS
94	9	07/25/94	JM	JM KG	24.0	25.0	7.4	6.7	13.6	•	94.83	•	7.7	7.7	70.0	10.0	•	•	•	445.0	22.0	27.0	RIPPLE	WAVES	FOG	PT CLOUDY		BOATING
94	9	08/09/94	BK CC	BK	20.5	23.0	7.5	7.7	15.6	25.5	91.05	103.67	7.7	7.8	600.0	0.0	•	•	•	•	16.0	23.5	CALM	RIPPLE	CLEAR	CLEAR		FISHING/BOATING
94	9	08/22/94	NN	RJ NN	20.5	20.0	7.2	8.1	8.8	16.6	84.17	97.96	7.3	7.3	•	•	40.0	130.0	40.0	•	18.0	16.0	CALM	CALM	OVERCAST	DOWNPOUR	BLUE HERON	BOATING
94	9	09/06/94	WK	BK RJ	15.0	17.5	7.8	10.6	14.1	24.0	84.12	127.56	7.7	7.4	TNTC	46.0	•	•	•	•	11.5	17.0	RIPPLE	WAVES	PT CLOUDY	VERY WINDY	NONE	BOATING
94	9	09/21/94	JM SO	BK JM	16.0	19.0	8.0	10.7	8.9	19.1	85.50	128.78	7.5	8.7	130.0	0.0	•	•	•	480.0	9.0	22.0	CALM	RIPPLE	CLEAR	CLEAR	BIRDS	CANOE
94	9	10/06/94	NN	RJ NN	11.0	14.0	7.6	9.0	8.1	13.9	72.53	94.92	6.9	7.8	169.0	11.0	20.0	95.0	20.0	460.0	4.0	11.0	CALM	CALM	CLEAR	PT CLOUDY	BOATING	NONE
94	9	10/20/94	NN	BP BK	11.0	12.0	8.9	9.1	7.0	4.6	84.39	87.06	7.2	7.5	110.0	90.0	40.0	205.0	40.0	510.0	13.0	13.5	•	RIPPLE	•	OVERCAST		FISHING
94	9	11/07/94	NN JM	NN JM	9.5	10.0	9.0	8.8	10.7	17.1	84.25	86.65	6.9	7.5	380.0	30.0	•	145.0	•	200.0	7.0	9.0	WAVES	WAVES	PT CLOUDY	CLEAR	WINDY	
95	9	04/18/95	BK JM	LM NN	10.0	9.0	10.9	10.4	1.9	8.1	98.09	94.76	7.1	7.2	26.0	11.0	BSV	117.5	30.0	400.0	10.0	11.0	RIPPLE	RIPPLE	CLEAR	CLEAR	BIRDS	NONE
95	9	05/01/95	JM BK	NN LM	10.0	11.0	9.9	9.8	4.4	9.7	89.91	94.40	7.0	7.0	70.0	3.0	BSV	157.5	40.0	360.0	1.0	10.0	CALM	CALM	PT CLOUDY	OVERCASTE	NONE	NONE
95	9	05/15/95	JM	JM LM	7.0	8.0	8.5	9.3	5.4	11.2	72.64	84.30	7.0	7.0	160.0	NV	BSV	102.0	25.0	460.0	9.0	6.0	RIPPLE	RIPPLE	SHOWERS	SHOWERS	NONE	NONE
95	9	05/30/95	JM	BK LM	17.0	19.0	7.0	7.4	4.2	8.8	74.42	84.01	6.9	7.4	130.0	190.0	BSV	•	30.0	•	18.0	23.0	RIPPLE	RIPPLE	PT CLOUDY	PT CLOUDY	NONE	BOATING
95	9	06/13/95	BK JM	BK JM	18.0	19.5	7.5	6.6	6.8	13.7	82.54	77.76	7.0	7.3	NV	80.0	BSV	117.5	30.0	420.0	15.0	18.5	CALM	RIPPLE	PT CLOUDY	OVERCAST	NONE	SAILBOAT MOTOR
95	9	06/27/95	NN JM	NN LM	20.5	19.0	7.0	7.5	10.1	20.8	82.41	91.17	7.4	7.5	570.0	NV	BSV	152.5	40.0	360.0	17.5	•	RIPPLE	RIPPLE	PT CLOUDY	CLEAR	BOATING	BOATING
95	9	07/12/95	NN JM	NN WK	21.0	22.5	6.0	6.2	14.0	25.4	72.88	82.67	7.6	8.5	400.0	20.0	BSV	135.0	35.0	400.0	17.5	24.0	CALM	RIPPLE	FOG/HAZE	PT CLOUDY	NONE	BOATING
95	9	07/27/95	BK JM	BK DB	23.5	27.5	7.0	7.5	9.8	17.2	87.06	104.26	7.6	7.6	100.0	110.0	BSV	127.5	40.0	320.0	22.0	27.0	CALM	RIPPLE	CLEAR	PT CLOUDY	FISHING	NONE
95	9	08/10/95	LM NN	NN BK	14.5	16.5	6.6	7.0	9.9	16.3	68.73	82.08	7.4	7.6	240.0	10.0	BSV	150.0	40.0	390.0	15.0	25.0	CALM	CALM	CLEAR	CLEAR	NONE	NONE
95	9	08/28/95	LM BK	LM BK CM	12.0	13.5	7.9	10.0	17.4	23.7	81.49	110.71	7.9	8.2	NV	NV	BSV	•	40.0	•	16.5	21.5	CALM	RIPPLE	CLEAR	PT CLOUDY	NONE	NONE
95	9	09/11/95	WK JM	JAM CC	9.0	19.0	7.8	9.8	17.6	27.8	75.30	124.27	7.8	8.0	140.0	0.0	BSV	150.0	50.0	375.0	10.0	19.0	RIPPLE	RIPPLE	CLEAR	CLEAR		BOATING
95	9	09/26/95	BK JM	DB CC	8.0	8.0	6.8	9.2	16.9	24.6	63.85	90.78	7.6	7.6	800.0	0.0	BSV	100.0	40.0	•	13.5	14.0	CALM	RIPPLE	OVERCAST	OVERCAST		
95	9	10/10/95	JM AR	CC JM	5.0	9.0	8.4	13.6	10.4	17.0	70.40	130.80	7.5	8.4	230.0	0.0	BSV	100.0	40.0	430.0	7.0	16.0	CALM	RIPPLE	CLEAR	PT CLOUDY	BOAT/FISH	BOAT/FISH
95	9	10/26/95	BK JM	LM JM	4.0	6.0	9.1	9.0	1.6	4.1	70.47	74.45	7.1	7.1	320.0	210.0	BSV	135.0	40.0	•	4.0	14.0	CALM	RIPPLE	PT CLOUDY	CLEAR	BIRDS	
95	9	11/09/95	JM LM	JM LM	-1.0	-1.0	11.7	12.0	0.6	0.6	•	•	7.4	7.3	130.0	110.0	BSV	105.0	40.0	400.0	1.0	2.0	RIPPLE	RIPPLE	PT CLOUDY	P CLOUDY	NONE	WIND
96	9	04/18/96	BK JM	BK JM	6.0	7.0	13.0	12.3	0.2	0.1	105.12	101.91	7.0	7.1	350.0	210.0	BSV	•	50.0	•	5.0	13.0	RIPPLE	•	CLEAR	•	NONE	•
96	9	05/06/96	L JM	NN JM	11.0	11.5	10.6	9.9	0.0	0.6	98.60	91.55	7.1	7.4	60.0	30.0	BSV	112.0	30.0	370.0	3.0	7.0	RIPPLE	RIPPLE	SHOWERS	OVERCAST	NONE	NONE
96	9	05/20/96	JM LM	NN JM	15.5	18.0	9.2	9.0	8.6	0.8	97.13	95.89	7.3	7.3	120.0	190.0	BSV	120.0	30.0	400.0	16.0	30.0	CALM	CALM	PT CLOUDY	PT CLOUDY	NONE	NONE
96	9	06/03/96	JM LM	LM JM	19.0	19.0	7.7	7.8	4.4	6.2	85.34	87.30	7.0	7.1	160.0	20.0	BSV	110.0	35.0	400.0	16.0	15.0	CALM	CALM	PT CLOUDY	SHOWERS	NONE	NONE
96	9	06/17/96	JM LM	LM DB	22.0	24.0	6.7	7.5	6.0	13.4	79.40	96.00	•	7.4			BSV	130.0	40.0	465.0	20.0	26.0	CALM	RIPPLE	HAZE	HAZE	BUGGY	BOAT

Piscataqua River

DATE	SAMPLER-L	SAMPLER-H	WTEMP-L	WTEMP-H	DO-L	DO-H	SAL-L	SAL-H	SAT-L	SAT-H	pH-L	pH-H	FECAL-L	FECAL-H	LP-L	LP-H	DEPTH-L	DEPTH-H	ATEMP-L	ATEMP-H	WATER-L	WATER-H	WEATHER-L	WEATHER-H	ACTIVITIES-L	ACTIVITIES-H
			oC	oC	ppm	ppm	ppt	ppt	%	%			CFU/100ML	CFU/100ML	cm	cm	cm	cm	0c	0c						
07/11/91	JJ JB PB CC	JJ JB PB CC	20.5	26.0	7.1	7.8	25.5	29.1	91.31	113.05	7.6	7.9	•	•	•	•	•	•	21.0	27.0	ripple	ripple	clear	clear	open site	open site
07/26/91	JB JJ CC	JB JJ CC	23.0	23.0	6.9	9.6	27.4	31.5	93.95	133.98	7.7	7.5	•	•	•	•	•	•	21.0	23.0	calm	calm	shws	shws	minnows	minnows
08/09/91	JJ KG	JJ KG	21.0	22.0	7.7	7.9	28.9	33.2	102.04	109.46	7.7	7.4	•	•	•	•	•	•	19.0	25.0	ripple	ripple	overcast	overcast	fishing	fishing
08/24/91	JJ JJ	JJ JJ	20.0	23.0	7.4	7.8	8.0	3.5	85.30	92.97	7.0	6.9	•	•	•	130.0	•	•	16.0	28.0	CALM	CALM	CLEAR	CLEAR	boating	boating
09/07/91	JJ PB	JJ PB	19.0	20.0	7.2	8.8	17.6	25.9	85.90	112.40	7.4	6.9	•	•	•	180.0	•	•	19.0	25.0	calm blue h	calm blue h	clear	clear	•	
09/23/91	JJ JJ	JJ JJ	15.0	16.0	6.2	7.5	14.5	26.1	67.02	88.76	6.9	6.9	•	•	•	•	•	•	14.0	18.0	ripple	ripple	overcast	overcast	boats,quiet	boats,quiet
10/07/91	AR TD	AR TD	12.0	13.5	8.3	7.6	6.6	23.5	80.32	84.06	7.4	7.8	•	•	•	170.0	•	•	5.0	15.0	calm	calm	ptcloud	ptcloud		
10/23/91	KG	KG	9.0	12.5	9.2	8.8	9.3	20.3	84.42	93.40	7.4	7.7	•	•	24.0	180.0	•	•	5.0	16.0	ripple	ripple	clear	clear	higher tide	higher tide
11/06/91	KG	AR SM	6.0	8.5	9.0	9.0	14.2	21.4	79.18	87.97	7.4	7.4	•	•	54.0	220.0	•	•	2.0	8.5	RIPPLE	CALM	OVERCAST	OVERCAST	NONE	BOATING
04/16/92	BW RW	BW RW	5.5	6.5	11.2	11.2	10.3	22.2	94.97	105.00	7.3	8.1	•	•	80	175	•	•	0	8	calm					
05/01/92	BW RW	BW RW	10.5	14.5	10	10.3	8.7	15.4	94.67	110.75	7.5	7.6	•	•	210	220	•	•	7	24	calm	calm			seagulls,cormorants	cormorants
05/15/92	BW RW	BW RW	15.5	14.5	8.7	9.4	13.9	21	94.69	104.64	7.4	7.7	•	•	65	135	•	•	11	14	whitecaps	ripple			boating windy	boating
06/01/92	BW RW	BW RW	14.5	13.5	7.6	8.3	18.2	24.6	83.10	92.44	7.6	7.8	•	•	55	140	•	•	9	9	waves	ripple				
06/15/92	JJ JJ	JJ JJ	20.5	21.5	6.8	7.8	14.8	20	82.18	96.41	7.2	7.6	•	•	80	130	•	•	18	23	ripple	ripples			boating	boating
06/30/92	BW RW	BW RW	21.5	18.5	8	8.2	25.2	28.6	104.62	103.50	8.1	7.9	•	•	85	135	•	•	32	29	ripple	ripple			boating	boating
07/14/92	BW RW	BW RW	19.4	17.4	8	8.3	23.1	28.4	98.59	101.65	7.7	7.9	38.0	21.0	110	205	•	•	18	18.5	calm	ripple			ducks	fish jump
07/29/92	BW RW	BW RW	20.4	19.4	7.9	8.7	22.1	30	98.65	111.83	7.8	7.9	4.0	2.0	70	180	•	•	16	30	calm	ripple			BIRDS	
08/12/92	BW RW	BW RW	20.4	20.4	7	7.7	21.3	27.7	87.00	99.43	7.6	7.7	76.0	7.0	•	235	•	•	15	34	ripple	ripple			guls	boating
08/27/92	BW RW	BW RW	22.4	20.4	8.7	7.5	22.7	30	113.16	98.23	7.6	7.8	28.0	22.0	•	250	•	•	20	26	calm	calm			cormorant	scum on h2o
09/10/92	BW RW	BW RW	18.9	20.4	7.5	8.1	22.1	31.6	90.99	107.15	7.7	7.7	25.0	4.0	•	270	•	•	20	30	ripple	ripple			birds	fish jump
09/26/92	BW RW	BW RW	13.4	13.4	8.3	7.8	23	30.8	90.56	89.48	7.4	7.5	•	•	•	240	•	•	11	18	waves	ripple				
10/11/92	BW RW	BW RW	14.4	14.4	8.1	8.3	20.4	28.2	88.82	95.58	7.3	7.7	304.0	80.0	95	300	•	•	13	16	calm	calm				boating
10/24/92	BW RW	BW	8.4	9.4	8.5	9	18.4	29	80.57	93.57	7.2	7.6	0.0	0.0	160	•	•	•	5	5	calm	calm				lobstering
11/09/92	BW RW	BW RW	4.4	5.4	9.8	10.6	14.8	21.6	82.32	95.45	7.2	7.4	•	•	•	255	•	•	-8	6	calm	ripple				
04/21/93	HB BM KM	MS KM BM	10	11.5	10.17	11.05	0.3	6	90.70	105.35	7.1	7.6	30.0	0.0	•	110	•	235	12.5	19.5	calm	waves	pt cloud	windy pt cloud	no seccl	6cormorants
05/06/93	MS KK BM	RW KK BM	15.5	15.5	8.02	8.61	6.3	18.3	83.59	96.17	10	7	140.0	0.0	•	250	•	250	17.0	25.0	ripple	ripple	pt cloud	pt cloud	ph meter trouble	no dock
05/20/93	JD JD BM	BM MC KM	13.5	13	7.13	8.03	14.7	22.7	74.74	87.45	7.4	7.8	70.0	0.0	•	60	25.0	225	11.0	14.0	calm	waves	overcast	overcast	no dock	cormorant
06/03/93	JC SC	MC KM BM	14	15.5	7.68	8.26	14.7	24.8	81.38	95.99	7.6	8	40.0	0.0	•	160	•	230	9.0	22.0	calm	calm	clear	pt cloud	pile driver	no dock
06/23/93	BM	KM HB BM	19	18	6.67	7.7	20.5	26.6	80.94	95.08	7.7	7.9	60.0	10.0	90	90	90.0	315	19.0	23.5	waves	waves	clear	clear	burette trouble	boating
07/06/93	BM	BM	21.5	20	6.6	8.08	23.9	29.2	85.65	105.31	7.6	8	10.0	0.0	90	215	90.0	315	27.0	33.0	calm	ripple	clear	clear	dock in	boating,birds
07/22/93	BM WM	BM WM	21	18.5	7.01	7.89	26.1	28.4	91.33	99.46	7.6	7.9	0.0	0.0	75	220	75.0	335	21.0	24.5	calm	calm	clear	overcast	turbid problems	boats,birds
08/03/93	BM	BM	22	21	7.39	8.1	23.7	29.3	96.68	107.60	7.4	7.6	•	•	95	280	95.0	310	22.0	29.0	calm	calm	cloudy	pt cloud	fish,birds	boating,fishing
08/19/93	BM	BM	21.5	21	5.96	7.58	24.8	30.4	77.76	101.37	7.5	7.6	20.0	0.0	80	270	80.0	345	18.0	23.0	ripple	calm	foggy/haze	pt cloudy	birds	boats
09/02/93	BM	BM	20	20.5	6.72	7.93	26.9	29.9	86.36	104.75	7.7	7.6	10.0	4.0	110	310	110.0	310	16.0	21.5	ripple	white caps	clear	clear	birds(26)	gulls, boat
09/20/93	JC JD SB	BM	15	15	7.6	7.9	25.6	29.7	87.87	93.75	7.6	7.6	30.0	100.0	95	315	95.0	340	14.0	14.5	ripple	calm	clear	pt cloudy	birds	boats
10/04/93	JD JC	KK BM	14.5	15	8.5	8.67	21.7	28.7	94.93	102.23	7.4	7.5	29.0	3.0	135	320	135.0	320	16.5	21.5	ripple	ripple	clear	pt cloudy	lots o' birds	great blue her
10/18/93	SC KK	KK MS	10	11	7.6	8.25	18.3	30.8	75.39	90.72	7.1	7.6	50.0	5.0	105	345	105.0	345	15.5	17.0	ripple	ripple	pt cloudy	clear	boating	boating
11/09/93	JM MC BM	CM MC BM	6.5	7	9.07	9.8	14.2	24.1	80.77	94.16	7.4	8	36.0	17.0	110	295	110.0	295	9.0	18.0	calm	calm	pt cloudy	clear	boating	a boat
04/26/94	JC MM JM	JC KC MM JM	7.5	7.0	9.8	10.4	10.6	20.8	87.00	97.78	7.3	7.9	21.0	20.0	30.0	140.0	30.0	235.0	4.5	7.0	RIPPLE	RIPPLE	SHOWERS	OVERCAST	NONE	NONE
05/10/94	JC KK BM	BM SC JC BS	13.0	15.0	9.5	9.5	4.8	7.6	93.03	99.01	7.3	7.5	120.0	60.0	35.0	157.0	35.0	200.0	12.0	20.0	CALM		OVERCAST		BIRDS	
05/25/94	BM	SC KM	15.0	14.0	8.4	8.4	10.0	21.7	88.26	92.41	7.6	7.9	46.0	7.0	90.0	142.5	90.0	340.0	11.0	15.9	CALM	RIPPLE	SHOWERS	OVERCAST	DOCK IS IN	BOATING
06/09/94	BM KM MM	BM MS	16.7	17.5	7.6	8.2	18.5	22.9	86.74	97.55	7.6	7.8	26.0	0.0	90.0	213.0	90.0	285.0	14.1	27.0	CALM	CALM	CLEAR	CLEAR	GULLS, BOATING	BOATING
06/23/94	BM	BM	20.5	19.5	7.1	7.7	22.2	29.0	88.91	98.90	7.6	7.9	29.0	3.0	70.0	182.5	70.0	315.0	18.0	28.0	CALM	RIPPLE	CLEAR	PT CLOUDY	BOATING	BOATING
07/11/94	CM BM	CM BM	23.0	22.0	7.3	7.7	24.7	28.6	97.15	106.41	7.8	7.9	20.0	1.0	90.0	267.0	90.0	310.0	25.0	31.0	RIPPLE	CALM	CLEAR	CLEAR	10 CORMORANTS	BOATING
07/25/94	CM BM	AR SL	24.5	22.0	6.4	7.0	24.7	29.8	88.08	94.98	7.7	8.5	10.0	1.0	90.0	250.0	90.0	315.0	23.0	30.0	CALM	RIPPLE	FOG	HAZE	GULLS	BOATING
08/09/94	JC BM CM	BM KM JC	21.5	21.5	7.6	7.9	25.2	29.1	99.39	106.17	7.7	8.0	2.0	2.0	85.0	207.5	85.0	320.0	21.0	26.0	CALM				BOATING	BOATING
08/22/94	BM JC	JC BM	19.5	16.5	6.4	7.2	23.3	29.2	80.09	87.14	7.9	7.9	30.0	7.0	90.0	245.0	90.0	320.0	18.0	19.5	RIPPLE	RIPPLE	OVERCAST	SHOWERS	BOATING	
09/07/94	KM HS BM	JC BM	15.5	17.0	8.9	7.6	26.1	30.8	104.27	93.88	8.1	7.9	•	•	95.0	222.5	95.0	325.0	11.5	23.0	CALM	CALM	PT CLOUDY	PT CLOUDY	BOATING	BOATING
09/21/94	KM HS BM	MS BM	16.5	17.5	9.8	8.9	23.8	31.3	115.48	112.08	8.3	8.3	8.0	0.0	75.0	305.0	75.0	305.0	13.0	23.5	CALM	RIPPLE	CLEAR	CLEAR	GULLS (3)	BOATING
10/06/94	BM MM BS	BM	12.0	13.0	7.7	8.3	18.8	26.8	79.90	92.77	7.9	8.0	19.0	0.0	75.0	200.0	75.0	340.0	6.0	15.0	CALM	RIPPLE	CLEAR	PT CLOUDY	BIRDS	BIRDS
10/20/94	BM	BM SC SC	12.5	12.5	8.6	9.0	17.7	29.5	89.83	101.30	7.9	8.1	11.0	5.0	115.0	330.0	115.0	330.0	15.0	14.5			SHOWERS		BLUE HERON	
11/07/94	BM	BM BS	10.0	10.5	8.0	8.0	18.6	28.9	79.71	86.35	7.6	7.8	33.0	2.0	75.0	170.0	75.0	300.0	8.0	10.0	WAVES	WAVES	PT CLOUDY	PT CLOUDY	BLUE HERON/WINDY	WINDY
04/18/95		JDM JAM	•	8.5	•	10.6	•	23.2	•	104.83	•	7.6	•	1.0	•	•	•	115.0	•	14.0	•	RIPPLE	•	CLEAR	•	SEAGULLS
05/01/95		JDM JAM	•	10.0	•	10.3	•	22.4	•	104.86	•	7.4	•	3.0	•	•	•	205.0	•	11.0	•	RIPPLE	•	PT CLOUDY	•	SEAGULLS
05/15/95		JDM JAM	•	11.0	•	9.0	•	26.4	•	96.13	•	7.6	•	0.0	•	•	•	235.0	•	8.0	•	RIPPLE	•	DOWNPOUR	•	NONE
05/30/95		JDM JAM	•	17.0	•	7.7	•	23.0	•	91.21	•	7.4	•	4.0	•	•	•	200.0	•	25.0	•	RIPPLE	•	PT CLOUDY	•	BOATING
06/13/95	JDM JAM	JDM JAM	18.0	16.5	6.3	7.5	18.6	26.4	74.14	89.81	7.0	7.4	11.0	3.0	BSV	157.5	45.0	300.0	15.0	19.5	CALM	RIPPLE	OVERCAST	SHOWERS	BOATS IN THE AR	BOATING
06/27/95	JM JM	JM JM	21.0	21.0	7.7	8.3	22.4	26.2	98.14	108.20	7.2	7.6	NV	4.0	•	192.5	75.0	260.0	16.0	21.0	RIPPLE	CALM	PT CLOUDY	CLEAR	BOATING	BOATING
07/12/95	JM JM	JM JM	20.0	19.0	6.1	7.5	25.3	29.6	77.64	96.17	6.9	7.4	10.0	1.0	BSV	147.5	45.0	290.0	17.0	25.0	CALM	RIPPLE	MIST	PT CLOUDY	BOATING	NONE
07/27/95	JM JM BE	JAM JDM BE	24.0	24.0	6.5	6.8	24.0	28.9	88.31	95.09	7.4	7.4	TNTC	5.0	BSV	195.0	75.0	265.0	23.0	35.0	CALM	CALM	PT CLOUDY	PT CLOUDY	BOATING	BOATING
08/10/95	JDM JAM	JDM BE	21.0	24.0	5.3	6.7	22.6	29.2	67.63	93.86	7.2	7.4	11.0	2.0	BSV	227.5	55.0	300.0	15.0	28.0	CALM	RIPPLE	CLEAR	CLEAR	NONE	BOATING
08/28/95	JM JM BE	JM JM BE	19.0	19.0	8.5	7.8	26.6	30.8	106.99	100.77	7.6	7.6	NV	NV	BSV	197.5	65.0	290.0	17.0	31.0	RIPPLE	RIPPLE	CLEAR	PT CLOUDY	NONE	JET SKIS
09/11/95	JDM BTE	JJ BTE	15.5	17.0	8.6	7.8	27.8	31.6	101.84	97.48	8.0	7.3	6.0	0.0	BSV	170.0	60.0	200.0	14.0	21.0	CALM	CALM	CLEAR	CLEAR	BOATING	BOATING
09/26/95	JM JM BE	JAM ADM	14.0	14.0	7.9	8.1	26.9	30.8	90.22	94.87	7.1	7.6	8.0	5.0	BSV	212.5	75.0	315.0	14.0	15.0	CALM	RIPPLE	OVERCAST	SHOWERS	SEA GULLS	BOATING
10/10/95	JM JM	JM JM BE	12.0	15.0	8.8	7.9	23.2	30.2	94.10	94.05	7.1	7.8	23.0	0.0	BSV	245.0	80.0	285.0	10.0	18.0	CALM	CALM	CLEAR	CLEAR	BIRDS	BIRDS
10/26/95	JM BE	JM BM	11.0	13.0	7.9	7.7	11.4	27.4	76.87	86.40	6.4	7.1	TNTC	5.0	BSV	170.0	70.0	320.0	8.0	14.0	CALM	RIPPLE	OVERCAST	CLEAR	BIRDS	SMALL FISH
11/09/95	JM JM	JM JM	4.5	5.0	10.7	9.4	5.3	15.4	85.81	81.29	7.1	7.0	0.0	83.0	BSV	157.5	100.0	305.0	2.0	4.0	RIPPLE	RIPPLE	PT CLOUDY	CLEAR		
04/18/96	BB BE	BB AB	7.0	8.0	13.1	11.9	0.2	1.1	108.61	101.63	7.2	7.1	180.0	9.0	35.0	55.0	100.0	320.0	4.0	13.0	CALM	RIPPLE	CLEAR	PT CLOUDY	LOTS OF FLYING	VERY STRON
05/06/96	BB AB BE	AB	10.0	1.0	9.8	9.6	5.4	11.6	89.97	73.01	7.0	7.4	30.0	0.0	52.5	172.5	57.0	265.0	3.0	9.0	CALM	CALM	OVERCAST	PT. CLOUDY	NONE	NONE
05/20/96	BB	AB	14.0	21.0	8.9	9.0	5.0	13.6	89.19	109.08	7.2	7.4	80.0	40.0	BSV	162.5	100.0	280.0	18.0	34.0	RIPPLE	RIPPLE	PT CLOUDY	PT. CLOUDY	BOATING	BOATING
06/03/96									0.00	0.00																
06/17/96	AB BB	AC KF	21.0	21.5	7.2	8.0	16.3	24.0	88.60	103.88	7.4	8.0			BSV	185.0	75.0	260.0	22.0	•	RIPPLE	RIPPLE	OVERCAST	CLEAR	BOATING, BUGGY	BOATING

Site 11- CML

YEAR	SITE	DATE	SAMPLER-L	SAMPLER-H	WTEMP-L	WTEMP-H	DO-L	DO-H	SAL-L	SAL-H	SAT-L	SAT-H	pH-L	pH_H	FECAL-L	FECAL-H	LP-L	LP-H	DEPTH-L	DEPTH-H	ATEMP-L	ATEMP-H	WATER-L	WATER-H	WEATHER-L	WEATHER-H	ACTIVITIES-L	ACTIVITIES-H
					oC	oC	ppm	ppm	ppt	ppt	%	%			CFU/100ML	CFU/100ML	cm	cm	cm	cm	0c	0c						
91	11	04/13/91	PH JC SD	PH JC SD	6.1	6.2	10.4	10.5	27.8	26.8	100.06	99.85	7.4	7.5	•	•	•	•	•	•	5.8	8.0	•	•	•	•	•	•
91	11	04/28/91	SD PH	SD PH	8.0	8.8	9.1	9.1	25.1	23.9	90.09	90.41	7.6	7.5	•	•	•	•	•	•	7.5	8.6	•	•	•	•	•	•
91	11	05/13/91	PH JC SD	PH JC SD	9.1	9.0	8.2	7.2	27.0	25.8	83.60	73.27	7.2	7.4	•	•	250.0	185.0	•	•	21.0	16.0	•	•	pt cloud	pt cloud	•	•
91	11	05/27/91	PH JC SD	PH JC SD	11.8	12.5	8.5	8.2	28.8	28.0	93.23	91.39	7.6	7.5	•	•	•	•	•	•	13.0	16.0	•	•	overcast	overcast	•	•
91	11	06/12/91	JC PH	JC PH	•	10.5	•	8.4	•	29.5	•	90.57	•	•	•	•	•	•	•	•	•	22.5	•	•	•	•	•	•
91	11	06/26/91	JC SD MP	JC SD MP	13.0	13.2	7.1	7.4	30.7	29.8	81.40	84.34	7.8	7.7	•	•	•	160.0	•	•	25.0	25.0	•	•	•	•	•	•
91	11	07/10/91	JC SD	JC SD	13.5	13.0	7.4	8.2	30.8	30.0	85.77	93.58	7.1	7.7	•	•	•	•	•	•	21.5	22.0	•	•	•	•	•	•
91	11	07/25/91	PH	PH	•	12.0	•	8.6	•	29.5	•	95.79	•	7.7	•	•	•	•	•	•	•	24.0	•	•	•	•	•	•
91	11	08/09/91	SD JC	SD JC	16.0	16.5	6.8	7.0	30.0	29.5	82.46	85.47	7.7	7.7	•	•	•	•	•	•	20.0	22.5	•	•	•	•	•	•
91	11	08/26/91	JC SD	JC SD	16.5	17.0	7.0	6.7	27.2	25.5	84.24	80.58	•	7.6	•	•		126.0	•	•	19.0	19.0	calm	calm	clear	clear	brokem PHmeter	brokem PHmeter
91	11	09/08/91	PH	PH	15.5	15.5	7.1	7.0	27.2	28.1	83.76	83.05	7.7	7.5	•	•	198.0	•	•	•	22.0	19.0	ripple	ripple	clear	clear	•	•
91	11	09/23/91	JC DM	JC DM	14.5	14.0	7.8	7.7	28.5	27.9	90.92	88.50	7.5	7.6	•	•	•	180.0	•	•	14.0	17.0	ripple	ripple	overcast	overcast	•	•
91	11	10/07/91	JC DM	JC DM	11.0	11.5	9.0	8.6	29.0	27.2	97.79	93.34	7.4	7.5	•	•	•	120.0	•	•	10.0	15.5	ripple	ripple	pticloudd	pticloudd	•	•
91	11	10/22/91	SD SG	JC SD SG	9.0	10.5	9.0	8.3	28.5	26.5	93.25	87.74	7.2	7.6	•	•	•	•	•	•	11.0	12.0	ripple	ripple	clear	clear	BOATING	BOATING
91	11	11/06/91	JC DM	PH	10.0	9.0	8.3	7.8	29.0	27.0	88.23	80.01	7.0	7.4	•	•	•	•	•	•	6.0	7.0	calm	calm	pticloudd	pticloudd	•	BOATING
92	11	04/15/92	PH JC	PH	5	4.5	11.6	11.2	26.5	24	107.98	101.23	•	•	•	•	188.0	188.0	•	•	•	13.5	•	ripple	clear	clear	ph meter broken	ph meter broken
92	11	05/13/92	SD SG	SD SG	8	7.5	9.8	10	25	24	96.96	97.14	7.0	7.4	•	•	•	•	•	•	•	•	•	calm	•	overcast	no disk	no disk
92	11	06/17/92	JC PH	JC PH	11.5	12	8.8	8.2	27	24.5	95.38	88.42	7.9	7.9	•	•	bsv	bsv	•	•	•	•	calm	ripple	clear	clear	•	no disk
92	11	06/29/92	CN DW	CN DW	13.7	14.2	10.2	8.5	31.1	31.4	118.62	99.94	7.9	8.1	3.0	3.0	bsv	bsv	•	•	19.5	20.0	calm	calm	clear	pt cloudy	strong lab outflow	strong lab outflow
92	11	07/14/92	DQ CN SQ	DQ CN SQ	14.2	14.7	7.9	5.8	30.6	31.3	94.25	68.84	7.8	7.7	1.0	5.0	bsv	475.0	•	•	14.0	16.7	calm	ripple	overcast	showers	strong lab outflow	boating
92	11	07/28/92	DQ	CN DQ	16.7	15.2	8.5	8.35	31.2	29.9	104.92	99.22	6.9	7.0	5.0	4.0	bsv	335.0	340.0	•	21.0	23.0	ripples	waves	pt cloudy	pt cloudy	boating	•
92	11	08/12/92	DQ SQ	CN	15	14.7	8.4	8.65	29	30.36	99.24	102.04	7.8	7.9	6.0	0.0	bsv	425.0	235.0	•	17.0	28.0	calm	ripples	clear	clear	•	fishing boating
92	11	08/26/92	DW CN		15.2	•	8.45	•	29.8	•	100.34	•	8.2	•	2.0	2.0	bsv	•	235.0	•	20.0	•	ripple	•	hazy	•	sailboats	•
92	11	09/10/92	CN	CN JG	15.2	14.7	8.45	8.05	30.3	31.5	100.66	95.67	8.2	8.1	21.0	7.0	bsv	445.0	285.0	•	19.0	16.0	ripple	ripple	ptcloudy	ptcloudy	boating	•
92	11	09/25/92	CN DQ	CN	13.2	11.7	8.3	8.6	31.1	30.1	95.41	95.14	8.0	8.1	2.0	3.0	bsv	370.0	180.0	•	12.0	14.0	ripple	waves	ptcloudy	clear	boating	change dock
92	11	10/11/92	JG DQ	JG DQ	12.2	12.2	7.85	7.9	31.5	30.9	88.60	88.81	7.8	7.6	8.0	1.0	bsv	495.0	230.0	•	12.0	15.0	calm	calm	overcast	overcast	boating	boating
92	11	10/25/92	JG DQ	JG AR DQ	9.7	10.2	8.55	7.9	30.3	30.3	90.67	84.72	7.6	7.7	14.0	20.0	bsv	465.0	180.0	•	6.0	6.0	ripple	ripple	overcast	overcast	boating	boating
92	11	11/09/92	JG	JG	12.7	7.7	8.9	8.5	32.1	29.2	101.91	85.51	7.8	7.9	•	0.0	bsv	500.0	230.0	•	0.0	-2.0	calm	calm	clear	clear	boating	boating
93	11	04/21/93	JG	JG	5.5	6.5	9.75	10.7	22.8	19.3	77.74	98.43	7.4	7.3	0.0	0.0	230.0	315.0	230.0	490.0	9.0	12.5	calm	ripple	pt cloudy	pt cloudy	work barge	boats at dock
93	11	05/06/93	JG	JG	9	11	9.9	7.5	23.3	22.7	99.11	78.22	7.3	7.3	0.0	0.0	180.0	280.0	180.0	520.0	13.5	22.0	calm	ripple	showers	pt cloudy	patrol boat	State Planning
93	11	05/20/93	JG	JG	9	9.5	8.5	9.1	25.8	27.2	88.50	94.52	7.5	7.4	10.0	0.0	640.0	385.0	640.0	485.0	10.0	13.5	ripple	ripple	overcast	overcast	boat at dock	barge
93	11	06/03/93	JG	JG	9.5	10	4.7	6.2	28.5	27.4	49.24	55.20	7.4	7.1	0.0	0.0	600.0	270.0	600.0	510.0	10.0	16.0	ripple	ripple	clear	pt cloudy	divers	boating
93	11	06/23/93	JG	JG	12.5	14.5	6.6	6.7	29.1	28.3	72.97	77.99	7.4	7.1	20.0	0.0	200.0	335.0	200.0	510.0	11.0	24.0	waves	waves	clear	clear	barge	windy
93	11	07/06/93	JG	JG	15.5	15.5	6	7.6	30.1	28.8	72.10	92.95	7.2	6.8	0.0	0.0	210.0	410.0	210.0	500.0	18.5	24.5	ripple	ripple	clear	clear	DO reading?	DO reading?
93	11	07/22/93	JG	JG	14.5	16.5	7.1	5.1	30.9	30.4	84.05	62.63	7.4	7.1	0.0	0.0	185.0	410.0	185.0	535.0	17.0	26.0	ripple	waves	clear	pt cloudy	muddy coliform?	boats
93	11	08/03/93	JJ JJ	JJ JJ	18	18	7.9	8.8	•	•	•	•	7.0	6.8	•	•	220.0	460.0	220.0	500.0	18.0	26.0	calm	calm	clear	clear,fog	lobstering	boats
93	11	08/19/93	JG	JG	17.5	18.5	8	4.7	32.2	32.5	101.33	60.79	7.4	6.8	10.0	0.0	180.0	450.0	180.0	550.0	18.0	23.0	calm	ripple	foggy	pt cloudy	boating	sec BOD done
93	11	09/02/93			16.5	18.5	7.9	7.9	29.3	31.2	96.34	101.35	7.9	6.8	•	•	235.0	430.0	235.0	500.0	15.0	20.0	calm	calm	clear	clear	tanker docking	dock repairs/boat painting
93	11	09/20/93	JJ JJ	JJ JJ	10	12	8.2	8.4	31.8	32.7	88.83	95.58	7.2	7.2	13.0	9.0	210.0	535.0	210.0	535.0	8.0	12.0	ripple	white caps	clear	clear	noisy background	dock repair
93	11	10/04/93	JJ JJ	JJ JJ	12	12	8	8.1	32.2	32	90.72	91.73	7.1	7.1	19.0	1.0	235.0	385.0	235.0	505.0	14.0	24.0	ripple	calm	overcast	clear	boating	boating
93	11	10/18/93			9	9.5	•	•	32.9	31.6	•	•	•	•	5.0	2.0	•	•	•	•	•	•	•	•	•	•	•	•
93	11	11/09/93	CC	CC	8	7	8.9	9.1	30.1	31	91.14	91.64	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
94	11	03/21/94	CN	CN	4.0	4.0	11.9	12.3	26.0	22.0	107.71	108.34	8.0	•	•	•	330.0	420.0	330.0	480.0	6.0	5.0	RIPPLE	RIPPLE	CLEAR	•	NONE	•
94	11	04/26/94	CN	CN	6.8	7.8	10.4	10.4	26.0	26.0	100.00	102.38	7.7	8.0	•	•	230.0	385.0	230.0	590.0	6.0	7.0	•	RIPPLE	•	SHOWERS	•	•
94	11	04/28/94	DW AP	DW	9.5	6.0	10.7	10.0	•	27.3	•	95.88	8.0	8.0	38.0	14.0	220.0	335.0	220.0	565.0	9.5	8.0	RIPPLE	•	DOWNPOUR	SHOWERS	NONE	OUTFLOW CML
94	11	05/10/94	JG AP	DW	9.0	11.0	9.3	9.0	28.0	23.9	94.77	94.59	8.1	7.9	7.0	8.0	215.0	250.0	215.0	530.0	13.5	21.0	RIPPLE	RIPPLE	PT CLOUDY	PT CLOUDY	FISHING	OUTFLOW CML
94	11	05/19/94	KC SW CN	KC CN	9.5	8.9	9.5	9.6	25.0	23.0	97.25	94.82	8.1	7.8	•	•	315.0	390.0	315.0	565.0	13.0	9.0	RIPPLE	WAVES	OVERCAST	OVERCAST	TOURISTS	NONE
94	11	05/25/94	JG AP	JJ JG	10.5	10.0	•	8.9	27.7	27.7	•	93.79	8.1	8.1	2.0	2.0	185.0	510.0	185.0	540.0	11.0	19.0	CALM	CALM	SHOWERS	OVERCAST	OIL SLICK	BOATING
94	11	06/09/94	JG AP	JG	10.5	12.0	8.2	8.4	30.2	29.4	88.83	93.50	8.1	7.9	51.0	4.0	195.0	435.0	195.0	480.0	12.0	22.0	RIPPLE	RIPPLE	CLEAR	CLEAR	BOATING	FISHING
94	11	06/23/94	JG AP	JG	12.0	13.0	8.0	8.6	30.6	30.8	89.76	98.66	8.1	7.9	TNTC	9.0	170.0	435.0	170.0	510.0	17.0	24.5	CALM	RIPPLE	CLEAR	PT CLOUDY	BOATING	BOATING
94	11	07/11/94	JG	JG	16.0	16.0	7.8	7.7	31.6	31.9	95.59	94.55	8.0	7.8	6.0	0.0	210.0	470.0	210.0	500.0	20.0	24.0	RIPPLE	RIPPLE	CLEAR	CLEAR	BOATING	BOATING
94	11	07/25/94	JG	JG	14.0	14.5	7.5	7.5	31.1	31.3	88.01	89.02	7.8	7.8	6.0	1.0	200.0	475.0	200.0	500.0	17.0	22.5	CALM	CALM	FOG/OVERCAST	PT CLOUDY	DIESEL FUELING	BOATING
94	11	08/09/94	DW AP	DW DM	16.5	17.0	7.6	8.9	34.2	33.2	95.65	112.38	8.0	7.8	0.0	1.0	200.0	455.0	200.0	510.0	15.5	25.0	CALM	RIPPLE	CLEAR	CLEAR	BOATING	BOATING
94	11	08/22/94	JG AP	JG	15.0	15.0	7.3	7.4	31.3	31.1	87.53	88.61	8.0	7.9	10.0	4.0	190.0	445.0	190.0	490.0	18.5	17.0	RIPPLE	RIPPLE	OVERCAST	OVERCAST	BOATING	BOATING
94	11	09/07/94	AP	AP JJ	14.5	15.5	7.3	7.3	31.1	33.2	86.53	89.50	8.1	8.1	4.0	1.0	195.0	427.5	195.0	545.0	11.0	20.0	RIPPLE	RIPPLE	CLEAR	PT CLOUDY	BOAT WASHING	BOATING
94	11	09/21/94	AP	AP	14	15	7	7.4	32.1	31.6	82.69	88.90	8.0	8.1	0	1	215.0	397.5	215.0	495.0	12.5	21.0	CALM	RIPPLE	PT CLOUDY	CLEAR	GULLS/BOAT WA	BOATING
94	11	10/06/94	AP	AP	11.0	12.5	6.7	7.4	31.5	30.6	74.03	83.89	8.0	7.9	4.0	0.0	185.0	282.5	185.0	530.0	6.0	13.0	RIPPLE	RIPPLE	CLEAR	PT CLOUDY	DOCK CONSTRUC	DOCK CONSTRUCTION
94	11	10/20/94	AP	AP	11.5	12.0	8.4	8.2	31.7	31.9	93.93	92.80	8.1	8.0	3.0	0.0	252.5	357.5	305.0	505.0	13.0	15.0	CALM	RIPPLE	OVERCAST	OVERCAST	CRANE BOAT PR	WINDY/CONSTRUCTION
94	11	11/07/94	AP	AP	10.5	10.5	7.7	8.0	31.5	31.5	84.15	87.43	8.0	8.0	5.0	3.0	147.5	245.0	230.0	525.0	7.0	11.0	WHITECA	WHITECAP	PT CLOUDY	CLEAR	DOCK CONSTRUC	•
95	11	04/18/95	JI AP MA DS	DS MA AP	5.5	6.0	10.5	10.2	28.8	28.0	100.50	98.27	8.0	7.9	0.0	0.0	BSV	BSV	170.0	545.0	5.5	13.0	CALM	CALM	CLEAR	CLEAR	BOATS	BOATS
95	11	05/01/95	DS JI AP	DS MA	5.5	8.0	10.1	10.5	29.4	29.8	97.08	107.30	8.0	8.0	1.0	0.0	BSV	435.0	270.0	535.0	•	5.0	RIPPLE	RIPPLE	OVERCASTE	OVERCASTE	SEAGULLS	SEAGULLS
95	11	05/15/95	JI AP	MA DS AP	10.5	8.5	9.8	9.7	29.2	29.2	105.46	99.84	8.0	8.0	5.0	1.0	BSV	500.0	220.0	580.0	8.5	10.5	CALM	RIPPLES	SHOWERS	SHOWERS	NONE	NONE
95	11	05/30/95	JMI JLI	DS MA	11.0	14.0	9.0	9.0	29.4	28.2	98.05	103.64	7.8	7.8	4.0	4.0	BSV	251.0	280.0	525.0	18.0	23.0	RIPPLE	RIPPLE	CLEAR	PT CLOUDY	SEAGULLS	BOATING
95	11	06/13/95	JI AP	DS MA	12.0	13.0	8.8	8.8	29.9	30.1	98.27	100.49	7.9	7.9	11.0	12.0	BSV	307.5	200.0	565.0	14.0	17.0	CALM	CALM	OVERCASTE	OVERCASTE	BIRDS	BOATING
95	11	06/27/95	JI AP	DS MA	14.0	15.5	8.8	8.7	30.2	29.6	102.66	104.21	7.9	7.9	3.0	0.0	BSV	305.0	280.0	410.0	14.0	17.0	RIPPLE	RIPPLE	CLEAR	CLEAR	LOBSTERING	WINDYI
95	11	07/12/95	JI JI	DS MA	13.0	14.0	8.7	8.5	30.6	32.1	99.68	100.40	7.7	7.8	2.0	4.0	BSV	467.5	220.0	570.0	15.0	25.0	CALM	CALM	HAZE	HAZE	NONE	BOATING
95	11	07/27/95	JI JI	AR AM	18.0	18.5	8.2	7.9	30.6	31.0	103.81	101.22	7.8	7.9	20.0	1.0	BSV	420.0	280.0	500.0	21.0	28.0	CALM	CALM	HAZE	HAZE	BIRD	BOAT
95	11	08/10/95	JI JI	DS MA AP	17.5	19.0	7.4	7.4	30.8	30.8	92.78	95.60	7.8	7.8	0.0	0.0	BSV	415.0	240.0	570.0	18.0	26.0	CALM	CALM	CLEAR	CLEAR	NONE	BOATING
95	11	08/28/95	DS AP	JI JI	15.0	15.5	7.4	8.1	32.0	31.9	89.11	98.47	7.6	7.8	3.0	0.0	BSV	415.0	270.0	560.0	15.0	28.0	CALM	CALM	CLEAR	CLEAR	BOATING	BOATING
95	11	09/11/95	DEB	JMM ASR	13.5	15.0	7.4	8.0	30.5	31.8	85.60	96.24	7.4	7.7	0.0	1.0	BSV	387.5	250.0	560.0	8.5	17.0	RIPPLE	RIPPLE	CLEAR	CLEAR	NONE	BOATING
95	11	09/26/95	AP CC	AP	13.5	13.5	7.6	7.8	31.4	32.0	88.44	91.13	8.0	7.9	3.0	2.0	220.0	470.0	265.0	585.0	14.0	15.0	RIPPLE	WAVES	OVERCAST	SHOWERS	NONE	NONE
95	11	10/10/95	AP	AP	13.0	13.5	7.6	7.5	31.8	30.8	87.77	86.93	•	•	3.0	0.0	BSV	390.0	280.0	575.0	7.0	17.0	RIPPLE	RIPPLE	CLEAR	CLEAR	•	•
95	11	10/26/95	AP	AP	11.0	12.0	7.4	7.7	29.6	31.0	80.73	86.62	8.0	7.9	8.0	1.0	237.5	345.0	260.0	600.0	6.0	15.0	RIPPLE	RIPPLE	PT CLOUDY	PT CLOUDY	•	•
95	11	11/09/95	AJM AP	AP	8.0	8.0	8.7	8.7	27.8	26.6	87.70	87.00	7.9	7.8	19.0	8.0	117.5	277.5	150.0	650.0	-2.0	1.5	WAVES	WAVES	PT. CLOUDY	CLEAR	NONE	NONE
96	11	04/18/96	JW JP RW D	DEB SAH	6.0	8.0	10.7	10.9	19.3	15.5	97.26	101.45	7.8	8.0	20.0	0.0	92.5	123.5	150.0	550.0	2.0	10.0	RIPPLE	WHITECAP	CLEAR	PT CLOUDY	NONE	NONE
96	11	05/06/96	JP JW JS DE		8.0	9.0	9.4	9.6	25.8	23.5	93.50	96.23	7.7	7.8	2.0	1.0	195.0	317.5	250.0	•	3.0	7.0	RIPPLE	CALM	OVERCAST	OVERCAST	LOON	NONE
96	11	05/20/96	JS RW JW JP	JS RW JW	11.0	12.0	9.4	9.5	25.1	23.0	99.56	101.46	7.8	7.9	12.0	0.0	272.5	297.0	385.0	410.0	17.0	30.0	RIPPLE	WAVES	FOG/HAZE	CLEAR	BOATING	BOATING
96	11	06/03/96	JS DE RW	JS JW RW	13.0	14.0	8.9	8.8	26.8	26.2	99.48	100.05	527.58	8.0	1.0	2.0	187.5	225.0	215.0	440.0	18.0	13.0	CALM	CALM	CLEAR	OVERCAST	BOATING, AND A	BOATING
96	11	06/17/96	JS DE	JS	15.0	16.0	8.8	9.1	29.2	28.8	104.09	109.54	7.9	8.0			BSV	BSV	150.0	470.0	17.0	25.0	CALM	RIPPLE	CLEAR	CLEAR	BOAT BEING RIN	FISHING, BOATING

Site 12 - Sewage Treatment Plant

YEAR	SITE	DATE	SAMPLER-L	SAMPLER-H	WTEMP-L	WTEMP-H	DO-L	DO-H	SAL-L	SAL-H	SAT-L	SAT-H	pH-L	pH-H	FECAL-L	FECAL-H	LP-L	LP-H	DEPTH-L	DEPTH-H	ATEMP-L	ATEMP-H	WATER-L	WATER-H	WEATHER-L	WEATHER-H	ACTIVITIES-L	ACTIVITIES-H
					oc	oC	PPM	ppm	ppt	ppt	%	%			CFU/100ML	CFU/100ML	cm	cm	cm	cm	0c	0c						
92	12	04/14/92	RD CB CY	RD	7.5	6	9.55	12.4	4.3	3.5	82.07	102.21	7.5	7.4	•	•	bsv	bsv	•	•	1.5	2.5	ripple	calm	snow shower	overcast	foam	•
92	12	05/01/92	AR CY CB	CY CD	11.5	10.5	9.1	9.1	4.1	3.9	85.83	83.79	7.5	7.3	•	•	BSV	BSV	•	•	12	19	ripple	ripple	pt cloudy	pt cloudy	gr plastic erosion	warm H2O outflow
92	12	05/15/92	AR JF	KM	14	17.5	7.75	9.7	1.6	1.5	76.21	102.67	7.5	7.3	•	•	bsv	bsv	•	•	12	15	ripple	ripple	overcast	clear	marsh hawk	swan, cormorant
92	12	06/01/92	CY AF	AF CY	16	15	6.94	9	3.8	3	72.10	91.14	7.2	7.1	•	•	20	80	•	•	8	10	calm	ripple	downpour	overcast	tp outflow	2 ducks2 ducks
92	12	06/03/92	JF RC RM	JF CB RC	22	25	6.4	8.15	9.6	5.5	77.33	101.86	6.7	7.3	•	•	bsv	65	•	•	26	32	calm	ripple	clear	clear	no htide sample	1 duck
92	12	06/15/92	KB JF	KB JF	19	23	6.5	8	3.7	4.2	71.77	95.70	7	7.1	•	•	•	•	•	•	29	22	calm	calm	clear	pt cloudy	tern, canoe, ducks	•
	12	06/30/92	JF RC RM	JF CB RC	22	25	6.4	8.2	9.6	5.5	77.3	102.5	6.7	7.3	2.0	23.0	•	85	•	•	26	32	CALM	RIPPLE	CLEAR	CLEAR	•	•
92	12	07/13/92	JF RN RC SC	RM JF CB RC	22.5	25	7.5	6.5	8.1	5.9	90.73	81.41	7.1	7	456.0	288.0	bsv	bsv	•	•	24	33	calm	ripple	overcast	pt cloudy	•	•
92	12	07/28/92	SC CS JF	RM CB JF SC	21	23.5	4.6	8.6	3.9	7.3	52.89	105.55	7.2	7.1	30.0	460.0	bsv	bsv	•	•	22	25	calm	ripple	clear	pt cloudy	foamy h2o	outflow
92	12	08/13/92	RC CB RM JF	RM JF CB RC	21	22	6.3	8.2	5.1	4.7	72.90	96.51	7.6	7.6	0.0	200.0	bsv	bsv	•	•	22	25	calm	ripple	overcast	PTCLOUD	ducks	•
92	12	08/27/92	RC SC CB JF	RC SC KC JF	22	25	8.4	8.4	3.3	4.5	98.14	104.44	7	7.2	1650.0	40.0	bsv	bsv	•	•	21	30	CALM	calm	FOG	clear	•	outflow
92	12	09/11/92	RC JF SC RM	AF JF	21	20	5.7	8	3.3	5.1	65.33	90.78	7.1	7	670.0	4670.0	bsv	bsv	•	•	20	24	•	•	overcast	•	FISHING	•
92	12	09/25/92	RC RM SC CS	RM RC SC	17	18	7.2	8.4	3.2	2.9	76.13	90.51	6.4	6	160.0	20.0	bsv	bsv	•	•	5	16	•	ripple	clear	ptcloud	•	boating
92	12	10/12/92	RC KW SC	RC SC	16	14.5	6.3	8.9	4.3	4.6	68.40	89.95	7.4	7.2	100.0	330.0	•	•	•	•	14	18	•	•	•	•	•	•
92	12	10/26/92	RC	CS	12	11	9.3	10.8	5.9	1.3	89.63	99.14	7.2	7	•	90.0	bsv	bsv	•	•	7	11	ripple	•	ptcloudy	clear	•	•
92	12	11/09/92	RC CS	RM RD MA SA	13	10	10.1	10	3.4	5.5	98.14	91.86	7	7.1	30.0	30.0	•	bsv	•	•	15	•	calm	•	clear	•	•	•
93	12	04/21/93	CB RD KB	CB RC KW	12	12	7.6	11	2.4	2.7	71.81	104.12	7.3	7.1	70.0	100.0	bsv	bsv	20	22	16	31	ripple	ripple	pt cloudy	pt cloudy	dead raccoon	dead animals
93	12	05/06/93	AS CB RM	KB CB KW	14.5	19	6.4	9.1	3.1	3.7	64.15	100.48	7.3	7.3	40.0	560.0	•	40	•	40	21	32	calm	calm	overcast	pt cloudy	humid	dead animal
93	12	05/20/93	CB RC	AS SC	17	17	5.6	9.1	3.5	3.2	59.31	96.22	•	7.1	100.0	380.0	30	75	30	75	16	18	ripple	ripple	overcast	pt cloudy	birds nesting	boating fishing
93	12	06/03/93	AS SC RC	RC KB	16.5	19	6.6	7.5	1.8	5.1	68.53	83.44	6.8	6.8	100.0	160.0	•	•	•	•	20	21	ripple	calm	clear	clear	foam	ducks
93	12	06/23/93	KB	KB FB	20	21.5	5.1	9.2	1.4	7	58.75	108.57	6.6	6.8	10.0	500.0	•	•	•	•	30	27	ripple	ripple	hhh	humid	boating	foam
93	12	07/06/93	CS RC	RC CS	26	25	7.9	10.9	16	17.8	106.30	145.54	7.3	7.4	10.0	30.0	•	•	•	•	30	36	calm	ripple	hhh	hhh	•	buggy muddy
93	12	07/22/93	KB RM	RC RN	23	23	6.2	8.1	17.7	23	101.69	107.47	6.9	7.3	10.0	80.0	•	•	•	•	20	24	calm	ripple	pt cloudy	overcast	rain yesterday	boating
93	12	08/03/93	RC	KB CS	25	26	8.3	10.4	18.5	16.1	111.26	140.02	7.2	7	130.0	600.0	•	•	•	•	28	32			clear	clear	foam	boats
93	12	08/19/93	JF SC	HP JF	22	23.5	4.7	6.8	1.8	8.8	54.49	84.13	7.1	7.3	0.0	2300.0	•	•	•	•	20	33	calm	ripple	overcast	clear	quiet	ducks,boats
93	12	09/02/93	SC HP AR	JN KF JF	23	24.5	5.1	6.4	0.9	22.5	59.98	86.97	6.9	7	0.0	60.0	•	BSV	•	•	30.5	39.5	calm	ripple	clear	clear	foam in outflow	birds
93	12	09/20/93	AR JJ	KB AF	17	16.5	6.4	7.5	25.4	20.2	76.93	86.47	7.1	7.4	80.0	800.0	bsv	bsv	bsv	bsv	16	18.5	ripple	ripple	pt cloudy	pt cloudy	muddy	crickets, birds
93	12	10/04/93	BC AR	AR JJ	17	15	7.9	9.2	3.4	1.3	83.62	92.31	7.2	7.1	•	150.0	20	90	20	90	22	22	calm	ripple		clear	windy	transformer out at stp
93	12	10/18/93	RC KB CB	KB CS	15.5	16	6.8	10	4.4	5.4	70.13	104.81	7.3	7.1	•	•	30	90	30	350	19.5	21		ripple	pt cloudy	pt cloudy	plane	pollin
93	12	11/09/93	KF SC HP	SC RC MF	13	8.5	4.5	9.4	0.3	1.9	42.98	81.62	7	7.4	•	•	bsv	•	bsv	•	11	17	calm	ripple	pt cloudy	clear	ducks/gulls	boating
94	12	04/26/94	DC KF RC	RM RC PK KF	11.5	11.0	5.1	10.6	0.7	0.6	47.19	96.92	7.4	7.0	•	•	•	•	•	•	10.0	8.0	RIPPLE	RIPPLE	OVERCAST	OVERCAST	BIRDS	BIRDS
94	12	05/10/94	DC KF HP AT	HP AF JF	14.0	15.0	5.6	10.5	1.0	0.2	54.89	104.72	6.9	7.3	10.0	30.0	•	•	•	•	21.0	20.0	RIPPLE	RIPPLE	OVERCAST	CLEAR	NONE	FOAM
94	12	05/25/94	KF RC DC SS	KF RC HP DF	15.0	10.0	8.2	8.7	1.2	0.6	82.23	77.72	6.8	6.9	20.0	160.0	6.0	6.0	6.0	6.0	13.0	11.0	CALM	RIPPLE	SHOWERS	DOWNPOUR	•	BIRDS
94	12	06/09/94	RC HP AF	DF RC HP	17.5	21.0	4.7	10.3	0.6	4.0	49.51	118.49	7.1	6.9	90.0	220.0	6.0	6.0	6.0	6.0	17.0	27.0	RIPPLE	CALM	CLEAR	CLEAR	BIRDS	BIRDS
94	12	06/23/94	SD RM	SD PC DC	19.5	23.5	3.3	4.8	1.1	3.1	36.30	57.63	7.3	7.1	0.0	590.0	6.0		6.0	•	25.0	28.0	CALM	RIPPLE	CLEAR	OVERCAST	WATER SMELLS	FOUL ODOR
94	12	07/11/94	CS KF RM SD	CS PC SD	22.0	27.0	4.1	7.3	0.3	8.3	47.16	95.95	7.1	7.6	10.0	100.0	5.0	5.0	5.0	5.0	24.0	30.5	CALM	CALM	CLEAR	CLEAR	NONE	NONE
94	12	07/25/94	CS JN	JN CS	24.0	28.0	3.6	6.6	1.9	11.4	43.38	89.72	6.9	7.4	1690.0	1.0	•	•	•	•	26.0	33.0		RIPPLE		PT CLOUDY	•	SWANS/DUCKS
94	12	08/09/94	PC KF SD	KF MD SD	22.5	25.5	6.9	9.3	7.0	12.0	82.98	121.37	7.1	7.8	•	•	•	•	•	•	22.0	29.0	CALM	CALM	CLEAR	CLEAR	FOAM ON OUTFLOW	BREEZY
94	12	08/22/94	KF DC CS	RM AR	22.0	20.5	7.7	8.0	1.4	2.3	89.08	90.32	7.4	7.4	•	•	•	10.0	•	10.0	19.0	17.0	CALM	RIPPLE	SHOWERS	SHOWERS	•	CROWS/BLUEJAYS
94	12	09/07/94	AR JJ	AF PC DF DC	21.0	20.0	5.3	8.0	1.4	2.4	59.67	89.49	7.2	7.6	0.0	0.0	•	•	•	•	18.0	25.0	CALM	RIPPLE	PT CLOUDY	PT CLOUDY	MOSQUITOS	•
94	12	09/21/94	JN PC DC CS	RM HP SD	20.5	21.0	4.9	8.9	1.1	2.4	54.97	101.62	6.9	7.0	•	•	•	•	•	•	18.0	24.0	CALM	RIPPLE	CLEAR	CLEAR	•	GULLS
94	12	10/06/94	MG SS KR SD	KF DC SS	17.0	14.0	16.5	9.1	0.6	2.4	172.03	89.89	7.1	7.1	•	•	•	•	•	•	13.0	14.0	CALM	RIPPLE	•	•	PIPE FLOWING FRO	BIRDS, FOLIAGE
94	12	10/20/94	SS RL BB	RL SS SD	16.0	13.0	7.0	10.0	0.0	0.0	71.24	95.35	7.1	7.1	•	•	•	•	•	•	16.0	15.0	•	CALM	•	OVERCAST	•	FALLEN LEAVES ON
94	12	11/07/94	SS AF		16.0	•	•	•	0.0	•	•	•	7.3	•	•	•	0.5	•	0.5	•	10.0	•	RIPPLE	•	CLEAR	•	SWANS (3)	•
95	12	04/18/95	AF AP	AP	11.5	11.0	4.4	10.9	9.5	0.0	42.32	99.33	7.2	7.4	•	6.0	•	•	3.0	45.0	19.0	18.0	RIPPLE	RIPPLE	CLEAR	CLEAR	SEWER DISCHARGE	•
95	12	05/01/95	AF KF	AF JF	13.0	13.0	4.6	9.7	0.5	0.0	43.98	92.49	7.3	7.3	NV	33.0	•	•	•	65.0	9.5	12.0	CALM	RIPPLE	OVERCASTE	PT CLOUDY	SEWER DISCHARGE	•
95	12	05/15/95	AF AR	PC AF SS	14.5	13.0	4.1	9.7	0.0	0.8	40.40	92.88	6.9	7.0	0.0	0.0	•	•	•	•	•	10.0	WHT CAP	RIPPLE	SHOWERS	SHOWERS	SEWAGE DISCHARG	•
95	12	05/30/95	AF KF	AF OP	18.0	17.0	4.4	8.0	0.3	1.0	46.76	83.59	•	•	•	190.0	BSV	45.0	3.0	60.0	22.0	25.0	RIPPLE	RIPPLE	BREEZY	PT CLOUDY	BIRDS	NONE
95	12	06/13/95	AF AC	AC AF	19.0	19.5	8.0	8.7	0.6	1.2	86.89	95.74	6.9	7.1	0.0	570.0	•	•	•	90.0	19.5	16.0	CALM	CALM	OVERCAST	SHOWERS	OUTFLOW DISCHAR	POLLEN SEEN ON W
95	12	06/27/95	AF AC	AF AC JO	21.0	24.0	4.0	7.9	0.0	3.8	45.06	96.09	7.1	7.6	470.0	TNTC	•	BSV	•	50.0	21.0	22.0	RIPPLE	•	CLEAR	CLEAR	•	•
95	12	07/12/95	AF	AF AC JAM	22.0	25.0	5.2	6.7	0.8	8.9	59.97	85.24	7.3	6.9	1.0	650.0	BSV	70.0	5.0	95.0	18.5	26.0	CALM	CALM	CLEAR	CLEAR	NONE	NONE
95	12	07/27/95	OP AF	AF	23.5	29.0	1.9	3.7	1.2	7.4	22.59	50.12	6.9	6.4	50.0	TNTC	•	•	•	50.0	26.0	34.0	CALM	CALM	PT CLOUDY	CLEAR	NONE	NONE
95	12	08/10/95	AF OP	AF OP	23.0	26.5	3.4	7.8	1.6	3.2	40.13	98.97	6.9	6.9	10.0	NV	•	•	<5.0	90.0	21.0	31.0	CALM	CALM	CLEAR	CLEAR	NONE	NONE
95	12	08/28/95	JMM JAM	JMM AF	21.5	22.0	3.8	6.0	0.8	16.8	43.40	75.44	7.2	7.3	0.0	80.0	BSV	62.5	•	90.0	21.5	24.0	CALM	RIPPLE	CLEAR	CLEAR	FISHING	NONE
95	12	09/11/95	AF JM	JF	19.5	20.0	4.4	11.7	0.6	22.2	48.27	146.18	7.1	7.4	10.0	10.0	BSV	BSV	<5.0	50.0	16.0	24.0	CALM	RIPPLE	CLEAR	CLEAR	NONE	•
95	12	09/26/95	AF JM	AM AF	18.5	15.5	4.6	6.4	0.5	23.5	49.43	73.78	7.4	7.3	0.0	70.0	BSV	BSV	10.0	50.0	15.0	14.0	CALM	RIPPLE	SHOWERS	OVERCAST	NONE	NONE
95	12	10/10/95		AF AC	•	16.5	•	9.3	•	1.5	•	96.41	•	7.3	NA	40.0	•	92.5	•	100.0	•	22.0	•	RIPPLE	•	CLEAR	•	•
95	12	10/26/95	AF GC DB	AF AC	16.0	13.0	5.5	9.6	0.0	0.4	55.97	91.74	6.9	6.9	0.0	30.0	•	50.0	•	65.0	12.0	13.5	CALM	RIPPLE	OVERCASTE	CLEAR	SEWAGE DISCHARG	GULLS
95	12	11/09/95	AF RP	AC	14.0	6.0	6.4	11.6	0.0	0.0	62.39	93.69	7.1	7.2	0.0	160.0	BSV	55.0	10.0	70.0	4.0	-2.0	RIPPLE	RIPPLE	PT CLOUDY	CLEAR	NONE	WIND
96	12	04/18/96	JD AR AF	JD AF OPF	7.0	9.0	11.9	12.5	0.5	0.0	98.83	108.68	7.3	6.9	50.0	50.0	60.0	82.5	65.0	90.0	18.0		RIPPLE	CALM	CLEAR	PT CLOUDY	NONE	NONE
96	12	05/06/96	JF EC KM ED	DP EC KF	13.0	12.0	7.2	10.0	0.6	0.0	68.88	93.24	7.0	6.9	40.0	40.0	BSV	BSV	5.0	5.0	12.0	12.0	RIPPLE	CALM	SHOWERS	OVERCAST	NONE	NONE
96	12	05/20/96	DB AM	JM AC	16.0	18.0	5.2	9.3	0.0	0.0	52.92	98.67	6.6	7.3	100.0	110.0	BSV	BSV	5.0	90.0	26.0	29.0	CALM	CALM	CLEAR	CLEAR	NONE	NONE
96	12	06/03/96	DB RB EB	KF DB	18.0	18.0	4.5	8.9	0.0	0.5	47.74	94.68	6.9	7.1	3.0		BSV	BSV	10.0	95.0	27.0	18.0	RIPPLE	RIPPLE	OVERCAST	DRIZZLE	NONE	NONE
96	12	06/17/96	AC DB	SH AM	20.0	26.0	2.8	7.6	0.6	1.8	31.03	94.90	6.8	7.5			BSV	BSV	5.0	75.0	29.0	31.0	CALM	RIPPLE	CLEAR	CLEAR	BIRDS, BUGS,SMEL	SMELL

Site 13 - Marina Falls Landing

YEAR	SITE	DATE	SAMPLER-L	SAMPLER-H	WTEMP-L	WTEMP-H	DO-L	DO-H	SAL-L	SAL-H	SAT-L	SAT-H	pH-L	pH-H	FECAL-L	FECAL-H	LP-L	LP-H	DEPTH-L	DEPTH-H	ATEMP-L	ATEMP-H	WATER-L	WATER-H	WEATHER-L	WEATHER-H	ACTIVITIES-L	ACTIVITIES-H
					oC	oC	ppm	ppm	ppt	ppt	%	%			CFU/100ML	CFU/100ML		cm				0c						
92	13	04/17/92	BD AF KB	KB	7	7	12.15	12.4	1.6	1.6	101.55	103.63	7.3	7.3			bsv	bsv	•	•	1.5	2.5	ripple	ripple	snow	rain	snow plow	scattered foam
92	13	05/01/92	RC RD	RC RD	11	14	10.75	10.55	1.5	1.7	98.70	103.81	7.1	7.5	•	•	bsv	220	•	•	15	21	calm	calm	pt cloudy	clear	•	foamy h2o
92	13	05/15/92	CB		6	16	9.8	9.9	1.7	0.5	79.93	101.03	7.5	7.4	•	•	bsv	165	•	•	13	16	ripple	ripple	pt cloudy	clear	ducks	construction
92	13	06/01/92	CY SC	CY SC	16.5	16	8.8	9.2	5.3	2.6	93.14	94.96	6.9	7.1	•	•	bsv	120	•	•	10.5	11	waves	calm	downpour	overcast	•	ducks
92	13	06/15/92	RC AF KC	RC	21	21.8	7.5	8.25	3.9	2.1	88.23	94.88	7.1	7.3	•	•	90	120	•	•	22.5	27	ripple	ripple	pt cloudy	pt cloudy	fishing, boating	fishing, boating
92	13	06/30/92	JF CS	JF RC RM	22	24	7.6	7.12	5.2	2	88.51	85.80	6.9	7.3	70.0	70.0	100	135	•	•	26	•	ripple	ripple	clear haze	pt cloudy	no htide sample	
92	13	07/13/92	JF RM RC SC	RM JF CB RC	23	25	7.35	7.4	4.7	2	88.16	90.83	7.3	7.3	590.0	480.0	100	70	•	•	24	31	calm	ripple	fog	clear	oil on H@O	boating
92	13	07/28/92	SC CS JF	RM RC JF SC	21	23	7.2	8.2	5.1	4.5	83.31	98.25	7	7.1	670.0	290.0	120	90	•	•	22	27	calm	ripple	clear	pt cloudy	br on H2O	boating
92	13	08/13/92	RC KC CB RM JF	KC JF RC RM	21	22	12.2	5.4	2.6	2.6	139.31	62.86	7.6	7.5	0.0	100.0	130	140	•	•	19.5	21	ripple	ripple	overcast	ptcloudy	boating	•
92	13	08/27/92	RC SC KC CB JF	RC SC KC JF	22	24	10.1	8.4	6.6	3.5	120.08	102.01	6.7	7.2	80.0	40.0	bsv	170	•	•	22	29	calm	calm	hazy	clear	•	foam on h2o
92	13	09/11/92	RC JF SC RM	CB	18.5	19.5	9	8.3	4.1	5.9	98.59	93.66	7	7	720.0	390.0	bsv	215	•	•	20	24	ripple	•	overcast	•	fishing	
92	13	09/25/92	RM RC SC CB	SC RM RC CS	14	18	8.5	9.1	7.6	1.6	86.39	97.37	5.7	6.6	130.0	160.0	30	170	•	•	5	16	•	•	clear	•	swans geese	birds
92	13	10/12/92	RM CS	KW RC	12	15	8.5	11.5	5.8	1.7	81.88	115.63	7.1	7.3	260.0	230.0	bsv	160	•	•	19	21	ripple	•	overcast	ptcloud	boating	boating
92	13	10/26/92	RC CS SC	CS	8	9	12.6	10.9	4.3	0	109.62	94.77	6.9	7.1	70.0	60.0	125	140	•	•	8	11	•	ripple	ptcloudy	clear	•	swans
92	13	11/09/92	AR RM	AR RM	3	4	13.8	12.5	0.1	4.7	103.16	98.61	7.3	7.3	30.0	60.0	145	95	•	•	-2	9	calm	calm	clear	clear	docks gone	boats gone
93	13	04/21/93	RC KW KB CB	CB SC	13	12	11.1	10.75	1	2.8	106.43	101.81	•	•	70.0	90.0	•	•	•	•	0.8	25	ripple	•	overcast	pt cloudy	NO DOCKS IN	people
93	13	05/06/93	KB CB	KB KW AS	18.0	•	8.9	8.2	2.4	3.4	95.64	•	7.6	7.0	160.0	47.0	•	•	•	•	21.0	26.0	calm	calm	overcast	clear, pt cloudy	birds	ducks,geese
93	13	05/20/93	SC RC CB	RC AS	16.5	16	8.9	9.2	1.9	1.8	92.47	79.31	•	•	350.0	160.0	•	•	•	•	11.0	15.0	ripple	ripple	overcast	overcast	swans cormorants	fish, birds,boats
93	13	06/03/93	CB SC RC AS	CB RC	16.5	17.5	8.8	9.1	0.8	2.2	89.95	96.68	7	7.1	280.0	230.0	105	120	115.0	310.0	21.0	28.0	•	ripple	•	clear	oil sheen, brown h2o	geese
93	13	06/23/93	CS AS	JF KD AS	25	23.5	8.5	7.4	8.2	4.7	107.75	89.59	7.3	6.9	1700.0	430.0	40	80	60.0	330.0	30.0	26.0	ripple	ripple	clear	clear	cranes swans	boating
93	13	07/06/93	CS RC	RC CS	25.5	26	7.4	8.4	5.7	3.2	94.68	92.44	7.3	7.4	800.0	1100.0	100	80	170.0	310.0	30.0	35.0	ripple	ripple	clear	clear	boating	boats
93	13	07/22/93	CS	KB CS	22.5	22	8.9	7.5	9.9	4.5	108.72	88.18	7.1	7.5	1500.0	1600.0	120	120	170.0	320.0	28.0	27.0	ripple	ripple	pt cloudy	overcast	busy	brown green h2o
93	13	08/03/93	RC RM	RC CS	25	24.5	8.9	8.1	6.1	5.4	111.00	103.03	7.6	7.1	500.0	220.0	130	90	160.0	315.0	27.0	32.0	•	calm	clear	•	boating	boating
93	13	08/19/93	KB AS	JF RC	22	24	6.6	7.25	8.4	7.4	79.23	89.86	7.3	7.4	900.0	320.0	95	120	95.0	370.0	27.0	27.5	calm	calm	overcast	clear	midges	10 boats
93	13	09/02/93	RM HP CS	CS HP	23.5	25	7.4	7	14.2	8.8	94.27	89.01	7.5	7.3	510.0	280.0	180	180	180.0	320.0	28.5	39.5	calm	ripple	clear	clear	DES split	swans,
93	13	09/20/93	KB JN	MS JN RM	18	18	8.1	8.1	9.9	13.8	90.69	89.03	7.3	7	430.0	400.0	120	60	120.0	355.0	17.0	15.0	ripple	calm	pt cloudy	pt cloudy	geese	boating
93	13	10/04/93	AR BC	JJ AR	15	14	9.6	9.8	1.3	2.7	96.32	96.96	7.3	7.2	•	130.0	190	195	190.0	320.0	22.0	21.0	ripple	•	clear	•	cormorants	ducks
93	13	10/18/93	KE JN AR CB	KB CS	11.5	13	9.9	10.8	3.9	1.1	93.27	105.92	7.3	7.3	•	•	110	130	180.0	370.0	20.0	19.0	calm	waves	pt cloudy	clear	Birds!	pollen, boats
93	13	11/09/93	JF HP KF	SC RC MF	6	6	12.5	12	3.2	1.9	102.86	97.99	6.8	7	•	•	bsv	130	bsv	130.0	16.0	10.0	calm	calm	•	clear	docks removed	ducks/geese
94	13	04/28/94	RM PC SD	SD KB JN DC	11.0	11.0	11.4	10.8	0.7	0.0	104.29	98.42	7.4	6.9	•	•	112.0	287.5	112.0	350.0	10.5	10.0	RIPPLE	RIPPLE	OVERCAST	OVERCAST	BIRDS	BIRDS
94	13	05/10/94	SS AF	SS MT SC	12.5	14.5	10.5	9.7	1.2	0.0	99.66	95.59	7.0	7.1	150.0	100.0	130.0	155.0	130.0	320.0	15.0	20.0	RIPPLE	RIPPLE	PT CLOUDY	CLEAR	SWANS	FOAM/SWANS
94	13	05/25/94	DF AF SD	PC AF HP SD	17.5	17.5	9.6	9.0	1.6	0.0	101.67	94.50	7.3	6.9	160.0	70.0	105.0	75.0	105.0	355.0	13.0	16.0	RIPPLE	CALM	SHOWERS	DOWNPOUR	BIRDS	NONE
94	13	06/09/94	CS DF SD	DC KF SD AF	20.0	21.0	8.0	7.5	5.1	1.6	90.22	85.19	7.6	7.4	290.0	160.0	100.0	140.0	100.0	295.0	26.0	29.0	CALM	RIPPLE	CLEAR	CLEAR	DUCKS	SWANS
94	13	06/23/94	JF RM SD	SD PC KF SS	22.5	25.5	7.2	8.0	4.2	2.4	85.32	99.29	7.4	7.1	400.0	320.0	90.0	100.0	90.0	340.0	25.0	28.0	CALM	CALM	CLEAR	CLEAR	BIRDS	SWANS
94	13	07/11/94	DC AF JN	KF DC AF	25.0	26.5	7.0	7.3	8.9	8.0	89.06	94.95	7.9	7.1	360.0	250.0	100.0	112.5	100.0	330.0	25.0	26.5	RIPPLE	CALM	CLEAR	CLEAR	WATER MURKY, GREEN	SWANS
94	13	07/25/94	CS JN	CS RM PC	26.0	28.0	6.1	7.0	1.4	3.2	78.02	91.22	7.5	•	18.0	0.0	105.0	90.0	105.0	345.0	27.0	34.0	CALM	RIPPLE	OVERCAST	PT CLOUDY	DEAD FISH	•
94	13	08/09/94	PC SD	KF MD SD	23.0	25.0	7.5	7.8	7.1	0.8	91.10	95.16	7.4	7.4	•	•	82.0	90.0	100.0	300.0	26.0	30.0	CALM	RIPPLE	CLEAR	CLEAR	DUCKS	BOAT PAINTING(INSIDE
94	13	08/22/94	KF DC CS	AF CS	21.0	21.0	7.5	8.0	5.3	2.1	86.87	91.11	7.6	7.3	•	•	120.0	160.0	120.0	335.0	19.0	20.0	RIPPLE	CALM	OVERCAST	SHOWERS	BIRDS	•
94	13	09/07/94	AR JJ	CS DF	18.0	19.0	8.8	8.0	6.1	2.1	94.20	87.58	7.6	7.3	0.0	0.0	130.0	160.0	130.0	350.0	16.0	24.0	CALM	RIPPLE	OVERCAST	CLEAR	BOATS/GEESE	SWAN/DUCKS
94	13	09/21/94	KF HP SS	DF HP SD	19.5	19.5	7.8	10.0	10.1	1.9	90.06	110.45	7.5	7.6	•	•	115.0	192.5	120.0	320.0	21.0	27.0	CALM	RIPPLE	CLEAR	CLEAR .	BIRDS	VERY QUIET
94	13	10/06/94	BL JN RL BC AF	BL RL RG AF J	12.0	13.0	11.1	9.4	2.4	1.9	104.89	90.58	6.7	7.1	•	•	•	152.5	•	340.0	9.0	18.0	CALM	RIPPLE	CLEAR	PT CLOUDY	•	•
94	13	10/20/94	AF RG	RL SS AF	10.5	12.0	10.7	10.8	5.8	0.0	99.60	100.70	6.9	6.9	•	•	147.5	120.0	155.0	350.0	17.0	14.0	CALM	RIPPLE	SHOWERS	OVERCAST	FOG AND BIRDS	GEESE AND OTHER BIR
94	13	11/07/94	RL HH SD		11.0	•	9.8	•	4.8	•	91.76	•	7.0	•	•	•	•	•	•	•	10.0	•	CALM	•	CLEAR	•	WINDY	GEESE AND DUCKS
95	13	04/18/95	BS DB MA	BS MA	11.0	9.0	11.1	11.5	1.4	0.5	101.95	100.27	7.7	7.5	0.0	19.0	BSV	202.5	120.0	335.0	15.0	12.0	WAVES	RIPPLES	CLEAR	CLEAR	BIRDS	BIRDS
95	13	05/01/95	DB BS	DB BS	12.0	11.0	10.4	10.4	3.3	0.6	98.77	95.09	7.4	7.8	30.0	•	BSV	145.0	115.0	310.0	12.5	19.0	RIPPLE	RIPPLE	OVERCAST	CLEAR	BOATS AND BIRDS	BOATS AND BIRDS
95	13	05/15/95	BS JM	BS DB	12.0	13.0	9.6	10.2	1.3	0.4	90.16	97.48	7.7	8.1	0.0	0.0	97.5	142.5	100.0	340.0	11.0	10.0	RIPPLE	RIPPLE	SHOWERS	SHOWERS	BOATS DUCKS SWAN	BOATS AND BIRDS
95	13	05/30/95	BS AA MM	BS MM	18.0	19.0	8.7	8.3	1.3	1.2	92.94	90.44	7.6	7.2	125.0	110.0	BSV	120.0	115.0	300.0	21.0	24.5	RIPPLE	RIPPLE	OVERCAST	OVERCAST	BOATS AND BIRDS	BIRDS POLLEN IN WATE
95	13	06/13/95	BS MM	BS JM	20.0	19.0	7.3	7.8	6.8	3.2	83.60	85.90	7.5	7.6	0.0	230.0	BSV	117.5	95.0	335.0	21.5	18.0	RIPPLE	CALM	OVERCASTE	SHOWERS	BIRDS	NONE
95	13	06/27/95	BS MM	BS MM	22.0	25.0	7.5	7.6	7.2	3.6	89.46	94.06	7.1	6.9	950.0	630.0	112.5	105.0	120.0	295.0	19.5	23.0	RIPPLE	RIPPLE	CLEAR	CLEAR	SWANS	NONE
95	13	07/12/95	BS JM	BS DB	21.5	25.5	5.8	6.6	7.6	6.2	68.67	83.54	7.5	7.4	230.0	640.0	BSV	87.5	85.0	330.0	21.0	26.5	CALM	CALM	OVERCAST	CLEAR	BOATING	BOATING
95	13	07/27/95	BS DB	BS DB	26.5	29.0	6.4	7.1	4.0	2.2	81.54	93.68	7.2	7.7	220.0	130.0	BSV	115.0	125.0	300.0	26.0	35.0	CALM	RIPPLE	CLEAR	CLEAR	BOATING	•
95	13	08/10/95	BS MM	BS	22.0	25.0	7.2	7.5	2.5	1.7	83.77	91.92	7.8	7.6	NV	NV	BSV	132.5	95.0	330.0	22.0	31.0	RIPPLE	RIPPLE	CLEAR	CLEAR	BOATING	BOATING
95	13	08/28/95	BS	BS AR	21.5	22.5	7.6	7.6	4.2	9.4	88.36	92.59	7.4	7.4	440.0	400.0	BSV	100.0	105.0	325.0	22.0	22.0	RIPPLE	RIPPLE	CLEAR	CLEAR	BOATING	BOATING
95	13	09/11/95	JJ JJ	JF	17.0	20.0	8.1	11.7	11.6	7.6	89.73	134.58	6.9	7.0	360.0	120.0	•	80.0	50.0	295.0	15.0	23.0	CALM	RIPPLE	CLEAR	CLEAR	BIRDS, SWAINS, GEESE,	DUCKS UPSTREAM, PU
95	13	09/28/95	JJ JJ MM MY	MM JJ SB	16.0	15.5	5.3	9.3	29.2	28.0	63.96	110.27	7.8	8.2	500.0	TNTC	67.5	77.5	110.0	255.0	15.0	12.0	CALM	CALM	SHOWERS	OVERCAST	BIRDS	BIRDS
95	13	10/10/95	MM JM	MM SB	14.0	15.0	8.8	9.2	4.4	2.4	87.89	92.86	7.4	7.1	110.0	50.0	BSV	137.5	115.0	340.0	15.0	18.0	CALM	RIPPLE	CLEAR	CLEAR	BIRDS	BIRDS
95	13	10/26/95	DB GC	•	12.0	•	10.6	•	5.9	•	102.16	•	7.4	•	30.0	•	115.0	•	145.0	•	10.0	•	CALM	•	CLEAR	•	•	•
95	13	11/09/95	MM DB	MM DB	6.5	5.0	12.3	12.9	2.2	0.0	101.87	101.57	7.5	7.1	180.0	80.0	BSV	107.5	110.0	310.0	2.5	1.0	RIPPLE	RIPPLE	CLEAR	CLEAR	FOAM	FOAM
96	13	04/18/96	MY SL ML	ML SB MY	6.0	7.0	12.4	12.0	0.0	1.7	100.15	100.35	7.3	7.5	50.0	0.0	57.5	85.0	220.0	325.0	6.0	14.0	•	RIPPLE	CLEAR	CLEAR	NONE	POWER SWEEPER GEN
96	13	05/06/96	ML MM MY	SB MY MM	12.0	12.5	10.8	10.5	0.6	0.0	101.03	99.00	7.1	7.0	40.0	40.0	BSV	182.5	170.0	330.0	6.0		RIPPLE	RIPPLE	SHOWERS	CLEAR	LOTSA BIRDS	LOTSA BIRDS
96	13	05/20/96	MM ML	SB MM	18.0	17.5	9.3	8.9	3.2	0.8	96.30	93.85	7.4	7.4	110.0	60.0	BSV	145.0	165.0	340.0	26.0	34.0	RIPPLE	CALM	PT. CLOUDY	CLEAR	LOTSA BIRDS	LOTSA BIRDS
96	13	06/03/96	GA MY	GA MY SB	18.5	18.0	8.0	9.1	2.8	0.0	96.81	96.55	7.0	7.0	240.0	91.0	BSV	175.0	100.0	235.0	26.0	17.0	CALM	RIPPLE	PT CLOUDY	SHOWERS	FEW BIRDS	FEW BIRDS
96	13	06/17/96	MM	SB MM	24.0	24.0	7.2	7.8	4.2	1.4	87.76	93.70	7.3	7.2			BSV	140.0	120.0	315.0	27.0	23.0	CALM	CALM	CLEAR	PT CLOUDY	NONE	NONE

Site 14 - Fowler's Dam

YEAR	SITE	DATE	SAMPLER-L	SAMPLER-H	WTEMP-L	WTEMP-H	DO-L	DO-H	SAL-L	SAL-H	SAT-L	SAT-H	pH-L	pH-H	FECAL-L	FECAL-H	LP-L	LP-H	DEPTH-L	DEPTH-H	ATEMP-L	ATEMP-H	WATER-L	WATER-H	WEATHER-L	WEATHER-H	ACTIVITIES-L	ACTIVITIES-H
					oC	oC	ppm	ppm	ppt	ppt	%	%			CFU/100ML	CFU/100ML	cm	cm	cm	cm	0c	0c						
92	14	04/17/92	AF RC	CB CB LI	6.5	5.8	11.8	11.8	2.2	3	97.73	95.75	7	7	•	•	240	240	•	•	3	2.5	calm	calm	sleet	overcast	•	gas.oil on h2o
92	14	05/01/92	KM SC KB	SC KM	11.5	14	10.5	9.9	3.3	2.8	98.58	98.00	7.5	7.3	•	•	190	250	•	•	18	20	ripple	ripples	pt cloudy	clear	muskrat	•
92	14	05/15/92	KB AF	KB AF	17	19	8.7	9.2	2.8	1.8	91.79	100.56	7.3	7.3	•	•	240	235	•	•	14	17	ripple	ripple	pt cloudy	clear	swan	•
92	14	06/01/92	KM	KM	16	16	8.6	8.7	2.8	2.8	88.86	89.89	7.3	7.2	•	•	180	150	•	•	11	10	calm	calm	downpour	drizzle	•	•
92	14	06/15/92	KB AF JF	KC AF JF	21	24	6.5	7.1	0.3	3.2	73.34	88.09	6.7	6.9	•	•	105	150	•	•	23	20	ripple	calm	overcast	pt cloudy	ducks,pollen	pollen
92	14	06/30/92	JF RC RM	JF CS	22	25	8	7.75	3.5	3.7	93.57	95.98	7.3	6.9	18.0	133.0	100	125	•	•	21	30	calm	calm	clear	overcast	no htide sample	ducks
92	14	07/13/92	JF RM RC SC	RM JF CD RC SC	24	26	6.9	7.9	3.2	5.7	83.66	100.64	7.4	7.5	24.0	78.0	170	130	•	•	25	28	calm	ripple	overcast	clear	•	•
92	14	07/28/92	SC CS JF	RM JF RC SC CB	22	24.5	•	7.6	3.3	3.2	•	93.00	7.3	7.3	0.0	30.0	110	120	•	•	19	•	ripple	ripples	clear	pt cloudy	•	beach swimming
92	14	08/13/92	RC KC CB RM JF	KC JF RC RM	21	23	6.9	8.7	4.3	4.1	79.50	104.02	7.3	7.7	0.0	0.0	205	180	•	•	21	24	calm	calm	overcast	ptcloudy	green algae	green algae foam
92	14	08/27/92	RC CB KC SC RM JF	RC SC KC JF	24	25	•	7.45	3.2	3.8	•	92.30	7.5	7.4	30.0	30.0	210	190	•	•	22	27	calm	•	hazy	•	buggy	swimmers
92	14	09/11/92	RC JF SC RM CS	•	20	22	8.3	8.3	3.2	2.6	93.24	96.62	7.3	7.4	10.0	10.0	210	300	•	•	20	24	ripple	•	overcast	ptcloudy	fishing	fishing
92	14	09/25/92	RM RC SC CS	RM RC	16	19	5.9	9.8	2.5	2.6	60.86	107.58	6.2	7	50.0	10.0	210	210	•	•	10	16	calm	ripple	clear	ptcloudy	•	•
92	14	10/12/92	•	•	14	15	8.5	•	3.5	3	84.47	•	7.3	7.2	100.0	130.0	125	150	•	•	19	20	•	•	•	•	•	•
92	14	10/26/92	RC	RM RC LP	8	9	11.5	11	5	0.7	100.46	96.02	7.1	7.4	30.0	840.0	150	140	•	•	6	16	calm	ripple	ptcloudy	clear	•	swans
92	14	11/09/92	RM AR EW	RM AR	4	4.5	9.6	10.7	2.8	1.4	74.87	83.83	7.5	7.3	60.0	60.0	135	150	•	•	-2.5	4.5	ripple	ripple	clear	clear	geese ducks swans	Construction
93	14	04/23/93	AS RC	CB CB	14	13	10.6	10.1	1	0.3	103.90	96.47	7.5	7.1	60.0	80.0	210	200	370	280	20	31	calm	calm	pt cloudy	clear	•	•
93	14	05/06/93	RC CB	SC RC CB	18	18	9.5	9.8	3.4	2.3	102.64	108.48	7	6.9	11.0	420.0	165	190	380	370	25	22	calm	ripple	pt cloudy	clear	flies	quiet
93	14	05/20/93	RC	RC KW AS	15.5	17	8.5	8	3.1	1.9	87.04	83.99	7.6	7.6	50.0	340.0	205	120	325	310	15	18	ripple	calm	overcast	overcast	birds	boating
93	14	06/03/93	SC RC CB AS	RC SC	15.5	18.5	8.8	8.6	2.1	2.1	89.62	93.20	7.5	7.2	10.0	20.0	185	155	300	300	17	21	calm	calm	clear	pt cloudy	feces on dock	•
93	14	06/23/93	JF HP	HP AS	21.5	22.5	7.1	8.5	3.2	2.2	82.11	99.68	7.5	7.2	10.0	90.0	140	17	350	290	30	25	ripple	calm	clear	clear	fish,ducks	swimming
93	14	07/06/93	CS RC	RC CS	25	25	7.2	8.9	2.7	1.8	88.70	109.13	7.3	7.3	10.0	30.0	180	170	330	240	30	36	calm	calm	clear	clear	hhh	hhh
93	14	07/22/93	CS	RC	25	23.5	7.8	7.5	1	2.1	95.26	89.58	7.2	7.3	0.0	10.0	150	150	360	320	23	27	ripple	ripple	pt cloudy	pt cloudy	busy	debris in h2o
93	14	08/03/93	AS	CS AS	24.5	27	7	8.1	2.7	3.2	85.44	103.71	7.4	7.2	40.0	10.0	190	170	280	290	34	32	calm	ripple	clear	pt cloudy	busy	hot
93	14	08/19/93	HP KB	JF HP	21	24.5	6.1	6.9	1.3	2.3	69.18	84.04	6.9	6.9	•	18.0	330	230	405	350	20	27.5	ripple	ripple	hazy	clear	DES split	•
93	14	09/02/93	SC HP	CS JF	22.5	25.5	7.4	7.5	0.8	1.3	86.06	92.57	7.2	7.7	100.0	200.0	210	225	290	285	25.5	31	oily	ripple	clear	clear	DES split	•
93	14	09/20/93	KB JN RC	KB JN HP RM	19	15	7.2	8.2	0.9	0.3	78.33	81.63	7.3	7.1	30.0	30.0	220	180	310	250	16	18.5	ripple	calm	pt cloudy	cloudy	pollen	fish jumping
93	14	10/04/93	AR BC	BC MA MA	13.5	14.5	8.8	9.4	0.3	0	84.98	92.63	7.1	7.1	•	0.0	220	230	320	335	21	20	ripple	ripple	clear	pt cloudy	ducks	heron
93	14	10/18/93	AR KR RM JN	KB CS	11	15	10.7	10.1	1.3	1.3	98.22	101.34	7.2	6.9	•	•	120	90	320	350	18.5	21	ripple	ripple	clear	clear	none	quiet
93	14	11/09/93	KF SC HP	CB RC	6.5	9.5	12	12.8	0.5	0.5	98.41	112.93	7	7.1	•	•	190	210	350	300	13	9	calm	calm	pt cloudy	clear	ducks	none
94	14	04/26/94	JN PC SD	SD DC KB	10.0	10.5	9.4	3.3	0.8	0.7	84.06	29.84	7.5	6.9	•	•	290.0	265.0	360.0	505.0	8.0	10.0	RIPPLE	CALM	OVERCAST	OVERCAST	•	BIRDS
94	14	05/10/94	AF SS SD	HP AF	13.0	16.0	8.9	9.3	0.0	0.0	84.87	94.65	7.1	6.9	160.0	40.0	•	150.0	•	175.0	16.0	19.5	RIPPLE	RIPPLE	PT CLOUDY	PT CLOUDY	•	FISHING
94	14	05/25/94	AF DF HP SD	PC HP DF HP	18.0	18.0	8.2	8.2	0.0	0.6	87.00	87.28	7.3	6.9	20.0	30.0	240.0	170.0	355.0	340.0	13.0	16.0	RIPPLE	RIPPLE	SHOWERS	SHOWERS	NONE	•
94	14	06/09/94	RC HP JN CS	DC KF SD	19.0	23.0	9.6	8.0	1.1	0.6	104.55	93.93	7.8	7.6	40.0	0.0	212.5	195.0	315.0	310.0	17.0	21.0	RIPPLE	CALM	CLEAR	CLEAR	DUCKS	LILY PADS BLOOMING
94	14	06/23/94	AF JF	AF HP	23.0	28.0	6.5	8.0	0.3	2.9	78.20	100.46	7.7	7.3	10.0	20.0	217.5	210.0	330.0	325.0	21.0	21.0	•	RIPPLE	•	CLEAR	•	NONE
94	14	07/11/94	AF JN	CS DC SD	25.0	29.0	9.0	7.8	0.8	0.7	109.80	102.15	8.2	7.4	10.0	0.0	165.0	177.5	330.0	350.0	23.0	29.0	RIPPLE	CALM	CLEAR	CLEAR	NONE	DUCKS/SMIMMERS
94	14	07/25/94	CS JN	CS RM PC	25.0	28.0	6.3	6.8	6.6	2.3	79.19	88.22	7.5	7.2	32.0	30.0	197.5	145.0	330.0	310.0	25.0	•	CALM	CALM	OVERCAST	PT CLOUDY	DUCKS	SWIMMERS
94	14	08/09/94	RM SD	KF MD SD	23.0	26.0	5.9	6.2	1.6	1.5	69.63	77.30	7.2	7.0	•	•	155.0	85.0	225.0	320.0	24.0	29.0	RIPPLE	RIPPLE	CLEAR	CLEAR	SWIMMING	CROWS FLYING
94	14	08/22/94	DC CS	AR	22.0	22.0	7.4	7.3	0.1	2.1	84.46	84.76	7.4	7.5	•	•	207.5	230.0	335.0	330.0	18.0	18.0	CALM	RIPPLE	SHOWERS	SHOWERS	•	AIR THERM. SEPERATE
94	14	09/07/94	AR JJ	AF PC DF	17.0	18.0	6.0	6.2	0.8	0.7	62.62	66.02	6.3	7.1	0.0	0.0	170.0	166.0	225.0	345.0	18.0	24.0	CALM	RIPPLE	OVERCAST	PT CLOUDTY	MOSQUITOS	•
94	14	09/21/94	KF HP SS	DF HP SD	18.0	22.5	7.3	7.3	0.5	0.0	77.66	84.64	7.2	7.2	•	•	200.0	177.0	380.0	335.0	18.0	27.0	CALM	RIPPLE	CLEAR	CLEAR	FECEES ON DOCK?	SOME BUGS
94	14	10/06/94	BL JN KL RG AF	BL RL RG AF JN	13.0	15.5	9.1	9.1	0.0	0.2	86.77	91.73	6.8	7.1	•	•	142.5	175.0	340.0	350.0	8.0	18.0	CALM	RIPPLE	CLEAR	PT CLOUDY	•	•
94	14	10/20/94	SS AF	SS RL AF	14.0	•	8.6	9.3	0.6	1.0	84.20	•	6.8	6.9	•	•	132.5	165.0	370.0	345.0	15.0	15.0	RIPPLE	•	OVERCAST	•	BROWN WATER	•
94	14	11/07/94	RL HP SD	•	12.0	•	8.1	•	0.0	•	75.52	•	7.2	•	•	•	145.0	•	330.0	•	9.0	•	CALM	•	CLEAR	•	VERY WINDY/DUCK	•
95	14	04/18/95	AF AP	AF	10.0	12.0	11.0	10.8	0.6	0.6	98.26	101.03	7.3	7.2	NV	0.0	235.0	225.0	330.0	375.0	19.0	15.0	CALM		CLEAR	•	•	•
95	14	05/01/95	AF SH	AF JJ	10.0	13.0	10.2	10.4	0.0	0.0	90.81	99.17	7.4	6.8	•	4.0	210.0	152.5	360.0	400.0	8.0	12.0	CALM	RIPPLE	PT CLOUDY	•	•	•
95	14	05/15/95	AF OP	BG PC	14.0	13.5	9.5	9.7	0.0	0.4	92.61	93.72	7.6	6.8	•	0.0	192.5	180.0	•	390.0	10.0	10.0	CALM	RIPPLE	RAIN	DOWNPOUR	•	•
95	14	05/30/95	AF RP	AF RP	18.0	20.5	7.8	8.1	0.3	1.1	82.89	90.87	7.6	7.4	•	9.0	120.0	152.0	465.0	500.0	21.0	27.0	RIPPLE	WAVES	PT CLOUDY	PT CLOUDY	VERY WINDY SECCI D	NONE
95	14	06/13/95	AF AC	AF AC	19.0	19.0	6.9	7.4	0.3	0.6	74.83	80.38	7.1	6.9	0.0	8.0	130.0	165.0	450.0	450.0	16.5	15.0	CALM		OVERCAST	SHOWERS	•	BIRDS OIL SLICK SEEN
95	14	06/27/95	AF AC	AF AC JO	22.5	24.0	7.8	8.9	1.2	2.0	91.00	107.25	7.1	7.3	8.0	10.0	135.0	140.0	410.0	390.0	17.5	19.0	CALM	RIPPLE	CLEAR	CLEAR	BIRDS	NONE
95	14	07/12/95	AF	AF AC	22.0	25.0	5.2	6.4	1.1	1.8	60.06	78.48	7.4	7.4	9.0	6.0	140.0	147.5	425.0	445.0	15.0	25.0	CALM	CALM	HAZE	CLEAR	NONE	THREE SWAINS SEEN ,
95	14	07/27/95	AF OP	AF	25.0	30.0	6.6	7.2	1.4	3.2	80.77	97.13	6.9	7.4	13.0	13.0	195.0	175.0	430.0	370.0	24.0	32.0	CALM	RIPPLE	PT CLOUDY	CLEAR	NONE	NONE
95	14	08/10/95	AF OP	AF OP	21.0	25.5	7.7	8.0	1.6	2.4	87.47	99.29	7.2	•	NV	NV	180.0	182.5	370.0	370.0	29.0	31.0	CALM	CALM	CLEAR	CLEAR	NONE	NONE
95	14	08/28/95	AF BP OP	AF JMM	19.0	22.0	7.5	6.6	0.6	0.8	81.46	76.10	•	7.1	0.0	10.0	80.0	155.0	350.0	340.0	17.0	23.0	CALM	RIPPLE	CLEAR	CLEAR	RIVER REAL LOW	NONE
95	14	09/11/95	AF JM	AF	17.0	19.5	5.5	6.3	0.2	0.8	57.22	69.18	7.3	7.1	0.0	1.0	147.5	155.0	275.0	245.0	13.0	•	RIPPLE	RIPPLE	CLEAR	CLEAR	NONE	DUCKS SEEN
95	14	09/26/95	AF JM	AF AC	15.5	15.5	6.3	7.5	0.0	0.0	63.43	75.52	7.2	7.0	10.0	40.0	155.0	140.0	345.0	345.0	13.5	16.0	CALM	RIPPLE	SHOWERS	SHOWERS	•	•
95	14	10/10/95	•	AF AC	•	16.0	•	7.8	•	0.2	•	79.47	•	7.2	NA	20.0	•	140.0	•	375.0	•	22.0	•	CALM	•	CLEAR	•	DUCKS
95	14	10/26/95	AF	AF AC	12.0	12.5	9.6	9.6	0.0	0.0	99.51	90.51	7.3	7.2	30.0	30.0	145.0	155.0	360.0	300.0	6.0	19.0	CALM	CALM	OVERCAST	CLEAR	•	•
95	14	11/09/95	AF RP	AF RP	5.0	5.0	11.7	11.6	0.0	0.0	92.12	91.33	7.3	7.1	400.0	140.0	107.5	107.5	450.0	450.0	-1.0	1.0	RIPPLE	RIPPLE	CLEAR	OVERCASTE	NONE	NONE
96	14	04/18/96	AF AA ZA	AF AKC	5.5	7.0	11.5	12.0	0.9	0.5	92.18	99.66	6.7	7.1	20.0	0.0	90.0	90.0	•	•	9.0	16.5	RIPPLE	CALM	PT CLOUDY	PT CLOUDY	NONE	NONE
96	14	05/06/96	NK EL KF DP	NK KM JF	12.0	12.0	8.8	•	0.7	0.7	82.37	•	7.8	6.9	10.0	18.0	180.0	197.5	350.0	480.0	5.5	11.0	RIPPLE	CALM	SHOWERS	OVERCAST	NONE	NONE
96	14	05/20/96	AF AA		16.0	17.5	8.9	6.9	1.6	1.0	91.36	93.95	7.1	7.1	840.0	40.0	77.5	170.0	430.0	455.0	16.0	•	CALM	RIPPLE	PT CLOUDY	PT CLOUDY	NONE	NONE
96	14	06/03/96	AF AA OP	AF AA ZA	18.0	18.0	8.9	9.2	0.5	0.3	94.68	97.76	6.8	7.0	13.0	14.0	145.0	185.0	390.0	385.0	21.0	16.5	RIPPLE	CALM	OVERCAST	SHOWERS	NONE	NONE
96	14	06/17/96	AF AA ZA	AA ZA AF	23.5	25.0	7.5	8.3	0.6	3.6	88.89	102.72	7.3	7.4			162.5	167.5	380.0	380.0	•	20.0	CALM	RIPPLE	OVERCAST	PT CLOUDY	NONE	SWIMMING

Site 15 - Patten Yacht Yard

YEAR	SITE	DATE	SAMPLER-L	SAMPLER-H	WTEMP-L	WTEMP-H	DO-L	DO-H	SAL-L	SAL-H	SAT-L	SAT-H	pH-L	pH-H	FECAL-	FECAL-	LP-L	LP-H	DEPTH-	DEPTH-	ATEMP-L	ATEMP-	WATER-	WATER-H	WEATHER-	WEATHER-H	ACTIVITIES-	ACTIVITIES-H
					oC	oC	ppm	ppm	ppt	ppt	%	%			CFU/10	CFU/10	cm	cm	cm	cm	0C	0c						
93	15	04/21/93	jt,students	TEAM 4	8.5	6	11	10.4	13.6	27.6	102.31	99.85	7.7	7.9	10.0	0.0	115	415	420	617	14.5	16	ripple	waves	pt cloudy	pt cloudy	oil	•
93	15	05/06/93	JF AS SM	MV DV BS SS	12	10	9.1	10.8	7.9	28.8	88.72	114.65	7.4	7.7	30.0	•	120	370	350	660	18	24	ripple	ripple	overcast	pt cloudy	light shower	1 do test
93	15	05/20/93	JH JU	JF SH	12	9	9.2	9.6	25.8	30.7	100.03	100.97	7.6	7.7	10.0	•	145	320	450	610	11.5	20	calm	ripple	pt cloudy	pt cloudy	foam oil	•
93	15	06/03/93	MH HF DH	JH MH SS	12.5	9	9.1	9.6	26.8	29.8	100.64	100.35	8	7.6	10.0	0.0	135	365	375	720	10	20	calm	ripple	clear	pt cloudy	birds	big ship
93	15	06/23/93	LB AS	JT	16.5	12.5	8.1	9.3	29.5	31.1	98.90	105.78	7.8	7.6	30.0	0.0	160	395	375	720	17	25	whitecaps	whitecaps	clear	clear	boats	big boats
93	15	07/06/93	MV JS BS EB	HF JG EB	17.5	16.5	8.9	8.95	33.5	31.8	111.51	109.83	•	7.9	0.0	10.0	175	445	380	510	27	28	ripple	ripple	clear	clear	no ph	boats
93	15	07/22/93	CT SM	JT KS MV	18.5	14.5	8	9.4	30.1	31.9	99.99	110.89	8.2	7.1	0.0	20.0	195	265	375	657	19	23	calm	ripple	clear	overcast	•	boating
93	15	08/03/93	MV SS JH	MH BS	18.5	17	•	8.1	32.3	30.6	•	100.59	7.8	9.5	•	•	340	435	390	600	22	32	calm	ripple	overcast	pt cloudy	no DO	ph meter
93	15	08/19/93	DH RR HF	JH TE	18	17	7.9	8.3	29.7	32.3	99.45	104.20	7.9	8	0.0	10.0	210	475	390	600	20	21	ripple	ripple	overcast	pt cloudy	fish, boats	h2o current
93	15	09/02/93	HF	HF	16	15.5	3.3	3.7	32.3	31.1	40.63	44.75	7.8	7.9	0.0	0.0	315	460	420	615	16	23.5	calm	waves	clear	clear	boating	boating
93	15	09/20/93	CT JS JT	JT JS MV	13.5	12.5	8	8.4	30.1	32.7	92.30	96.57	7.9	8	3.0	3.0	320	460	405	635	12	16	calm	ripple	clear	clear	boating	boating
93	15	10/04/93	JH TF	JF MM	13	13	8.5	7.9	31.4	31.9	97.90	91.29	8	7.8	20.0	50.0	370	540	430	640	15	20	waves	whitecaps	pt cloudy	clear	birds	boating
93	15	10/18/93	JS JC	KS AS	11	10	8.9	8.4	30.9	32.7	97.94	91.56	7.7	7.9	6.0	4.0	280	415	415	670	14	16	waves	ripple	pt cloudy	clear	boating	boating
93	15	11/09/93	JG DH RR	JT BA	8	7.5	8.7	8.2	29.4	31.4	88.66	83.75	7.8	7.7	4.0	1.0	390	610	390	610	13	2	ripple	ripple	pt cloudy	clear	none	none
94	15	04/26/94	JH SH JT	MH JT MR. MAZ	7.0	7.0	10.6	10.5	22.2	30.8	100.57	105.59	7.5	6.9	15.0	21.0	195.0	385.0	390.0	545.0	6.0	9.0	CALM	RIPPLE	SHOWERS	OVERCAST	NONE	BOATING
94	15	05/10/94	MV BH LR JT	DH RR JT	11.5	9.0	9.3	9.9	20.3	24.7	96.59	100.02	7.8	7.7	18.0	5.0	117.0	370.0	410.0	600.0	14.0	15.0	CALM	RIPPLE	OVERCAST	PT CLOUDY	NONE	BOATING
94	15	05/25/94	KS MM AL JT	MV KS PT	12.5	10.5	10.2	11.5	24.3	26.4	111.01	121.48	7.5	7.7	5.0	8.0	173.0	435.0	390.0	665.0	11.0	17.0	RIPPLE	•	SHOWERS	SHOWERS	BOATING	BOATS
94	15	06/09/94	JS MH JG	MV SS SH	14.0	12.5	7.9	9.7	26.6	30.4	90.05	109.82	7.5	7.5	4.0	1.0	230.0	402.5	400.0	730.0	18.0	25.0	RIPPLE	RIPPLE	CLEAR	CLEAR	BOATING	BOAT FISHIN
94	15	06/23/94	BA JT	DH MH RR JT	16.0	13.5	7.7	9.1	29.2	30.8	92.32	105.48	7.7	7.8	7.0	1.0	205.0	510.0	380.0	620.0	15.0	23.0	CALM	WAVES	CLEAR	PT CLOUDY	OIL SLICK	BOATING
94	15	07/11/94	JH SH TS	KS JH	17.5	17.0	•	3.3	29.6	32.5	•	40.85	7.8	7.8	•	4.0	222.5	525.0	410.0	625.0	22.0	27.0	RIPPLE	•	CLEAR	CLEAR	BOATING	•
94	15	07/25/94	JG EB	JH KS EB	19.0	15.0	6.8	9.8	23.5	30.7	84.00	117.05	7.9	7.8	3.0	6.0	260.0	435.0	415.0	600.0	25.0	25.0	RIPPLE	RIPPLE	FOG	PT CLOUDY	BOATING	BOATING
94	15	08/09/94	MH KS	MV TE	18.0	17.0	8.4	8.0	29.8	31.6	105.81	99.98	7.4	7.8	4.0	0.0	207.5	320.0	390.0	390.0	25.0	25.0	CALM	RIPPLE	CLEAR	CLEAR	BOATING	BOATING
94	15	08/22/94	JH SH	JT JS	17.0	14.0	7.4	7.5	31.6	30.8	92.48	87.84	7.6	7.8	8.0	9.0	240.0	375.0	400.0	375.0	20.0	17.0	RIPPLE	RIPPLE	OVERCAST	SHOWERS	BOATING	BOATING
94	15	09/07/94	SS	SS	14.5	15.0	7.5	8.2	30.8	31.9	88.73	98.71	8.0	8.0	5.0	2.0	300.0	320.0	400.0	660.0	12.5	23.0	•	WAVES	•	PT CLOUDY	•	BOATING
94	15	09/21/94	MH AH	JG CT DS	16.0	15.0	7.8	8.4	32.1	32.1	95.90	101.25	7.3	8.0	3.0	3.0	282.0	275.0	450.0	275.0	16.0	23.0	CALM	RIPPLE	CLEAR	CLEAR	BOATING	BOATING
94	15	10/06/94	JT JS	JH JS JG	12.0	12.0	12.8	7	28.9	33.4	142.01	80.02	8.0	7.9	7.0	0.0	185.0	345.0	375.0	680.0	6.0	15.0	CALM	RIPPLE	CLEAR	PT CLOUDY	TUGBOATS	BOATING(AT
94	15	10/20/94	MV KS JT	MH JS JG JT	12.0	12.0	8.8	8.8	30.8	32.9	98.86	100.26	7.5	7.9	2.0	2.0	261.0	340.0	429.0	680.0	15.0	16.0	CALM	RIPPLE	OVERCAST	OVERCAST	NONE	BOATING
94	15	11/07/94	JF	JT KS	11.0	•	9.7	8.6	30.6	31.7	106.53	•	8.0	7.5	0.0	0.0	•	•	•	•	8.0	14.0	WHITEC	WHITECAPS		CLEAR	TOO WINDY	TOO WINDY
95	15	04/18/95	PZ JP JT	JG	8.0	6.0	10.5	10.5	24.7	29.5	103.68	102.21	8.0	7.9	1.0	0.0	205.0	490.0	380.0	630.0	6.0	10.0	CALM	WAVES	CLEAR	CLEAR	BOAT	BOAT
95	15	05/01/95	DAS JMS	MMH AWP JBJ	8.0	8.2'	10.6	10.8	2.0	33.9	91.00	113.65	8.0	8.0	0.0	1.0	224.0	542.5	•	607.0	8.0	13.0	RIPPLE	CALM	OVERCAST	PT CLOUDY	NONE	BOAT
95	15	05/15/95	SS JT	JG JMS BDS	12.0	8.0	9.1	10.5	26.5	30.6	99.39	107.89	7.6	8.0	2.0	2.0	155.0	415.0	375.0	720.0	10.0	8.0	CALM	RIPPLE	SHOWERS	DOWNPOUR	NONE	BOATING
95	15	05/30/95	BM MM JT	HC JG	13.0	10.5	8.3	9.5	25.9	30.3	92.24	102.99	7.1	8.0	5.0	0.0	155.0	440.0	400.0	795.0	16.5	27.0	RIPPLE	WAVES	CLEAR	PT CLOUDY	NONE	BOATING
95	15	06/13/95	JG BM ME	MH JG	14.5	11.5	7.7	9.7	27.3	28.6	89.07	106.25	8.1	8.0	3.0	6.0	177.5	400.0	380.0	640.0	16.0	20.0	CALM	CALM	OVERCAST	PT CLOUDY	BOATING	BOATING
95	15	06/27/95	JP MH JG	JT SS JG	17.0	15.0	8.3	9.0	27.7	31.1	101.20	107.77	8.1	8.0	2.0	1.0	235.0	455.0	410.0	600.0	15.0	18.0	CALM	WAVES	CLEAR	CLEAR	BOATING	BOATING
95	15	07/12/95	MM JT	JT JP PZ	16.0	14.0	7.9	9.8	30.0	30.3	95.83	114.40	7.7	7.4	1.0	0.0	193.0	•	365.0	•	16.0	21.0	CALM	WAVES	HAZE	HAZE	BOATING	BOATING
95	15	07/27/95	JT MS		21.0	•	8.6	•	38.1	•	120.74	•	7.7	•	10.0	na	265.0	•	460.0	•	22.0	•	CALM		HAZE	•	SEAGULLS	•
95	15	08/10/95	MH JG	JT JG	18.0	17.0	6.8	7.8	27.9	17.4	84.64	89.35	7.8	7.8	0.0	3.0	320.0	308.0	380.0	700.0	17.0	•	RIPPLE	WAVES	CLEAR	CLEAR	NONE	SWIMMING
95	15	08/28/95	JT	JT	17.0	15.0	7.3	8.1	31.0	30.3	90.88	96.50	7.4	7.8	6.0	0.0	252.5	332.5	440.0	610.0	15.0	23.0	CALM	CALM	CLEAR	CLEAR	NONE	NONE
95	15	09/11/95	BM MM JT	JG	14.0	13.5	3.9	7.4	31.1	30.3	45.77	85.49	7.4	6.8	4.0	1.0	237.5	485.0	410.0	650.0	9.0	19.0	CALM	RIPPLE	CLEAR	CLEAR	BIRDS	BOATS
95	15	09/26/95	MM DK KD JG	JP PZ JT	14.0	•	7.9	8.1	31.1	31.1	92.70	•	8.4	8.1	3.0	5.0	296.5	440.0	406.0	635.0	15.0	14.0	RIPPLE	CALM	SHOWERS	SHOWERS	BOAT	NONE
95	15	10/10/95	JG	BM JG	13.5	13.5	7.5	7.5	30.7	31.4	86.87	87.27	7.8	7.3	2.0	1.0	280.0	425.0	420.0	700.0	8.0	18.0	CALM	RIPPLE	CLEAR	CLEAR	BOAT	BOAT
95	15	10/26/95	MM JT JS	JG	11.5	11.0	7.7	7.8	27.2	29.6	83.57	85.09	7.8	7.8	10.0	3.0	202.5	385.0	371.0	695.0	5.5	15.0	CALM	RIPPLE	OVERCAST	CLEAR	BIRDS/BOA	NONE
95	15	11/09/95	JG	JT	8.0	7.0	8.8	7.8	20.8	29.4	84.71	77.68	7.6	7.6	3.0	0.0	155.0	•	450.0	•	1.0	3.0	WAVES	WHITECA	PT CLOUDY	PT CLOUDY	NONE	BOAT
96	15	04/18/96	JG JM AM	JT	6.5	5.0	11.3	10.4	11.7	26.1	99.07	96.54	7.5	8.0			55.0	177.5	440.0	690.0	5.0	14.0	RIPPLE	WAVES	CLEAR	PT CLOUDY	BOATING	BOAT LAUNC
96	15	05/06/96	JT JP PZ	MH TK JG	8.0	8.0	9.4	9.8	24.7	26.6	92.82	98.00	7.4	8.0			232.0	340.0	•	650.0	8.0	6.0	CALM	RIPPLE	OVERCAST	OVERCAST		BOATING
96	15	05/20/96	JG DK CM	SH JM	10.5	11.0	9.5	9.4	21.8	25.8	97.42	100.01	7.9	7.8			200.0	312.5	445.0	575.0	14.0	25.0	CALM	RIPPLE	FOG/HAZE	PT CLOUDY	BOATING	BOATING
96	15	06/03/96	JT CS JM AM	JP PZ JG	14.0	10.0	9.0	9.9	24.8	29.4	101.43	105.52	7.7	7.3			107.5	402.5	380.0	600.0	12.0	16.0	RIPPLE	RIPPLE	PT CLOUDY	OVERCAST		BOATING
96	15	06/17/96	AM TK JG	JT CM DK	15.5	14.0	8.4	9.7	28.7	29.8	100.04	112.87	8.0	7.9			235.0	415.0	420.0	610.0	20.0	30.0	CALM	•	CLEAR	•	BOATING	•

Site 16 - Exeter

YEAR	SITE	DATE	SAMPLER-L	SAMPLER-H	WTEMP-L	WTEMP-H	DO-L	DO-H	SAL-L	SAL-H	SAT-L	SAT-H	pH-L	pH-H	FECAL-L	FECAL-H	LP-L	LP-H	DEPTH-L	DEPTH-H	ATEMP-L	ATEMP-H	WATER-L	WATER-H	WEATHER-L	WEATHER-H	ACTIVITIES-L	ACTIVITIES-H
					oC	oC	ppm	ppm	ppt	ppt	%	%			CFU/100ML	CFU/100ML	cm	cm	cm	cm	0c	0c						
94	16	04/26/94	CM	•	10.0	10.5	10.6	10.3	1.6	0.6	95.22	93.08	8.0	7.3	112.0	80.0	87.0	157.5	87.0	310.0	8.0	8.0	RIPPLE		SHOWERS	•	BIRDS	•
94	16	05/10/94	CM CK CJ LD	CM TK GM KT	14.0	15.0	9.5	9.1	1.2	0.2	93.22	90.76	7.3	7.1	200.0	110.0	100.0	123.5	100.0	307.0	16.0	18.0	RIPPLE	RIPPLE	PT CLOUDY	PT CLOUDY	BIRDS	CREW/BIRDS
94	16	05/25/94	CM CS SS CW	CM BW	18.0	18.0	9.3	8.2	1.6	0.3	88.81	87.14	7.6	7.3	400.0	200.0	95.0	118.0	95.0	332.0	11.5	17.0	RIPPLE	RIPPLE	SHOWERS	OVERCAST	BIRDS	BOATING
94	16	06/09/94	CM	BW	18.5	23.0	13.2	9.2	0.5	1.6	141.84	109.59	7.6	7.4	110.0	300.0	85.0	105.0	85.0	270.0	17.0	28.0	RIPPLE	RIPPLE	CLEAR	CLEAR	FISH JUMPING	CANOES
94	16	06/23/94	BW	BW	23.5	26.5	9.6	13.1	2.9	5.1	103.14	164.86	7.5	8.6	TNTC	TNTC	30.0	37.5	60.0	300.0	22.0	29.5	RIPPLE	RIPPLE	CLEAR	OVERCAST	GULLS	NONE
94	16	07/11/94	CM JW AS	CM MA LD YT	28.0	28.5	9.6	11.2	1.9	2.3	119.94	146.56	7.9	8.1	380.0	100.0	40.5	47.5	60.0	294.0	25.0	28.0	RIPPLE	RIPPLE	CLEAR	CLEAR	OUTFLOW FROM PIPE	GULLS
94	16	07/25/94	CM JW	CM HB AD	26.5	29.5	7.9	9.3	2.9	10.9	98.82	129.36	7.6	8.9	500.0	300.0	48.5	34.5	67.0	297.0	29.0	32.5	CALM	CALM	OVERCAST	CLEAR	BOATING	SWIMMING
94	16	08/09/94	BP	BP	23.0	27.0	14.3	19.0	7.2	11.3	173.80	253.70	9.1	9.5	200.0	130.0	35.0	35.0	70.0	300.0	22.0	27.0	CALM	RIPPLE	CLEAR	CLEAR	BITING BUGS	BREEZY
94	16	08/22/94	BP	BP	21.0	20.5	9.3	7.7	1.0	0.8	93.99	86.25	7.6	7.4	•	•	70.0	90.0	70.0	300.0	18.0	15.0	RIPPLE	CALM	SHOWERS	SHOWERS	CONSTRUCTION	NO BIRDS
94	16	09/07/94	CM	BW	18.0	19.0	7.6	9.9	1.5	1.9	77.97	107.19	7.6	7.5	•	•	76.0	66.5	90.0	320.0	14.0	21.0	CALM	RIPPLE	PT CLOUDY	PT CLOUDY	GULLS BOATS	•
94	16	09/21/94	CM	BW	18.0	19.5	9.2	15.4	1.9	7.2	87.88	175.01	7.7	8.6	•	•	62.5	36.0	67.0	295.0	16.0	20.0	CALM	RIPPLE	CLEAR	CLEAR	BIRDS BOATS	BOATING
94	16	10/06/94	AR JJ	CM	11.0	13.0	10.3	9.9	0.7	0.7	94.23	93.81	7.3	7.3	110.0	60.0	95.0	61.5	95.0	330.0	7.0	14.0	CALM	RIPPLE	CLEAR	CLEAR	WATER SUDSY	BOATING
94	16	10/20/94	CM MK	BW	11.0	11.5	7.4	7.7	0.8	4.6	67.66	72.93	7.3	7.0	•	•	72.5	75.0	90.0	320.0	16.0	15.0	CALM	CALM	OVERCAST	OVERCAST	BIRDS BOATING	WATER LIGHT TAN COLORED
94	16	11/07/94	CM AG	BW	9.0	9.0	9.3	11.2	0.5	0.5	72.37	87.66	7.2	7.2	•	•	30.0	50.0	85.0	290.0	6.0	8.0	WHITECAPS	RIPPLE	PT CLOUDY	PT CLOUDY	BIRDS	AT DUSK
95	16	04/18/95	PS BW	CM SK AS LP PG	10.0	11.0	10.8	11.2	0.5	1.9	96.42	103.15	7.8	8.0	0.0	30.0	BSV	172.5	70.0	275.0	11.0	11.0	CALM	RIPPLE	CLEAR	CLEAR	BIRDS	LAND RECREATION
95	16	05/01/95	PS	CM SK AS CL	12.5	12.5	11.4	10.7	0.6	•	107.64	•	7.9	8.0	NV	NV	BSV	155.0	60.0	270.0	13.0	12.5	RIPPLE	RIPPLE	OVERCASTE	PT CLOUDY	FISHING	BOATS
95	16	05/15/95	PS	BW	14.0	13.5	9.4	9.8	0.9	0.8	92.04	94.89	7.8	7.4	NV	NV	BSV	97.5	60.0	310.0	11.0	10.0	RIPPLE	CALM	SHOWERS	SHOWERS	BOATING	BOATING
95	16	05/30/95	AS TN MD LP	MH CM PG	18.0	18.0	9.3	8.8	1.3	0.3	98.67	93.51	7.5	8.0	340.0	90.0	BSV	92.5	50.0	245.0	23.0	24.5	RIPPLE	RIPPLE	PT CLOUDY	PT CLOUDY	FISHING/BIRDS	FISHING/BIRDS
95	16	06/13/95	PS	CM	18.5	18.0	9.1	11.6	0.5	0.9	97.79	123.66	7.2	7.3	1120.0	NA	BSV	57.5	75.0	73.0	21.0	18.0	CALM	RIPPLE	OVERCAST	SHOWERS	BOATING	BIRDS
95	16	06/27/95	JJ JJ	JJ AM	22.0	22.5	9.4	7.6	2.2	0.8	97.58	87.32	7.6	7.3	TNTC	790.0	45.0	85.0	90.0	170.0	20.0	20.0	RIPPLE	RIPPLE	CLEAR	CLEAR	WINDY	BOATS
95	16	07/12/95	CM	CM	21.0	24.5	6.1	8.1	13.6	14.8	73.93	105.42	7.6	7.7	550.0	150.0	42.5	40.0	59.0	290.0	20.0	26.5	RIPPLE	RIPPLE	FOG	PT CLOUDY	BOATS	CONSTRUCT BOATS BIRDS
95	16	07/27/95	AJM CC	CM	27.0	26.5	7.2	8.0	0.0	0.8	90.71	100.29	7.4	7.7	1600.0	160.0	22.5	64.5	70.0	245.0	25.0	35.0	CALM	RIPPLE	PT CLOUDY	PT CLOUDY	NONE	DOG IN H20 BOATS KIDS BIRD
95	16	08/10/95	CM AND FRIENDS	CM AND FRIENDS	23.0	26.0	9.2	15.7	5.1	7.9	98.56	202.30	7.8	8.9	NV	NV	38.5	32.5	56.0	285.0	21.0	35.0	RIPPLE	RIPPLE	CLEAR	CLEAR	6 BOATS IN WATER	CONSTRUCTION
95	16	08/28/95	•	BW	•	23.5	•	16.4	•	16.0	•	209.84	•	8.6	NA	120.0	•	40.0	•	295.0	•	18.0	•	RIPPLE	•	CLEAR	•	BOATS AND ROWING
95	16	09/11/95	PS	PS	•	•	11.1	9.8	•	•	•	•	•	•	210.0	60.0	77.5	53.5	100.0	300.0	13.5	22.5	RIPPLE	RIPPLE	CLEAR	CLEAR	BOATING	6 BOATS
95	16	09/26/95	CM	CM	13.0	14.5	9.5	11.7	9.9	16.7	85.65	126.78	7.4	7.8	1400.0	440.0	44.0	69.0	72.0	311.0	15.0	16.0	CALM	RIPPLE	OVERCAST	OVERCAST	BOATS CONSTRUCTI	BOATS
95	16	10/10/95	CM	CM	13.0	15.0	10.5	9.9	0.7	0.7	100.51	98.01	7.6	7.3	260.0	60.0	BSV	100.0	61.0	305.0	12.0	18.0	RIPPLE	RIPPLE	CLEAR	CLEAR	CONSTRUCTION	FISHING KYACKS
95	16	10/26/95	PS SC	PS	12.5	13.0	9.9	9.6	0.6	0.7	92.71	91.89	7.2	7.2	400.0	60.0	BSV	57.5	105.0	315.0	15.0	21.0	CALM	CALM	OVERCAST	OVERCAST	BOATS CONSTRUCTI	NONE
95	16	11/09/95	PS	CM	4.0	3.5	9.9	12.1	0.9	0.0	75.63	91.59	7.6	7.6	180.0	0.0	BSV	112.5	105.0	295.0	4.0	-1.0	RIPPLE	WHITECA	PT CLOUDY	CLEAR	BOAT	CONSTRUCTION
96	16	04/18/96	CM GL SC	WB CM	7.0	9.0	11.3	11.2	0.2	0.5	93.68	97.66	7.4	7.2	40.0	10.0	111.0	140.0	160.0	300.0	6.0	11.0	WHITECAPS	WAVES	CLEAR	PT CLOUDY	BOAT MOORED 30M O	CREW JUST FINISHED
96	16	05/6/96	CM		12		10.1		0.6		0	0	7.8		105	46	BSV		95		4		WAVES		SHOWERS		ONE BOAT	
96	16	05/20/96	CM		17.0		9.4		0.6		97.58	0.00	7.6		100.0	50.0	BSV		100.0		24.0		CALM		PT CLOUDY		3 MOORED BOATS	

Great Bay Watch 1996 Sampling Se… n - Preliminary Data 4/18/96 - 6/3/96

Preliminary 1996 DATA for Fecal Coliform Counts and Dissolved Oxygen Percent Saturation

		18-Apr Fecal Coliform Per 100 ml	18-Apr Percent Saturation	6-May Fecal Coliform Per 100 ml	6-May Percent Saturation	20-May Fecal Coliform Per 100 ml	20-May Percent Saturation	3-Jun Fecal Coliform Per 100 ml	3-Jun Percent Saturation	17-Jun Fecal Coliform Per 100 ml	17-Jun Percent Saturation
Site 1 - Peninsula - Oyster River	LOW	80	94.44	30	79.81	700	76.31	50	78.96	44	73.65
	HIGH	20	102.53	100	94.20	1	100.77	27	93.48	2	103.88
Site 2 - Jackson Laboratory	LOW	33	94.58	3	91.40	2	87.20	1	78.22	2	94.61
	HIGH	0	99.17	3	87.46	1	94.36	5	80.21	1	100.88
Site 3 - Lamprey River	LOW	60	99.46	140	100.27	110	103.39	90		224	*
	HIGH		106.12	20	101.67	80	103.05			190	97.67
Site 4 - Depot Road (Sandy Pt) *	LOW										
	HIGH	20	99.73	3	87.92	11	104.06	0	115.07	0	139.67
Site 5 - Portsmouth Country Club	LOW	20	90.06	60	86.93	70	83.08	90		104	
	HIGH	0	101.50	30	93.21	0	97.51	18		6	
Site 6 - Fox Point	LOW	28	102.00	0	95.63	3	88.84	1	92.20	1	
	HIGH	50	94.51	6	98.47		99.49	3	98.75	2	
Site 7 - Cedar Point	LOW	100	96.02	103	90.29	48	96.45	19	96.95	11	97.76
	HIGH	30	99.85	1	96.51	10	97.58	5	98.73	8	102.87
Site 9 - Cocheco River	LOW	350	105.12	60	96.60	120	97.13	160	85.34	600	79.4
	HIGH	210	101.91	30	91.55	190	95.89	20	87.30	10	96
Site 10 - Piscataqua River	LOW	180	108.61	30	89.97	80	89.19	20	85.33		88.6
	HIGH	9	101.63	0	73.01	40	109.08	10	98.23	4	103.88
Site 11 - Coastal Marine Lab	LOW	20	97.26	2	93.50	12	99.56	1	99.48	3	104.09
	HIGH	0	101.45	1	96.23	0	101.46	2	100.05	1	109.54
Site 12 - Newmarket STP	LOW	50	98.83	40	68.88	100	52.92	3	47.74	20	31.03
	HIGH	50	108.68	40	93.24	110	98.67	180	94.68	170	94.9
Site 13 - Marina Falls Landing	LOW	50	100.15	40	101.03	110	96.30	240	96.81	190	87.76
	HIGH	0	100.35	40	99.00	60	93.85	91	96.55	168	93.7
Site 14 - Fowler's Dock	LOW	20	92.18	10	82.37	840	91.36	13	94.68	18	88.89
	HIGH	0	99.66	18	*	40	93.95	14	97.76	20	102.72
Site 15 - Patten Yacht Yard, Inc.	LOW	55	99.07	1	92.82	4	97.42	4	101.43	1	100.04
	HIGH	17	96.54	4	98.00	3	100.01	0	105.52	3	112.87
Site 16 - Exeter Docks	LOW	40	93.68	105		100		15		430	
	HIGH	10		46		50	87.58	14		180	

* no sampling low tide at site 4

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