



Great Bay Coast Watch

GBCW - Water Quality and Phytoplankton Final Report

A Final Report to the New Hampshire Coastal Program

Submitted by
Mark Wiley and Ann S. Reid

University of New Hampshire Cooperative Extension and
New Hampshire Sea Grant

Durham, NH 03824

Photos by Ann S. Reid unless otherwise noted

July 30, 2008



This publication was supported by the National Sea Grant College Program of the US Department of Commerce's National Oceanic and Atmospheric Administration under NOAA Grant #NA16RG1035. The views expressed herein do not necessarily reflect the views of any of those organizations.

This report was funded in part by a grant from the Office of Energy and Planning, New Hampshire Coastal Program, as authorized by the National Oceanic and Atmospheric Administration (NOAA), Grant No. NA170Z2324

The University of New Hampshire Cooperative Extension is an equal opportunity educator and employer. The University of New Hampshire, U.S. Department of Agriculture and N.H. counties cooperating.

Grant Number ***Project Starts*** ***Project Ends***

13V098 8/22/2007 12/31/2008

Report Period: 4/1/2008 – 6/30/2008

Tasks

1. Recruit and train new volunteers for Water Quality and Phytoplankton sampling.

Great Bay Coast Watch (GBCW) participates in many public events, which provide opportunities to recruit new volunteers. Potential volunteers are invited to participate in monitoring activities first under the supervision of experienced volunteers and then if recruited trained in the field as needed. Two new volunteers joined the Watch in September. A third, Ellen Koenig, volunteered to take photos at an onsite training session. Angela Hiley, a previously trained GBCW water quality monitor, was trained further in Phytoplankton monitoring during the month of August.

Wes Elmer was recruited at a Great Bay Stewards board meeting. Subsequently in July, he assisted the GBCW coordinator with sampling at site # 7 located at Cedar Point in Durham. His training was completed along with GBCW volunteer Steve Loos at the September water quality-monitoring day. He is now a regular monitor assigned to site # 7. Christina Aliquo offered to volunteer during the annual GBCW barbeque. She was trained at Kingman Farm in September, and now monitors at site #20 in Portsmouth. She also is assisting in the office with data verification and administrative activities.

Each fall, several students from the UNH Introduction to Business course contact GBCW to volunteer in order to complete their 8 hours of required community service. The GBCW coordinator has met with students on campus to identify activities they would be interested in and set up a schedule, which allows their participation. Since this is a freshman class, transportation is frequently a problem for them. However, GBCW staffs try to assist and as a result, some students have decided to continue to participate in GBCW beyond the class requirement.

A spring training event held at Oyster River High School on March 13 resulted in three new teachers and four new students being trained from Marshwood High School. Marshwood students have traditionally assisted with monitoring site #17 located at the Patton Boat Yard in Elliot, Maine.

Every year another group of Oyster River High School students (ORHS) participates in monitoring activities at GBCW site #1 in Newmarket. Teacher Laura Parsons, who has trained students and volunteered with GBCW since 2001, has been assigned additional classes this fall, and will not be able to take students to the site to monitor. However, in order to continue supporting the site she has recruited a group of students who will take over the monitoring as part of their community service project, led by teacher Joan Schaeffer. Thanks to these new students and the continued support of ORHS staff, GBCW will continue its 18-year tradition of ORHS monitoring coverage at Site # 1.

In March, the GBCW staff was joined by a student intern, Chelsea Cathcart a senior at the Tamworth Community School. Chelsea assisted with training, clerical work,

equipment set up, and with running events. She learned a lot and was able to provide a glowing report to her advisors. Since March is the month we train new volunteers and refresh returning volunteers, she was a valuable addition assisting staff at multiple training events.

Great Bay Coast Watch (GBCW) has done several events to recruit volunteers including the Marine Education Opportunity Fair held in the spring, where we were approached by several people interested in volunteering. The news release for the Annual meeting also asked for new recruits.

The Annual Meeting served as an introduction to GBCW for several people interested in volunteering. One potential volunteer, Rick Smart, was looking to work in water quality testing with his daughter during the summer when she returns from college. They have chosen to participate in a different program that GBCW is working on that runs through the summer months only.

In the phytoplankton program, recruitment of new volunteers is generally more successful when done by currently active volunteers. Several requests have been received however through the Seacoast United Way Volunteer Action website from individuals wanting information about becoming phytoplankton volunteers. Unfortunately, most are looking for weekend activities or have small children they want to involve neither of which fit our requirements. One new volunteer a retired biology teacher was however received through a referral from the Active Retirement Association in Portsmouth.

On May 18, Cindy Jones from the NH WMUR television station joined Ann Reid GBCW coordinator and several volunteers to record a segment for the show "NH Chronicle". Ms Jones traveled to several sampling sites with the coordinator, and filmed and interviewed; students and long term GBCW Watchers. She recorded methods in practice for several hours and interviewed the Coordinator. Supporters, funders, and methods of recruiting and training were described. We anticipate that there will be several new volunteers because of this publicity. A copy will be forthcoming.

2. Continue water quality monitoring at sixteen sites around Great Bay.

Please see appendix A for the complete monitoring schedule. With support from UNH Cooperative Extension, and using supplies from the last fiscal year, GBCW was able to complete the 18th season at most of its sites, and monitoring for all of its parameters. Sites 1, 2, 3, 4, 5, 6, 7, 9, 10, 11A, 13, 14, 15, 16, 17, 18, 19, 21A, 22 were sampled on schedule, with few exceptions.

Sites 11 and 21 have had "A" added to them for the following reasons: The new UNH pier has a floating dock that GBCW has permission to use and that allows the samplers to get a little further into the harbor. It is a similar but different location from the old dock, site 11. Site # 21 near the bridge on 1-B is steep and difficult to get samples safely. An unsuccessful attempt was made to recruit the store owners to sample, but that did not work out so GBCW staff investigated behind the stores and found a float that was available. On the first day of sampling construction, equipment was in the way and Emery Hutchins asked the owner of a pier if that would be permitted. With a hearty OK from Esther Kennedy a former Antioch intern at GBCW, we changed the site and it too is further out into Little Harbour. Site # 22 at Little Harbour School is

sampled at high tide only, due to no water at low tide, which is also the situation at site # 4. GPS coordinates for the new locations will be recorded in August.

3. Continue to monitor phytoplankton populations at three sites in New Hampshire: Hampton Harbor, New Castle, and Rye.

GBCW volunteers continued to sample phytoplankton at the Hampton Harbor, Parsons Creek in Rye, Seacoast Science Center, and at the UNH Coastal Lab dock, completing their 8th year of monitoring. This autumn of 2007 continued a relatively quiet year with low cell counts and few target species observed in the collected samples. Until the period of October 8-18th when an unexpected bloom of the target species *Alexandrium* spp. was reported in the central Gulf of Maine (GOM) by Woods Hole Oceanographic research scientists on a routine cyst-sampling cruise. The bloom of *Alexandrium* extended from the central GOM into the Bay of Fundy with a maximum cells/L count of 31K off the SW Nova Scotia coast. Cells were also observed on the southern edge of Georges Bank. Because approaching Hurricane "Noel" was expected to become extra-tropical and track offshore from Cape Cod to the Canadian Maritimes-- across this offshore GOM and Bay of Fundy *Alexandrium* spp. population, GBCW volunteers were asked by NHDES Shellfish manager to collect additional samples to determine if the cells had traveled into onshore waters. Samples collected from the Hampton and Coastal Lab sites, did show very low numbers of cells and the Shellfish Manager was immediately notified. Subsequent sampling did not show any further cell populations at any of the GBCW sites.

Volunteers began monitoring at all locations in April just in time to observe the beginnings of the earliest bloom of the target cell *Alexandrium* spp., which we have recorded since we began monitoring in 1999. Numbers remained high throughout the month of May into June with GBCW *Alexandrium* spp. cell counts reaching over 100 per tube the week of June 9. These were the highest *Alexandrium* spp. cell counts we have ever recorded at our sampling sites. Sampling during the event was extended into Great Bay at the request of the NHDES Shellfish manager where lower numbers were observed.

The second season of using the new quantitative SOP has gone extremely well. Collection is more standardized and can be managed faster. The results are much better, and it will allow comparison with other professional data collected by Gulf of Maine researchers. It also allows a comparison of cell counts to toxicity levels in shellfish, which can be used in the future as a prediction tool.

The coordinator of the GBCW phytoplankton program worked over the winter with a Massachusetts group from Cape Cod Community College sharing materials and working to obtain equipment and training to begin a program centered on the lower Cape region. A training session was held in June in Brewster Massachusetts to get 11 new volunteers and their teacher/coordinator started with the new SOP.

4. Submit all collected water quality data to the NHDES for inclusion in its "One Stop Reporting and Information Access Program" database.

The data entry was completed in December and submitted to the DES February 6, 2007. The total database is in the process of is in the process of QAQC checks, and GBCW has data to verify for them.

5. Write and publish a report on the data collected during the 2007 sampling season.

Ann Reid and Karen Diamond, with volunteer Barbara Trow, attended a workshop on publishing data at the regional EPA office in Chelmsford, MA. Some of the techniques learned there were applied to the 2007 report. A PowerPoint was presented at the Annual Meeting, showing the trends in data from the 2007 sampling season. The report charted data samples, using color-coded parameters to identify patterns. The charts included were depth and water transparency, ocean-buffering capacity, dissolved oxygen, ocean mixing affects, and average air vs. water temperature at high and low tides. A CD of the Power Point is included with this report.

6. Prepare a final report that summarizes the results of the project. Include funding credit.

Funding Credit is provided on the front cover.

7. At least one media press release describing the project during the life of the project - at the beginning or end of the project.

UNH Press Release:

“Great Bay Coast Watch Hosts Annual Chili And Chowdah Fest Nov. 29

DURHAM, NH – The Great Bay Coast Watch hosts its annual potluck “Chili and Chowdah Fest” at the Newington Town Hall Thursday, Nov. 29, from 11:30 a.m. - 2 p.m. The event, which is open to the public, celebrates the Watch’s 18th season.

The Watch, which is sponsored by NH Sea Grant and University of New Hampshire Cooperative Extension, had a successful season thanks to its many volunteers. It was made possible by a grant from the National Oceanic and Atmospheric Administration’s Office of Ocean and Coastal Resource Management under the Coastal Management Act and in conjunction with the NH Coastal Program at the Department of Environmental Services.

Keynote speaker Charlie French from UNH Cooperative Extension will discuss the prototype for the new web-based “CAP-Map.” This GIS-based map will help communities and organizations to share information about the state’s assets and resources.

Beverages, breads and desserts will be provided. Those attending are encouraged to bring other items to share, including chili, chowder, appetizers or salads. Recipes for these items are encouraged as well. For more information or to RSVP for the potluck, please contact Great Bay Coast Watch coordinator Ann Reid at 603.749.1565 or ann.reid@unh.edu by Wednesday, Nov. 28.”

Appendix A Monitoring Schedule

Tidal and Sampling Times for 2007 Season



		2007						2008				
		Tidal Adjustment**	16-Jul	14-Aug	12-Sep	11-Oct	29-Oct	Tidal Adjustment**	22-Apr	20-May	18-Jun	
		LOW	7:09	6:46	6:18	5:46	7:37	LOW	7:11	6:14	5:51	
		HIGH	13:24	12:58	12:28	11:56	13:52	HIGH	13:24	12:26	12:03	
Site 1	LOW	1:50	8:59	8:36	8:08	7:36	9:27	LOW	1:50	9:01	8:04	7:41
Peninsula - Oyster River	HIGH	1:45	15:09	14:43	14:13	13:41	15:37	HIGH	1:45	15:09	14:11	13:48
Site 2	LOW	2:00	9:09	8:46	8:18	7:46	9:37	LOW	2:00	9:11	8:14	7:51
Jackson Laboratory	HIGH	2:00	15:24	14:58	14:28	13:56	15:52	HIGH	2:00	15:24	14:26	14:03
Site 3	LOW	3:00	10:09	9:46	9:18	8:46	10:37	LOW	3:00	10:11	9:14	8:51
Lamprey River	HIGH	2:40	16:04	15:38	15:08	14:36	16:32	HIGH	2:40	16:04	15:06	14:43
Site 4	LOW	2:45	9:54	9:31	9:03	8:31	10:22	LOW	2:45	9:56	8:59	8:36
Depot Road (Sandy Point)	HIGH	2:45	16:09	15:43	15:13	14:41	16:37	HIGH	2:45	16:09	15:11	14:48
Site 5	LOW	2:40	9:49	9:26	8:58	8:26	10:17	LOW	2:40	9:51	8:54	8:31
Portsmouth Country Club	HIGH	2:20	15:44	15:18	14:48	14:16	16:12	HIGH	2:20	15:44	14:46	14:23
Site 6	LOW	2:00	9:09	8:46	8:18	7:46	9:37	LOW	2:00	9:11	8:14	7:51
Fox Point	HIGH	2:00	15:24	14:58	14:28	13:56	15:52	HIGH	2:00	15:24	14:26	14:03
Site 7	LOW	1:50	8:59	8:36	8:08	7:36	9:27	LOW	1:50	9:01	8:04	7:41
Cedar Point	HIGH	1:55	15:19	14:53	14:23	13:51	15:47	HIGH	1:55	15:19	14:21	13:58
Site 9	LOW	1:20	8:29	8:06	7:38	7:06	8:57	LOW	1:20	8:31	7:34	7:11
Cochecho River	HIGH	1:20	14:44	14:18	13:48	13:16	15:12	HIGH	1:20	14:44	13:46	13:23
Site 10	LOW	1:20	8:29	8:06	7:38	7:06	8:57	LOW	1:20	8:31	7:34	7:11
Piscataqua River	HIGH	1:20	14:44	14:18	13:48	13:16	15:12	HIGH	1:20	14:44	13:46	13:23
Site 11	LOW	0:16	7:25	7:02	6:34	6:49	7:53	LOW	0:16	7:27	6:30	6:34
Coastal Marine Lab	HIGH	0:16	13:40	13:14	12:44	12:12	14:08	HIGH	0:16	13:40	12:42	12:19

**Times taken from Portland, ME tides on calendar + 16 min. for Portsmouth, NH tides + local delay.
 Use these time/tidal adjustments with monthly calendar for canoeing, kayaking, or sailing near GBCW sites.
 \\10.10.100.21\gbcw files\Office Organization\Gr

Appendix A Monitoring Schedule

Tidal and Sampling Times for 2007 Season



2007

2008

	Tidal Adjustment**		16-Jul	14-Aug	12-Sep	11-Oct	29-Oct	Tidal Adjustment**		22-Apr	20-May	18-Jun
	LOW	HIGH	7:09	6:46	6:18	5:46	7:37	LOW	HIGH	7:11	6:14	5:51
			13:24	12:58	12:28	11:56	13:52			13:24	12:26	12:03
Site 13 Marina Falls Landing	LOW	3:00	10:09	9:46	9:18	8:46	10:37	LOW	3:00	10:11	9:14	8:51
	HIGH	3:00	16:24	15:58	15:28	14:56	16:52	HIGH	3:00	16:24	15:26	15:03
Site 14 Fowler's Dock	LOW	3:00	10:09	9:46	9:18	8:46	10:37	LOW	3:00	10:11	9:14	8:51
	HIGH	3:00	16:24	15:58	15:28	14:56	16:52	HIGH	3:00	16:24	15:26	15:03
Site 15 Patten Yacht Yard, Inc.	LOW	1:00	8:09	7:46	7:18	6:49	8:40	LOW	1:00	8:09	7:14	7:18
	HIGH	1:00	14:24	13:58	13:28	12:56	14:52	HIGH	1:00	14:24	13:26	13:28
Site 16 Exeter Docks	LOW	2:50	9:59	9:36	9:08	8:36	10:27	LOW	2:50	9:59	9:04	9:08
	HIGH	3:10	16:34	16:08	15:38	15:06	17:02	HIGH	3:10	16:34	15:36	15:38
Site 17 Dover Foot Bridge	LOW	2:50	9:59	9:36	9:08	8:36	10:27	LOW	2:50	9:59	9:04	9:08
	HIGH	3:10	16:34	16:08	15:38	15:06	17:02	HIGH	3:10	16:34	15:36	15:38
Site 18 Maplewood Ave	LOW	1:01	8:10	7:47	7:19	6:47	8:38	LOW	1:01	8:12	7:15	6:52
	HIGH	1:01	14:25	13:59	13:29	12:57	14:53	HIGH	1:01	14:25	13:27	13:04
Site 19 Bartlett St.	LOW	1:01	8:10	7:47	7:19	6:47	8:38	LOW	1:01	8:12	7:15	6:52
	HIGH	1:01	14:25	13:59	13:29	12:57	14:53	HIGH	1:01	14:25	13:27	13:04
Site 20 Junkins Ave.	LOW	1:01	8:10	7:47	7:19	6:47	8:38	LOW	1:01	8:12	7:15	6:52
	HIGH	1:01	14:25	13:59	13:29	12:57	14:53	HIGH	1:01	14:25	13:27	13:04
Site 21 Pleasant St.	LOW	1:01	8:10	7:47	7:19	6:47	8:38	LOW	1:01	8:12	7:15	6:52
	HIGH	1:01	14:25	13:59	13:29	12:57	14:53	HIGH	1:01	14:25	13:27	13:04
Site 22 Little Harbor School	LOW	1:01	8:10	7:47	7:19	6:47	8:38	LOW	1:01	8:12	7:15	6:52
	HIGH	1:01	14:25	13:59	13:29	12:57	14:53	HIGH	1:01	14:25	13:27	13:04

**Times taken from Portland, ME tides on calendar + 16 min. for Portsmouth, NH tides + local delay.
Use these time/tidal adjustments with monthly calendar for canoeing, kayaking, or sailing near GBCW sites.
\\10.10.100.21\gbcw files\Office Organization\Gr

Time and Mileage Report

First Quarter



UNIVERSITY of NEW HAMPSHIRE
COOPERATIVE EXTENSION



Project *GBCW - Water Quality and
Phytoplankton Monitoring*
Sponsor **NHCP**

From **7/1/2007** To **9/30/2007**

Grant Number 13V098 **Project Starts** 8/22/2007 **Project Ends** 12/31/2008

Report Time and Milage

Activity **Area Leader Support**

Date	Time (min.)	Miles	FirstName	LastName
9/12/2007	40	68	Nate	Hazen
9/12/2007	300	30	Clif	Horrigan

Summary for 'Activity' = Area Leader Support (2 detail records)

Sum **340** **98**

Appendix B Time & Milage Report for All Quarters

Grant Number **Project Starts** **Project Ends**
 13V098 8/22/2007 12/31/2008

Activity **BBQ**

Date	Time (min.)	Miles	FirstName	LastName
8/29/2007	210	20	Nate	Hazen
8/29/2007	180	15	Gail	Pare
8/29/2007	180	15	Jack	Pare
8/29/2007	120	40	Ron	Morales
8/29/2007	5610	285	Public	
8/29/2007	180	25	Don	Chamberland
8/29/2007	120	0	David	Borden
8/29/2007	240	25	Erin	Pender
8/29/2007	240	10	Angela	Hiley
8/29/2007	180	35	Steve	Cooper
8/29/2007	240	8	Clif	Horrigan
8/29/2007	180	32	John	Crandall
8/29/2007	120	6	Jeff	Gardner
8/29/2007	180	0	Elizabeth (Ibby)	Lourie
8/29/2007	180	58	Wally	Fries
8/29/2007	180	25	Lillian (Liz)	Sizemore
8/29/2007	180	12	Victor	Tine
8/29/2007	120	10	Peter	Richardson

Summary for 'Activity' = BBQ (18 detail records)

Sum **8640** **621**

Activity **BBQ - Aliquo**

Date	Time (min.)	Miles	FirstName	LastName
8/29/2007	180	3	Public	

Summary for 'Activity' = BBQ - Aliquo (1 detail record)

Sum **180** **3**

Activity **Calibration**

Date	Time (min.)	Miles	FirstName	LastName
8/31/2007	195	34	Nate	Hazen
9/5/2007	240	38	Lillian (Liz)	Sizemore
9/5/2007	240	26	Angela	Hiley
9/5/2007	300	20	Amber	Perkins

Summary for 'Activity' = Calibration (4 detail records)

Sum **975** **118**

Appendix B Time & Milage Report for All Quarters

Grant Number **Project Starts** **Project Ends**
 13V098 8/22/2007 12/31/2008

Activity **Clerical Work**

Date	Time (min.)	Miles	FirstName	LastName
8/27/2007	300	0	Mary	Loughlin
9/10/2007	180	0	Mary	Loughlin

Summary for 'Activity' = Clerical Work (2 detail records)

Sum **480** **0**

Activity **Community Festival**

Date	Time (min.)	Miles	FirstName	LastName
9/18/2007	210	12	Tom	Crosby
9/18/2007	150	26	Angela	Hiley

Summary for 'Activity' = Community Festival (2 detail records)

Sum **360** **38**

Activity **Data Review**

Date	Time (min.)	Miles	FirstName	LastName
9/24/2007	90	6	Tom	Crosby

Summary for 'Activity' = Data Review (1 detail record)

Sum **90** **6**

Activity **Kit Care**

Date	Time (min.)	Miles	FirstName	LastName
9/10/2007	15	7	Steve	Loos
9/11/2007	80	46	Elizabeth (Ibby)	Lourie
9/11/2007	30	20	Gail	Pare
9/11/2007	90	17	Nate	Hazen

Summary for 'Activity' = Kit Care (4 detail records)

Sum **215** **90**

Activity **Laboratory Cleanup**

Date	Time (min.)	Miles	FirstName	LastName
9/10/2007	60	8	Erin	Pender
9/18/2007	150	8	Erin	Pender

Summary for 'Activity' = Laboratory Cleanup (2 detail records)

Sum **210** **16**

Activity **Laboratory Counts**

Date	Time (min.)	Miles	FirstName	LastName
9/13/2007	90	6	Karen	Diamond
9/13/2007	120	4	Vasiliki (Vaso)	ParTinoudi

Summary for 'Activity' = Laboratory Counts (2 detail records)

Sum **210** **10**

Appendix B Time & Milage Report for All Quarters

Grant Number	Project Starts	Project Ends
13V098	8/22/2007	12/31/2008

Activity **Laboratory Processing**

Date	Time (min.)	Miles	FirstName	LastName
9/12/2007	330	50	Heather	Hochuli
9/12/2007	180	4	Vasiliki (Vaso)	ParTinoudi
9/12/2007	270	14	Pam	Samson
9/12/2007	270	12	Karen	Diamond

Summary for 'Activity' = Laboratory Processing (4 detail records)

Sum	1050	80
------------	-------------	-----------

Appendix B Time & Milage Report for All Quarters

Grant Number

13V098

Project Starts

8/22/2007

Project Ends

12/31/2008

Activity **Monthly Sampling**

Date	Time (min.)	Miles	FirstName	LastName
8/22/2007	115	45	Polly	Davie
8/31/2007	180	0	Nikolas	Townsend
8/31/2007	180	20	Sherri	Townsend
9/12/2007	225	17	Sue	McCarthy
9/12/2007	290	15	Dale	Goodwin
9/12/2007	80	14	Eleanor (Muffie)	Hendricks
9/12/2007	125	24	Dick	Ferraro
9/12/2007	143	7	Angela	Hiley
9/12/2007	130	45	Polly	Davie
9/12/2007	75	0	John	Davie
9/12/2007	50	15	Wendy	Harris
9/12/2007	150	51	Lillian (Liz)	Sizemore
9/12/2007	120	56	Linda	Albright
9/12/2007	135	36	Nancy	Alcock
9/12/2007	107	17	Tracy	Wood
9/12/2007	105	0	Barbara	Winter
9/12/2007	90	6	Erin	Baird
9/12/2007	120	5	David	Borden
9/12/2007	270	50	Sherri	Townsend
9/12/2007	270	0	Nikolas	Townsend
9/12/2007	95	18	Victor	Tine
9/12/2007	80	15	Wes	Tator
9/12/2007	260	42	Elizabeth (Ibby)	Lourie
9/12/2007	280	100	Ann	Smith
9/12/2007	100	40	Don	Chamberland
9/12/2007	120	0	Nancy	Borden
9/12/2007	75	6	Peter	Richardson
9/12/2007	170	32	Gail	Pare
9/12/2007	90	6	Peggy	Mullin
9/12/2007	240	56	Ron	Morales
9/12/2007	180	15	Sarah	Low
9/12/2007	250	10	Bev	Brinkman
9/12/2007	200	28	Mary	Loughlin
9/12/2007	170	24	Steve	Loos

Appendix B Time & Milage Report for All Quarters

Grant Number	Project Starts	Project Ends
13V098	8/22/2007	12/31/2008
9/12/2007	180 20 Jennifer	Lee

Summary for 'Activity' = Monthly Sampling (35 detail records)

Sum 5450 835

Activity **Monthly Sampling Aliquo**

Date	Time (min.)	Miles	FirstName	LastName
9/12/2007	40	5	Public	

Summary for 'Activity' = Monthly Sampling Aliquo (1 detail record)

Sum 40 5

Activity **Monthly Sampling Hall**

Date	Time (min.)	Miles	FirstName	LastName
9/12/2007	130	34	Public	

Summary for 'Activity' = Monthly Sampling Hall (1 detail record)

Sum 130 34

Activity **Monthly Sampling Hood**

Date	Time (min.)	Miles	FirstName	LastName
9/12/2007	75	6	Public	

Summary for 'Activity' = Monthly Sampling Hood (1 detail record)

Sum 75 6

Activity **Monthly Sampling Keith**

Date	Time (min.)	Miles	FirstName	LastName
9/12/2007	110	3	Public	

Summary for 'Activity' = Monthly Sampling Keith (1 detail record)

Sum 110 3

Activity **Phytoplankton Sampling**

Date	Time (min.)	Miles	FirstName	LastName
8/27/2007	60	2	Lyn	Beattie
8/27/2007	90	4	Nancy	Donovan
8/27/2007	90	4	Dorothy	Kilcoyne
8/27/2007	120	0	Victor	Tine
8/27/2007	90	4	Marcia	McDonald
8/27/2007	120	15	Peter	Richardson
8/27/2007	60	6	Conni	Scully
9/3/2007	90	4	Renae	Broderick
9/3/2007	90	5	Lyn	Beattie
9/3/2007	90	4	Conni	Scully
9/4/2007	120	10	Dorothy	Kilcoyne

Summary for 'Activity' = Phytoplankton Sampling (11 detail records)

Sum 1020 58

Appendix B Time & Milage Report for All Quarters

Grant Number **Project Starts** **Project Ends**
 13V098 8/22/2007 12/31/2008

Activity QA/QC Certification

Date	Time (min.)	Miles	FirstName	LastName
8/22/2007	90	40	Patty	Warren
8/22/2007	90	9	Jennifer	Lee
8/22/2007	150	38	Lillian (Liz)	Sizemore
8/22/2007	180	32	Elizabeth (Ibby)	Lourie
8/22/2007	120	25	Erin	Baird

Summary for 'Activity' = QA/QC Certification (5 detail records)

Sum 630 144

Activity QA/QC Team

Date	Time (min.)	Miles	FirstName	LastName
8/22/2007	240	55	Candace	Dolan
8/22/2007	240	6	Barbara	Trow
8/22/2007	240	8	Clif	Horrigan
8/22/2007	2780	34	Nate	Hazen
9/12/2007	170	5	Barbara	Trow

Summary for 'Activity' = QA/QC Team (5 detail records)

Sum 3670 108

Summary for 'Project' = GBCW - Water Quality and Phytoplankton Monitoring (102 detail records)

	Time (Minutes)	Miles	Time Value : \$	18.77
Sum	<input type="text" value="23875.00"/>	<input type="text" value="2273.00"/>	Mileage Value: \$	0.485
Value	<input type="text" value="\$7,468.90"/>	<input type="text" value="\$1,102.41"/>	Total Value	<input type="text" value="\$8,571.30"/>

Matching Funds

Source	Amount	Inkind Match	Comments
July - September	\$8,571.30		Volunteer Time & Mileage

Total: \$8,571.30

Donations

Amount	Date Given	Comments	Contact ID
\$0.00	7/1/2007		0

Total: \$0.00

Grand Total Match: \$8,571.30

Time and Mileage Report

Second Quarter



UNIVERSITY of NEW HAMPSHIRE
COOPERATIVE EXTENSION



Project

*GBCW - Water Quality and
Phytoplankton Monitoring*

Sponsor

NHCP

From 10/1/2007 To 12/31/2007

Grant Number

13V098

Project Starts

8/22/2007

Project Ends

12/31/2008

Report Time and Milage

Activity **Area Leader Support**

Date	Time (min.)	Miles	FirstName	LastName
10/8/2007	90	0	Nate	Hazen
10/11/2007	240	30	Clif	Horrigan
10/22/2007	45	0	Nate	Hazen
10/29/2007	300	32	Clif	Horrigan

Summary for 'Activity' = Area Leader Support (4 detail records)

Sum **675** **62**

Appendix B Time & Milage Report for All Quarters

Grant Number **Project Starts** **Project Ends**
 13V098 8/22/2007 12/31/2008

Activity **Chili and Chowdah Fest**

Date	Time (min.)	Miles	FirstName	LastName
11/29/2007	120	8	Dick	Ferraro
11/29/2007	210	16	Nate	Hazen
11/29/2007	60	15	Nancy	Borden
11/29/2007	90	10	Angela	Hiley
11/29/2007	120	30	Lorie	Chase
11/29/2007	120	10	Tony	Bower
11/29/2007	60	8	Barbara	Winter
11/29/2007	120	12	Jane	Harrington
11/29/2007	210	28	Marcia	McDonald
11/29/2007	210	16	Clif	Horrigan
11/29/2007	150	18	Sue	McCarthy
11/29/2007	150	20	Wendy	Harris
11/29/2007	240	25	Steve	Cooper
11/29/2007	240	56	Wally	Fries
11/29/2007	240	25	Dave	Bellantone
11/29/2007	270	40	Peggy	Mullin
11/29/2007	480	9	Public	
11/29/2007	120	10	Don	Chamberland

Summary for 'Activity' = Chili and Chowdah Fest (18 detail records)

Sum **3210** **356**

Activity **Clerical Work**

Date	Time (min.)	Miles	FirstName	LastName
10/18/2007	180	0	Heather	Hochuli
10/20/2007	150	0	Heather	Hochuli
10/20/2007	150	0	Mary	Loughlin
10/22/2007	120	0	Mary	Loughlin
10/23/2007	450	0	Heather	Hochuli
11/10/2007	120	0	Heather	Hochuli
11/15/2007	150	0	Heather	Hochuli
11/19/2007	120	0	Heather	Hochuli
11/20/2007	180	0	Mary	Loughlin
11/25/2007	60	0	Heather	Hochuli

Summary for 'Activity' = Clerical Work (10 detail records)

Sum **1680** **0**

Appendix B Time & Milage Report for All Quarters

Grant Number **Project Starts** **Project Ends**
 13V098 8/22/2007 12/31/2008

Activity **Committee Meeting**

Date	Time (min.)	Miles	FirstName	LastName
11/8/2007	135	17	Nate	Hazen

Summary for 'Activity' = Committee Meeting (1 detail record)

Sum **135** **17**

Activity **Community Festival**

Date	Time (min.)	Miles	FirstName	LastName
11/12/2007	240	8	Clif	Horrigan

Summary for 'Activity' = Community Festival (1 detail record)

Sum **240** **8**

Activity **Data Handling - Messler**

Date	Time (min.)	Miles	FirstName	LastName
12/5/2007	45	7	Oyster River High School	

Summary for 'Activity' = Data Handling - Messler (1 detail record)

Sum **45** **7**

Activity **Data Handling - Salloway**

Date	Time (min.)	Miles	FirstName	LastName
12/5/2007	45	0	Oyster River High School	

Summary for 'Activity' = Data Handling - Salloway (1 detail record)

Sum **45** **0**

Activity **Data Review**

Date	Time (min.)	Miles	FirstName	LastName
10/12/2007	30	6	Tom	Crosby
10/15/2007	90	6	Tom	Crosby

Summary for 'Activity' = Data Review (2 detail records)

Sum **120** **12**

Activity **Kit Care**

Date	Time (min.)	Miles	FirstName	LastName
10/9/2007	30	17	Nate	Hazen
11/14/2007	180	30	Clif	Horrigan

Summary for 'Activity' = Kit Care (2 detail records)

Sum **210** **47**

Appendix B Time & Milage Report for All Quarters

Grant Number **Project Starts** **Project Ends**
 13V098 8/22/2007 12/31/2008

Activity Laboratory Cleanup

Date	Time (min.)	Miles	FirstName	LastName
10/4/2007	150	8	Erin	Pender
10/12/2007	60	0	Erin	Pender
10/16/2007	180	8	Erin	Pender
10/17/2007	150	8	Erin	Pender
10/18/2007	60	0	Erin	Pender
11/14/2007	150	8	Erin	Pender

Summary for 'Activity' = Laboratory Cleanup (6 detail records)

Sum 750 32

Activity Laboratory Counts

Date	Time (min.)	Miles	FirstName	LastName
10/12/2007	120	36	Dave	Bellantone
10/12/2007	90	5	Melissa	Smith
10/30/2007	90	6	Karen	Diamond
10/30/2007	180	50	Emery	Hutchins

Summary for 'Activity' = Laboratory Counts (4 detail records)

Sum 480 97

Activity Laboratory Processing

Date	Time (min.)	Miles	FirstName	LastName
10/11/2007	240	6	Karen	Diamond
10/11/2007	300	50	Heather	Hochuli
10/11/2007	180	4	Vasiliki (Vaso)	ParTinoudi
10/11/2007	180	10	Melissa	Smith
10/11/2007	300	14	Pam	Samson
10/29/2007	345	7	WSBE	
10/29/2007	210	50	Heather	Hochuli
10/29/2007	300	14	Pam	Samson
10/29/2007	300	6	Karen	Diamond
10/29/2007	180	5	Vasiliki (Vaso)	ParTinoudi

Summary for 'Activity' = Laboratory Processing (10 detail records)

Sum 2535 166

Appendix B Time & Milage Report for All Quarters

Grant Number **Project Starts** **Project Ends**
 13V098 8/22/2007 12/31/2008

Activity **Monthly Sampling**

Date	Time (min.)	Miles	FirstName	LastName
10/11/2007	180	30	Wendy	Harris
10/11/2007	130	17	Jane	Harrington
10/11/2007	245	15	Dale	Goodwin
10/11/2007	55	0	Audrey	Fortin
10/11/2007	115	48	Chris	Hall
10/11/2007	140	29	Dick	Ferraro
10/11/2007	105	15	Nate	Hazen
10/11/2007	40	5	David	Borden
10/11/2007	180	0	Oyster River High School	
10/11/2007	80	30	Public	
10/11/2007	185	51	Polly	Davie
10/11/2007	65	0	John	Davie
10/11/2007	65	5	Christina	Aliquo
10/11/2007	330	67	Tom	Crosby
10/11/2007	215	65	Don	Chamberland
10/11/2007	40	0	Nancy	Borden
10/11/2007	80	10	Wes	Elmer
10/11/2007	55	0	Russell	Pope
10/11/2007	250	50	Elizabeth (Ibby)	Lourie
10/11/2007	200	17	Sue	McCarthy
10/11/2007	130	10	Mary	Loughlin
10/11/2007	160	30	Steve	Loos
10/11/2007	120	15	Jennifer	Lee
10/11/2007	240	56	Ron	Morales
10/11/2007	240	65	Joel	Kerbrat
10/11/2007	150	40	Peggy	Mullin
10/11/2007	165	30	Gail	Pare
10/11/2007	140	4	Sarah	Low
10/11/2007	160	100	Laura	Parsons
10/11/2007	150	38	Lillian (Liz)	Sizemore
10/11/2007	70	17	Wes	Tator
10/11/2007	90	18	Victor	Tine
10/11/2007	60	20	Jack	Pare

Appendix B Time & Milage Report for All Quarters

Grant Number	Project Starts		Project Ends
13V098	8/22/2007		12/31/2008
10/11/2007	67	14	Eleanor (Muffie) Hendricks
10/11/2007	117	17	Tracy Wood
10/11/2007	240	30	Sherri Townsend
10/11/2007	110	0	Barbara Winter
10/11/2007	180	0	Nikolas Townsend
10/11/2007	118	7	Angela Hiley
10/11/2007	200	45	Emery Hutchins
10/29/2007	235	15	Dale Goodwin
10/29/2007	140	2	Sarah Low
10/29/2007	165	56	Tracy Wood
10/29/2007	285	58	Nate Hazen
10/29/2007	80	0	Barbara Winter
10/29/2007	210	17	Sue McCarthy
10/29/2007	70	3	Erin Baird
10/29/2007	90	6	Nancy Alcock
10/29/2007	150	0	Oyster River High School
10/29/2007	240	56	Ron Morales
10/29/2007	65	15	Wes Tator
10/29/2007	180	40	Sherri Townsend
10/29/2007	65	20	Peggy Mullin
10/29/2007	120	25	Gail Pare
10/29/2007	80	10	Christina Aliquo
10/29/2007	10	0	Russell Pope
10/29/2007	165	38	Peter Richardson
10/29/2007	180	14	John Scott, Jr.
10/29/2007	125	56	Lillian (Liz) Sizemore
10/29/2007	65	12	Patty Warren
10/29/2007	240	40	Emery Hutchins
10/29/2007	100	40	Wendy Harris
10/29/2007	240	21	Jane Harrington
10/29/2007	100	48	Chris Hall
10/29/2007	60	0	Audrey Fortin
10/29/2007	120	7	Angela Hiley
10/29/2007	140	8	Wes Elmer

Appendix B Time & Milage Report for All Quarters

Grant Number	Project Starts			Project Ends	
13V098		8/22/2007			12/31/2008
	10/29/2007	225	58	Elizabeth (Ibby)	Lourie
	10/29/2007	205	60	Polly	Davie
	10/29/2007	120	5	Nancy	Borden
	10/29/2007	235	65	Don	Chamberland
	10/29/2007	90	15	Steve	Loos
	10/29/2007	125	0	John	Davie
	10/29/2007	190	80	Joel	Kerbrat
	10/29/2007	120	5	Bev	Brinkman
	10/29/2007	155	50	Mary	Loughlin
	10/29/2007	30	0	David	Borden
	10/29/2007	160	24	Dick	Ferraro
	11/7/2007	180	30	Sue	McCarthy

Summary for 'Activity' = Monthly Sampling (79 detail records)

Sum 11217 2009

Activity **Monthly Sampling Jkath**

<u>Date</u>	<u>Time (min.)</u>	<u>Miles</u>	<u>FirstName</u>	<u>LastName</u>
10/11/2007	90	10	Public	
10/29/2007	180	4	Public	

Summary for 'Activity' = Monthly Sampling Jkath (2 detail records)

Sum 270 14

Activity **Monthly Sampling Wkath**

<u>Date</u>	<u>Time (min.)</u>	<u>Miles</u>	<u>FirstName</u>	<u>LastName</u>
10/11/2007	210	40	Public	
10/29/2007	220	24	Public	

Summary for 'Activity' = Monthly Sampling Wkath (2 detail records)

Sum 430 64

Appendix B Time & Milage Report for All Quarters

Grant Number **Project Starts** **Project Ends**
 13V098 8/22/2007 12/31/2008

Activity **Phytoplankton Sampling**

Date	Time (min.)	Miles	FirstName	LastName
10/1/2007	75	5	Rena	Broderick
10/1/2007	75	5	Conni	Scully
10/5/2007	120	40	Public	
10/7/2007	150	30	Don	Chamberland
10/7/2007	150	36	Joseph	Donahue
10/8/2007	75	5	Conni	Scully
10/8/2007	75	5	Rena	Broderick
10/15/2007	90	5	Rena	Broderick
10/15/2007	150	36	Joseph	Donahue
10/15/2007	150	30	Don	Chamberland
10/15/2007	90	2	Lyn	Beattie
10/15/2007	90	6	Conni	Scully
10/21/2007	150	30	Don	Chamberland
10/21/2007	150	36	Joseph	Donahue

Summary for 'Activity' = Phytoplankton Sampling (14 detail records)

Sum **1590** **271**

Activity **Special Function**

Date	Time (min.)	Miles	FirstName	LastName
10/22/2007	150	10	Conni	Scully
10/22/2007	150	10	Rena	Broderick
10/22/2007	150	10	Nancy	Donovan
10/22/2007	150	10	Dorothy	Kilcoyne
10/22/2007	150	20	Don	Chamberland
10/22/2007	150	20	Tony	Bower
10/22/2007	150	20	Wally	Fries
10/22/2007	150	20	Lyn	Beattie

Summary for 'Activity' = Special Function (8 detail records)

Sum **1200** **120**

Activity **Training**

Date	Time (min.)	Miles	FirstName	LastName
10/1/2007	120	25	Christina	Aliquo
11/16/2007	660	6	Barbara	Trow

Summary for 'Activity' = Training (2 detail records)

Sum **780** **31**

Appendix B Time & Milage Report for All Quarters

Grant Number **Project Starts** **Project Ends**
 13V098 8/22/2007 12/31/2008

Activity **Training Heinlein**

Date	Time (min.)	Miles	FirstName	LastName
10/29/2007	120	16	Public	

Summary for 'Activity' = Training Heinlein (1 detail record)

Sum **120** **16**

Summary for 'Project' = GBCW - Water Quality and Phytoplankton Monitoring (168 detail records)

	Time (Minutes)	Miles	Time Value :	\$	18.77
Sum	<input type="text" value="25732.00"/>	<input type="text" value="3329.00"/>	Mileage Value:	\$	0.485
Value	<input type="text" value="\$8,049.83"/>	<input type="text" value="\$1,614.57"/>	Total Value	<input type="text" value="\$9,664.39"/>	

Matching Funds

Source	Amount	Inkind Match	Comments
July - September	\$8,571.30	Volunteer Time & Mileage	
October-December	\$9,664.39	Volunteer Time & Mileage	
Total:	\$18,235.69		

Donations

Amount	Date Given	Comments	Contact ID
\$30.00	11/28/2007	Hannaford food for Chili and Chowdah Fest	0
\$300.00	10/11/2007	Russound for Monitoring Supplies	0
\$800.00	10/29/2007	A MIC D microscope on loan from NOAA	0
\$25.00	11/28/2007	Harvey's Bakeries Bread and Rolls for Chili	0
Total:	\$1,155.00		

Grand Total Match: \$19,390.69

Time and Mileage Report

Third Quarter



UNIVERSITY of NEW HAMPSHIRE
COOPERATIVE EXTENSION



Project *GBCW - Water Quality and
Phytoplankton Monitoring*
Sponsor **NHCP**

From 1/1/2008 To 3/31/2008

Grant Number **13V098** Project Starts **8/22/2007** Project Ends **12/31/2008**

Report Time and Milage

Activity **Annual Meeting**

Date	Time (min.)	Miles	FirstName	LastName
3/11/2008	210	12	Peggy	Mullin
3/11/2008	180	30	Dave	Bellantone
3/11/2008	180	8	Sue	McCarthy
3/11/2008			Nate	Hazen
3/11/2008	210	0	Lori	Lavac
3/11/2008	240	0	Elizabeth (Ibby)	Lourie
3/11/2008	240	40	Sibylle	Carlson
3/11/2008	240	20	Clif	Horrigan
3/11/2008	240	20	Angela	Hiley
3/11/2008	270	44	Lillian (Liz)	Sizemore
3/11/2008	240	12	Meredith	Maus
3/11/2008	1230	71	Public	
3/11/2008	330	11	Chelsea	Cathcart

Summary for 'Activity' = Annual Meeting (13 detail records)

Sum 3810 268

Appendix B Time & Milage Report for All Quarters

Grant Number **Project Starts** **Project Ends**
 13V098 8/22/2007 12/31/2008

Activity Calibration

Date	Time (min.)	Miles	FirstName	LastName
2/12/2008	210	0	Elizabeth (Ibby)	Lourie
2/12/2008	270	30	Sue	McCarthy
2/12/2008	120	6	Meredith	Maus
2/15/2008	210	16	Sherri	Townsend
2/15/2008	210	0	Nikolas	Townsend

Summary for 'Activity' = Calibration (5 detail records)

Sum **1020** **52**

Activity Clerical Work

Date	Time (min.)	Miles	FirstName	LastName
2/29/2008	60	0	Meredith	Maus
3/3/2008	450	15	Chelsea	Cathcart
3/4/2008	390	15	Chelsea	Cathcart
3/5/2008	180	6	Meredith	Maus
3/10/2008	390	15	Chelsea	Cathcart
3/11/2008	240	12	Meredith	Maus
3/11/2008	240	15	Chelsea	Cathcart
3/12/2008	150	15	Chelsea	Cathcart
3/13/2008	330	17	Chelsea	Cathcart
3/14/2008	120	15	Chelsea	Cathcart
3/24/2008	360	53	Chelsea	Cathcart
3/25/2008	300	73	Chelsea	Cathcart
3/26/2008	180	0	Chelsea	Cathcart

Summary for 'Activity' = Clerical Work (13 detail records)

Sum **3390** **251**

Activity Community Festival

Date	Time (min.)	Miles	FirstName	LastName
3/6/2008	420	25	Chelsea	Cathcart

Summary for 'Activity' = Community Festival (1 detail record)

Sum **420** **25**

Activity Interview

Date	Time (min.)	Miles	FirstName	LastName
2/8/2008	30	0	Meredith	Maus
2/25/2008	450	15	Chelsea	Cathcart

Summary for 'Activity' = Interview (2 detail records)

Sum **480** **15**

Appendix B Time & Milage Report for All Quarters

Grant Number **Project Starts** **Project Ends**
 13V098 8/22/2007 12/31/2008

Activity Kit Care

Date	Time (min.)	Miles	FirstName	LastName
2/12/2008	150	36	Nancy (Alcock)	Hood
2/18/2008	300	38	Lillian (Liz)	Sizemore
2/20/2008	390	6	Meredith	Maus
2/20/2008	180	26	Angela	Hiley
3/5/2008	330	15	Chelsea	Cathcart
3/17/2008	405	15	Chelsea	Cathcart

Summary for 'Activity' = Kit Care (6 detail records)

Sum **1755** **136**

Activity Teaching

Date	Time (min.)	Miles	FirstName	LastName
3/13/2008	180	120	Laura	Parsons
3/13/2008	120	0	Chelsea	Cathcart
3/24/2008	180	0	Nikolas	Townsend
3/24/2008	120	50	Chelsea	Cathcart
3/24/2008	180	16	Sherri	Townsend
3/26/2008	120	62	Chelsea	Cathcart

Summary for 'Activity' = Teaching (6 detail records)

Sum **900** **248**

Activity Training

Date	Time (min.)	Miles	FirstName	LastName
3/4/2008	120	0	Chelsea	Cathcart
3/4/2008	120	25	Christina	Aliquo
3/4/2008	120	160	Wes	Elmer
3/13/2008	15	0	Oyster River High School	
3/13/2008	3300	60	Marshwood High School	
3/13/2008	150	20	Jeff	Gardner
3/24/2008	120		Sibylle	Carlson
3/24/2008	210		Chris	Hall
3/24/2008	180	20	Sarah	Low

Summary for 'Activity' = Training (9 detail records)

Sum **4335** **285**

Appendix B Time & Milage Report for All Quarters

Grant Number
13V098

Project Starts
8/22/2007

Project Ends
12/31/2008

Summary for 'Project' = GBCW - Water Quality and Phytoplankton Monitoring (55 detail records)

	Time (Minutes)	Miles	Time Value : \$	19.77
Sum	16110.00	1280.00	Mileage Value: \$	0.505
Value	\$5,308.25	\$646.40	Total Value	\$5,954.65

Matching Funds

Source	Amount	Inkind Match	Comments
July - September	\$8,571.30	Volunteer Time & Mileage	
October-December	\$9,664.39	Volunteer Time & Mileage	
January-March	\$5,954.65	Volunteer Time & Mileage	
Total:	\$24,190.34		

Donations

Amount	Date Given	Comments	Contact ID
\$30.00	11/28/2007	Hannaford food for Chili and Chowdah Fest	0
\$300.00	10/11/2007	Russound for Monitoring Supplies	0
\$800.00	10/29/2007	A MIC D microscope on loan from NOAA	0
\$25.00	11/28/2007	Harvey's Bakeries Bread and Rolls for Chili	0
Total:	\$1,155.00		

Grand Total Match: \$25,345.34

Time and Mileage Report

Fourth Quarter



UNIVERSITY of NEW HAMPSHIRE
COOPERATIVE EXTENSION



Project *GBCW - Water Quality and
Phytoplankton Monitoring*
Sponsor **NHCP**

From 4/1/2008 To 6/30/2008

Grant Number **13V098** Project Starts **8/22/2007** Project Ends **12/31/2008**

Report Time and Milage

Activity **Area Leader Support**

Date	Time (min.)	Miles	FirstName	LastName
4/17/2008	75	0	Nate	Hazen
4/22/2008	240	30	Clif	Horrigan
4/22/2008	285	62	Nate	Hazen
5/13/2008	75	0	Nate	Hazen
6/11/2008	48	0	Nate	Hazen
6/18/2008	120	23	Tom	Crosby

Summary for 'Activity' = Area Leader Support (6 detail records)

Sum 843 115

Activity **Calibration**

Date	Time (min.)	Miles	FirstName	LastName
4/9/2008	120	0	Sherri	Townsend
4/10/2008	120	0	Sherri	Townsend
4/14/2008	90	15	Sherri	Townsend

Summary for 'Activity' = Calibration (3 detail records)

Sum 330 15

Activity **Clerical Work**

Date	Time (min.)	Miles	FirstName	LastName
4/9/2008	240	6	Meredith	Maus
4/16/2008	270	6	Meredith	Maus
5/27/2008	120	0	Heather	Hochuli
6/24/2008	390	0	Mary	Loughlin

Summary for 'Activity' = Clerical Work (4 detail records)

Sum 1020 12

Appendix B Time & Milage Report for All Quarters

Grant Number **Project Starts** **Project Ends**
 13V098 8/22/2007 12/31/2008

Activity Community Festival

Date	Time (min.)	Miles	FirstName	LastName
4/17/2008	150	10	Sarah	Low

Summary for 'Activity' = Community Festival (1 detail record)

Sum **150** **10**

Activity Costal Cleanup

Date	Time (min.)	Miles	FirstName	LastName
4/18/2008	2970	40	Berwick Academy	

Summary for 'Activity' = Costal Cleanup (1 detail record)

Sum **2970** **40**

Activity Kit Care

Date	Time (min.)	Miles	FirstName	LastName
5/19/2008	30	10	John	Crandall

Summary for 'Activity' = Kit Care (1 detail record)

Sum **30** **10**

Activity Laboratory Cleanup

Date	Time (min.)	Miles	FirstName	LastName
5/9/2008	180	6	Meredith	Maus
6/4/2008	150	15	Betsy	D'Arcy
6/4/2008	225	8	Erin	Pender
6/20/2008	210	15	Betsy	D'Arcy
6/22/2008	150	15	Betsy	D'Arcy

Summary for 'Activity' = Laboratory Cleanup (5 detail records)

Sum **915** **59**

Activity Laboratory Counts

Date	Time (min.)	Miles	FirstName	LastName
4/23/2008	90	0	Karen	Diamond
5/21/2008	140	30	Kathy	Watson
5/21/2008	90	0	Karen	Diamond
6/19/2008	120	10	Amber	Perkins
6/19/2008	90	6	Karen	Diamond

Summary for 'Activity' = Laboratory Counts (5 detail records)

Sum **530** **46**

Appendix B Time & Milage Report for All Quarters

Grant Number **Project Starts** **Project Ends**
 13V098 8/22/2007 12/31/2008

Activity **Laboratory Processing**

Date	Time (min.)	Miles	FirstName	LastName
4/22/2008	240	15	Kathy	Watson
4/22/2008	270	60	Heather	Hochuli
4/22/2008	300	16	Pam	Samson
4/22/2008	300	5	Vasiliki (Vaso)	ParTinoudi
4/22/2008	300	3	Karen	Diamond
5/20/2008	300	6	Karen	Diamond
5/20/2008	300	60	Heather	Hochuli
5/20/2008	300	16	Pam	Samson
6/18/2008	360	60	Heather	Hochuli
6/18/2008	360	9	Karen	Diamond
6/18/2008	300	5	Vasiliki (Vaso)	ParTinoudi
6/18/2008	175	8	Barbara	Trow

Summary for 'Activity' = Laboratory Processing (12 detail records)

Sum **3505** **263**

Appendix B Time & Milage Report for All Quarters

Grant Number **Project Starts** **Project Ends**
 13V098 8/22/2007 12/31/2008

Activity **Phytoplankton Sampling**

Date	Time (min.)	Miles	FirstName	LastName
4/5/2008	60	10	Public	
4/21/2008	60	6	Conni	Scully
4/21/2008	60	4	Renae	Broderick
4/21/2008	60	2	Lyn	Beattie
4/30/2008	75	6	Renae	Broderick
4/30/2008	75	4	Lyn	Beattie
5/1/2008	120	5	Clif	Horrigan
5/1/2008	120	5	Angela	Hiley
5/5/2008	60	6	Conni	Scully
5/5/2008	120	30	Peter	Richardson
5/5/2008	60	2	Lyn	Beattie
5/5/2008	120	4	Nancy	Donovan
5/5/2008	60	4	Renae	Broderick
5/9/2008	120	2	Public	
5/13/2008	60	6	Conni	Scully
5/13/2008	60	4	Lyn	Beattie
5/13/2008	60	5	Renae	Broderick
5/17/2008	120	5	Clif	Horrigan
5/17/2008	120	5	Angela	Hiley
5/19/2008	90	6	Conni	Scully
5/19/2008	90	4	Nancy	Donovan
5/19/2008	120	30	Peter	Richardson
5/19/2008	90	10	Renae	Broderick
5/22/2008	120	5	Clif	Horrigan
5/22/2008	120	5	Angela	Hiley
5/22/2008	120	30	Edmund	Chun-Taite
5/26/2008	90	4	Nancy	Donovan
5/26/2008	120	30	Peter	Richardson
5/27/2008	90	10	Renae	Broderick
5/27/2008	90	8	Lyn	Beattie
5/27/2008	90	6	Conni	Scully
5/29/2008	90	5	Clif	Horrigan
5/29/2008	90	5	Angela	Hiley
5/29/2008	180	10	Public	
5/29/2008	120	10	Lyn	Beattie
6/2/2008	120	5	Nancy	Donovan

Appendix B Time & Milage Report for All Quarters

Grant Number	Project Starts			Project Ends
13V098		8/22/2007		12/31/2008
	6/2/2008	120	30 Peter	Richardson
	6/5/2008	120	9 Erin	Rooney

Summary for 'Activity' = Phytoplankton Sampling (38 detail records)

Sum **3660** **337**

Appendix B Time & Milage Report for All Quarters

Grant Number **Project Starts** **Project Ends**
 13V098 8/22/2007 12/31/2008

Activity **QA/QC Certification**

Date	Time (min.)	Miles	FirstName	LastName
4/7/2008	60	20	Jane	Harrington
4/7/2008	60	6	Tom	Crosby
4/7/2008	60	0	Emery	Hutchins
4/7/2008	60	0	Sue	McCarthy
4/7/2008	0	0	Karen	Diamond
4/8/2008	125	5	Dale	Goodwin
4/8/2008	210	28	Ron	Morales
4/8/2008	120	20	Mary	Loughlin
4/8/2008	120	20	Wendy	Harris
4/8/2008	135	5	Bev	Brinkman
4/8/2008	90	14	John	Crandall
4/8/2008	60	0	Clif	Horrigan
4/8/2008	110	24	Christina	Aliquo
4/8/2008	60	0	Peggy	Mullin
4/8/2008	120	20	Gail	Pare
4/8/2008	60	0	Lillian (Liz)	Sizemore
4/8/2008	60	120	Laura	Parsons
4/8/2008	90	50	Laura	Rainone
4/8/2008	150	30	Peter	Richardson
4/8/2008	120	40	Nancy	Borden
4/8/2008	60	0	Ann	Smith
4/8/2008	60	0	Nikolas	Townsend
4/8/2008	180	20	Sibylle	Carlson
4/8/2008	60	12	Sarah	Low
4/9/2008	120	7	Conni	Scully
4/9/2008	90	14	Dick	Ferraro
4/9/2008	70	20	Chris	Hall
4/9/2008	120	20	Julie	Kath
4/9/2008	90	0	Barbara	Winter
4/9/2008	120	20	Bill	Kath
4/9/2008	0	0	Ann	Reid
4/9/2008	53	16	Eleanor (Muffie)	Hendricks
4/9/2008	35	23	Victor	Tine
4/9/2008	90	25	Candace	Dolan
4/9/2008	60	0	Sherri	Townsend

Appendix B Time & Milage Report for All Quarters

Grant Number	Project Starts			Project Ends
13V098	8/22/2007			12/31/2008
4/9/2008	90	40	Lyn	Beattie
4/9/2008	120	20	Wes	Elmer
4/9/2008	105	8	Steve	Loos
4/9/2008	130	20	Stefanie	Daly
4/9/2008	150	20	Jeff	Gardner
4/9/2008	90	12	Don	Chamberland
4/9/2008	210	0	Nancy (Alcock)	Hood
4/9/2008	210	36	Henry	Hood
4/9/2008	450	20	Marshwood High School	
4/9/2008	60	0	Nate	Hazen
4/9/2008	130	26	Angela	Hiley
6/18/2008	175	22	Stefanie	Daly

Summary for 'Activity' = QA/QC Certification (47 detail records)

Sum	4998	803		
------------	-------------	------------	--	--

Appendix B Time & Milage Report for All Quarters

Grant Number **Project Starts** **Project Ends**
 13V098 8/22/2007 12/31/2008

Activity **QA/QC Team**

Date	Time (min.)	Miles	FirstName	LastName
4/7/2008	60	20	Don	Chamberland
4/7/2008	180	48	Lillian (Liz)	Sizemore
4/7/2008	180	30	Ann	Smith
4/7/2008	90	0	Nikolas	Townsend
4/7/2008	150	20	Peggy	Mullin
4/7/2008	150	30	Sue	McCarthy
4/7/2008	150	20	Jane	Harrington
4/7/2008	60	0	Tom	Crosby
4/7/2008	90	15	Sherri	Townsend
4/7/2008	180	40	Emery	Hutchins
4/8/2008	120	6	Tom	Crosby
4/8/2008	225	20	Sarah	Low
4/8/2008	300	30	Sue	McCarthy
4/8/2008	90	15	Sherri	Townsend
4/8/2008	120	48	Lillian (Liz)	Sizemore
4/8/2008	150	20	Peggy	Mullin
4/8/2008	180	30	Clif	Horrigan
4/8/2008	150	30	Ann	Smith
4/8/2008	120	0	Laura	Parsons
4/8/2008	30	0	Nikolas	Townsend
4/9/2008	60	0	Nikolas	Townsend
4/9/2008	300	30	Sue	McCarthy
4/9/2008	270	0	Barbara	Trow
4/9/2008	315	34	Nate	Hazen
4/9/2008	210	6	Tom	Crosby

Summary for 'Activity' = QA/QC Team (25 detail records)

Sum 3930 492

Appendix B Time & Milage Report for All Quarters

Grant Number **Project Starts** **Project Ends**
 13V098 8/22/2007 12/31/2008

Activity Training - Phytoplankton

Date	Time (min.)	Miles	FirstName	LastName
4/23/2008	180	12	Clif	Horrigan
4/23/2008	180	30	Peter	Richardson
4/23/2008	180	10	Jane	Harrington
4/23/2008	180	30	Steve	Cooper
4/23/2008	180	25	Edmund	Chun-Taite
4/23/2008	180	30	Don	Chamberland
4/23/2008	180	25	Victor	Tine
4/23/2008	240	25	Michele	Wensman

Summary for 'Activity' = Training - Phytoplankton (8 detail records)

Sum 1500 187

Activity Training - Phytoplankton - Vega

Date	Time (min.)	Miles	FirstName	LastName
4/23/2008	180	30	Public	

Summary for 'Activity' = Training - Phytoplankton - Vega (1 detail record)

Sum 180 30

Appendix B Time & Milage Report for All Quarters

Grant Number **Project Starts** **Project Ends**
 13V098 8/22/2007 12/31/2008

Activity **Water Quality Monitoring**

Date	Time (min.)	Miles	FirstName	LastName
4/22/2008	120	28	Ron	Morales
4/22/2008	90	0	Nikolas	Townsend
4/22/2008	180	40	Sherri	Townsend
4/22/2008	120	18	Victor	Tine
4/22/2008	240	40	Emery	Hutchins
4/22/2008	130	0	Barbara	Winter
4/22/2008	220	28	Bill	Kath
4/22/2008	90	10	Peter	Richardson
4/22/2008	170	8	Julie	Kath
4/22/2008	220	80	Steve	Loos
4/22/2008	235	14	Sue	McCarthy
4/22/2008	235	64	Elizabeth (Ibby)	Lourie
4/22/2008	90	20	Sarah	Low
4/22/2008	80	10	Marshwood High School	
4/22/2008	200	80	Wes	Elmer
4/22/2008	120	0	Nancy	Borden
4/22/2008	90	15	Wes	Tator
4/22/2008	230	10	Bev	Brinkman
4/22/2008	235	100	Ann	Smith
4/22/2008	70	0	Russell	Pope
4/22/2008	95	3	Erin	Baird
4/22/2008	265	65	Don	Chamberland
4/22/2008	90	50	Laura	Rainone
4/22/2008	240	120	Laura	Parsons
4/22/2008	185	30	Gail	Pare
4/22/2008	80	5	Sibylle	Carlson
4/22/2008	160	2	Jane	Harrington
4/22/2008	60	21	Public	
4/22/2008	130	20	Audrey	Fortin
4/22/2008	150	56	Lillian (Liz)	Sizemore
4/22/2008	250	15	Dale	Goodwin
4/22/2008	210	60	Chris	Hall
4/22/2008	160	23	Dick	Ferraro
4/22/2008	90	24	Peggy	Mullin

Appendix B Time & Milage Report for All Quarters

Grant Number	Project Starts			Project Ends
13V098	8/22/2007			12/31/2008
4/22/2008	165	27	Christina	Aliquo
4/22/2008	77	18	Eleanor (Muffie)	Hendricks
4/22/2008	60	1	Angela	Hiley
5/20/2008	80	8	Steve	Loos
5/20/2008	180	30	Jennifer	Lee
5/20/2008	145	7	Angela	Hiley
5/20/2008	240	34	Bill	Kath
5/20/2008	120	40	Emery	Hutchins
5/20/2008	90	0	Julie	Kath
5/20/2008	120	100	Laura	Parsons
5/20/2008	80	32	Victor	Tine
5/20/2008	55	0	Jack	Pare
5/20/2008	135	10	Gail	Pare
5/20/2008	180	40	Sherri	Townsend
5/20/2008	110	6	Mary	Loughlin
5/20/2008	90	14	Eleanor (Muffie)	Hendricks
5/20/2008	190	32	Sarah	Low
5/20/2008	180	0	Nikolas	Townsend
5/20/2008	120	38	Peggy	Mullin
5/20/2008	230	64	Elizabeth (Ibby)	Lourie
5/20/2008	60	0	David	Borden
5/20/2008	60	16	Wes	Tator
5/20/2008	230	92	Ann	Smith
5/20/2008	150	38	Lillian (Liz)	Sizemore
5/20/2008	65	6	Peter	Richardson
5/20/2008	156	18	Nate	Hazen
5/20/2008	170	65	Laura	Rainone
5/20/2008	50	0	Russell	Pope
5/20/2008	230	14	Sue	McCarthy
5/20/2008	300	0	Marshwood High School	
5/20/2008	160	10	Oyster River High School	
5/20/2008	75	15	Audrey	Fortin
5/20/2008	120	30	Christina	Aliquo

Appendix B Time & Milage Report for All Quarters

Grant Number	Project Starts			Project Ends
13V098	8/22/2007			12/31/2008
5/20/2008	210	42	Wendy	Harris
5/20/2008	120	0	Nancy	Borden
5/20/2008	220	10	Bev	Brinkman
5/20/2008	135	10	Sibylle	Carlson
5/20/2008	135	40	Don	Chamberland
5/20/2008	285	50	John	Crandall
5/20/2008	240	56	Ron	Morales
5/20/2008	330	140	Wes	Elmer
5/20/2008	90	10	Jeff	Gardner
5/20/2008	230	15	Charles	Yates
5/20/2008	120	60	Chris	Hall
5/20/2008	200	26	Jane	Harrington
5/20/2008	60	0	Public	
6/18/2008	110	46	Mary	Loughlin
6/18/2008	120	56	Lillian (Liz)	Sizemore
6/18/2008	170	42	Elizabeth (Ibby)	Lourie
6/18/2008	95	15	Sarah	Low
6/18/2008	240	14	Sue	McCarthy
6/18/2008	240	56	Ron	Morales
6/18/2008	90	15	Peggy	Mullin
6/18/2008	90	20	Gail	Pare
6/18/2008	90	20	Jack	Pare
6/18/2008	120	0	Julie	Kath
6/18/2008	90	16	Peter	Richardson
6/18/2008	120	40	Emery	Hutchins
6/18/2008	70	10	Ann	Smith
6/18/2008	100	16	Victor	Tine
6/18/2008	200	40	Sherri	Townsend
6/18/2008	110	0	Nikolas	Townsend
6/18/2008	115	0	Barbara	Winter
6/18/2008	115	30	Marshwood High School	
6/18/2008	60	5	Public	
6/18/2008	360	230	Laura	Parsons
6/18/2008	210	15	Dale	Goodwin
6/18/2008	60	0	David	Borden
6/18/2008	80	0	Nancy	Borden

Appendix B Time & Milage Report for All Quarters

Grant Number	Project Starts			Project Ends
13V098	8/22/2007			12/31/2008
6/18/2008	90	5	Bev	Brinkman
6/18/2008	240	65	Don	Chamberland
6/18/2008	90	0	Polly	Davie
6/18/2008	220	6	Wes	Elmer
6/18/2008	145	29	Dick	Ferraro
6/18/2008	200	24	Jennifer	Lee
6/18/2008	75	15	Jeff	Gardner
6/18/2008	180	28	Bill	Kath
6/18/2008	180	20	Chris	Hall
6/18/2008	65	1	Jane	Harrington
6/18/2008	240	30	Wendy	Harris
6/18/2008	195	24	Nate	Hazen
6/18/2008	140	36	Eleanor (Muffie)	Hendricks
6/18/2008	72	0	Public	
6/18/2008	90	6	Nancy (Alcock)	Hood
6/18/2008	104	10	Christina	Aliquo
6/18/2008	45	0	Audrey	Fortin

Summary for 'Activity' = Water Quality Monitoring (120 detail records)

Sum 17604 3308

Summary for 'Project' = GBCW - Water Quality and Phytoplankton Monitoring (277 detail records)

	Time (Minutes)	Miles	Time Value : \$	19.77
Sum	42165.00	5727.00	Mileage Value: \$	0.505
Value	\$13,893.37	\$2,892.14	Total Value	\$16,785.50

Matching Funds

Source	Amount	Inkind Match	Comments
July - September	\$8,571.30	Volunteer Time & Mileage	
October-December	\$9,664.39	Volunteer Time & Mileage	
January-March	\$5,954.65	Volunteer Time & Mileage	
April - July	\$16,785.50	Volunteer Time & Mileage	
Total:	\$40,975.84		

Appendix B Time & Milage Report for All Quarters

Grant Number
13V098

Project Starts
8/22/2007

Project Ends
12/31/2008

Donations

Amount	Date Given	Comments	Contact ID
\$30.00	11/28/2007	Hannaford food for Chili and Chowdah Fest	0
\$300.00	10/11/2007	Russound for Monitoring Supplies	0
\$800.00	10/29/2007	A MIC D microscope on loan from NOAA	0
\$25.00	11/28/2007	Harvey's Bakeries Bread and Rolls for Chili	0

Total: \$1,155.00

Grand Total Match: \$42,130.84