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## Mercury Deposition in Maine: Status Report 2003

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# Mercury Deposition in Maine: Status Report 2003



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Revision of July 15, 2003



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## Executive Summary

Due to high mercury concentrations, the Department of Human Services has had to issue safe eating guidelines for fish caught in Maine Waters. Loons and other wildlife also have abnormally high concentrations of mercury in their body tissue. Atmospheric deposition of mercury is believed to be responsible for the majority of the mercury found in Maine fish and wildlife. EPA modeling suggests that the majority of the airborne mercury atmospherically deposited in Maine is from sources outside the state. Most of the mercury deposited in Maine is scrubbed from the atmosphere by rain and snow in a process called "wet deposition".

Maine DEP currently measures wet deposition of mercury at four locations in Maine: Acadia National Park, Greenville, Bridgton, and Freeport. The sites are part of the Mercury Deposition Network (MDN) established by the National Atmospheric Deposition Program (NADP). In 2001 there were 54 sites reporting complete data to the MDN program: currently there are nearly 70 participating sites in the US and Canada. DEP and EPA use the analytical results of the actual mercury concentrations deposited in Maine rainwater to verify the accuracy of EPA's atmospheric transport and depositional model and to document potential depositional trends. This information, in turn, is critical for forming the scientific basis for the policies implemented by Maine government to restore the state's fisheries. This report is intended to update interested parties on the status of DEP's ongoing monitoring efforts.

Since mercury is persistent and body concentrations increase as you move up the food chain, widespread deposition of even minute concentrations of mercury can have detrimental effects on public health and the environment. Therefore, in order for depositional data to be meaningful, the DEP must be able to accurately measure concentrations of mercury in precipitation down to parts-per-trillion. To do this, DEP uses the strict sampling and analytical protocols established by the MDN. Precipitation is collected during weeklong intervals over the course of the year. By measuring both the concentration of mercury in the rainwater and volume of rainwater, the Department can determine the mass loading of mercury from the atmosphere to a given surface area. Only analytical information meeting MDN's rigorous quality control standards is used to assess trends in wet deposition of mercury. Maine consistently meets MDN's quality assurance standards.

It is too early in the monitoring program to determine regional trends. However, the early data shows that annual wet deposition of total mercury at the four (4) sites in Maine ranged from 3.97  $\mu\text{g}/\text{m}^2$  to 10.97  $\mu\text{g}/\text{m}^2$  (micrograms per square meter) between 1998 and 2001. The average concentrations were lowest at the Greenville site and highest in Bridgton. Maine data appears to be consistent with the 3 to 10  $\mu\text{g}/\text{m}^2$  that is predicted by the EPA transport and deposition model. The data are also consistent with direct measurement data from other Eastern North America sites. In addition, strong seasonal concentration patterns are evident, with mercury deposition generally lowest in the winter.

At this stage, Maine's program is successful, in that it is gathering high quality data on mercury deposition as part of a national effort. While it is premature to make definitive statements on depositional trends, the early information suggests that EPA's RELMAP transport and depositional model does not require major adjustments. The data also tends to confirm the

underlying scientific basis used by the Maine Legislature when enacting legislation to decrease mercury releases to Maine's environment. More information on mercury can be obtained at <http://www.state.me.us/dep/mercury/>.

## Introduction

Combustion of fossil fuels, wood, and waste materials, other industrial processes, and mercury product use and disposal release mercury into the air. The mercury can travel long distances before settling out onto land and water surfaces. EPA modeling suggests that the majority of the airborne mercury atmospherically deposited in Maine is from sources outside the state. The mercury converts into methylmercury by natural biological processes, and bioaccumulates in fish, loons, and other wildlife. Due to high concentrations of mercury in Maine fish, the Department of Human Services began issuing fish consumption guidance in 1994.

The Mercury Deposition Network (MDN), coordinated through the National Atmospheric Deposition Program (NADP), is designed to study and quantify spatial and temporal trends of mercury wet deposition from the atmosphere. The NADP monitoring program started testing for trace chemicals in precipitation in 1978 to study acid rain. In 1995, the NADP started monitoring mercury under the MDN program. Initially there were 17 sites, but additional sites have been added over the years so that in 2002 there were nearly 70 sites. The map in Figure 1 indicates the location of the MDN sites operating in 2001.

This report summarizes the results of mercury monitoring at the four MDN sites located in Maine from 1998 to 2001. The Mercury Deposition Network (MDN) is a wet deposition network and cannot measure dry deposition of mercury. The main reason for this is that dry deposition methods are based on indirect measurements that are largely experimental, difficult to implement, and costly. Wet deposition measurements are based on direct collection techniques that use standardized methods and equipment that are relatively easy to implement and operate at remote sites. Although dry deposition of mercury can be very important in terrestrial ecosystems,<sup>1</sup> other studies have estimated that wet deposition is the most important atmospheric process for movement of mercury to water bodies in temperate climates<sup>2</sup>. Since the primary environmental problem associated with mercury deposition is fish contamination, wet deposition is probably the most important atmospheric deposition process for assessing mercury's environmental impact.<sup>3</sup>

## Sampling Site Locations

The four MDN sites in Maine are part of an overall network for New England and Maritime Canada that is designed to help evaluate spatial and temporal patterns and trends of wet mercury deposition. As with all MDN sites, Maine's sites are in rural areas at least 10 to 20 km away from any major air pollution sources, and are at least 100 m away from any local sources. All of the Maine sites are in open, grass-covered areas well away from overhanging vegetation and buildings. Most of the Maine sites were co-located with existing NADP acid rain collection

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<sup>1</sup> Lindburg et al., 1992

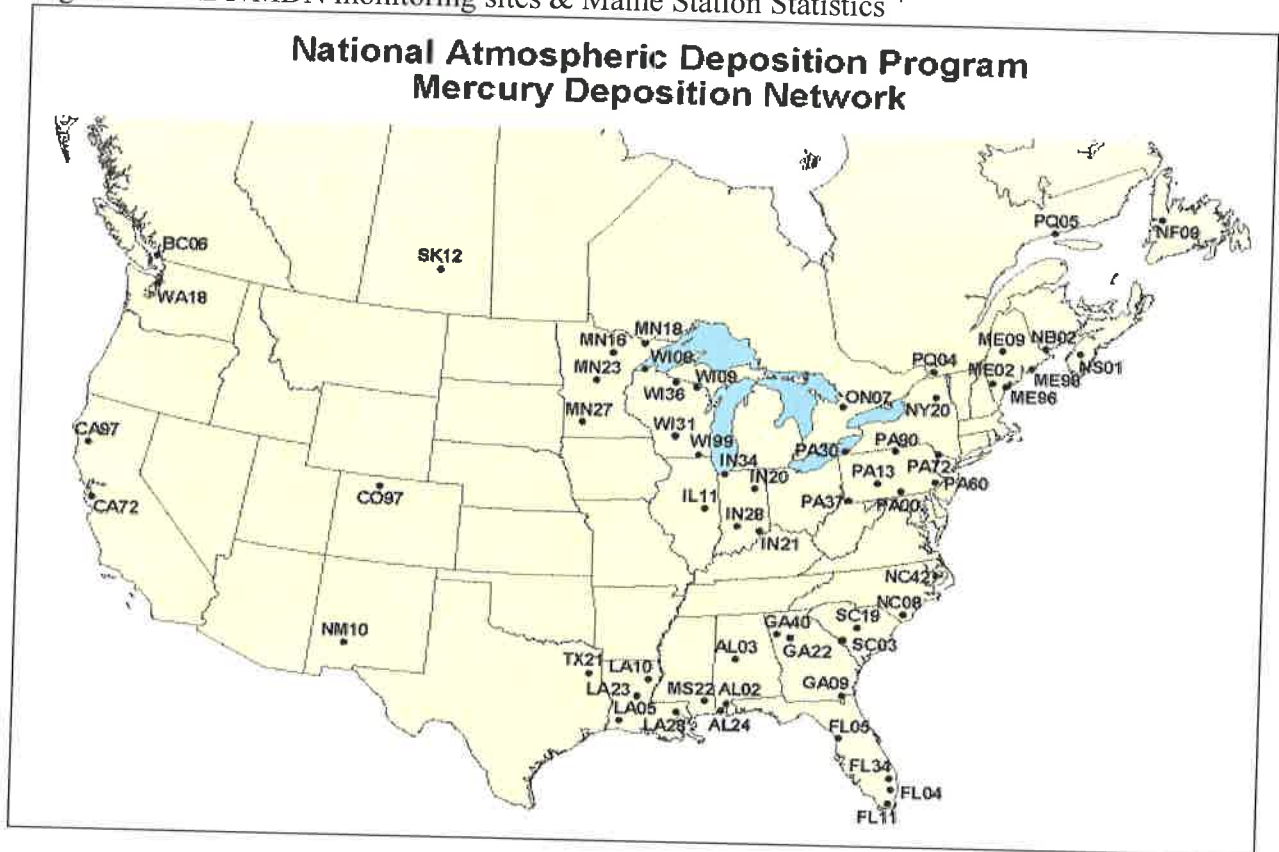
<sup>2</sup> Lamborg et al., 1995; Mason et al., 1997; Scherbatskoy et al., 1997

<sup>3</sup> Lynch et. al. 1999.

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sites. Only one site, Freeport, was established as an entirely new monitoring location, but it also collects both acid rain and mercury deposition samples. The site locations are shown in Figure 1, along with photographs and relative statistics for each station.

Figure 1. NADP/MDN monitoring sites & Maine Station Statistics <sup>4</sup>



NADP/MDN Monitoring Location ME09 <sup>5</sup>

Station	Greenville Station (ME09)
Location	Piscataquis County, Maine
Dates of Operation	09/03/1996 - present
Latitude	45 29 23
Longitude	69 39 52
Elevation	322 meters
USGS 1:24000 Map Name	Big Squaw Pond, 1989
Operating Agency	Maine Department of Environmental Protection
Funding Agency	EPA

<sup>4</sup> Map source: NADP/MDN <http://nadp.sws.uiuc.edu/mdn/sites.asp>

<sup>5</sup> NADP/MDN Greenville ME data web page: <http://nadp.sws.uiuc.edu/nadpdata/siteinfo.asp?id=ME09&net=MDN>





NADP/MDN Monitoring Location ME02 <sup>6</sup>

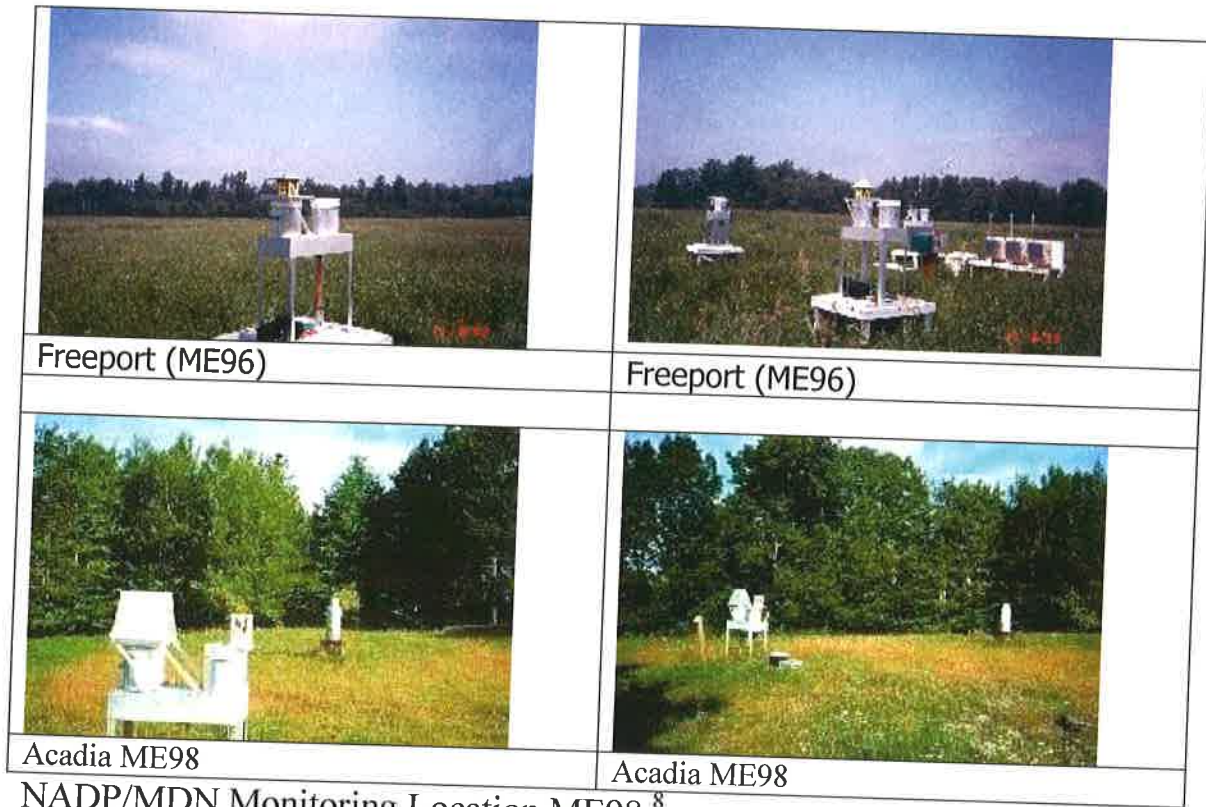
Station	Bridgton (ME02)
Location	Cumberland County, Maine
Dates of Operation	06/04/1997 - present
Latitude	44 06 27
Longitude	70 43 44
Elevation	222 meters
USGS 1:24000 Map Name	Bridgton, 1983
Operating Agency	Maine Department of Environmental Protection
Funding Agency	EPA

NADP/MDN Monitoring Location ME96 <sup>7</sup>

Station	Freeport (ME96)
Location	Cumberland County, Maine
Dates of Operation	01/01/1998 - present
Latitude	43 49 55
Longitude	70 03 46
Elevation	15 meters
USGS 1:24000 Map Name	Freeport, 1957
Operating Agency	Maine Department of Environmental Protection Bureau of Air Quality
Funding Agency	EPA

<sup>6</sup> NADP/MDN Bridgton ME data web page: <http://nadp.sws.uiuc.edu/nadpdata/siteinfo.asp?id=ME02&net=MDN>

<sup>7</sup> NADP/MDN Freeport ME data web page: <http://nadp.sws.uiuc.edu/nadpdata/siteinfo.asp?id=ME96&net=MDN>



NADP/MDN Monitoring Location ME98<sup>8</sup>

Station	Acadia National Park-McFarland Hill (ME98)
Location	Hancock County, Maine
Dates of Operation	09/26/1995 - present
Latitude	44 22 26
Longitude	68 15 38
Elevation	129 meters
USGS 1:24000 Map Name	Southwest Harbor, 1983
Operating Agency	Maine DEP
Funding Agency	EPA

Sampling Methods

In establishing the MDN, the National Atmospheric Deposition Program (NADP) has sought to ensure uniformity in sampling protocols, analytical techniques, and procedures. Thus, the NADP/MDN monitoring program has designed specific sampling equipment to be used throughout the network, which affords precision and consistency in recording precipitation, collecting samples, and verifying results. A strict weekly sampling protocol with a clear definition of sample types makes comparisons between sites possible.

A Modified Aerochem Metrics Model 301 Automatic Sensing Wet/Dry Precipitation Collector is used in the NADP/MDN, and is designed to simultaneously sample precipitation for mercury and other trace metals. The mercury sample train consists of an all glass unit, whereas a Teflon or Polyethylene/Teflon sampling train is used to collect other trace metals. With glass to glass connections, the mercury sample train minimizes trace metal contamination. Precipitation is

<sup>8</sup> NADP/MDN Acadia ME data web page: <http://nadp.sws.uiuc.edu/nadpdata/siteinfo.asp?id=ME98&net=MDN>

caught in a glass funnel and stored in a two liter glass bottle containing dilute hydrochloric acid that is used as a preservative. This two liter bottle holds a maximum volume equivalent to six inches of precipitation.<sup>9</sup> Additional modifications include; Teflon-coated lid supports, Teflon-wrapped lid sealing foam pads, flexible sleeves to cover the base of the lid arms, an isolated enclosure around the collector base, and a thermostatically controlled heater and fan to maintain a given temperature range inside the enclosure to melt snow collected in the funnels.<sup>10</sup>

Between sampling events, the mercury wet deposition sampling train is covered by a motor-driven lid. When precipitation occurs, a sensor activates the motor that moves the lid from the wet deposition side to the dry deposition collection bucket. The initial NADP/MDN program was set up to analyze only wet deposition with the intent of expanding to incorporate dry deposition analysis. Presently no samplers in the Northeast region analyze dry deposition.

Field operators receive a pre-cleaned sampling train each week and every Tuesday the weekly sample is removed and the new sample train positioned in its place. The sample and used sample train are sent by mail to the contract laboratory for analysis and cleaning. The field operators wear plastic gloves when handling the sample train and follow a specific handling protocol to avoid sample contamination. Any overflow is collected and measured but not analyzed. Accompanying the MDN sampler is a Belfort Recording Rain Gage that provides a weekly chart of rainfall amounts. The amount of precipitation in the sample bottle is used as check on the Belfort data.

The standard sampling period typically constitutes one week starting about 9 AM each Tuesday. If it is raining or snowing at collection time, the sampling train is changed after the precipitation stops, since the MDN protocol prefers that the sampling train not be changed out during a rain event. The sampling train is replaced weekly and sent to the laboratory even if no sample was collected during the previous week.

All samples collected by the NADP/MDN are analyzed for total mercury at a single laboratory operated by Frontier Geosciences, Inc., Seattle, WA. The analytical method used is EPA Method 1631 and is designed to analyze total mercury in an aliquot solution. The method detection limit for a 100-ml sample is about 0.1 ng/L (three standard deviations of the reagent blanks).<sup>11</sup>

To detect any outside contamination of samples, the Quality Assurance Program includes use of trip blanks, field blanks, and system blanks. The trip blanks are designed to determine if sample containers are contaminated with mercury as they are shipped to and from the lab. Trip blanks are bottles of pre-analyzed deionized water that are shipped with a regular sampling train to the sampling site. They are stored unopened in the enclosure during a sample period, and then returned to the lab for analysis. Field blanks are used to determine if mercury contamination is introduced into the sampling device between precipitation events. Field blanks consist of sample containers that are filled with pre-analyzed deionized water. The field blanks are shipped unopened, stored open in the sampling enclosure but so as to not collect any precipitation, and

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<sup>9</sup> Lynch et. al. 1999.

<sup>10</sup> Opt. Cit., Bloom and Crecelius, 1983

<sup>11</sup> Ibid.

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then are closed before being shipped back to the lab for analysis. System blanks are used to determine if contamination is introduced by the sample equipment, or the lab. System blanks are samples of pre-analyzed deionized water that are shipped to the monitoring location and stored unopened in the sampling device. During weeks without a precipitation event, the monitoring site operator pours half the deionized water into the sample train wetting all the sides of the funnel, collects the sample, and then ships the system blank to the lab for analysis. The lab is not informed of which samples are from precipitation events, and which are system blanks.

### Data Completeness Criteria<sup>12</sup>

Only data sets meeting completeness criteria are used by NADP/MDN to assess trends in wet deposition of mercury. NADP/MDN criteria for data completeness include the following:

1. at least 75% of the year (incorporating the "wet season") is represented by valid samples;
2. there must be information on precipitation amounts for at least 90% of the year,
3. there must be valid samples representing at least 75% of the precipitation amount for the year, and:
4. total precipitation measured from the sample volume (bottle catch) must be used to assure uniformity in the comparison of data collected at all MDN sites.<sup>13</sup>

### Recent Monitoring Results for Maine and the Northeast

Table 1 shows the average annual mercury concentrations for the Maine, New Hampshire and Maritime Canada sites from 1998 to 2001 for all samples that met data completeness criteria. For these four years wet mercury deposition in Maine, (ranked from highest average deposition to lowest) ranged from 3.97 to 6.94  $\mu\text{g}/\text{m}^2$  at Greenville, 4.74 to 6.99  $\mu\text{g}/\text{m}^2$  at Bridgton, 5.06 to 8.85  $\mu\text{g}/\text{m}^2$  at Acadia, and 4.8 to 10.97  $\mu\text{g}/\text{m}^2$  at Freeport<sup>14</sup>.

Annual wet deposition of total mercury at the eight sites in New England and Maritime Canada<sup>15</sup> ranged between 3.97  $\mu\text{g}/\text{m}^2$  (micrograms per square meter) to 10.97 through the four years of data. In 1998, the annual wet deposition ranged from 6.43 to 10.97  $\mu\text{g}/\text{m}^2$ . In 1999, it ranged from 5.91 to 8.49  $\mu\text{g}/\text{m}^2$ . In 2000, it ranged from 5.39  $\mu\text{g}/\text{m}^2$  to 8.53  $\mu\text{g}/\text{m}^2$ . In 2001, the range is from 3.97  $\mu\text{g}/\text{m}^2$  to 5.06  $\mu\text{g}/\text{m}^2$ . The highest levels recorded in the northeastern region were at Freeport and the lowest was in Greenville. The annual average wet deposition for New England and Maritime Canada is 6.34  $\mu\text{g}/\text{m}^2$  and Maine's annual mean is 6.91  $\mu\text{g}/\text{m}^2$ . Total mercury deposition in Maine tends to fall near the median of deposition recorded at all the other monitoring sites in New England and Maritime Canada.

It should be noted that because mercury deposition is the product of both the concentration of mercury in the precipitation, and the amount of precipitation, sites that have high average concentrations of mercury in its precipitation are not necessarily the sites with the highest wet deposition of mercury. Sites with high precipitation but lower mercury concentration still may have the highest annual wet deposition of mercury.

<sup>12</sup> Vermett, et. al. 1995.

<sup>13</sup> Ibid.

<sup>14</sup> Source MDNo2e.xls, sheet NE\_Summry

<sup>15</sup> Source MDNo2e.xls, sheet NE\_Summry

## Factors Influencing Mercury Deposition

At MDN sites in New England and Eastern Canada, wet deposition of mercury was generally higher in the summer and lower in the winter (See Figures 2, 3, 4, 5, 6, and 7). The Maine data in the appendix also generally appears to follow this trend, with higher average summer (June to August) mercury concentrations as compared to winter concentrations (December to February). There also appears to be a slight decrease of mercury deposition from south to north. However, it is premature to positively state this with only four years of data. Continued monitoring will be needed to adequately document any deposition trends.

It is important to point out that while there are definite seasonal patterns, they can vary significantly from year to year due to variations in weather. For instance, an early warm spring with a lot of rainfall can result in high deposition for that particular season, while a drought will reduce the deposition of mercury. However, drought reduces just wet deposition of mercury, but dry deposition may be enhanced.

It is possible that the coastal MDN sites of Freeport and Acadia have higher mercury deposition than the interior sites of Bridgeton and Greenville due to the frequent coastal fog, increased mean temperatures, and increased rainfall along the ocean. Studies are ongoing which indicate that sea fog may contribute to mercury deposition in coastal areas.<sup>16</sup>

The precipitation and deposition events during 1998 demonstrate the variability associated with anomalous weather events. Comparing deposition in Freeport (ME 96) and Greenville (ME 09) as shown in figures 9, 10 and 11, the reader will note that one event at Freeport contributes significantly to that site's total deposition. It can also be noted that with both sites some relatively high precipitation events have low deposition results. Scientists are studying storm types, cloud types and storm track sources to determine their possible effect on the variation in mercury deposition.<sup>17</sup> It is beyond the scope of this report to investigate these speculations. However, it is clear that long term monitoring is extremely important in order to isolate the effectiveness of mercury control strategies from the influence of weather variability on deposition trends.

## Comparison of Maine Depositional Data to Predicted Deposition

Maine's 1998 to 2001 wet deposition MDN data compares favorably to the RELMAP model estimates of mercury deposition in the Northeast, which are shown in Figure 8. "The model-predicted deposition from sources located in the Northeast is shown to fall within the range of 10 to 30  $\mu\text{g}/\text{m}^2$  per year across most of southern New England and along the southern shore of Lake Ontario. The New York City metropolitan area is predicted at 80  $\mu\text{g}/\text{m}^2$ . Predicted deposition values for much of the rest of the eight-state region are typically in the range of 3 to 11  $\mu\text{g}/\text{m}^2$ . Those areas of Canada directly adjacent to the U.S. border receive on the order of 3 to 10  $\mu\text{g}/\text{m}^2$

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<sup>16</sup> Lindberg(Long Island Sound research)

<sup>17</sup> 2002 Mercury Conference, June 12-13 and Casco Bay Atmospheric Deposition meetings, and NESCAUM Mercury Deposition Monitoring Network Results and Recommendations, 28 May 2002

of mercury deposition from Northeast sources; most other parts of Canada in the modeling domain receive about 1 to 3  $\mu\text{g}/\text{m}^2$  of mercury annually from Northeast sources.”<sup>18</sup>

The RELMAP estimated wet deposition to the Northeast from sources outside of the region to mostly impact New Jersey and New York State. These two States “receive on the order of 10 to 30  $\mu\text{g}/\text{m}^2$ ” and the “average annual deposition associated with these (mercury) sources is predicted to be in the range of 3 to 10  $\mu\text{g}/\text{m}^2$  for much of the rest of the Northeast,” including Maine<sup>19</sup>. This statement is supported by the 1998/2001 MDN wet deposition data, which indicates that the average wet deposition ranges from 5 to 10  $\mu\text{g}/\text{m}^2$ .

## Deposition Trends

In Table 1, below, the “annual mercury deposition” values are the total mass (in micrograms) of mercury that is deposited to each square meter of land near the monitor. This is the most important value in determining depositional trends in Maine, because it represents the loading of mercury to Maine’s land and water from wet deposition. In looking at these values in the table, as represented by figures 2 and 3, the reader may think that mercury deposition is trending downwards. However, due to the variation in weather from year to year, and the great influence that weather plays in determining wet deposition, it is too early to establish trends in mercury deposition. Continuous operation of monitoring sites for at least 10 years is needed to develop a meaningful “trends” database. The MDN database should be useful in evaluating the effectiveness of controls on mercury emissions to the atmosphere, since monitoring began before most controls were required.

Additionally, it is difficult to determine the source of the mercury contamination, because samples are collected every seven days, rather than after each storm. In this way, samples may represent multiple storms that are coming from different directions, making it difficult to compose data representing specific storm patterns. Samples are collected every seven days, rather than during every storm event, because it is less expensive. Sampling each storm would mean more sample events per year, and would require personnel to be on-call to collect the samples after each storm. Funding of this project at the current effort has historically been difficult.<sup>20</sup>

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<sup>18</sup> NESCAUM, Northeast States and Eastern Canadian Provinces Mercury Study: A Framework for Action. February, 1998

<sup>19</sup> Ibid. Page VI-20.

<sup>20</sup> The certainty of funding for Maine's MDN monitoring sites, and the source of those funds, have varied considerably over the years. The first MDN site, established in Acadia National Park in 1995 by the National Park Service (NPS), was jointly funded with federal NPS funds, and state Surface Water Ambient Toxic (SWAT) program funds. The Greenville MDN site, established by DEP in 1996, was funded through the state SWAT program. The Bridgeton MDN site, set up by DEP in 1997, was initially federally funded as part of a two year study sponsored by the Northeast States for Coordinated Air Use Management (NESCAUM). In 1999, it was continued using DEP federal Air Grant funds, followed by DEP federal Persistent Biocummulative Toxics (PBT) grant funds. The Freeport MDN site, established by DEP in 1998, was initially jointly funded by EPA and DEP using federal grant funds as part of a three year study of atmospheric deposition to Casco Bay. Beginning in 2000, it was continued using DEP federal PBT grant funds. Finally, in late 2001 DEP's Senior Management Team committed to using federal grant monies provided under the agency's Performance Partnership Grant (PPG) with EPA, as a source of long-term funding for all four sites. This has reduced the annual funding uncertainty of these four MDN monitoring sites and saved money by consolidating analytical service contracts.

## Conclusion

At this stage, Maine's monitoring program is successfully gathering data of high quality on mercury deposition as part of a national effort. The data are consistent with other depositional data being gathered in the Northeast. While it is premature to make definitive statements on depositional trends, the early information suggests that EPA's RELMAP transport and depositional model does not require major adjustments. This long term monitoring program is needed to rule out weather variations when determining the effectiveness of mercury control strategies.

**Table 1. Annual Average Results<sup>21</sup> for New England and Maritime Canada.**

Bridgton MDN Data					
Site ME02	1998	1999	2000	2001	Units
Number of Valid Weekly Samples	49	53	52	50	weeks
Annual Mercury Deposition	6.69	6.99	6.27	4.74	micrograms/m2
Average Mercury Concentration (Vol. Weighted)	6.57	6.39	5.97	6.79	nanograms/liter
Average Weekly Deposition	136.54	131.94	120.63	94.89	nanograms/m2
Average Precipitation(Subppt)*	20.79	20.66	20.22	13.98	mm
Total Precipitation	1018.7	1094.9	1051.2	698.9	mm
Annual average concentration for substitution	6.6	6.4	6	6.8	nanograms/liter
Number of substitutions	2	1	6	3	
Freeport MDN Data					
Site ME96	1998	1999	2000	2001	Units
Number of Valid Weekly Samples	50	53	51	49	weeks
Annual Mercury Deposition	10.97	8.49	7.8	4.8	micrograms/m2
Average Mercury Concentration (Vol. Weighted)	8.77	7.29	6.56	6.96	nanograms/liter
Average Weekly Deposition	219.43	160.17	152.99	98.03	nanograms/m2
Average Precipitation(Subppt)*	25.03	21.97	23.31	14.08	mm
Total Precipitation	1251.40	1164.6	1188.9	689.8	mm
Annual average concentration for substitution	8.8	7.3	7.8	7	nanograms/liter
Number of substitutions	1	2	0	1	

<sup>21</sup> The method used for calculating the annual statistics varies slightly depending on the analyst. The overall results in terms of trends is very similar, regardless of the method used, assuming all data compared is calculated using the same methodology.

Table 1. Annual Average Results for New England and Maritime Canada (continued).

Greenville MDN Data					
Site ME09	1998	1999	2000	2001	Units
Number of Valid Weekly Samples	51	53	52	51	weeks
Annual Mercury Deposition	6.81	6.94	5.39	3.97	micrograms/m2
Average Mercury Concentration (Vol. Weighted)	6.13	5.46	5.24	6.37	nanograms/liter
Average Weekly Deposition	133.53	128.58	103.61	77.89	nanograms/m2
Average Precipitation(Subppt)*	21.77	23.57	19.78	12.24	mm
Total Precipitation	1110.50	1272.7	1028.8	624	mm
Annual average concentration for substitution	6.1	5.5	5.2	6.4	nanograms/liter
Number of substitutions	1	3	5	2	
Acadia MDN Data					
Site ME98	1998	1999	2000	2001	Units
Number of Valid Weekly Samples	51	53	52	51	weeks
Annual Mercury Deposition	8.85	8.32	8.53	5.06	micrograms/m2
Average Mercury Concentration (Vol. Weighted)	6.12	6.29	6.75	7.8	nanograms/liter
Average Weekly Deposition	173.52	157.03	164.04	99.18	nanograms/m2
Average Precipitation(Subppt)*	28.34	24.98	24.28	12.71	mm
Total Precipitation	1445.3	1324.1	1262.8	648.2	mm
Annual average concentration for substitution	6.1	6.2	6.8	7.8	nanograms/liter
Number of substitutions	1	1	4	7	
New Castle, NH MDN Data					
NH01	1998	1999	2000	2001	Units
Number of Valid Weekly Samples	50	43 *	0 *	39 *	weeks
Annual Mercury Deposition	7.42	4.55		4.62	micrograms/m2
Average Mercury Concentration (Vol. Weighted)	9.65	8.4		10.76	nanograms/liter
Average Weekly Deposition	166.59	105.59		121.55	nanograms/m2
Average Precipitation(Subppt)*	19.50	17.28		14.04	mm
Total Precipitation	975.20	743		547.4	mm
Annual average concentration for substitution	7.61	6.12		8.44	nanograms/liter
Number of substitutions	2	3		1	
* Does not meet qualifying annual data.					
Laconia, NH MDN Data					
NH00	1998	1999	2000	2001	Units
Number of Valid Weekly Samples	35 *	45 *	17 *	35 *	weeks
Annual Mercury Deposition	5.86	5.99	1.96	4.22	micrograms/m2
Average Mercury Concentration (Vol. Weighted)	9.53	10.13	5.3	10.55	nanograms/liter
Average Weekly Deposition	149.42	131.51	117.00	156.55	nanograms/m2
Average Precipitation(Subppt)*	21.35	20.15	18.98	13.31	mm
Total Precipitation	747.20	906.6	322.7	465.9	mm
Annual average concentration for substitution	7.843	6.61	6.22	9.06	nanograms/liter
Number of substitutions	3	2	2	1	
* Does not meet qualifying annual data.					
St. Andrews, NB MDN Data					
NB01	1998	1999	2000	2001	Units
Number of Valid Weekly Samples	52	52	52	52	weeks
Annual Mercury Deposition	7.17	7.66	6.22	4.81	micrograms/m2
Average Mercury Concentration (Vol. Weighted)	8.38	8.15	9.17	10.79	nanograms/liter
Average Weekly Deposition	138.14	146.46	121.11	121.55	nanograms/m2



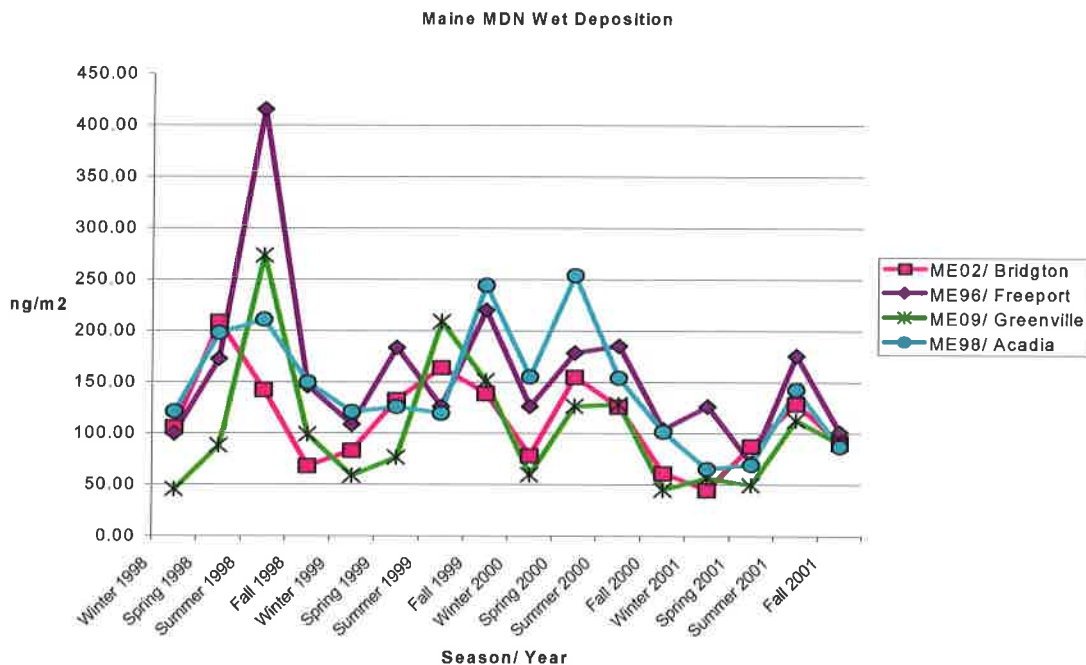
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Average Precipitation(Subppt)*	21.54	21.99	17.84	12.63	mm
Total Precipitation	1,119.80	1,143.50	927.5	656.9	mm
Annual average concentration for substitution	6.4	6.7	6.71	7.32	nanograms/liter
Number of substitutions	2	1	3	5	
Kejimkujik National Park, NS MDN Data					
NS01	1998	1999	2000	2001	Units
Number of Valid Weekly Samples	52	49	52	52	weeks
Annual Mercury Deposition	6.43	5.91	6.45	6.68	micrograms/m2
Average Mercury Concentration (Vol. Weighted)	8.02	5.87	6.37	9.76	nanograms/liter
Average Weekly Deposition	123.73	120.58	123.98	128.55	nanograms/m2
Average Precipitation(Subppt)*	23.13	24.17	24.72	19.43	mm
Total Precipitation	1,202.70	1,184.10	1,285.50	1,010.10	mm
Annual average concentration for substitution	5.35		5.02	6.62	nanograms/liter
Number of substitutions	1	0	2	3	

Source: MDNsummary98\_01.xls, sheet NE\_summary

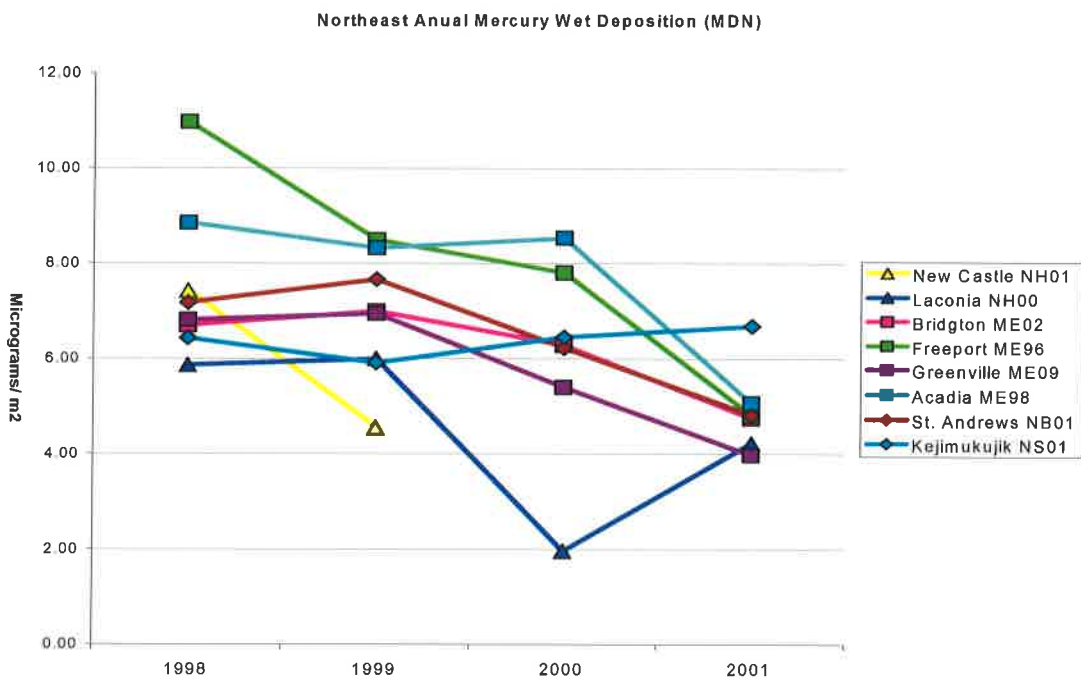
Note: \* Subppt is the precipitation collected in the Belfort Recording Rain Gage.

Figure 2. Maine's Seasonal Mercury Wet Deposition, 1998 to 2001.



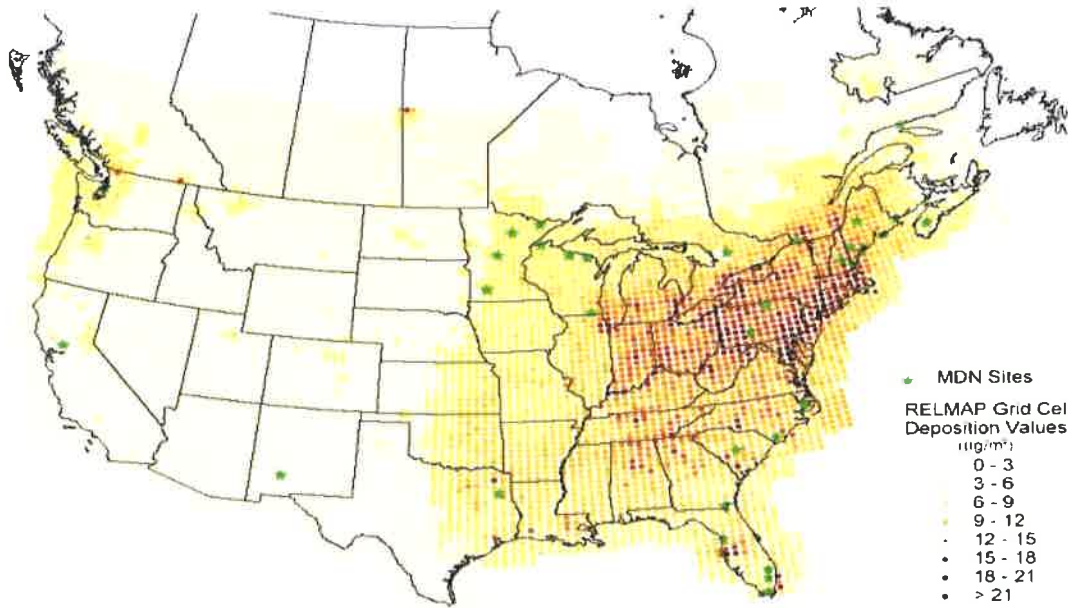
Source: File MDN02e.xls, chart; ME wet deposition 98-01.

Figure 3. Annual Mercury Wet Deposition for 1998 to 2001.



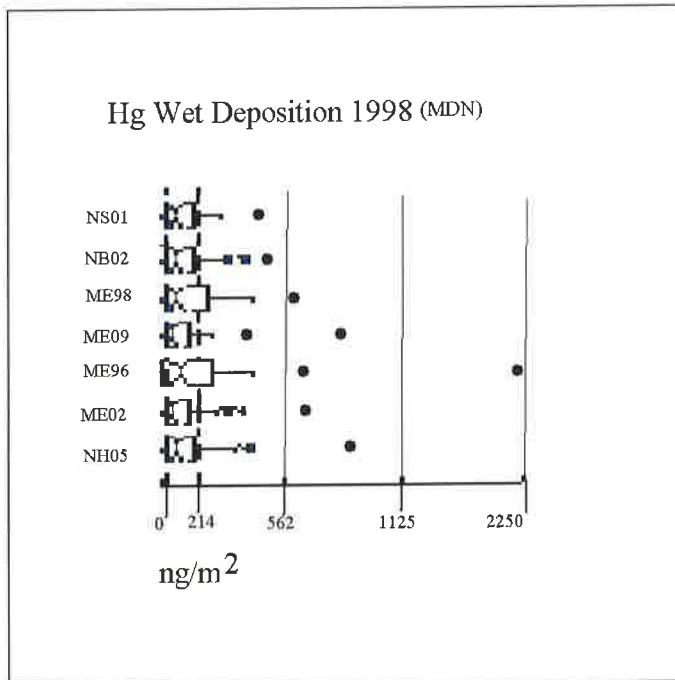
Note: New Castle, NH lacking 2000 and 2001 data.  
Source: File MDN02e.xls, chart; NEAnnualdep.

Figure 8. 1998 MDN and RELMAP Grid Cell Deposition Values.



Source: MDN 2002 1<sup>st</sup> Quarter Preliminary Data Report; MDN North East, Frontier Geosciences Inc., Seattle WA.<sup>22</sup>Figure 9. 1998

Figure 9. Box Plot of Precipitation.



Source: 98bp6.bmp

This “box plot” is used to show that several precipitation events can be drivers in expanding the overall influence of the total and average mercury deposition. These events are valid precipitation events and have passed the quality control requirements.

The “box” is the Lower and Upper Quartiles. The line within the box is the “Median” value. The bar extending from the box is the “Upper Inner Fence.” The “Tick” marks near the upper inner fence are slightly high precipitation events. The “Dots” are significantly high precipitation events.

<sup>22</sup> MDN 2002 1<sup>st</sup> Quarter Preliminary Data Report; MDN North East, Frontier Geosciences Inc., Seattle WA, [http://www.frontiergeosciences.com/MDN\\_Data/\(05\).PDF](http://www.frontiergeosciences.com/MDN_Data/(05).PDF)

Figure 10. 1998 Mercury Wet Deposition and Precipitation for ME 96, Freeport.

Source: File MDN02c.xls, chart; ME 96PrecpWetDep.

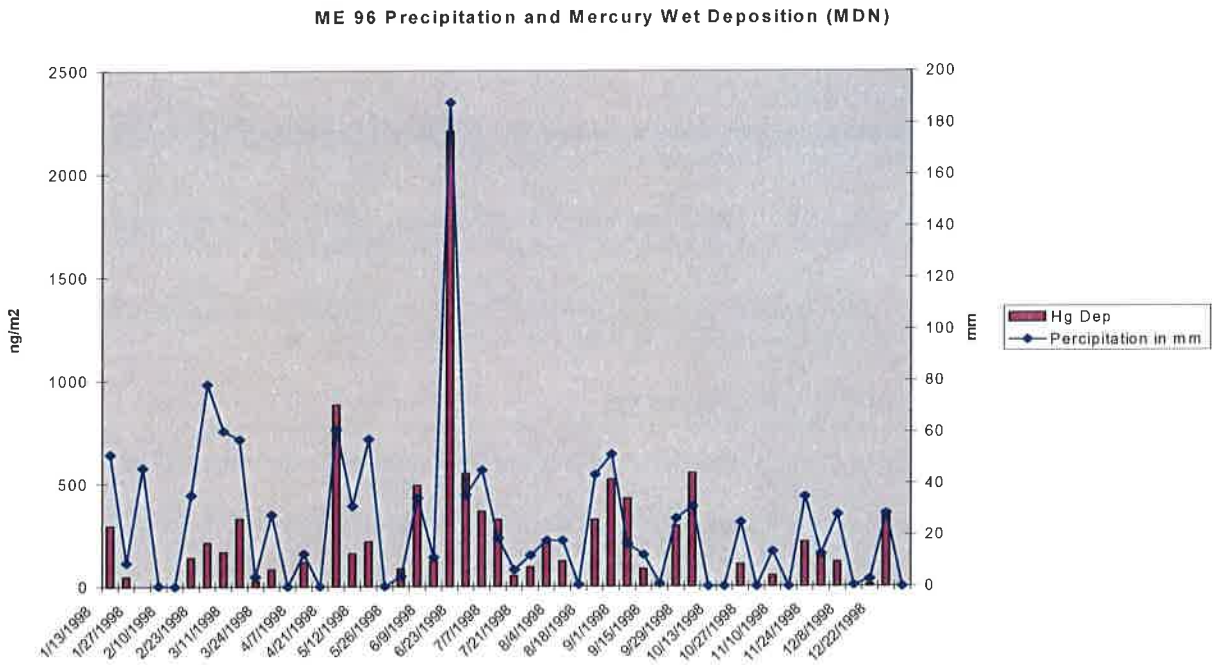
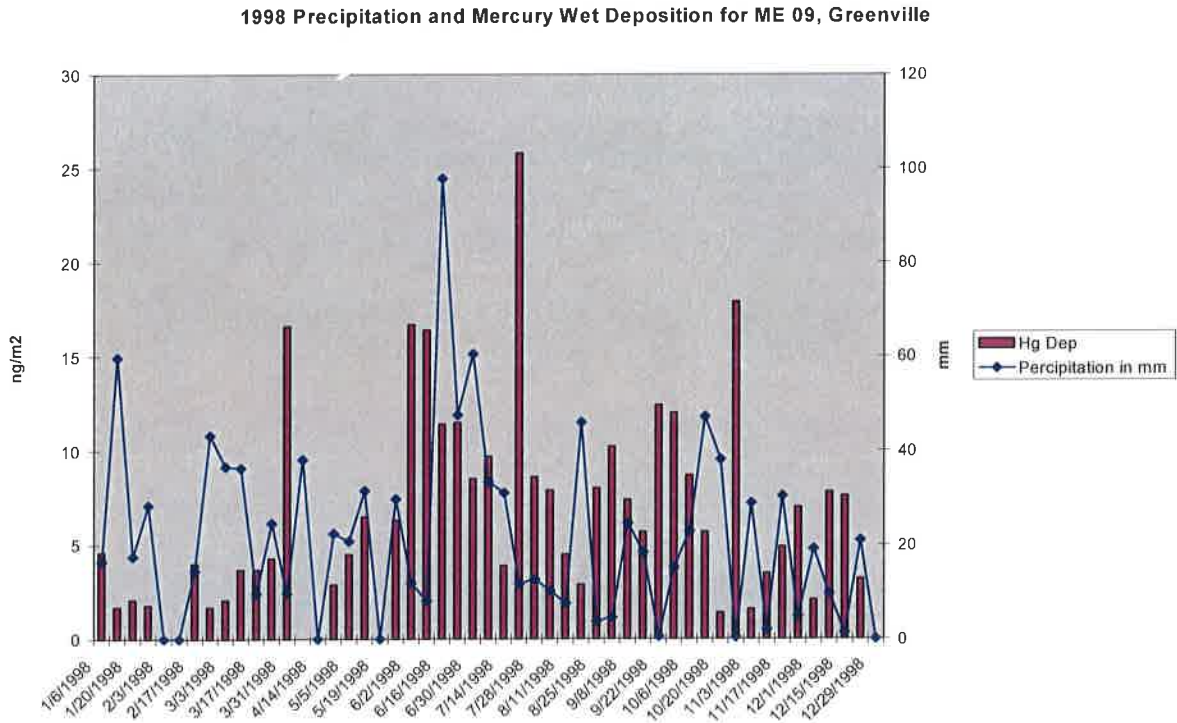


Figure 11. 1998 Mercury Wet Deposition and Precipitation for ME 09, Greenville.



Source: File MDN02c.xls, chart; 98 PrecipWetDepME09.

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Appendix A: Seasonal\* concentration and deposition of mercury at MDN monitoring sites in Maine and the Northeast during 1998-2001.

Site	Year	Season	Average Seasonal Concentration (ng/L)	Average Seasonal Deposition (ng/m <sup>2</sup> )	Average Seasonal Precipitation. (mm)
ME02/ Bridgton	1998	Winter 1998	5.97	105.66	14.79
ME02/ Bridgton	1998	Spring 1998	3.97	208.42	20.84
ME02/ Bridgton	1998	Summer 1998	11.55	142.03	25.88
ME02/ Bridgton	1998	Fall 1998	8.26	68.03	22.77
ME02/ Bridgton	1999	Winter 1999	4.90	83.12	19.50
ME02/ Bridgton	1999	Spring 1999	9.65	132.68	16.42
ME02/ Bridgton	1999	Summer 1999	11.90	163.86	15.53
ME02/ Bridgton	1999	Fall 1999	6.10	139.10	32.00
ME02/ Bridgton	2000	Winter 2000	3.33	78.34	18.41
ME02/ Bridgton	2000	Spring 2000	7.92	154.65	25.89
ME02/ Bridgton	2000	Summer 2000	9.04	125.83	20.80
ME02/ Bridgton	2000	Fall 2000	3.43	61.10	17.45
ME02/ Bridgton	2001	Winter 2001	4.49	44.93	14.36
ME02/ Bridgton	2001	Spring 2001	8.78	87.58	13.55
ME02/ Bridgton	2001	Summer 2001	10.57	128.66	13.16
ME02/ Bridgton	2001	Fall 2001	7.47	91.08	14.47
ME96/ Freeport	1998	Winter 1998	5.55	99.63	23.39
ME96/ Freeport	1998	Spring 1998	6.13	172.51	26.28
ME96/ Freeport	1998	Summer 1998	11.65	415.55	37.09
ME96/ Freeport	1998	Fall 1998	8.16	145.92	13.32
ME96/ Freeport	1999	Winter 1999	4.99	108.73	23.78
ME96/ Freeport	1999	Spring 1999	11.13	183.21	23.76
ME96/ Freeport	1999	Summer 1999	12.44	126.12	9.79
ME96/ Freeport	1999	Fall 1999	6.94	219.95	33.03
ME96/ Freeport	2000	Winter 2000	4.69	126.17	20.52
ME96/ Freeport	2000	Spring 2000	8.86	178.48	26.42
ME96/ Freeport	2000	Summer 2000	11.16	185.05	20.11
ME96/ Freeport	2000	Fall 2000	4.07	103.90	23.42
ME96/ Freeport	2001	Winter 2001	4.66	126.17	13.32
ME96/ Freeport	2001	Spring 2001	11.73	71.24	20.84
ME96/ Freeport	2001	Summer 2001	27.45	175.71	10.60
ME96/ Freeport	2001	Fall 2001	8.60	101.22	14.66
ME09/ Greenville	1998	Winter 1998	2.82	45.35	17.76
ME09/ Greenville	1998	Spring 1998	4.22	88.30	20.12
ME09/ Greenville	1998	Summer 1998	10.15	273.33	29.41
ME09/ Greenville	1998	Fall 1998	7.58	99.20	18.42
ME09/ Greenville	1999	Winter 1999	3.41	58.85	20.62
ME09/ Greenville	1999	Spring 1999	5.17	76.55	17.72
ME09/ Greenville	1999	Summer 1999	10.40	208.84	21.25
ME09/ Greenville	1999	Fall 1999	4.78	151.38	37.73
ME09/ Greenville	2000	Winter 2000	1.51	59.46	35.80
ME09/ Greenville	2000	Spring 2000	6.59	126.68	28.47
ME09/ Greenville	2000	Summer 2000	12.66	14.66	13.26
ME09/ Greenville	2000	Fall 2000	3.02	45.02	16.62
ME09/ Greenville	2001	Winter 2001	5.53	56.47	12.56
ME09/ Greenville	2001	Spring 2001	5.68	49.69	8.63
ME09/ Greenville	2001	Summer 2001	9.94	112.92	15.98
ME09/ Greenville	2001	Fall 2001	5.36	90.23	14.68
ME98/ Acadia	1998	Winter 1998	4.27	121.23	39.26
ME98/ Acadia	1998	Spring 1998	9.32	197.94	30.10
ME98/ Acadia	1998	Summer 1998	12.61	211.02	20.24
ME98/ Acadia	1998	Fall 1998	8.02	149.99	23.89
ME98/ Acadia	1999	Winter 1999	3.58	120.91	32.42
ME98/ Acadia	1999	Spring 1999	6.96	125.90	20.38

## Appendix A continued.

ME98/ Acadia	1999	Summer 1999	13.11	119.66	8.50
ME98/ Acadia	1999	Fall 1999	4.29	244.54	41.30
ME98/ Acadia	2000	Winter 2000	5.62	155.32	24.45
ME98/ Acadia	2000	Spring 2000	7.56	254.09	34.83
ME98/ Acadia	2000	Summer 2000	15.46	154.07	13.16
ME98/ Acadia	2000	Fall 2000	3.85	101.65	41.30
ME98/ Acadia	2001	Winter 2001	3.16	65.29	15.83
ME98/ Acadia	2001	Spring 2001	8.42	69.58	13.63
ME98/ Acadia	2001	Summer 2001	17.88	142.84	10.38
ME98/ Acadia	2001	Fall 2001	7.77	87.13	12.22
NH00/ Laconia, NH	1998	Winter 1998	2.48	44.88	11.26
NH00/ Laconia, NH	1998	Spring 1998	16.40	96.83	10.80
NH00/ Laconia, NH	1998	Summer 1998	9.08	233.42	34.89
NH00/ Laconia, NH	1998	Fall 1998	8.38	132.72	14.93
NH00/ Laconia, NH	1999	Winter 1999	4.05	67.29	18.66
NH00/ Laconia, NH	1999	Spring 1999	14.68	106.58	13.08
NH00/ Laconia, NH	1999	Summer 1999	10.79	167.33	15.48
NH00/ Laconia, NH	1999	Fall 1999	6.10	176.29	39.73
NH00/ Laconia, NH	2000	Winter 2000	2.41	51.61	14.23
NH00/ Laconia, NH	2000	Spring 2000	6.59	176.38	23.89
NH00/ Laconia, NH	2000	Summer 2000	NA	NA	NA
NH00/ Laconia, NH	2000	Fall 2000	NA	NA	NA
NH00/ Laconia, NH	2001	Winter 2001	4.78	76.86	13.88
NH00/ Laconia, NH	2001	Spring 2001	16.40	157.88	10.50
NH00/ Laconia, NH	2001	Summer 2001	12.24	178.16	16.73
NH00/ Laconia, NH	2001	Fall 2001	8.58	90.80	11.98
NH05/ New Castle, NH	1998	Winter 1998	6.95	62.18	14.49
NH05/ New Castle, NH	1998	Spring 1998	5.78	178.25	24.38
NH05/ New Castle, NH	1998	Summer 1998	13.81	222.89	22.75
NH05/ New Castle, NH	1998	Fall 1998	10.60	122.65	17.02
NH05/ New Castle, NH	1999	Winter 1999	5.31	87.98	21.79
NH05/ New Castle, NH	1999	Spring 1999	10.11	95.20	19.23
NH05/ New Castle, NH	1999	Summer 1999	8.77	66.34	6.05
NH05/ New Castle, NH	1999	Fall 1999	5.53	142.39	28.30
NH05/ New Castle, NH	2000	Winter 2000	NA	NA	NA
NH05/ New Castle, NH	2000	Spring 2000	NA	NA	NA
NH05/ New Castle, NH	2000	Summer 2000	NA	NA	NA
NH05/ New Castle, NH	2000	Fall 2000	NA	NA	NA
NH05/ New Castle, NH	2001	Winter 2001	4.00	87.20	22.38
NH05/ New Castle, NH	2001	Spring 2001	10.78	119.88	14.41
NH05/ New Castle, NH	2001	Summer 2001	14.13	221.11	18.56
NH05/ New Castle, NH	2001	Fall 2001	9.77	78.48	11.62
NB02/ St. Andrews, NB	1998	Winter 1998	3.87	78.68	22.03
NB02/ St. Andrews, NB	1998	Spring 1998	10.07	172.42	25.56
NB02/ St. Andrews, NB	1998	Summer 1998	10.66	122.05	13.85
NB02/ St. Andrews, NB	1998	Fall 1998	8.07	125.49	23.06
NB02/ St. Andrews, NB	1999	Winter 1999	3.55	121.34	30.01
NB02/ St. Andrews, NB	1999	Spring 1999	10.44	116.34	17.39
NB02/ St. Andrews, NB	1999	Summer 1999	11.95	166.83	14.70
NB02/ St. Andrews, NB	1999	Fall 1999	4.97	156.87	27.25
NB02/ St. Andrews, NB	2000	Winter 2000	4.28	100.29	21.12
NB02/ St. Andrews, NB	2000	Spring 2000	7.63	169.73	24.98
NB02/ St. Andrews, NB	2000	Summer 2000	15.89	117.87	9.16
NB02/ St. Andrews, NB	2000	Fall 2000	7.09	67.68	16.24
NB02/ St. Andrews, NB	2001	Winter 2001	2.72	40.45	4.75
NB02/ St. Andrews, NB	2001	Spring 2001	15.64	90.10	15.20
NB02/ St. Andrews, NB	2001	Summer 2001	13.12	86.22	9.42
NB02/ St. Andrews, NB	2001	Fall 2001	6.71	108.30	15.15
NS01/ Kejimikujik, NS	1998	Winter 1998	3.16	81.05	25.01
NS01/ Kejimikujik, NS	1998	Spring 1998	8.22	111.80	22.61

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### Appendix A continued.

NS01/ Kejimkujik, NS	1998	Summer 1998	14.02	172.25	15.45
NS01/ Kejimkujik, NS	1998	Fall 1998	6.07	124.92	29.43
NS01/ Kejimkujik, NS	1999	Winter 1999	3.30	99.43	28.08
NS01/ Kejimkujik, NS	1999	Spring 1999	6.36	106.87	23.91
NS01/ Kejimkujik, NS	1999	Summer 1999	9.26	154.94	18.39
NS01/ Kejimkujik, NS	1999	Fall 1999	3.48	115.12	29.45
NS01/ Kejimkujik, NS	2000	Winter 2000	5.62	138.95	31.68
NS01/ Kejimkujik, NS	2000	Spring 2000	9.62	157.93	25.83
NS01/ Kejimkujik, NS	2000	Summer 2000	6.62	88.94	13.73
NS01/ Kejimkujik, NS	2000	Fall 2000	3.23	89.98	27.16
NS01/ Kejimkujik, NS	2001	Winter 2001	5.31	95.20	23.34
NS01/ Kejimkujik, NS	2001	Spring 2001	10.55	170.81	22.92
NS01/ Kejimkujik, NS	2001	Summer 2001	12.14	101.83	11.09
NS01/ Kejimkujik, NS	2001	Fall 2001	8.74	128.62	21.42

\* Seasonal estimates were based on Dec.-Feb., Mar-May, June-Aug., and Sept.-Nov. quarters. Annual estimates were based on normal calendar years (i.e., Jan.-Dec.). NOTE weekly concentrations and deposition measurements for these sites are in the Appendix.  
SOURCE: MDN02e.xls, sheet; Annual A.





## Appendix B

### B1. MDN Codes

MDN DATA CODES	MDN DATA FIELDS
	SITE CODE: 2-letter state or province designator plus SAROAD county code (US) or sequential number (Canada).
	START DATE: (mm/dd/yyyy)
	END DATE: (mm/dd/yyyy)
	SUBPPT: Rain Gauge (RG) precipitation amount in mm if available, otherwise precipitation amount in mm is calculated from the net rain volume caught in the sample bottle.
	PPT: Precipitation amount in mm from the rain gauge (RG), if blank, no RG data.
	HG CONC: total mercury concentration reported by the lab in ng/L.
	DEPOSITION: product of SUBPPT and HG CONC, units are ng/m <sup>2</sup>
	Quality rating (QR) CODE:
	A = fully qualified with no problems
	B = valid data with minor problems, used for summary statistics
	C = invalid data, not used for summary statistics
	BLANK= no sample submitted for this time period

SAMPLE TYPE:
W = wet sample, measurable precipitation (> or = 0.03 in.) on the rain gauge (RG) or net bottle catch (BC) = or > 10.0 mL if RG data are missing. Concentration and deposition data are reported unless the QR Code = C.
D = dry sample, no indication of sampler openings on the RG or net BC < 1.5 mL if RG event recorder data are missing. No concentration data are reported. Ppt, subppt, and deposition are set to zero.
T = trace sample, RG shows openings or a trace precipitation amount (<0.03 inches).
If the RG data are missing, a net BC between 1.5 and 10.0 mL (inclusive) will be coded as a T sample type.
Concentration data may or may not be reported depending whether the BC is 1.5 mL or higher.
If BC = 1.5 mL or higher, then ppt is blank, Subppt = BC, and deposition is based on the BC.
If BC < 1.5 mL, then ppt subppt and deposition are all set to zero.
Q = sampler was used for a Quality assurance (QA) sample, no ambient sample submitted.
No concentration values are reported (QA values will be published in the QA report).
Deposition is only reported where the value is zero (D or T samples with no measurable precipitation).

NOTES:QR	CODE	Valid for Summaries(Y/N)
s = short sample time (< 6days)	B	Y
e = extended sample time (> 8days)	B	Y
d = debris present (previously x)	B	Y
m = missing information (previously, r, no event recorder, and p, missing RG precipitation record)	B	Y
z = site operations problems	B	Y
h = sample handling problems (z and h include equipment and handling problems that don't seriously compromise the sample)	B	Y
I = low volume sample (1.49mL < net BC < 10.00mL) (Hg conc. Data are reported but they are less certain than those for samples with a net BC of at least 10 mL)	B	Y
b = bulk sample (wet side open the whole time)	C	N
v = RG indicates precipitation occurred but BC < 1 mL or < 10% of indicated RG precipitation amount.	C	N
u = undefined sample (wet side open during dry periods)	C	N
f = serious problems in field operations that compromise sample integrity.	C	N
l = laboratory error	C	N
c = sample compromised due to contamination	C	N
p = no ppt data from either RG or BC	C	N
n = no sample submitted	--	N

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### B1. MDN Codes (continued)

Calculation of Deposition:
1. If a valid precipitation amount can be read from the rain gauge chart (RG $\geq$ 0.03 inches), the sample type is set to "W" (wet); and the value from the RG chart is used to calculate deposition (RG amount in mm times Hg concentration in ng/mL).
If the RG chart event recorder shows no sampler openings, sample type is set to "D" (dry) and precipitation amount and deposition are set to 0.
2. If the precipitation amount from the RG chart is not available, the net bottle catch (BC) will be used to calculate deposition as long as BC $>$ 1.49mL.
If the BC $<$ 1.5 mL, the precipitation amount will be set to 0 and the sample type set to "D" (dry).
If the BC is between 1.5 and 10.0 mL, the sample type will be set to "T" (trace) and the BC used to calculate deposition.
These samples are also coded with an "T" in the Notes field and downgraded to a "B" Quality Rating to indicate uncertainty due to low volume.
If the BC is $>$ 10 mL, the sample type will be set to "W" (wet) and the BC will be used to calculate deposition.
3. If the RG indicates sampler openings, but the precipitation amount can't be determined accurately from the RG chart (RG $<$ 0.03 inches) the sample type will be coded "T" (trace) and the BC will be used to calculate deposition as long as the BC is $\geq$ 1.5mL.
If the BC is $<$ 10mL, samples will be coded for low volume as in 2. If the BC is $<$ 1.5mL, no concentration will be reported and the ppt, subppt, and deposition will be set to 0.
4. In cases where there is a valid precipitation amount from either RG or BC but invalid or missing concentration data, seasonal or annual summary deposition values will be calculated using the site-specific, seasonal, volume-weighted average concentration.
This deposition value will not be displayed for individual weeks in the WEB database, but it will be used only for the calculation seasonal and annual average concentrations and deposition amounts on maps and other summary products.

Data Citation
National Atmospheric Deposition Program (NRSP-3)/Mercury Deposition Network. (2002). NADP Program Office, Illinois State Water Survey, 2204 Griffith Drive, Champaign, IL 61820.

SOURCE: MDN02e.xls, sheet; MDN Codes

B2. Bridgton, Maine Weekly MDN Data

NADP/MDN Monitoring Location ME02	
Station	Bridgton (ME02)
Location	Cumberland County, Maine
Dates of Operation	06/04/1997 – present
Latitude	44 06 27
Longitude	70 43 44
Elevation	222 meters
USGS 1:24000 Map Name	Bridgton, 1983
Operating Agency	USEPA /NE States for Coordinated Air Use Management (NESAUM)
Funding Agency	USEPA/ORD-NE States for Coordinated Air Use Management (NESAUM)

Site	Date On	Date Off	Subppt	Pptrec	Hg Conc	Hg Dep	QR	SP	SL	Inval
ME02	6/3/1997	6/10/1997	0	0	-9	0	B			nr
ME02	6/10/1997	6/17/1997	12.7	12.7	30.77	390.72	B			xr
ME02	6/17/1997	6/24/1997	46.23	46.23	13.5	624.09	B			xr
ME02	6/24/1997	7/1/1997	0.76	0.76	-9	-9	B			nr
ME02	7/1/1997	7/8/1997	26.92	26.92	-9	-9	C		F	rzf
ME02	7/8/1997	7/15/1997	95.25	95.25	9.45	899.84	B			r
ME02	7/15/1997	7/22/1997	9.14	9.14	21.8	199.37	B			x
ME02	7/22/1997	7/29/1997	0.51	0.51	-9	-9	B			nr
ME02	7/29/1997	8/5/1997	2.54	2.54	47.61	120.94	B			r
ME02	8/5/1997	8/12/1997	9.91	9.91	-9	-9	C		F	rf
ME02	8/12/1997	8/19/1997	21.08	21.08	20.6	434.29	B			xr
ME02	8/19/1997	8/26/1997	60.96	60.96	4.33	264.03	B			r
ME02	8/26/1997	9/2/1997	46.23	46.23	8.07	372.93	B			r
ME02	9/2/1997	9/9/1997	31.75	31.75	3.45	109.67	B			r
ME02	9/9/1997	9/16/1997	27.94	27.94	12.31	343.93	B			r
ME02	9/16/1997	9/23/1997	3.05	3.05	-9	-9	C		F	nrf
ME02	9/23/1997	9/30/1997	29.97	29.97	5.74	171.89	B			r
ME02	9/29/1997	10/6/1997	12.45	12.45	18.7	232.69	B			r
ME02	10/7/1997	10/14/1997	0	0	-9	0	B			nr
ME02	10/14/1997	10/21/1997	0	0	0	0	A			v
ME02	10/21/1997	10/28/1997	19.05	19.05	4.16	79.26	A			
ME02	10/28/1997	11/4/1997	87.63	87.63	5.9	516.81	A			
ME02	11/4/1997	11/11/1997	42.16	42.16	6.24	263.09	B			h
ME02	11/11/1997	11/18/1997	13.97	13.97	-9	-9	C	U	F	zrfu
ME02	11/18/1997	11/25/1997	22.86	22.86	2.78	63.59	A			
ME02	11/25/1997	12/2/1997	19.81	19.81	4.41	87.36	A			
ME02	12/2/1997	12/9/1997	7.11	7.11	12.71	90.4	A			
ME02	12/9/1997	12/16/1997	0.51	0.51	-9	-9	A			n
ME02	12/16/1997	12/23/1997	0	0	-9	0	A			n
ME02	12/23/1997	12/30/1997	22.82	-9	2.56	58.49	A			p

Site	Date On	Date Off	Subppt	Pptrec	Hg Conc	Hg Dep	QR	Sample Type	Notes
ME02	12/30/1997	1/6/1998	6.6	6.6	10.4	68.6	A	W	
ME02	1/6/1998	1/8/1998	37.8	37.8	7.2	272.4	B	W	szm
ME02	1/20/1998	1/27/1998	25.4	25.4	1.9	48.6	B	W	h
ME02	1/27/1998	2/3/1998	1.8	1.8	6.7	12	A	W	
ME02	2/3/1998	2/10/1998	0	0	-9	0	A	D	
ME02	2/10/1998	2/17/1998	24.9	24.9	3.3	83.4	A	W	
ME02	2/17/1998	2/24/1998	32.5	32.5	2	64.2	B	W	h
ME02	2/24/1998	3/3/1998	34.8	34.8	-9	-9	C	W	f
ME02	3/3/1998	3/10/1998	63.2	63.2	4.6	292.8	A	W	
ME02	3/10/1998	3/17/1998	4.8	4.8	7.4	35.6	A	W	
ME02	3/17/1998	3/24/1998	19	19	2.9	56.1	B	W	z
ME02	3/24/1998	3/31/1998	0	0	-9	0	B	D	h
ME02	3/31/1998	4/7/1998	14	14	6.6	91.6	A	W	

B2. Bridgton, Maine Weekly MDN Data (continued)

ME02	4/7/1998	4/14/1998	0	0	-9	0	A	D	
ME02	4/21/1998	4/28/1998	19.8	19.8	5.8	115.3	A	W	
ME02	4/28/1998	5/5/1998	8.1	8.1	8.8	71.2	A	W	
ME02	5/5/1998	5/12/1998	65.5	65.5	7.6	499.7	B	W	h
ME02	5/12/1998	5/19/1998	0	0	-9	0	A	T	
ME02	5/19/1998	5/26/1998	2.3	2.3	27.7	63.3	B	W	d
ME02	5/26/1998	6/2/1998	16.5	16.5	20.9	345.3	A	W	
ME02	6/2/1998	6/9/1998	8.6	8.6	14	121.1	B	W	h
ME02	6/9/1998	6/16/1998	189.2	189.2	4.7	885.8	A	W	
ME02	6/16/1998	6/23/1998	11	11	11.7	129.2	A	W	
ME02	6/23/1998	6/30/1998	29.8	29.8	9.1	271.9	A	W	
ME02	6/30/1998	7/7/1998	31.5	31.5	12.6	397	B	W	h
ME02	7/7/1998	7/14/1998	6.4	6.4	8.2	52	A	W	
ME02	7/14/1998	7/21/1998	3.2	3.2	16.6	52.8	A	W	
ME02	7/21/1998	7/28/1998	3	3	16.5	50.4	A	W	
ME02	7/28/1998	8/4/1998	0.8	0.8	-9	-9	C	W	dv
ME02	8/4/1998	8/11/1998	3.8	3.8	8.9	33.8	A	W	
ME02	8/11/1998	8/18/1998	21.1	21.1	6.1	129.6	A	W	
ME02	8/18/1998	8/25/1998	11.6	11.6	20.8	240.5	A	W	
ME02	8/25/1998	9/1/1998	10.5	-9	16.1	169.9	B	W	m
ME02	9/1/1998	9/8/1998	12.2	12.2	10.1	123.7	B	W	d
ME02	9/8/1998	9/15/1998	1.9	1.9	6	11.4	A	W	
ME02	9/15/1998	9/22/1998	5.6	5.6	8.3	46.3	A	W	
ME02	9/22/1998	9/29/1998	30.8	-9	13.4	412.3	B	W	m
ME02	9/29/1998	10/6/1998	4.4	-9	18.3	80.2	B	W	m
ME02	10/6/1998	10/13/1998	118.1	118.1	2.5	290.3	A	W	
ME02	10/13/1998	10/20/1998	30	30	7.3	219	A	W	
ME02	10/27/1998	11/3/1998	7.2	7.2	3.7	26.9	A	W	
ME02	11/3/1998	11/10/1998	0	0	-9	0	A	D	
ME02	11/10/1998	11/17/1998	42.6	42.6	5.9	250.5	B	W	m
ME02	11/17/1998	11/24/1998	9.9	9.9	7.5	73.9	B	W	dm
ME02	11/24/1998	12/1/1998	30.7	-9	3	92.2	B	W	m
ME02	12/1/1998	12/8/1998	1.1	-9	17.1	19.3	B	W	m
ME02	12/8/1998	12/15/1998	0.8	0.8	3.5	2.7	B	W	m
ME02	12/15/1998	12/22/1998	15.6	-9	9.7	151	B	W	m
ME02	12/22/1998	12/29/1998	0.3	-9	6.8	1.9	B	T	mi
ME02	12/29/1998	1/5/1999	24.1	24.1	1.8	43.1	A	W	
ME02	1/5/1999	1/12/1999	19.4	-9	1.5	29.6	B	W	m
ME02	1/12/1999	1/19/1999	69.6	69.6	3.8	262.6	B	W	m
ME02	1/19/1999	1/26/1999	22.9	22.9	5.2	117.9	B	W	h
ME02	1/26/1999	2/2/1999	2.3	2.3	-9	-9	C	W	v
ME02	2/2/1999	2/9/1999	36.1	36.1	3.2	115.4	A	W	
ME02	2/9/1999	2/16/1999	4.8	4.8	14.6	70.4	B	W	d
ME02	2/16/1999	2/23/1999	12.7	12.7	6.5	81.9	A	W	
ME02	2/23/1999	3/2/1999	45	45	3.7	163.9	B	W	d
ME02	3/2/1999	3/9/1999	36.3	-9	6.1	222.3	B	W	dm
ME02	3/9/1999	3/16/1999	8.9	8.9	6.2	55.5	B	W	hd
ME02	3/16/1999	3/23/1999	38.9	38.9	7.2	279.9	B	W	d
ME02	3/23/1999	3/30/1999	10.9	10.9	11.1	120.9	B	W	d
ME02	3/30/1999	4/6/1999	0.8	0.8	22.8	17.4	B	W	di
ME02	4/6/1999	4/13/1999	1.2	1.2	25.2	29.5	B	W	d
ME02	4/13/1999	4/20/1999	1.3	1.3	19.7	25	B	W	d
ME02	4/20/1999	4/27/1999	0	0	-9	0	B	T	d
ME02	4/27/1999	5/4/1999	0	0	-9	0	B	D	d
ME02	5/4/1999	5/11/1999	31.2	31.2	13.2	411.9	B	W	d
ME02	5/11/1999	5/18/1999	0	0	-9	0	B	D	d
ME02	5/18/1999	5/25/1999	38.9	38.9	10.3	398.5	A	W	
ME02	5/25/1999	6/1/1999	1.8	1.8	10.8	19.3	B	W	d
ME02	6/1/1999	6/8/1999	12.7	12.7	11.8	150	B	W	d
ME02	6/8/1999	6/15/1999	4.2	4.2	8.4	35.4	A	W	
ME02	6/15/1999	6/22/1999	5.6	5.6	20.3	113.5	A	W	

B2. Bridgton, Maine Weekly MDN Data (continued)

ME02	6/22/1999	6/29/1999	27.4	27.4	17.3	473.8	B	W	d
ME02	6/29/1999	7/6/1999	40.9	40.9	5.4	220.3	B	W	d
ME02	7/6/1999	7/13/1999	17.3	17.3	12.5	215.5	B	W	d
ME02	7/13/1999	7/20/1999	5.6	5.6	12.8	71.5	A	W	
ME02	7/20/1999	7/27/1999	19.3	19.3	10.7	206.7	B	W	d
ME02	7/27/1999	8/3/1999	0	0	-9	0	A	T	
ME02	8/3/1999	8/10/1999	34.2	34.2	9.6	327.5	B	W	d
ME02	8/10/1999	8/17/1999	35.6	35.6	8.7	307.5	B	W	d
ME02	8/17/1999	8/24/1999	12.7	12.7	8.5	107.6	B	W	d
ME02	8/24/1999	8/31/1999	1.5	1.5	29.8	45.4	B	W	d
ME02	8/31/1999	9/7/1999	11.4	11.4	7.1	81.2	B	W	d
ME02	9/7/1999	9/14/1999	86	86	3	254.8	B	W	d
ME02	9/14/1999	9/21/1999	141	141	3.1	434.8	B	W	d
ME02	9/21/1999	9/28/1999	10.8	10.8	12.6	135.5	B	W	d
ME02	9/28/1999	10/5/1999	21.3	21.3	6.1	130.2	A	W	
ME02	10/5/1999	10/12/1999	1.5	1.5	7.4	11.2	A	W	
ME02	10/12/1999	10/19/1999	14	14	7	98.2	A	W	
ME02	10/19/1999	10/26/1999	59.7	-9	2.1	123.8	B	W	dm
ME02	10/26/1999	11/2/1999	0	0	-9	0	A	T	
ME02	11/2/1999	11/9/1999	25.4	25.4	6.4	161.3	B	W	d
ME02	11/9/1999	11/16/1999	11.8	11.8	8	94.9	B	W	d
ME02	11/16/1999	11/23/1999	9.7	9.7	7.5	72.4	B	W	d
ME02	11/23/1999	11/30/1999	23.4	23.4	9	210	B	W	d
ME02	11/30/1999	12/7/1999	10.4	10.4	6.4	66.6	B	W	dm
ME02	12/7/1999	12/14/1999	5.3	5.3	9.9	52.9	B	W	dm
ME02	12/14/1999	12/21/1999	26.4	26.4	5.9	157	B	W	dm
ME02	12/21/1999	12/28/1999	0	0	-9	0	B	D	hdm
ME02	12/28/1999	1/4/2000	12.7	12.7	12.1	153.7	B	W	d
ME02	1/4/2000	1/11/2000	40.5	40.5	4.6	188.2	B	W	d
ME02	1/11/2000	1/18/2000	10.2	10.2	6.2	62.9	B	W	d
ME02	1/18/2000	1/25/2000	0	0	-9	0	A	D	
ME02	1/25/2000	2/1/2000	22.9	22.9	2.8	63.2	B	W	dh
ME02	2/1/2000	2/8/2000	0	0	-9	0	B	D	d
ME02	2/8/2000	2/15/2000	34.7	34.7	4.1	143	B	W	d
ME02	2/15/2000	2/22/2000	12.1	12.1	3.2	38.3	B	W	d
ME02	2/22/2000	2/29/2000	14.4	14.4	-9	-9	C	W	fv
ME02	2/29/2000	3/7/2000	3	3	12.8	39.1	B	W	d
ME02	3/7/2000	3/14/2000	29.5	29.5	5.2	154.5	B	W	d
ME02	3/14/2000	3/21/2000	11.4	11.4	4.4	50.1	B	W	d
ME02	3/21/2000	3/28/2000	45.7	45.7	4.7	216.6	B	W	dh
ME02	3/28/2000	4/4/2000	45.4	45.4	7.7	347.8	B	W	d
ME02	4/4/2000	4/11/2000	31.2	31.2	5.8	181.2	B	W	d
ME02	4/11/2000	4/18/2000	6.2	6.2	5.1	31.7	B	W	d
ME02	4/18/2000	4/25/2000	79.1	79.1	3.1	248.2	B	W	d
ME02	4/25/2000	5/2/2000	1.3	1.3	16.1	20.4	B	W	di
ME02	5/2/2000	5/9/2000	12.2	12.2	15.7	191.6	B	W	dh
ME02	5/9/2000	5/16/2000	30.4	30.4	9.6	292.4	B	W	d
ME02	5/16/2000	5/23/2000	10.2	10.2	7.5	76.9	A	W	
ME02	5/23/2000	5/30/2000	31	31	5.2	159.9	B	W	h
ME02	5/30/2000	6/6/2000	15.4	15.4	-9	-9	C	W	uz
ME02	6/6/2000	6/13/2000	22.2	22.2	10	222	B	W	d
ME02	6/13/2000	6/20/2000	8	8	13.2	105.4	B	W	d
ME02	6/20/2000	6/27/2000	18.8	18.8	5.5	103.1	B	W	h
ME02	6/27/2000	7/4/2000	44.5	44.5	-9	-9	C	W	ufd
ME02	7/4/2000	7/11/2000	26.4	26.4	-9	-9	C	W	bd
ME02	7/11/2000	7/18/2000	39	39	-9	-9	C	W	udf
ME02	7/18/2000	7/25/2000	2	2	26	52.8	A	W	

B2. Bridgton, Maine Weekly MDN Data (continued)

ME02	7/25/2000	8/1/2000	37.5	37.5	11.3	421.9	B	W	d
ME02	8/1/2000	8/8/2000	4.6	4.6	11.1	50.9	B	W	m
ME02	8/8/2000	8/15/2000	34.7	34.7	16.9	585.9	B	W	dm
ME02	8/15/2000	8/22/2000	3.9	3.9	12.4	48.8	B	W	dm
ME02	8/22/2000	8/29/2000	4.1	4.1	11.1	45	B	W	m
ME02	8/29/2000	9/5/2000	4.8	4.8	10	48.4	B	W	dm
ME02	9/5/2000	9/12/2000	0	0	-9	0	B	D	m
ME02	9/12/2000	9/19/2000	21.6	21.6	-9	-9	C	W	fm
ME02	9/19/2000	9/26/2000	5.7	5.7	5.4	30.7	B	W	m
ME02	9/26/2000	10/3/2000	0	0	-9	0	A	D	
ME02	10/3/2000	10/10/2000	32.7	32.7	4.9	161.8	B	W	dm
ME02	10/10/2000	10/17/2000	6.6	6.6	3.2	21.3	B	W	m
ME02	10/17/2000	10/24/2000	37.8	37.8	3.1	115.5	B	W	m
ME02	10/24/2000	10/31/2000	10.7	10.7	1.9	20.5	B	W	hm
ME02	10/31/2000	11/7/2000	16.1	16.1	7.9	127.8	B	W	dm
ME02	11/7/2000	11/14/2000	40.5	40.5	4.1	164.3	B	W	dm
ME02	11/14/2000	11/21/2000	27.6	27.6	2	55.4	B	W	dm
ME02	11/21/2000	11/28/2000	22.8	22.8	2.1	48.6	B	W	m
ME02	11/28/2000	12/5/2000	0.5	0.5	2.2	1.1	B	T	ni
ME02	12/5/2000	12/12/2000	15	15	0	0	B	W	dm
ME02	12/12/2000	12/19/2000	72.1	72.1	4.9	354.7	B	W	dm
ME02	12/19/2000	12/26/2000	4.2	-9	3.2	13.3	B	W	m
Site ID: ME02 Date Range: to Report Date: 5/15/2002									
1:51:43 PM									
Site	Date On	Date Off	Subppt	Pptrec	HgConc	HgDep	QR	SampleT ype	Notes
ME02	12/26/2000	1/2/2001	0	0	4.5	0	B	W	m
ME02	1/2/2001	1/9/2001	8.6	8.6	1.4	12	B	W	m
ME02	1/9/2001	1/16/2001	5.8	5.8	-9	-9	C	W	mhf
ME02	1/16/2001	1/23/2001	1.8	1.8	6.1	10.9	B	W	mi
ME02	1/23/2001	1/30/2001	0	0	-9	0	A	D	
ME02	1/30/2001	2/6/2001	39.7	39.7	2.1	82.2	B	W	mh
ME02	2/6/2001	2/13/2001	8.3	8.3	8.3	68.7	B	W	m
ME02	2/13/2001	2/20/2001	2.2	2.2	11.4	24.7	B	W	dmz
ME02	2/20/2001	2/27/2001	21	21	6.2	130.1	B	W	dm
ME02	2/27/2001	3/6/2001	17.5	17.5	-9	-9	C	W	dmhf
ME02	3/6/2001	3/13/2001	15.2	15.2	3	45	B	W	dmz
ME02	3/13/2001	3/20/2001	2.5	2.5	3.8	9.8	B	W	d
ME02	3/20/2001	3/27/2001	45.5	45.5	0.9	41.5	B	W	dmz
ME02	3/27/2001	4/3/2001	29.5	29.5	3.1	91.1	B	W	mh
ME02	4/3/2001	4/10/2001	7.5	7.5	10.7	80.1	B	W	m
ME02	4/10/2001	4/17/2001	20.6	20.6	6.9	142.5	B	W	dm
ME02	4/17/2001	4/24/2001	0.9	0.9	17.4	15.4	B	W	dmi
ME02	4/24/2001	5/1/2001	0	0	-9	0	B	T	d
ME02	5/1/2001	5/8/2001	1	1	17.6	16.8	B	W	di
ME02	5/8/2001	5/15/2001	12.2	12.2	25.2	307.3	B	W	d
ME02	5/15/2001	5/22/2001	1	1	11.3	11.5	A	W	
ME02	5/22/2001	5/29/2001	26.7	26.7	14.2	377.5	B	W	d
ME02	5/29/2001	6/5/2001	68.6	68.6	7.2	492.9	B	W	d
ME02	6/5/2001	6/12/2001	6.9	6.9	12.7	87	B	W	d
ME02	6/12/2001	6/19/2001	10.2	10.2	20	202.7	B	W	d
ME02	6/19/2001	6/26/2001	9.1	9.1	8.2	74.2	B	W	d
ME02	6/26/2001	7/3/2001	10.2	10.2	12.9	131.6	B	W	d
ME02	7/3/2001	7/10/2001	22.1	22.1	11.5	254.2	B	W	d
ME02	7/10/2001	7/17/2001	23.1	23.1	9.6	221.8	B	W	d
ME02	7/17/2001	7/24/2001	1	1	-9	-9	C	W	dv
ME02	7/24/2001	7/31/2001	8.5	8.5	4.3	36.6	B	W	d
ME02	7/31/2001	8/7/2001	2.3	2.3	28	64.4	A	W	
ME02	8/7/2001	8/14/2001	7.1	7.1	12	85.2	B	W	dz
ME02	8/14/2001	8/21/2001	2	2	11	22	B	W	d

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ME02	8/21/2001	8/28/2001	0	0	0	0	A	T	
ME02	8/28/2001	9/4/2001	22.9	22.9	9.1	208.4	B	W	d
ME02	9/4/2001	9/11/2001	8	8	8.6	68.8	B	W	d
ME02	9/11/2001	9/18/2001	0	0	0	0	A	T	
ME02	9/18/2001	9/25/2001	20.6	20.6	10.2	210.1	A	W	
ME02	9/25/2001	10/2/2001	32	32	5	160	B	W	dh
ME02	10/2/2001	10/9/2001	2.2	2.2	6	13.2	A	W	
ME02	10/9/2001	10/16/2001	12.4	12.4	6.1	75.6	B	W	d
ME02	10/16/2001	10/23/2001	16.4	16.4	7.9	129.6	B	W	dh
ME02	10/23/2001	10/30/2001	11.9	11.9	10.7	127.3	B	W	d
ME02	10/30/2001	11/6/2001	43.9	43.9	1.6	70.2	B	W	d
ME02	11/6/2001	11/13/2001	2	2	17.1	34.2	B	W	d
ME02	11/13/2001	11/20/2001	2.3	2.3	10.1	23.2	B	W	d
ME02	11/20/2001	11/27/2001	13.5	13.5	4.7	63.4	B	W	d
ME02	11/27/2001	12/4/2001	28.4	28.4	4.5	127.8	A	W	
ME02	12/4/2001	12/11/2001	4.7	4.7	9.7	45.6	B	W	d
ME02	12/11/2001	12/18/2001	28.8	28.8	2.1	60.5	B	W	d
ME02	12/18/2001	12/25/2001	10.3	10.3	2.1	21.6	B	W	d

SOURCE: MDN02e.xls, sheet; Bridgton 97-01





B3. Freeport, Maine Weekly MDN Data

NADP/MDN Monitoring Location ME96	
Station	Freeport (ME96)
Location	Cumberland County, Maine
Dates of Operation	01/01/1998 - present
Latitude	43 49 55
Longitude	70 03 46
Elevation	15 meters
USGS 1:24000 Map Name	Freeport, 1957
Operating Agency	Maine Department of Environmental Protection Bureau of Air Quality
Funding Agency	Casco Bay Estuary Project

Site	Date On	Date Off	Subppt	Pptrec	Hg Conc	Hg Dep	QR	Sample Type	Notes
ME96	1/6/1998	1/13/1998	51.4	51.4	5.7	295.4	A	W	
ME96	1/13/1998	1/20/1998	9.1	9.1	5	45.4	B	W	h
ME96	1/20/1998	1/27/1998	46.2	46.2	-9	-9	C	W	uhz
ME96	1/27/1998	2/3/1998	0.2	-9	16.7	4.1	B	T	i
ME96	2/3/1998	2/10/1998	0	0	-9	0	A	D	
ME96	2/10/1998	2/17/1998	35.6	35.6	3.9	140.2	A	W	
ME96	2/17/1998	2/23/1998	78.7	78.7	2.7	212.1	B	W	z
ME96	2/23/1998	3/3/1998	60.5	60.5	2.8	168.8	A	W	
ME96	3/3/1998	3/11/1998	57.2	57.2	5.8	330.9	A	W	
ME96	3/11/1998	3/16/1998	3.8	3.8	7	26.5	B	W	s
ME96	3/17/1998	3/24/1998	27.9	27.9	2.9	81.2	A	W	
ME96	3/24/1998	3/31/1998	0	0	-9	0	A	D	
ME96	3/31/1998	4/7/1998	12.7	12.7	9.2	117.4	A	W	
ME96	4/7/1998	4/14/1998	0	0	-9	0	A	D	
ME96	4/14/1998	4/21/1998	61	61	14.5	882.8	B	W	d
ME96	4/28/1998	5/5/1998	31.2	31.2	5.1	160.1	A	W	
ME96	5/5/1998	5/12/1998	57.2	57.2	3.8	216.5	B	W	d
ME96	5/12/1998	5/19/1998	0	0	-9	0	A	D	
ME96	5/19/1998	5/26/1998	3.8	3.8	22.5	85.9	B	W	d
ME96	5/26/1998	6/2/1998	34.3	34.3	14.3	490.8	B	W	d
ME96	6/2/1998	6/9/1998	11.3	-9	10.8	121.8	B	W	m
ME96	6/9/1998	6/16/1998	187.8	187.8	11.8	2209.7	B	W	dhz
ME96	6/16/1998	6/23/1998	35.6	35.6	15.5	549.5	B	W	d
ME96	6/23/1998	6/30/1998	45.1	-9	8.1	365.2	B	W	mz
ME96	6/30/1998	7/7/1998	18.7	18.7	17.4	324.6	B	W	m
ME96	7/7/1998	7/14/1998	6.4	6.4	8	51.1	A	W	
ME96	7/14/1998	7/21/1998	12.1	12.1	7.7	93.4	A	W	
ME96	7/21/1998	7/28/1998	17.8	17.8	12.3	217.9	B	W	h
ME96	7/28/1998	8/4/1998	17.8	-9	6.8	121.4	B	W	d
ME96	8/4/1998	8/11/1998	0.6	-9	21.1	13.2	B	W	i
ME96	8/11/1998	8/18/1998	43.4	43.4	7.5	324.2	B	W	d
ME96	8/18/1998	8/25/1998	51.3	51.3	10.1	519.3	A	W	
ME96	8/25/1998	9/1/1998	16.5	16.5	25.9	428.1	A	W	
ME96	9/1/1998	9/8/1998	12.2	12.2	6.8	83.4	A	W	
ME96	9/8/1998	9/15/1998	1	1	18.6	18.9	B	W	d
ME96	9/15/1998	9/22/1998	26.4	26.4	11.1	292.6	B	W	dz
ME96	9/22/1998	9/29/1998	31.1	31.1	17.7	551.1	B	W	d
ME96	9/29/1998	10/6/1998	0	0	-9	0	B	D	m
ME96	10/6/1998	10/13/1998	-9	-9	-9	-9	C	W	fpz
ME96	10/13/1998	10/20/1998	24.9	24.9	4.3	106.8	A	W	
ME96	10/20/1998	10/27/1998	0	0	-9	0	A	T	
ME96	10/27/1998	11/3/1998	13.5	13.5	3.8	50.7	A	W	
ME96	11/3/1998	11/10/1998	0	0	-9	0	A	D	
ME96	11/10/1998	11/17/1998	34.9	34.9	6.2	216.2	B	W	d
ME96	11/17/1998	11/24/1998	12.7	12.7	11.7	149.2	A	W	
ME96	11/24/1998	12/1/1998	27.9	27.9	4.2	117.2	B	W	h

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B3. Freeport, Maine Weekly MDN Data (continued)

ME96	12/1/1998	12/8/1998	0.4	-9	12	5.1	B	T	I
ME96	12/8/1998	12/15/1998	2.9	2.9	3.5	10.2	A	W	
ME96	12/15/1998	12/22/1998	28.3	28.3	12.9	365.8	A	W	
ME96	12/22/1998	12/29/1998	0	0	-9	0	A	D	
ME96	12/29/1998	1/5/1999	28.9	-9	2	58.1	B	W	m
ME96	1/5/1999	1/12/1999	33.8	33.8	5.2	174.5	B	W	h
ME96	1/12/1999	1/19/1999	84.8	84.8	5.3	448	A	W	
ME96	1/19/1999	1/26/1999	10.9	10.9	6.4	70.2	A	W	
ME96	1/26/1999	2/2/1999	0	0	-9	0	A	T	
ME96	2/2/1999	2/8/1999	54.1	54.1	4.3	229.9	B	W	h
ME96	2/8/1999	2/16/1999	0.5	0.5	16.6	8.4	B	T	I
ME96	2/16/1999	2/23/1999	20.8	20.8	4.6	95.9	A	W	
ME96	2/23/1999	3/2/1999	63.8	63.8	3.8	243.8	B	W	d
ME96	3/2/1999	3/9/1999	19.3	19.3	9.9	191.6	B	W	d
ME96	3/9/1999	3/16/1999	18.3	18.3	2.9	53.8	B	W	d
ME96	3/16/1999	3/22/1999	29.2	29.2	12	349.3	B	W	d
ME96	3/23/1999	3/30/1999	46.2	-9	5.9	271.5	B	W	dm
ME96	3/30/1999	4/6/1999	1.3	1.3	13.4	17.1	B	W	d
ME96	4/6/1999	4/13/1999	0.8	0.8	30.3	23.1	B	W	id
ME96	4/13/1999	4/20/1999	0.7	-9	29	20.3	B	T	id
ME96	4/20/1999	4/27/1999	3.6	3.6	18.6	67.2	B	W	d
ME96	4/27/1999	5/4/1999	0	0	-9	0	B	T	d
ME96	5/4/1999	5/11/1999	45.1	45.1	10.6	476.7	B	W	d
ME96	5/11/1999	5/18/1999	0	0	-9	0	B	D	d
ME96	5/18/1999	5/25/1999	80.6	80.6	8.3	667.3	B	W	d
ME96	5/25/1999	6/1/1999	2.5	2.5	17.4	44.2	A	W	
ME96	6/1/1999	6/8/1999	6.9	6.9	18.5	127	B	W	d
ME96	6/8/1999	6/15/1999	2.5	2.5	-9	-9	C	W	fdz
ME96	6/15/1999	6/22/1999	0.1	-9	28.2	2.8	B	T	dmi
ME96	6/22/1999	6/29/1999	16.3	16.3	17.4	284	B	W	dm
ME96	6/29/1999	7/6/1999	9.9	9.9	15.8	156.9	B	W	hm
ME96	7/6/1999	7/13/1999	13.8	-9	-9	-9	C	W	uhdmz
ME96	7/13/1999	7/20/1999	11.4	11.4	19	217.1	A	W	
ME96	7/20/1999	7/27/1999	9.9	9.9	16.3	161.1	B	W	d
ME96	7/27/1999	8/3/1999	0	0	-9	0	A	D	
ME96	8/3/1999	8/10/1999	28.2	28.2	9.9	278.1	B	W	d
ME96	8/10/1999	8/17/1999	22.9	22.9	17.2	393.6	B	W	d
ME96	8/17/1999	8/24/1999	8.4	-9	9.4	78.9	B	W	dm
ME96	8/24/1999	8/31/1999	4.3	4.3	5.1	22	B	W	d
ME96	8/31/1999	9/7/1999	14.6	14.6	6	86.9	B	W	d
ME96	9/7/1999	9/14/1999	81.5	81.5	6.5	526.1	B	W	d
ME96	9/14/1999	9/21/1999	120.7	120.7	8.2	993.4	B	W	d
ME96	9/21/1999	9/28/1999	11.3	11.3	8.7	98	B	W	d
ME96	9/28/1999	10/5/1999	28.4	28.4	6.8	192.3	A	W	
ME96	10/5/1999	10/12/1999	6.6	6.6	8.7	57.4	A	W	
ME96	10/12/1999	10/19/1999	20.1	20.1	9.6	191.9	B	W	d
ME96	10/19/1999	10/26/1999	79	79	2	157.7	B	W	d
ME96	10/26/1999	11/2/1999	0	0	-9	0	A	T	
ME96	11/2/1999	11/9/1999	23.6	23.6	3.4	79.3	B	W	d
ME96	11/9/1999	11/16/1999	17.5	17.5	12	210.2	A	W	
ME96	11/16/1999	11/23/1999	7.6	7.6	6.7	50.9	B	W	hd
ME96	11/23/1999	11/30/1999	18.5	18.5	11.6	215.3	B	W	hd
ME96	11/30/1999	12/7/1999	16.3	16.3	4.8	77.8	B	W	dm
ME96	12/7/1999	12/14/1999	7.1	7.1	7.6	54.3	B	W	d
ME96	12/14/1999	12/21/1999	28.2	28.2	3.1	87.7	B	W	d
ME96	12/21/1999	12/28/1999	0	0	-9	0	A	D	
ME96	12/28/1999	1/4/2000	3.8	3.8	15.4	58.5	B	W	d
ME96	1/4/2000	1/11/2000	47.5	47.5	4.5	214.4	B	W	d
ME96	1/11/2000	1/18/2000	12.4	12.4	5.2	64	B	W	d
ME96	1/18/2000	1/25/2000	0	0	-9	0	A	D	

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B3. Freeport, Maine Weekly MDN Data (continued)

ME96	1/25/2000	2/1/2000	34.3	34.3	2.7	90.9	B	W	dh
ME96	2/1/2000	2/8/2000	0	0	-9	0	B	D	dh
ME96	2/8/2000	2/15/2000	40.1	40.1	4.9	196	B	W	d
ME96	2/15/2000	2/22/2000	9.5	9.5	4.9	46.9	B	W	d
ME96	2/22/2000	2/29/2000	9.7	9.7	3.6	34.4	B	W	d
ME96	2/29/2000	3/7/2000	8.3	8.3	7.5	62	B	W	d
ME96	3/7/2000	3/14/2000	41.7	41.7	7.3	302.4	B	W	dh
ME96	3/14/2000	3/21/2000	13.7	13.7	4.6	63.1	B	W	d
ME96	3/21/2000	3/28/2000	9.4	9.4	8.2	76.9	B	W	dm
ME96	3/28/2000	4/4/2000	67.4	67.4	8.3	560	B	W	m
ME96	4/4/2000	4/11/2000	24.8	24.8	3.7	91.3	B	W	d
ME96	4/11/2000	4/18/2000	3.2	3.2	8.7	27.5	B	W	dh
ME96	4/18/2000	4/25/2000	99.7	99.7	2.5	247.1	B	W	d
ME96	4/25/2000	5/2/2000	3.9	3.9	15.7	61.9	B	W	d
ME96	5/2/2000	5/9/2000	10.8	-9	21.4	229.6	B	W	m
ME96	5/9/2000	5/16/2000	32.8	32.8	10.2	334.9	B	W	d
ME96	5/16/2000	5/23/2000	8.4	8.4	14.3	119.6	A	W	
ME96	5/23/2000	5/30/2000	36.1	36.1	8	288	B	W	h
ME96	5/30/2000	6/6/2000	1	1	23	23.4	B	W	di
ME96	6/6/2000	6/13/2000	39	39	7.7	298.4	A	W	
ME96	6/13/2000	6/20/2000	17.2	17.2	7.5	129.9	B	W	d
ME96	6/20/2000	6/27/2000	16.8	16.8	7.7	129.4	B	W	d
ME96	6/27/2000	7/5/2000	37	37	14.5	538.6	A	W	
ME96	7/5/2000	7/11/2000	15.5	-9	10.9	168.9	B	W	hm
ME96	7/11/2000	7/18/2000	49.4	49.4	3.4	165.6	B	W	d
ME96	7/18/2000	7/25/2000	17.1	17.1	22	376.3	B	W	d
ME96	7/25/2000	8/1/2000	15.9	15.9	7.3	115.6	A	W	
ME96	8/1/2000	8/8/2000	8.9	8.9	5.9	52.8	B	W	d
ME96	8/8/2000	8/15/2000	37.5	37.5	9.3	347.4	B	W	dh
ME96	8/15/2000	8/22/2000	1.6	-9	19.7	31.6	B	W	dm
ME96	8/22/2000	8/29/2000	4.5	-9	6.2	27.7	B	W	m
ME96	8/29/2000	9/5/2000	13.7	13.7	4.6	62.5	B	W	dh
ME96	9/5/2000	9/12/2000	0	0	-9	0	A	D	
ME96	9/12/2000	9/19/2000	26.2	26.2	7.5	195	B	W	d
ME96	9/19/2000	9/26/2000	36.9	36.9	5.7	210.3	B	W	d
ME96	9/26/2000	10/3/2000	1	1	1.4	1.3	B	W	i
ME96	10/3/2000	10/10/2000	39.2	39.2	5.2	206	B	W	d
ME96	10/10/2000	10/17/2000	6.4	6.4	4.5	29.1	A	W	
ME96	10/17/2000	10/24/2000	30.6	30.6	4.1	126	B	W	d
ME96	10/24/2000	10/31/2000	24.8	24.8	1.2	28.8	A	W	
ME96	10/31/2000	11/7/2000	9.8	9.8	7.4	72.5	B	W	h
ME96	11/7/2000	11/14/2000	35.6	35.6	6.4	228.5	A	W	
ME96	11/14/2000	11/21/2000	37.5	37.5	3.1	115	B	W	d
ME96	11/21/2000	11/28/2000	42.7	42.7	1.8	75.7	B	W	h
ME96	11/28/2000	12/5/2000	0	0	-9	0	A	T	
ME96	12/5/2000	12/12/2000	6.3	6.3	6.7	42.3	B	W	h
ME96	12/12/2000	12/19/2000	91.2	91.2	9.3	847.6	B	W	d
ME96	12/19/2000	12/26/2000	11.9	11.9	3.8	45.2	B	W	d

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Site	Date On	Date Off	Subppt	Pptrec	HgConc	HgDep	QR	SampleType	Notes
ME96	12/26/2000	1/2/2001	16	16	3.1	49.4	B	W	d
ME96	1/2/2001	1/9/2001	6.1	6.1	4	24.4	A	W	
ME96	1/9/2001	1/16/2001	1.8	1.8	6.5	11.5	A	W	
ME96	1/16/2001	1/23/2001	5.3	5.3	7.5	40.2	A	W	
ME96	1/23/2001	1/30/2001	0	0	-9	0	B	D	h
ME96	1/30/2001	2/6/2001	31	31	4.5	138.1	B	W	d
ME96	2/6/2001	2/13/2001	7.4	7.4	4.4	32.7	B	W	d
ME96	2/13/2001	2/20/2001	5.8	5.8	4.1	23.8	B	W	d
ME96	2/20/2001	2/27/2001	24.6	24.6	4.2	104.1	B	W	d

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ME09	7/1/1997	7/8/1997	31.24	31.24	4.55	142.08	B			x
ME09	7/1/1997	7/8/1997	31.24	31.24	4.55	142.08	B			x
ME09	7/8/1997	7/15/1997	38.1	38.1	11.54	439.78	B			x
ME09	7/15/1997	7/22/1997	0.64	0.64	22.56	14.32	B			vh
ME09	7/22/1997	7/29/1997	2.03	2.03	18.6	37.8	B			h
ME09	7/29/1997	8/5/1997	1.52	1.52	29.87	45.52	A			
ME09	8/5/1997	8/12/1997	13.97	13.97	10.42	145.61	B			x
ME09	8/12/1997	8/19/1997	22.86	22.86	16.5	377.19	B			x
ME09	8/19/1997	8/26/1997	13.34	13.34	8.59	114.59	B			x
ME09	8/26/1997	9/2/1997	28.83	28.83	7.99	230.21	B			x
ME09	9/2/1997	9/9/1997	17.95	-9	4.54	81.53	B			hxp
ME09	9/9/1997	9/16/1997	6.99	6.99	13.71	95.8	B			x
ME09	9/16/1997	9/23/1997	20.83	20.83	7.23	150.57	B			x
ME09	9/23/1997	9/30/1997	23.75	23.75	3.7	87.79	A			
ME09	9/30/1997	10/7/1997	7.62	7.62	8.43	64.26	A			
ME09	10/7/1997	10/14/1997	0	0	-9	0	A			n
ME09	10/14/1997	10/21/1997	2.79	2.79	8.46	23.64	A			
ME09	10/21/1997	10/28/1997	20.89	20.89	2.48	51.87	A			
ME09	10/28/1997	11/4/1997	74.42	74.42	4.39	327.08	A			
ME09	11/4/1997	11/11/1997	30.23	30.23	5.01	151.56	A			
ME09	11/11/1997	11/18/1997	14.22	14.22	2.41	34.25	A			
ME09	11/18/1997	11/25/1997	5.84	5.84	-9	-9	C	F		hzf
ME09	11/25/1997	12/2/1997	35.56	35.56	4.49	159.75	B			h
ME09	12/2/1997	12/9/1997	10.92	10.92	1.1	12	A			
ME09	12/9/1997	12/16/1997	1.27	1.27	15.47	19.65	A			v
ME09	12/16/1997	12/23/1997	0	0	-9	0	A			n
ME09	12/23/1997	12/30/1997	32	32	2.14	68.43	A			p

Site	Date On	Date Off	Subppt	Pptrec	Hg Conc	Hg Dep	QR	Sample Type	Notes
ME09	12/30/1997	1/6/1998	16.5	-9	4.6	76.5	B	W	m
ME09	1/6/1998	1/13/1998	59.7	59.7	1.7	99	A	W	
ME09	1/13/1998	1/20/1998	17.5	17.5	2.1	37.4	A	W	
ME09	1/20/1998	1/27/1998	28.4	28.4	1.8	51.1	B	W	z
ME09	1/27/1998	2/3/1998	0	0	-9	0	A	T	
ME09	2/3/1998	2/10/1998	0	0	-9	0	A	D	v
ME09	2/10/1998	2/17/1998	14.5	14.5	4	58.4	A	W	
ME09	2/17/1998	2/24/1998	43.2	43.2	1.7	74.2	A	W	
ME09	2/24/1998	3/3/1998	36.6	36.6	2.1	75.2	B	W	d
ME09	3/3/1998	3/10/1998	36.3	36.3	3.7	135.7	A	W	
ME09	3/10/1998	3/17/1998	9.7	9.7	3.7	35.4	B	W	z
ME09	3/17/1998	3/24/1998	24.6	24.6	4.3	104.9	A	W	
ME09	3/24/1998	3/31/1998	9.7	9.7	16.6	160.3	B	W	h
ME09	3/31/1998	4/7/1998	38.1	38.1	-9	-9	C	W	fv
ME09	4/7/1998	4/14/1998	0	0	-9	0	A	D	
ME09	4/21/1998	4/28/1998	22.4	22.4	2.9	63.8	A	W	
ME09	4/28/1998	5/5/1998	20.8	20.8	4.5	93.4	B	W	d
ME09	5/5/1998	5/12/1998	31.5	31.5	6.5	203.4	A	W	
ME09	5/12/1998	5/19/1998	0	0	-9	0	A	T	
ME09	5/19/1998	5/26/1998	29.7	29.7	6.3	187.5	B	W	d
ME09	5/26/1998	6/2/1998	11.9	11.9	16.7	198.9	B	W	d
ME09	6/2/1998	6/9/1998	8.1	8.1	16.4	133.4	B	W	d
ME09	6/9/1998	6/16/1998	97.8	97.8	11.4	1115.2	B	W	h
ME09	6/16/1998	6/23/1998	47.5	47.5	11.5	547	B	W	d
ME09	6/23/1998	6/30/1998	60.5	60.5	8.5	512.8	B	W	d
ME09	6/30/1998	7/7/1998	33.3	33.3	9.7	322.3	B	W	d
ME09	7/7/1998	7/14/1998	31	31	3.9	121.5	B	W	dh
ME09	7/14/1998	7/21/1998	11.7	11.7	25.8	301.8	B	W	d
ME09	7/21/1998	7/28/1998	12.7	12.7	8.6	108.7	A	W	
ME09	7/28/1998	8/4/1998	10.2	10.2	7.9	80.2	B	W	d

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ME09	8/4/1998	8/11/1998	7.6	7.6	4.5	33.9	A	W	
ME09	8/11/1998	8/18/1998	46	46	2.9	132.9	B	W	d
ME09	8/18/1998	8/25/1998	3.8	3.8	8	30.5	A	W	
ME09	8/25/1998	9/1/1998	4.6	4.6	10.2	47.1	A	W	
ME09	9/1/1998	9/8/1998	24.6	24.6	7.4	182.3	A	W	
ME09	9/8/1998	9/15/1998	18.5	18.5	5.7	105.8	A	W	
ME09	9/15/1998	9/22/1998	0.5	-9	12.4	5.9	B	T	i
ME09	9/22/1998	9/29/1998	15.2	15.2	12	183.3	B	W	d
ME09	9/29/1998	10/6/1998	22.9	22.9	8.7	198.3	B	W	d
ME09	10/6/1998	10/13/1998	47.2	47.2	5.7	271	B	W	d
ME09	10/13/1998	10/20/1998	38.1	38.1	1.4	52.6	B	W	d
ME09	10/20/1998	10/27/1998	0.4	-9	17.9	7.9	B	T	i
ME09	10/27/1998	11/3/1998	28.9	28.9	1.6	45.3	A	W	
ME09	11/3/1998	11/10/1998	2	2	3.5	7.2	A	W	
ME09	11/10/1998	11/17/1998	30.4	30.4	4.9	148.9	B	W	d
ME09	11/17/1998	11/24/1998	4.8	4.8	7	34	A	W	
ME09	11/24/1998	12/1/1998	19.1	19.1	2.1	40.2	A	W	
ME09	12/1/1998	12/8/1998	9.7	9.7	7.8	75.2	B	W	h
ME09	12/8/1998	12/15/1998	1.3	1.3	7.6	9.6	B	W	i
ME09	12/15/1998	12/22/1998	21	21	3.2	67.9	A	W	
ME09	12/22/1998	12/29/1998	0	0	-9	0	A	T	
ME09	12/29/1998	1/5/1999	31.8	31.8	1	30.4	A	W	
ME09	1/5/1999	1/12/1999	18	18	-9	-9	C	W	uz
ME09	1/12/1999	1/19/1999	80.8	80.8	2.6	209.6	B	W	z
ME09	1/19/1999	1/26/1999	16	16	4.9	77.7	A	W	
ME09	1/26/1999	2/2/1999	0	0	-9	0	B	D	z
ME09	2/2/1999	2/9/1999	18.3	18.3	2.8	51.7	B	W	z
ME09	2/9/1999	2/16/1999	4.6	4.6	10.2	46.8	A	W	
ME09	2/16/1999	2/23/1999	8.4	8.4	9.2	76.9	B	W	hz
ME09	2/23/1999	3/2/1999	41.1	41.1	2.4	96.7	A	W	
ME09	3/2/1999	3/9/1999	39.1	39.1	3.8	148.7	B	W	hd
ME09	3/9/1999	3/16/1999	39.1	39.1	-9	-9	C	W	fzdm
ME09	3/16/1999	3/23/1999	36.8	36.8	2.5	93	B	W	d
ME09	3/23/1999	3/30/1999	5.3	5.3	6.5	34.8	A	W	
ME09	3/30/1999	4/6/1999	2.8	2.8	10.3	28.8	B	W	d
ME09	4/6/1999	4/13/1999	13.7	13.7	9.1	124.4	B	W	d
ME09	4/13/1999	4/20/1999	0	0	-9	0	B	T	d
ME09	4/20/1999	4/27/1999	1.3	1.3	15.8	20.9	A	W	
ME09	4/27/1999	5/4/1999	0	0	-9	0	B	D	d
ME09	5/4/1999	5/11/1999	23.1	23.1	4.6	105.7	B	W	hd
ME09	5/11/1999	5/18/1999	0	0	-9	0	A	T	
ME09	5/18/1999	5/25/1999	28	28	12.2	342.1	B	W	hd
ME09	5/25/1999	6/1/1999	20.3	20.3	10.6	214.8	B	W	hd
ME09	6/1/1999	6/8/1999	35.3	35.3	18.5	651.8	B	W	d
ME09	6/8/1999	6/15/1999	67.6	67.6	6.9	466.7	B	W	d
ME09	6/15/1999	6/22/1999	2	2	7.1	14.4	B	W	d
ME09	6/22/1999	6/29/1999	17	17	18.2	309.3	B	W	d
ME09	6/29/1999	7/6/1999	38.1	38.1	4.9	184.7	B	W	d
ME09	7/6/1999	7/13/1999	26.7	26.7	6.1	161.6	B	W	d
ME09	7/13/1999	7/20/1999	0	0	-9	0	A	T	
ME09	7/20/1999	7/27/1999	3.8	3.8	27.4	104.4	B	W	d
ME09	7/27/1999	8/3/1999	8.1	8.1	17	138.4	B	W	d
ME09	8/3/1999	8/10/1999	47	47	10.1	473.8	B	W	hd
ME09	8/10/1999	8/17/1999	22.4	22.4	5.5	123.8	B	W	d
ME09	8/17/1999	8/24/1999	7.4	7.4	10.1	74.4	B	W	d
ME09	8/24/1999	8/31/1999	1.8	1.8	3.2	5.7	B	W	d
ME09	8/31/1999	9/7/1999	0	0	-9	0	B	T	d
ME09	9/7/1999	9/14/1999	77.8	77.8	3.8	295.3	B	W	d
ME09	9/14/1999	9/21/1999	146.3	146.3	3.5	506.5	B	W	d
ME09	9/21/1999	9/28/1999	26	26	12.7	330.9	B	W	d
ME09	9/28/1999	10/5/1999	40.4	40.4	2.8	113.7	B	W	d

B4. Greenville, Maine Weekly MDN Data (Continued)

Revision of July 15, 2003

ME09	10/5/1999	10/12/1999	5.8	5.8	8.5	49.7	A	W	
ME09	10/12/1999	10/19/1999	40.9	40.9	2.5	100.3	B	W	hd
ME09	10/19/1999	10/26/1999	43.2	43.2	2	87.6	B	W	hd
ME09	10/26/1999	11/2/1999	5.1	5.1	6	30.6	A	W	
ME09	11/2/1999	11/9/1999	39.6	39.6	3.7	145.1	B	W	d
ME09	11/9/1999	11/16/1999	18.4	18.4	4.9	89.5	A	W	
ME09	11/16/1999	11/23/1999	10.1	10.1	7.7	77.8	B	W	d
ME09	11/23/1999	11/30/1999	37.3	37.3	3.8	141	B	W	hd
ME09	11/30/1999	12/7/1999	2.8	2.8	4.1	11.4	B	W	d
ME09	12/7/1999	12/14/1999	45.1	45.1	3	135.8	B	W	hd
ME09	12/14/1999	12/21/1999	21.6	21.6	3.1	65.9	B	W	d
ME09	12/21/1999	12/28/1999	0	0	-9	0	A	D	
ME09	12/28/1999	1/4/2000	6.6	6.6	-9	-9	C	W	fd
ME09	1/4/2000	1/11/2000	30.9	30.9	-9	-9	C	W	fd
ME09	1/11/2000	1/18/2000	14.6	14.6	-9	-9	C	W	fdv
ME09	1/18/2000	1/25/2000	-9	-9	-9	-9	C	W	fm
ME09	1/25/2000	2/1/2000	34.3	34.3	-9	-9	C	W	fdm
ME09	2/1/2000	2/8/2000	0	-9	-9	0	B	T	m
ME09	2/8/2000	2/15/2000	38.9	38.9	1.7	65.4	B	W	dh
ME09	2/15/2000	2/22/2000	5.1	5.1	2.7	13.6	B	W	d
ME09	2/22/2000	2/29/2000	19.8	19.8	2.8	55.5	B	W	dm
ME09	2/29/2000	3/7/2000	13.1	13.1	3.7	48.9	B	W	d
ME09	3/7/2000	3/14/2000	31.8	31.8	3.7	118.3	B	W	d
ME09	3/14/2000	3/21/2000	8.3	8.3	2.8	23.5	B	W	h
ME09	3/21/2000	3/28/2000	0.6	0.6	17.9	11.4	B	T	i
ME09	3/28/2000	4/4/2000	56.4	56.4	3	171.2	B	W	d
ME09	4/4/2000	4/11/2000	82.2	82.2	4.4	361.5	B	W	d
ME09	4/11/2000	4/18/2000	9	9	2.7	24.4	A	W	
ME09	4/18/2000	4/25/2000	78	78	2.1	166.8	B	W	d
ME09	4/25/2000	5/2/2000	2.4	2.4	14.5	35.1	B	W	dh
ME09	5/2/2000	5/9/2000	11.4	11.4	-9	-9	C	W	cm
ME09	5/9/2000	5/16/2000	57.2	57.2	8.6	491.7	B	W	d
ME09	5/16/2000	5/23/2000	13	13	7	90.9	B	W	d
ME09	5/23/2000	5/30/2000	6.7	6.7	15.3	103.2	B	W	d
ME09	5/30/2000	6/6/2000	4.1	4.1	9.4	38.1	B	W	d
ME09	6/6/2000	6/13/2000	24.5	24.5	9.6	234.4	B	W	dh
ME09	6/13/2000	6/20/2000	0.8	0.8	18.2	13.8	B	W	di
ME09	6/20/2000	6/27/2000	6.4	6.4	6.9	43.8	B	W	d
ME09	6/27/2000	7/4/2000	51.4	51.4	8.4	433.8	B	W	h
ME09	7/4/2000	7/11/2000	12.1	12.1	15.1	182.6	B	W	d
ME09	7/11/2000	7/18/2000	10.4	10.4	13.5	140.4	B	W	d
ME09	7/18/2000	7/25/2000	21.6	21.6	11.4	245.4	B	W	d
ME09	7/25/2000	8/1/2000	0	0	-9	0	A	D	
ME09	8/1/2000	8/8/2000	0.2	-9	48.2	7.2	B	T	i
ME09	8/8/2000	8/15/2000	7.7	7.7	7.4	56.7	B	W	d
ME09	8/15/2000	8/22/2000	19.9	-9	7.8	154.5	B	W	m
ME09	8/22/2000	8/29/2000	13.3	13.3	8.7	116.6	B	W	d
ME09	8/29/2000	9/5/2000	32.3	32.3	7	224.2	B	W	d
ME09	9/5/2000	9/12/2000	0	0	-9	0	B	T	d
ME09	9/12/2000	9/19/2000	14.6	14.6	5.8	84.9	B	W	hd
ME09	9/19/2000	9/26/2000	7.1	7.1	7.9	56.1	B	W	hd
ME09	9/26/2000	10/2/2000	2.8	2.8	2.4	6.6	B	W	d
ME09	10/3/2000	10/10/2000	38.5	38.5	-9	-9	C	W	ufd
ME09	10/10/2000	10/17/2000	2.1	-9	2.1	4.4	B	W	dm
ME09	10/17/2000	10/24/2000	13.8	13.8	1.9	26.3	B	W	d
ME09	10/24/2000	10/31/2000	29	29	2.5	72.5	B	W	d
ME09	10/31/2000	11/7/2000	5.1	5.1	0.7	3.8	B	W	d
ME09	11/7/2000	11/14/2000	1.7	1.7	6.1	10	B	W	di
ME09	11/14/2000	11/21/2000	38.4	38.4	1.3	49.2	B	W	hd
ME09	11/21/2000	11/28/2000	30.6	30.6	1.5	47.2	B	W	d

B4. Greenville, Maine Weekly MDN Data (Continued)

# Revision of July 15, 2003

ME09	11/28/2000	12/5/2000	0	0	-9	0	B	T	m
ME09	12/5/2000	12/12/2000	4.4	4.4	4.1	18.2	B	W	dm
ME09	12/12/2000	12/19/2000	84.2	84.2	7.1	597.6	B	W	d
ME09	12/19/2000	12/26/2000	18.8	18.8	1.2	22.7	B	W	d
Site ID: ME09 Date Range: to Report Date: 5/15/2002 2:06:05 PM									
Site	Date On	Date Off	Subppt	Pptrec	HgConc	HgDep	QR	Sample Type	Notes
ME09	12/26/2000	1/2/2001	19.3	19.3	2.1	41	A	W	
ME09	1/2/2001	1/9/2001	2.8	2.8	4.7	13.1	A	W	
ME09	1/9/2001	1/16/2001	3	3	4	12.1	B	W	zi
ME09	1/16/2001	1/23/2001	1.8	1.8	4.5	8	A	W	
ME09	1/23/2001	1/30/2001	0	0	-9	0	A	T	
ME09	1/30/2001	2/6/2001	47	47	2.7	125.8	B	W	dzh
ME09	2/6/2001	2/13/2001	8.3	8.3	7	57.8	B	W	zh
ME09	2/13/2001	2/20/2001	4.6	4.6	4.6	21.1	B	W	dz
ME09	2/20/2001	2/27/2001	10.7	10.7	25.6	272.9	B	W	d
ME09	2/27/2001	3/6/2001	0	0	-9	0	A	D	
ME09	3/6/2001	3/13/2001	2.8	-9	4	11.2	B	W	m
ME09	3/13/2001	3/20/2001	14.5	14.5	2.1	30.2	B	W	dz
ME09	3/20/2001	3/27/2001	23.7	23.7	1.7	39.5	B	W	d
ME09	3/27/2001	4/3/2001	22	22	8.4	184.8	B	W	d
ME09	4/3/2001	4/10/2001	0.5	0.5	-9	0	A	T	
ME09	4/10/2001	4/17/2001	6.1	6.1	9.1	55.2	B	W	d
ME09	4/17/2001	4/24/2001	0	0	-9	0	B	T	z
ME09	4/24/2001	5/1/2001	4.2	-9	11.5	48.3	B	W	dmp
ME09	5/1/2001	5/8/2001	2.7	2.7	13.3	35.6	B	W	dm
ME09	5/8/2001	5/15/2001	7.7	7.7	12.1	93.5	B	W	dmz
ME09	5/15/2001	5/22/2001	8.9	8.9	7.5	66.9	B	W	dm
ME09	5/22/2001	5/29/2001	19.1	19.1	4.2	80.8	B	W	dmh
ME09	5/29/2001	6/5/2001	38.1	38.1	8.5	324.6	B	W	dh
ME09	6/5/2001	6/12/2001	0.4	-9	27.3	10.1	B	T	i
ME09	6/12/2001	6/19/2001	25	25	3.8	94.1	B	W	dzh
ME09	6/19/2001	6/26/2001	25.3	25.3	2.1	51.9	B	W	dh
ME09	6/26/2001	7/3/2001	10.3	10.3	16.4	168.9	B	W	d
ME09	7/3/2001	7/10/2001	37.1	37.1	6.3	233.7	B	W	dh
ME09	7/10/2001	7/17/2001	19.3	19.3	8.6	166	B	W	d
ME09	7/17/2001	7/24/2001	3.9	3.9	11.6	45.2	B	W	d
ME09	7/24/2001	7/31/2001	1.3	1.3	18.2	23.7	B	W	d
ME09	8/7/2001	8/14/2001	0	0	0	0	B	T	d
ME09	8/14/2001	8/21/2001	9.4	9.4	9.8	92.1	B	W	d
ME09	8/21/2001	8/28/2001	21.6	21.6	6.7	144.7	B	W	dh
ME09	8/28/2001	9/4/2001	20.8	20.8	10.7	222.6	B	W	d
ME09	9/4/2001	9/11/2001	29	29	3.9	113.1	B	W	dz
ME09	9/18/2001	9/25/2001	33	33	6	198	B	W	d
ME09	9/25/2001	10/2/2001	19.6	19.6	7.2	141.1	B	W	dh
ME09	10/2/2001	10/9/2001	6.6	6.6	3.8	25.1	B	W	dh
ME09	10/9/2001	10/16/2001	2.8	2.8	3.1	8.7	B	W	d
ME09	10/16/2001	10/23/2001	21.1	21.1	7.2	151.9	B	W	d
ME09	10/23/2001	10/30/2001	15.7	15.7	10.5	164.8	B	W	d
ME09	10/30/2001	11/6/2001	2.8	2.8	2.5	7	B	W	dz
ME09	11/6/2001	11/13/2001	10.2	10.2	-9	-9	C	W	dzl
ME09	11/13/2001	11/20/2001	2.3	2.3	6.5	15	B	W	dh
ME09	11/20/2001	11/27/2001	12.2	12.2	2.9	35.4	B	W	dzh
ME09	11/27/2001	12/4/2001	19.6	19.6	3.9	76.4	B	W	dzh
ME09	12/4/2001	12/11/2001	5.5	5.5	10.4	57.2	B	W	dz
ME09	12/11/2001	12/18/2001	20.3	20.3	2.4	48.7	B	W	d
ME09	12/18/2001	12/24/2001	20.4	20.4	-9	-9	C	W	dv

SOURCE: MDN02e.xls, sheet; Greenville 97-01





B5. Acadia, Maine Weekly MDN Data

NADP/MDN Monitoring Location ME98	
Station	Acadia National Park-McFarland Hill (ME98)
Location	Hancock County, Maine
Dates of Operation	09/26/1995 - present
Latitude	44 22 26
Longitude	68 15 38
Elevation	129 meters
USGS 1:24000 Map Name	Southwest Harbor, 1983
Operating Agency	University of Maine/NPS
Funding Agency	University of Maine/NPS/ME Dept EPA

Site	Date On	Date Off	Subppt	Pptrec	HgConc	HgDep	QR	SP	SL	Inval
ME98	1/9/1996	1/16/1996	33.55	-9	0.9	30.2	B			pr
ME98	1/16/1996	1/23/1996	27.96	-9	2.66	74.39	B			pr
ME98	1/23/1996	1/30/1996	16.48	-9	-9	-9	C			zpr
ME98	1/30/1996	2/6/1996	1.86	-9	2.73	5.08	B			zpr
ME98	2/6/1996	2/13/1996	3.86	-9	12.33	47.6	B			pr
ME98	2/13/1996	2/20/1996	11.56	-9	3.64	42.09	B			pr
ME98	2/20/1996	2/27/1996	47.47	-9	4.03	191.3	B			pr
ME98	2/27/1996	3/5/1996	13.44	-9	4.9	65.88	B			pr
ME98	3/5/1996	3/12/1996	18.32	-9	1.85	33.9	B			pr
ME98	3/12/1996	3/19/1996	13.97	13.97	3.83	53.51	B			r
ME98	3/19/1996	3/26/1996	34.54	34.54	4.18	144.4	B			x
ME98	3/26/1996	4/2/1996	10.67	10.67	8.94	95.38	A			
ME98	4/2/1996	4/9/1996	13.97	13.97	3.97	55.46	A			
ME98	4/9/1996	4/16/1996	32.08	-9	-9	-9	C			z
ME98	4/30/1996	5/7/1996	24.13	24.13	9.53	229.97	A			
ME98	5/7/1996	5/14/1996	36.83	36.83	5.85	215.47	A			
ME98	5/14/1996	5/21/1996	42.16	42.16	9.45	398.47	B			x
ME98	5/21/1996	5/28/1996	3.05	3.05	29.22	89.07	A			
ME98	5/28/1996	6/4/1996	61.47	61.47	2.91	178.88	A			
ME98	6/4/1996	6/11/1996	38.1	38.1	13.34	508.28	A			
ME98	6/11/1996	6/18/1996	0	0	-9	0	A			n
ME98	6/18/1996	6/25/1996	37.59	37.59	7.74	290.98	A			
ME98	6/25/1996	7/2/1996	0	0	-9	0	B			xn
ME98	7/9/1996	7/16/1996	93.98	93.98	12.51	1175.75	A			
ME98	7/16/1996	7/23/1996	21.59	21.59	6.18	133.43	B			h
ME98	7/23/1996	7/30/1996	42.42	42.42	8.89	377.11	B			h
ME98	7/30/1996	8/6/1996	10.16	10.16	8.77	89.11	A			
ME98	8/6/1996	8/13/1996	0	0	-9	0	A			n
ME98	8/13/1996	8/20/1996	0	0	-9	-9	C			v
ME98	8/20/1996	8/27/1996	6.6	6.6	31.65	209.03	A			
ME98	8/27/1996	9/3/1996	44.45	44.45	6.49	288.49	A			
ME98	9/3/1996	9/10/1996	19.81	19.81	7.02	139.09	A			
ME98	9/10/1996	9/17/1996	106.93	106.93	3.97	424.55	A			
ME98	9/17/1996	9/24/1996	27.69	27.69	8.5	235.34	A			
ME98	9/24/1996	10/1/1996	20.07	20.07	4.72	94.72	A			
ME98	10/1/1996	10/8/1996	2.79	2.79	11.02	30.79	A			
ME98	10/8/1996	10/15/1996	26.42	26.42	6.53	172.51	B			x
ME98	10/15/1996	10/22/1996	40.13	40.13	2.5	100.34	A			
ME98	10/22/1996	10/29/1996	17.78	17.78	6.91	122.87	A			
ME98	10/29/1996	11/5/1996	3.81	3.81	5.52	21.03	A			
ME98	11/5/1996	11/12/1996	23.62	23.62	5.34	126.15	A			

B5. Acadia, Maine Weekly MDN Data (continued)

Site	Date On	Date Off	Subppt	Pptrec	HgConc	HgDep	QR	SP	SL	Inval
ME98	11/12/1996	11/19/1996	0	0	-9	0	A			n
ME98	11/19/1996	11/26/1996	27.18	27.18	4.73	128.56	A			
ME98	11/26/1996	12/3/1996	70.61	70.61	4.56	322.01	A			
ME98	12/3/1996	12/10/1996	0	0	-9	0	B			n
ME98	12/17/1996	12/24/1996	38.86	38.86	5.14	199.75	B			hz
ME98	12/17/1996	12/24/1996	31.75	31.75	4.3	136.53	A			
ME98	12/31/1996	1/7/1997	19.81	19.81	5.49	108.72	A			
ME98	1/7/1997	1/14/1997	25.78	25.78	3.26	84.06	A			
ME98	1/14/1997	1/21/1997	14.73	14.73	5.5	81.02	A			
ME98	1/21/1997	1/28/1997	69.6	69.6	3.51	244.3	A			
ME98	1/28/1997	2/4/1997	22.23	22.23	2.5	55.64	A			
ME98	2/4/1997	2/11/1997	38.1	38.1	1.98	75.44	A			
ME98	2/11/1997	2/18/1997	26.92	26.92	2.4	64.75	A			
ME98	2/18/1997	2/25/1997	3.56	3.56	-9	-9	C	Q	F	nf
ME98	2/25/1997	3/4/1997	16.26	16.26	6.95	112.92	A			
ME98	3/4/1997	3/11/1997	48.01	48.01	-9	-9	C		F	zf
ME98	3/11/1997	3/18/1997	26.92	26.92	2.8	75.34	A			
ME98	3/18/1997	3/25/1997	17.27	17.27	8.48	146.4	A			
ME98	3/26/1997	4/2/1997	72.14	72.14	3.49	252.07	B	U	F	zfu
ME98	4/2/1997	4/8/1997	2.03	2.03	22.29	45.3	A			
ME98	4/8/1997	4/15/1997	16.51	16.51	4.04	66.77	A			
ME98	4/15/1997	4/22/1997	47.12	47.12	8.75	412.23	A			
ME98	4/22/1997	4/29/1997	60.96	60.96	2.65	161.34	B			x
ME98	4/29/1997	5/6/1997	31.5	31.5	13.37	421.03	B			h
ME98	5/6/1997	5/13/1997	10.92	10.92	9.21	100.59	A			
ME98	5/13/1997	5/20/1997	50.29	50.29	4.4	221.24	A			
ME98	5/20/1997	5/27/1997	2.03	2.03	17.48	35.52	A			
ME98	5/27/1997	6/3/1997	1.27	1.27	18.93	24.04	A			
ME98	6/3/1997	6/10/1997	0	0	-9	0	A			n
ME98	6/10/1997	6/17/1997	10.67	10.67	27.16	289.79	A			
ME98	6/17/1997	6/24/1997	30.23	-9	16.74	506.05	A			p
ME98	6/24/1997	7/1/1997	11.43	11.43	10.87	124.21	B			x
ME98	7/1/1997	7/8/1997	35.56	35.56	25.37	902.29	A			
ME98	7/8/1997	7/15/1997	7.62	7.62	28.27	215.4	B			h
ME98	7/15/1997	7/22/1997	5.08	5.08	18.94	96.22	A			
ME98	7/22/1997	7/29/1997	0	0	-9	0	B			hn
ME98	7/29/1997	8/5/1997	1.52	1.52	24.11	36.75	A			
ME98	8/5/1997	8/12/1997	14.73	14.73	9.36	137.89	B			x
ME98	8/12/1997	8/19/1997	5.59	5.59	16.5	92.19	A			
ME98	8/19/1997	8/26/1997	55.25	55.25	6.53	360.76	B			h
ME98	8/26/1997	9/2/1997	6.48	6.48	13.81	89.48	B			h
ME98	9/2/1997	9/9/1997	17.53	17.53	6.64	116.44	A			
ME98	9/9/1997	9/16/1997	10.92	10.92	16.87	184.23	B			x
ME98	9/16/1997	9/23/1997	6.03	6.03	11.94	72.02	B			x
ME98	9/23/1997	9/30/1997	8.89	8.89	2.98	26.51	B			h
ME98	9/30/1997	10/7/1997	1.27	1.27	11.03	14.01	A			
ME98	10/7/1997	10/14/1997	0	0	-9	0	A			n
ME98	10/14/1997	10/21/1997	0	0	-9	0	A			n
ME98	10/21/1997	10/28/1997	41.28	41.28	4.34	179.3	A			
ME98	10/28/1997	11/4/1997	66.04	66.04	4.91	324.54	B			x
ME98	11/4/1997	11/12/1997	17.15	17.15	3.3	56.62	B			hx
ME98	11/12/1997	11/18/1997	23.62	23.62	-9	-9	C		F	f
ME98	11/18/1997	11/25/1997	24	24	2.7	64.76	B			h
ME98	11/25/1997	12/2/1997	28.19	28.19	5.58	157.25	A			
ME98	12/2/1997	12/9/1997	20.57	20.57	0.95	19.51	B			r
ME98	12/9/1997	12/16/1997	0.51	0.51	-9	-9	C		F	nf
ME98	12/16/1997	12/23/1997	0	0	-9	0	B			nx
ME98	12/23/1997	12/30/1997	81.15	81.15	2.34	190.12	B			hx

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B5. Acadia, Maine Weekly MDN Data (continued)

Site	Date On	Date Off	Subppt	Pptrec	Hg Conc	Hg Dep	QR	Sample Type	Notes
ME98	12/30/1997	1/6/1998	15.7	15.7	6.7	105.2	B	W	h
ME98	1/6/1998	1/13/1998	65.8	65.8	6.8	449.1	B	W	z
ME98	1/13/1998	1/20/1998	32.5	32.5	3.6	117.3	B	W	h
ME98	1/20/1998	1/27/1998	181.9	181.9	2	363.4	B	W	d
ME98	1/27/1998	2/3/1998	3.3	3.3	5.2	17.1	A	W	
ME98	2/3/1998	2/10/1998	0	0	-9	0	B	D	h
ME98	2/10/1998	2/17/1998	50.3	50.3	2.8	141	B	W	h
ME98	2/17/1998	2/24/1998	109.2	109.2	2.9	315.2	B	W	d
ME98	2/24/1998	3/3/1998	59.7	59.7	2.1	125.1	B	W	dh
ME98	3/3/1998	3/10/1998	106.7	106.7	5.3	568.8	B	W	d
ME98	3/10/1998	3/17/1998	28.7	28.7	2.4	70.3	A	W	
ME98	3/17/1998	3/24/1998	21.7	-9	2.5	53.2	B	W	m
ME98	3/24/1998	3/31/1998	0.8	0.8	33.7	25.6	A	W	
ME98	3/31/1998	4/7/1998	9.7	9.7	7.8	75.6	B	W	d
ME98	4/7/1998	4/14/1998	0	0	-9	0	A	D	
ME98	4/14/1998	4/21/1998	54.6	54.6	15	818.2	B	W	h
ME98	4/28/1998	5/5/1998	22.4	22.4	5.6	124.7	B	W	d
ME98	5/5/1998	5/12/1998	37.1	37.1	7.9	293.2	B	W	d
ME98	5/12/1998	5/19/1998	2	2	19.3	39.2	A	W	
ME98	5/19/1998	5/26/1998	17.8	17.8	10.2	181.4	B	W	dh
ME98	5/26/1998	6/2/1998	21.6	21.6	19	410.7	B	W	d
ME98	6/2/1998	6/9/1998	8.4	8.4	11.9	99.4	B	W	d
ME98	6/9/1998	6/16/1998	58.9	58.9	6.5	381.5	B	W	d
ME98	6/16/1998	6/23/1998	2.5	2.5	10.4	26.3	B	W	d
ME98	6/23/1998	6/30/1998	80.5	80.5	4.4	354.5	A	W	
ME98	6/30/1998	7/7/1998	11.9	11.9	22	262.7	A	W	
ME98	7/7/1998	7/14/1998	0.3	0.3	10	2.5	B	T	h
ME98	7/14/1998	7/21/1998	17.8	17.8	12.9	229	B	W	h
ME98	7/21/1998	7/28/1998	5.5	5.5	15.6	85.4	A	W	
ME98	7/28/1998	8/4/1998	6.6	6.6	11.5	76	A	W	
ME98	8/4/1998	8/11/1998	0	0	-9	0	A	T	
ME98	8/11/1998	8/18/1998	15.4	15.4	28.5	437.4	A	W	
ME98	8/18/1998	8/25/1998	33.7	33.7	11.2	377.8	B	W	h
ME98	8/25/1998	9/1/1998	27.9	27.9	9.6	267.3	A	W	
ME98	9/1/1998	9/8/1998	7.6	7.6	2.7	20.8	A	W	
ME98	9/8/1998	9/15/1998	0.3	-9	42.5	10.7	B	T	i
ME98	9/15/1998	9/22/1998	0	0	-9	0	A	T	
ME98	9/22/1998	9/29/1998	17.8	17.8	10.9	193.3	A	W	
ME98	9/29/1998	10/6/1998	16.5	16.5	8.5	141	A	W	
ME98	10/6/1998	10/13/1998	87.6	87.6	4.9	432.9	A	W	
ME98	10/13/1998	10/20/1998	67.8	67.8	3.2	214.8	B	W	h
ME98	10/20/1998	10/27/1998	0	0	-9	0	A	D	
ME98	10/27/1998	11/3/1998	28.1	28.1	4.3	120	B	W	h
ME98	11/3/1998	11/10/1998	0	0	-9	0	A	D	
ME98	11/10/1998	11/17/1998	41.7	41.7	10.5	439.8	B	W	mz
ME98	11/17/1998	11/24/1998	15.3	15.3	7.1	109.3	A	W	
ME98	11/24/1998	12/1/1998	15.9	-9	3.2	50.2	B	W	m
ME98	12/1/1998	12/8/1998	0.7	-9	19.4	13.1	B	T	hi
ME98	12/8/1998	12/15/1998	1.5	-9	2.9	4.4	B	W	m
ME98	12/15/1998	12/22/1998	33.6	-9	-9	-9	C	W	fm
ME98	12/22/1998	12/29/1998	0	0	-9	0	A	D	
ME98	12/29/1998	1/5/1999	37.6	37.6	1.8	68.1	B	W	hm
ME98	1/5/1999	1/12/1999	34	34	4.6	154.9	A	W	
ME98	1/12/1999	1/19/1999	67.8	67.8	3.6	243.1	B	W	h
ME98	1/19/1999	1/26/1999	16.8	16.8	4.2	69.8	B	W	h
ME98	1/26/1999	2/2/1999	0	0	-9	0	A	D	
ME98	2/2/1999	2/9/1999	80	80	2.7	218.2	A	W	
ME98	2/9/1999	2/16/1999	8.1	8.1	8	65.2	B	W	d
ME98	2/16/1999	2/23/1999	20.1	20.1	5.3	106.3	B	W	d

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ME98	2/23/1999	3/2/1999	54.1	54.1	4.4	236	B	W	dm
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B5. Acadia, Maine Weekly MDN Data (continued)

ME98	3/2/1999	3/9/1999	19.1	19.1	6.1	115.3	B	W	d
ME98	3/9/1999	3/16/1999	50.8	50.8	2.1	104.2	B	W	d
ME98	3/16/1999	3/23/1999	12.7	12.7	10.1	128.8	B	W	d
ME98	3/23/1999	3/30/1999	43.4	43.4	5.5	240.8	B	W	d
ME98	3/30/1999	4/6/1999	5.1	5.1	8	40.5	B	W	d
ME98	4/6/1999	4/13/1999	2.8	2.8	18.1	50.7	B	W	d
ME98	4/13/1999	4/20/1999	0	0	-9	0	B	D	d
ME98	4/20/1999	4/27/1999	2.8	2.8	14.5	40.7	B	W	d
ME98	4/27/1999	5/4/1999	0	0	-9	0	A	D	
ME98	5/4/1999	5/11/1999	23.4	23.4	15.5	363.3	B	W	d
ME98	5/11/1999	5/18/1999	0	0	-9	0	B	D	d
ME98	5/18/1999	5/25/1999	50.8	50.8	6.2	316.4	B	W	d
ME98	5/25/1999	6/1/1999	0	0	-9	0	B	T	d
ME98	6/1/1999	6/8/1999	9.9	9.9	27.3	270.1	B	W	d
ME98	6/8/1999	6/15/1999	11.9	11.9	26.4	315	B	W	d
ME98	6/15/1999	6/22/1999	0	0	-9	0	B	D	d
ME98	6/22/1999	6/29/1999	24.6	24.6	10.6	261.8	B	W	d
ME98	6/29/1999	7/6/1999	14	14	8	111.1	B	W	d
ME98	7/6/1999	7/13/1999	17.8	17.8	15.7	279.4	B	W	d
ME98	7/13/1999	7/20/1999	3.6	3.6	17	60.9	A	W	
ME98	7/20/1999	7/27/1999	1.5	1.5	20.2	30.8	A	W	
ME98	7/27/1999	8/3/1999	0	0	-9	0	A	D	
ME98	8/3/1999	8/10/1999	20.8	20.8	8.6	179.7	B	W	d
ME98	8/10/1999	8/17/1999	12.4	12.4	9.7	119.6	B	W	d
ME98	8/17/1999	8/24/1999	1.5	1.5	12	18.3	B	W	d
ME98	8/24/1999	8/31/1999	1	1	28.1	28.5	B	W	di
ME98	8/31/1999	9/7/1999	0	0	-9	0		T	n
ME98	9/7/1999	9/14/1999	26.3	26.3	4.3	113.8	B	W	d
ME98	9/14/1999	9/21/1999	102.9	102.9	12.5	1287.4	B	W	d
ME98	9/21/1999	9/28/1999	98.3	98.3	4.4	429.8	B	W	d
ME98	9/28/1999	10/5/1999	23.4	23.4	6.9	160.7	A	W	
ME98	10/5/1999	10/12/1999	15.2	15.2	-9	-9	C	W	f
ME98	10/12/1999	10/19/1999	52.6	52.6	3.8	198.1	A	W	
ME98	10/19/1999	10/26/1999	54.9	54.9	5.3	288.2	B	W	d
ME98	10/26/1999	11/2/1999	0	0	-9	0	A	T	
ME98	11/2/1999	11/9/1999	57.2	57.2	3.7	210.1	B	W	d
ME98	11/9/1999	11/16/1999	48.3	48.3	4.4	212	B	W	d
ME98	11/16/1999	11/23/1999	17.8	17.8	6.4	114.2	B	W	d
ME98	11/23/1999	11/30/1999	40	40	4.1	164.7	B	W	hd
ME98	11/30/1999	12/7/1999	44.8	44.8	5.7	253.1	B	W	d
ME98	12/7/1999	12/14/1999	47	47	2.7	127.2	A	W	
ME98	12/14/1999	12/21/1999	32.8	32.8	4.4	145	B	W	d
ME98	12/21/1999	12/28/1999	0	0	-9	0		D	hn

Site	Date On	Date Off	Subppt	Pptrec	Hg Conc	Hg Dep	QR	Sample Type	Notes
ME98	12/28/1999	1/4/2000	14.2	14.2	20.2	286.6	B	W	dh
ME98	1/4/2000	1/11/2000	70.2	70.2	3.5	247.7	B	W	d
ME98	1/11/2000	1/18/2000	16.3	16.3	0.3	4.2	B	W	d
ME98	1/18/2000	1/25/2000	9.2	9.2	5	46.1	A	W	
ME98	1/25/2000	2/1/2000	22.2	22.2	5.9	131.1	B	W	hx
ME98	2/1/2000	2/8/2000	0	0	-9	-9	C	T	fd
ME98	2/8/2000	2/15/2000	59.9	59.9	8.1	486.1	B	W	dh
ME98	2/15/2000	2/22/2000	10.2	10.2	-9	-9	C	W	fvd
ME98	2/22/2000	2/29/2000	1.3	1.3	-9	-9	C	W	vm
ME98	2/29/2000	3/7/2000	19.1	19.1	2.7	51	B	W	dm
ME98	3/8/2000	3/15/2000	38.4	38.4	7.4	283.6	B	W	dh
ME98	3/14/2000	3/21/2000	10.7	10.7	-9	-9	C	W	vd
ME98	3/21/2000	3/28/2000	20.3	20.3	9.6	194.3	B	W	d
ME98	3/28/2000	4/4/2000	33.3	33.3	13.8	457.9	B	W	d
ME98	4/4/2000	4/11/2000	11.8	11.8	11.5	136	B	W	dh

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ME98	4/11/2000	4/18/2000	8.8	8.8	7.3	64.4	B	W	d
<b>B5. Acadia, Maine Weekly MDN Data (continued)</b>									
ME98	4/18/2000	4/25/2000	177.7	177.7	5.1	913	A	W	
ME98	4/25/2000	5/2/2000	3.4	3.4	-9	-9	C	W	fvd
ME98	5/2/2000	5/9/2000	14.9	14.9	13.3	198	B	W	dh
ME98	5/9/2000	5/16/2000	49.4	49.4	7.6	376.7	A	W	
ME98	5/16/2000	5/23/2000	30.1	30.1	12.4	374.2	A	W	
ME98	5/23/2000	5/30/2000	31.6	31.6	6	189	B	W	h
ME98	5/31/2000	6/6/2000	0	0	-9	0	A	T	
ME98	6/6/2000	6/13/2000	24.8	24.8	7.4	183.1	B	W	h
ME98	6/13/2000	6/20/2000	11.3	11.3	35.8	404.2	B	W	dh
ME98	6/20/2000	6/27/2000	11.4	11.4	9.2	105.7	B	W	h
ME98	6/27/2000	7/3/2000	3.6	3.6	52.4	186.3	B	W	d
ME98	7/3/2000	7/11/2000	26	26	15.5	404.3	B	W	d
ME98	7/11/2000	7/18/2000	59.7	59.7	5.8	343.2	B	W	dh
ME98	7/18/2000	7/25/2000	3.9	3.9	23.8	92.1	B	W	d
ME98	7/25/2000	8/1/2000	5.1	5.1	7.2	36.4	A	W	
ME98	8/1/2000	8/8/2000	5.1	5.1	9.4	47.9	B	W	d
ME98	8/8/2000	8/15/2000	4.2	4.2	19.2	80.3	B	W	h
ME98	8/15/2000	8/22/2000	9	9	11.8	106.6	B	W	h
ME98	8/22/2000	8/29/2000	7	7	3.5	24.5	A	W	
ME98	8/29/2000	9/5/2000	15.3	15.3	7.7	118.3	B	W	m
ME98	9/5/2000	9/12/2000	0	0	-9	0	A	D	
ME98	9/12/2000	9/19/2000	34.2	34.2	6.5	221.3	B	W	h
ME98	9/19/2000	9/26/2000	20.8	20.8	9	186.6	B	W	m
ME98	9/26/2000	10/3/2000	0	0	-9	0	A	D	
ME98	10/3/2000	10/10/2000	61.8	61.8	4.7	290.6	B	W	d
ME98	10/10/2000	10/17/2000	0.3	0.3	-9	0	A	T	
ME98	10/17/2000	10/24/2000	21.7	21.7	4.6	100.6	A	W	
ME98	10/24/2000	10/31/2000	36.6	36.6	1.7	61	B	W	dh
ME98	10/31/2000	11/7/2000	31.3	31.3	2.9	90.2	B	W	h
ME98	11/7/2000	11/14/2000	1	1	6.8	6.9	B	W	hi
ME98	11/14/2000	11/21/2000	31.6	31.6	4.5	142	B	W	dh
ME98	11/21/2000	11/28/2000	62.7	62.7	1.7	104	B	W	d
ME98	11/28/2000	12/5/2000	2.7	2.7	9.3	24.7	A	W	
ME98	12/5/2000	12/12/2000	19.2	19.2	4.2	80.8	B	W	dh
ME98	12/12/2000	12/19/2000	64.7	64.7	6.8	440.1	B	W	h
ME98	12/19/2000	12/26/2000	27.7	27.7	9.8	271.7	B	W	dh
Site	Date On	Date Off	Subppt	Pptrec	Hg Conc	Hg Dep	QR	Sample Type	Notes
ME98	12/26/2000	1/2/2001	21.3	21.3	2.3	49.4	B	W	mh
ME98	1/2/2001	1/9/2001	9.7	9.7	-9	-9	C	W	hf
ME98	1/9/2001	1/16/2001	3.3	3.3	-9	-9	C	W	vf
ME98	1/16/2001	1/23/2001	6.1	6.1	-9	-9	C	W	hvf
ME98	1/23/2001	1/30/2001	1.3	1.3	-9	-9	C	W	hvf
ME98	1/30/2001	2/7/2001	27.2	27.2	3.7	99.9	B	W	dh
ME98	2/7/2001	2/13/2001	8.9	8.9	-9	-9	C	W	f
ME98	2/13/2001	2/20/2001	24.1	24.1	3.5	83.8	A	W	
ME98	2/20/2001	2/27/2001	14.2	14.2	15.7	223.3	B	W	dh
ME98	2/27/2001	3/7/2001	3	3	-9	-9	C	W	v
ME98	3/7/2001	3/13/2001	10.9	10.9	3.5	37.7	B	W	d
ME98	3/13/2001	3/20/2001	12.7	12.7	5.3	67.1	B	W	dz
ME98	3/20/2001	3/27/2001	36.3	36.3	4.1	149.8	B	W	dzh
ME98	3/27/2001	4/3/2001	23.4	23.4	-9	-9	C	W	hf
ME98	4/3/2001	4/10/2001	3.2	3.2	9.7	30.8	A	W	
ME98	4/10/2001	4/17/2001	25.4	25.4	6.7	171	B	W	dh
ME98	4/17/2001	4/24/2001	16	16	3.8	61.1	B	W	d
ME98	4/24/2001	5/1/2001	0.5	-9	32.8	15.4	B	T	i
ME98	5/1/2001	5/8/2001	3.4	3.4	13.3	45.7	A	W	
ME98	5/8/2001	5/15/2001	2.8	2.8	16.1	45	A	W	

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ME98	5/15/2001	5/22/2001	20.8	20.8	7.6	158.3	A	W	
<b>B5. Acadia, Maine Weekly MDN Data (continued)</b>									
ME98	5/22/2001	5/29/2001	18.8	18.8	6.5	122.7	B	W	dh
ME98	5/29/2001	6/5/2001	47.8	47.8	11.1	529.3	B	W	h
ME98	6/5/2001	6/12/2001	10.7	10.7	22.3	237.4	B	W	d
ME98	6/12/2001	6/19/2001	27.9	27.9	8.9	248.1	B	W	dh
ME98	6/19/2001	6/26/2001	10.9	10.9	7.6	83.2	B	W	d
"ME98"	"06/19/2001"	"06/26/2001"	10.9	10.9	7.6	83.2	"B"	"W"	"d"
"ME98"	"06/26/2001"	"07/03/2001"	2.8	2.8	102.4	286.7	"B"	"W"	"dmi"
"ME98"	"07/03/2001"	"07/10/2001"	7.6	7.6	11.7	88.9	"B"	"W"	"h"
"ME98"	"07/10/2001"	"07/17/2001"	2.5	2.5	14.8	37	"B"	"W"	"d"
"ME98"	"07/17/2001"	"07/24/2001"	1.8	1.8	11.2	20.2	"B"	"W"	"d"
"ME98"	"07/24/2001"	"07/31/2001"	5	5	11.5	57.5	"B"	"W"	"dh"
"ME98"	"07/31/2001"	"08/07/2001"	0	0	0	0	"A"	"T"	"
"ME98"	"08/07/2001"	"08/14/2001"	14.2	14.2	14.5	205.9	"B"	"W"	"dh"
"ME98"	"08/14/2001"	"08/21/2001"	3.8	3.8	16.5	62.7	"B"	"W"	"d"
"ME98"	"08/21/2001"	"08/28/2001"	0	0	0	0	"B"	"T"	"d"
"ME98"	"08/28/2001"	"09/04/2001"	11.7	11.7	10.5	122.8	"B"	"W"	"dh"
"ME98"	"09/04/2001"	"09/11/2001"	2	2	14	28	"B"	"W"	"d"
"ME98"	"09/18/2001"	"09/25/2001"	12.2	12.2	12.2	148.8	"B"	"W"	"dh"
"ME98"	"09/25/2001"	"10/02/2001"	34	34	8.7	295.8	"B"	"W"	"d"
"ME98"	"10/02/2001"	"10/09/2001"	2.5	2.5	7.2	18	"B"	"W"	"d"
"ME98"	"10/09/2001"	"10/16/2001"	4.4	4.4	4.9	21.6	"B"	"W"	"dh"
"ME98"	"10/16/2001"	"10/23/2001"	31.6	31.6	4.5	142.2	"B"	"W"	"dh"
"ME98"	"10/23/2001"	"10/30/2001"	5.3	5.3	10.7	56.7	"B"	"W"	"dh"
"ME98"	"10/30/2001"	"11/06/2001"	23.6	23.6	2.2	51.9	"B"	"W"	"d"
"ME98"	"11/06/2001"	"11/13/2001"	6.6	6.6	11.9	78.5	"B"	"W"	"dh"
"ME98"	"11/13/2001"	"11/20/2001"	0	0	0	0	"A"	"T"	"
"ME98"	"11/20/2001"	"11/27/2001"	12.7	12.7	6.4	81.3	"B"	"W"	"dzh"
"ME98"	"11/27/2001"	"12/04/2001"	15.2	15.2	5.3	80.6	"B"	"W"	"d"
"ME98"	"12/04/2001"	"12/11/2001"	4.2	4.2	2.7	11.3	"B"	"W"	"dh"
"ME98"	"12/11/2001"	"12/18/2001"	24.3	24.3	2.9	70.5	"B"	"W"	"d"
"ME98"	"12/18/2001"	"12/26/2001"	46	46	5	230	"B"	"W"	"d"

SOURCE: MDN02e.xls, sheet; Acadia 97-01

B6. New Castle, New Hampshire Weekly MDN Data

NADP/MDN Monitoring Location NH05	
Station	New Castle (NH05)
Location	Rockingham County, New Hampshire
Dates of Operation	10/07/1997 - 12/31/1999
Latitude	43 10 00
Longitude	70 52 00
Elevation	meters
USGS 1:24000 Map Name	
Operating Agency	University of New Hampshire
Funding Agency	University of New Hampshire
MDN Weekly Data NATIONAL ATMOSPHERIC DEPOSITION PROGRAM/MDN	
Site ID: NH05 Date Range: 01/01/1997 to 01/01/1998 Report Date: 08/10/2000 8:03:23 AM	

Site	Date On	Date Off	Subppt	Pptrec	Hg Conc	Hg Dep	QR	SP	SL	Inval
NH05	10/7/1997	10/14/1997	0	0	-9	0	B			nr
NH05	10/14/1997	10/21/1997	0	-9	-9	0	B			npr
NH05	10/21/1997	10/28/1997	13.02	-9	9.27	120.7	B	U		pru
NH05	10/28/1997	11/4/1997	44.7	44.7	4.99	222.98	A			
NH05	11/4/1997	11/13/1997	26.67	26.67	-9	-9	B	Q		ve
NH05	11/13/1997	11/18/1997	20.57	20.57	5.13	105.51	B			szr
NH05	11/18/1997	11/25/1997	24.89	24.89	-9	-9	C		F	vf
NH05	11/25/1997	12/2/1997	19.3	19.3	5.05	97.51	B			h
NH05	12/2/1997	12/9/1997	0	0	-9	0	A			n
NH05	12/9/1997	12/16/1997	0	0	-9	0	A			n
NH05	12/16/1997	12/26/1997	17.78	17.78	-9	-9	C	U	F	ezfu
NH05	12/26/1997	12/30/1997	31.75	31.75	2.05	65	B			s

Site ID: NH05 Date Range: to Report Date: 08/10/2000 8:04:10 AM										
Site	Date On	Date Off	Subppt	Pptrec	Hg Conc	Hg Dep	QR	Sample Type	Notes	
NH05	12/30/1997	1/6/1998	2	2	47.6	96.7	A	W		
NH05	1/6/1998	1/13/1998	24.1	24.1	4.9	118.2	B	W	z	
NH05	1/13/1998	1/20/1998	7.1	7.1	7.3	52.3	B	W	hz	
NH05	1/20/1998	1/27/1998	38.1	38.1	1.7	63.3	B	W	z	
NH05	1/27/1998	2/3/1998	0	0	-9	0	B	D	z	
NH05	2/3/1998	2/10/1998	1.3	1.3	-9	-9	C	W	vz	
NH05	2/10/1998	2/17/1998	10.2	10.2	5.6	57.1	B	W	h	
NH05	2/17/1998	2/24/1998	84.2	-9	3.1	261.5	B	W	m	
NH05	2/24/1998	3/3/1998	45.2	45.2	3.3	148.5	A	W		
NH05	3/3/1998	3/10/1998	53.3	53.3	5.4	289	A	W		
NH05	3/10/1998	3/17/1998	12.2	12.2	16.9	206.3	A	W		
NH05	3/17/1998	3/24/1998	38.9	38.9	3.4	133	A	W		
NH05	3/24/1998	3/31/1998	0	0	-9	0	A	D		
NH05	3/31/1998	4/7/1998	12.2	12.2	9.2	111.7	A	W		
NH05	4/7/1998	4/14/1998	0	0	-9	0	A	D		
NH05	4/7/1998	4/21/1998	30.5	30.5	18.3	556.4	A	W		
NH05	4/21/1998	4/28/1998	38.1	38.1	4.3	164.6	A	W		
NH05	5/5/1998	5/12/1998	62.2	62.2	8.5	529.5	A	W		
NH05	5/12/1998	5/19/1998	0	0	-9	0	A	D		
NH05	5/19/1998	5/26/1998	0	0	-9	0	A	T		
NH05	5/26/1998	6/2/1998	37.8	37.8	9	338.8	B	W	d	



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B6. New Castle, New Hampshire Weekly MDN Data (continued)

NH05	6/2/1998	6/9/1998	6.2	6.2	13.7	85.4	A	W	
NH05	6/9/1998	6/16/1998	129.8	-9	9	1169.9	B	W	dm
NH05	6/16/1998	6/23/1998	4.4	4.4	17	74.5	A	W	
NH05	6/23/1998	6/30/1998	25.4	25.4	-9	-9	C	W	uz
NH05	7/7/1998	7/16/1998	0	0	-9	0	B	T	e
NH05	7/16/1998	7/21/1998	12.6	12.6	15.4	193.7	B	W	s
NH05	7/21/1998	7/28/1998	8.3	8.3	26.8	221.3	B	W	m
NH05	7/28/1998	8/4/1998	1.7	1.7	14	23.1	B	W	h
NH05	8/4/1998	8/11/1998	5.6	5.6	14.5	81.3	A	W	
NH05	8/11/1998	8/18/1998	37.1	37.1	9.1	335.6	A	W	
NH05	8/18/1998	8/25/1998	4.1	4.1	37.2	151.1	A	W	
NH05	8/25/1998	9/1/1998	1.8	1.8	10.6	18.9	A	W	
NH05	9/1/1998	9/8/1998	11.2	11.2	15.5	173.2	A	W	
NH05	9/8/1998	9/15/1998	7.6	7.6	7	53.7	A	W	
NH05	9/15/1998	9/22/1998	5.6	5.6	25.9	144.6	A	W	
NH05	9/22/1998	9/29/1998	-24.6	24.6	12.8	316.5	B	W	h
NH05	9/29/1998	10/6/1998	0.3	-9	19.8	5.5	A	T	I
NH05	10/6/1998	10/13/1998	125.5	-9	3.6	454.6	B	W	dm
NH05	10/13/1998	10/22/1998	13.7	13.7	9.4	129	B	W	edh
NH05	10/22/1998	10/27/1998	0	0	-9	0	B	D	s
NH05	10/27/1998	11/3/1998	4.4	4.4	12.1	53.7	B	W	m
NH05	11/3/1998	11/10/1998	0	0	-9	0	A	D	
NH05	11/10/1998	11/17/1998	19	19	7.5	142.2	A	W	
NH05	11/17/1998	11/24/1998	7.5	-9	13.6	102.6	B	W	m
NH05	11/24/1998	12/1/1998	2.6	-9	6.6	17	B	W	m
NH05	12/1/1998	12/8/1998	0	0	-9	0	A	T	
NH05	12/8/1998	12/15/1998	7	7	3.6	25.3	B	W	m
NH05	12/15/1998	12/22/1998	11.8	11.8	9.9	117	A	W	
NH05	12/22/1998	12/29/1998	0	0	-9	0	A	D	
NH05	12/29/1998	1/5/1999	62.1	-9	2.1	127.9	B	W	m
NH05	1/5/1999	1/12/1999	15.2	15.2	4.5	68.5	A	W	
NH05	1/12/1999	1/19/1999	63.5	63.5	4.2	265.3	A	W	
NH05	1/19/1999	1/26/1999	13.3	-9	6.7	89.9	B	W	m
NH05	1/26/1999	2/3/1999	34.3	34.3	3.9	132.7	A	W	
NH05	2/3/1999	2/9/1999	3.8	3.8	4.7	17.7	A	W	
NH05	2/9/1999	2/16/1999	2	-9	14.1	28.2	B	W	m
NH05	2/16/1999	2/23/1999	13.5	13.5	5.7	76.1	B	W	d
NH05	2/23/1999	3/2/1999	41.1	41.1	4.7	194	A	W	
NH05	3/2/1999	3/9/1999	30.2	30.2	-9	-9	C	W	fd
NH05	3/9/1999	3/16/1999	19.1	19.1	3.7	71.1	B	W	d
NH05	3/16/1999	3/23/1999	32	32	-9	-9	C	W	vfdz
NH05	3/23/1999	3/30/1999	29.2	29.2	5	144.6	B	W	dz
NH05	3/30/1999	4/6/1999	0.5	-9	27.3	12.5	B	T	im
NH05	4/6/1999	4/13/1999	0	0	-9	0	B	T	d
NH05	4/13/1999	4/20/1999	10.2	10.2	14	142.4	B	W	d
NH05	4/20/1999	4/27/1999	0.4	-9	45.7	16.9	B	T	idm
NH05	4/27/1999	5/4/1999	2.8	-9	15.6	43.1	B	W	dm
NH05	5/4/1999	5/11/1999	24.1	24.1	8.9	215.2	B	W	hd
NH05	5/11/1999	5/18/1999	0	0	-9	0	A	D	
NH05	5/18/1999	5/25/1999	61.5	61.5	6.5	397.8	B	W	d
NH05	5/25/1999	6/1/1999	0.3	-9	16.3	5.4	B	T	id
NH05	6/1/1999	6/8/1999	0	0	-9	0	B	T	dz
NH05	6/8/1999	6/15/1999	0	0	-9	0	B	T	dz
NH05	6/15/1999	6/22/1999	0	0	-9	0	B	T	d
NH05	6/22/1999	6/29/1999	18.4	18.4	13.5	248.1	B	W	hd
NH05	6/29/1999	7/6/1999	12.5	12.5	9.5	118.8	B	W	d
NH05	7/6/1999	7/13/1999	9.4	9.4	-9	-9	C	W	umz
NH05	8/5/1999	8/10/1999	6.4	6.4	12.9	82.1	B	W	sd
NH05	8/10/1999	8/17/1999	7.6	7.6	6.5	49.6	B	W	hd
NH05	8/17/1999	8/24/1999	8.4	8.4	18.9	158.5	B	W	d
NH05	8/24/1999	8/30/1999	3.6	3.6	18.9	67.2	B	W	d

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B6. New Castle, New Hampshire Weekly MDN Data (continued)

NH05	8/30/1999	9/14/1999	84.3	-9	2.9	241	B	W	edm
NH05	9/14/1999	9/21/1999	75.8	-9	6.2	472.3	B	W	dmz
NH05	10/5/1999	10/12/1999	6.8	-9	10.8	73.8	B	W	m
NH05	10/12/1999	10/19/1999	26.4	-9	9	236.2	B	W	dm
NH05	10/19/1999	10/26/1999	36.5	-9	3.3	119.2	B	W	dm
NH05	10/27/1999	11/3/1999	5.6	5.6	2.8	15.5	B	W	d
NH05	11/3/1999	11/9/1999	0	0	-9	0	A	D	
NH05	11/9/1999	11/16/1999	14.8	-9	5.6	82.5	B	W	m
NH05	11/16/1999	11/23/1999	4.5	-9	9.2	41	B	W	hdm
NH05	11/25/1999	12/2/1999	14.8	-9	7.3	107.9	B	W	dmz
NH05	12/17/1999	12/22/1999	10.2	10.2	7.2	73.5	B	W	s
NH05	12/22/1999	12/28/1999	0	0	-9	0	B	D	mz

Site ID: NH05 Date Range: to Report Date: 5/15/2002 2:27:40 PM									
Site	Date On	Date Off	Subppt	Pptrec	HgConc	HgDep	QR	SampleType	Notes
NH05	3/27/2001	4/3/2001	32.4	-9	2.5	80.1	B	W	m
NH05	4/3/2001	4/10/2001	7.6	-9	-9	-9	C	W	mf
NH05	4/10/2001	4/17/2001	8.5	-9	7.3	61.7	B	W	dmp
NH05	4/17/2001	4/24/2001	1.8	-9	10.8	19.7	B	W	dm
NH05	4/24/2001	5/1/2001	0	0	-9	0	B	D	dm
NH05	5/1/2001	5/8/2001	0.8	-9	20.1	15.1	B	T	dmhi
NH05	5/8/2001	5/15/2001	1.9	-9	37	71.3	B	W	mh
NH05	5/15/2001	5/22/2001	1.1	-9	9.3	10.2	B	W	m
NH05	5/22/2001	5/29/2001	30	-9	9.2	275.1	B	W	dm
NH05	5/29/2001	6/5/2001	27.5	-9	9.1	249.8	B	W	dm
NH05	6/5/2001	6/12/2001	17.8	-9	18.7	332.1	B	W	dmh
NH05	6/12/2001	6/19/2001	44.1	-9	5.2	229.2	B	W	d
NH05	6/19/2001	6/26/2001	26	-9	19	493.6	B	W	dmp
NH05	6/26/2001	7/3/2001	18.6	-9	22.5	418.5	B	W	dmh
NH05	7/3/2001	7/10/2001	26.5	-9	13.3	352.5	B	W	dmz
NH05	7/10/2001	7/17/2001	18.1	-9	10.5	190.1	B	W	dmz
NH05	7/17/2001	7/24/2001	8.3	-9	5.6	46.5	B	W	dmzh
NH05	7/24/2001	8/7/2001	16.1	-9	12	193.2	B	W	edmzh
NH05	8/7/2001	8/14/2001	12.7	12.7	7.8	99.1	B	W	dzh
NH05	8/14/2001	8/21/2001	6.9	6.9	6.5	44.8	B	W	dh
NH05	8/21/2001	8/28/2001	0.1	0	39.4	3.9	B	T	i
NH05	8/28/2001	9/4/2001	21.6	21.6	6.2	133.9	B	W	d
NH05	9/4/2001	9/11/2001	0.2	0.5	33.8	6.8	B	T	i
NH05	9/11/2001	9/18/2001	6.6	6.6	9.5	62.7	B	W	d
NH05	9/18/2001	9/25/2001	19	19.1	7.9	150.1	B	W	d
NH05	9/25/2001	10/2/2001	31.5	31.5	6.5	204.8	B	W	dh
NH05	10/2/2001	10/9/2001	0.8	0.8	10.4	8.3	B	W	i
NH05	10/9/2001	10/16/2001	8.4	8.4	6.5	54.6	B	W	d
NH05	10/16/2001	10/23/2001	29.7	29.7	4.3	127.7	B	W	d
NH05	10/23/2001	10/30/2001	0	0	0	0	A	T	
NH05	10/30/2001	11/6/2001	19.6	19.6	8.5	166.6	B	W	d
NH05	11/6/2001	11/13/2001	1.3	1.3	18	23.4	B	W	d
NH05	11/13/2001	11/20/2001	1.5	1.5	9.2	13.8	B	W	di
NH05	11/20/2001	11/27/2001	10.9	10.9	6.2	67.6	B	W	d
NH05	11/27/2001	12/4/2001	8	8	6.5	52	B	W	d
NH05	12/4/2001	12/11/2001	11.6	11.6	2.4	27.8	B	W	dzh
NH05	12/11/2001	12/18/2001	47.2	47.2	4.4	207.7	B	W	dz
NH05	12/18/2001	12/25/2001	22.7	22.7	2.7	61.3	B	W	dz

SOURCE: MDN02e.xls, sheet; NH New Castle



B7. Laconia, New Hampshire Weekly MDN Data

New Hampshire MDN	
NADP/MDN Monitoring Location NH00	
Station	Laconia (NH00)
Location	Belknap County, New Hampshire
Dates of Operation	01/01/1998 - present
Latitude	43 30 00
Longitude	71 30 00
Elevation	meters
USGS 1:24000 Map Name	
Operating Agency	New Hampshire Department of Environmental Safety - Air Resources
Funding Agency	USEPA/ORD-NE States for Coordinated Air Use Management (NESCAUM)

MDN Weekly Data NATIONAL ATMOSPHERIC DEPOSITION PROGRAM/MDN									
Site ID: NH00 Date Range: to Report Date: 08/10/2000									
8:01:06 AM									
Site	Date On	Date Off	Subppt	Pptrec	Hg Conc	Hg Dep	QR	Sample Type	Notes
NH00	4/28/1998	5/5/1998	6	-9	14.3	85.8	B	W	dm
NH00	5/5/1998	5/12/1998	33.4	-9	7.1	237	B	W	dm
NH00	5/12/1998	5/19/1998	2.8	2.8	9.9	27.8	B	W	d
NH00	5/19/1998	5/26/1998	1	1	34.3	34.9	B	W	di
NH00	5/26/1998	6/2/1998	24.6	24.6	-9	-9	C	W	f
NH00	6/2/1998	6/9/1998	19.7	19.7	9.3	182.9	B	W	d
NH00	6/9/1998	6/16/1998	155.7	155.7	5.3	818	B	W	d
NH00	6/16/1998	6/23/1998	10.7	10.7	12.9	138.1	A	W	
NH00	6/23/1998	6/30/1998	40.6	40.6	5.9	240.9	A	W	
NH00	6/30/1998	7/7/1998	67.8	67.8	6.6	449.2	B	W	d
NH00	7/7/1998	7/14/1998	0.3	-9	23.1	6	B	T	i
NH00	7/14/1998	7/21/1998	8.1	8.1	17.3	140.2	B	W	d
NH00	7/21/1998	7/28/1998	34.9	34.9	8.6	299.3	A	W	
NH00	7/28/1998	8/4/1998	8.9	8.9	5.4	47.8	A	W	
NH00	8/4/1998	8/11/1998	22.1	22.1	3.7	81.4	A	W	
NH00	8/11/1998	8/18/1998	26.9	26.9	5.5	147.8	A	W	
NH00	8/18/1998	8/25/1998	33.3	33.3	14.5	482.9	A	W	
NH00	8/25/1998	9/1/1998	16.6	16.6	18	299.1	A	W	
NH00	9/1/1998	9/8/1998	15.2	15.2	15.3	233.7	A	W	
NH00	9/8/1998	9/15/1998	2.9	2.9	4.5	13.2	B	W	m
NH00	9/15/1998	9/22/1998	22.5	22.5	8.4	189.8	A	W	
NH00	9/22/1998	9/29/1998	17.1	17.1	15.7	268.7	A	W	
NH00	9/29/1998	10/6/1998	7.9	7.9	12.8	100.6	A	W	
NH00	10/9/1998	10/13/1998	44.8	44.8	1.3	56.9	B	W	sh
NH00	10/13/1998	10/20/1998	24.1	24.1	6.3	151.7	A	W	
NH00	10/20/1998	10/27/1998	0	0	-9	0	A	D	
NH00	10/27/1998	11/3/1998	3.7	3.7	5.6	20.7	A	W	
NH00	11/3/1998	11/10/1998	0	0	-9	0	A	D	
NH00	11/10/1998	11/17/1998	31.2	31.2	9.5	295.9	A	W	
NH00	11/17/1998	11/24/1998	8.1	-9	11.6	93.7	B	W	m
NH00	11/24/1998	12/1/1998	34.3	34.3	-9	-9	C	W	vfm

Revision of July 15, 2003

NH00	12/1/1998	12/8/1998	0	0	-9	0	B	D	z
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B7. Laconia, New Hampshire Weekly MDN Data (continued)

NH00	12/8/1998	12/15/1998	3.8	3.8	-9	-9	C	W	v
NH00	12/15/1998	12/22/1998	18.2	18.2	12.4	224.4	A	W	
NH00	12/22/1998	12/29/1998	0	0	-9	0	A	D	
NH00	12/29/1998	1/5/1999	24.4	24.4	1.8	44.6	A	W	
NH00	1/5/1999	1/12/1999	19.8	19.8	2.3	46.2	B	W	h
NH00	1/12/1999	1/19/1999	37.3	-9	4	149.1	B	W	m
NH00	1/19/1999	1/26/1999	22.7	22.7	3.3	75	A	W	
NH00	1/26/1999	2/2/1999	3.3	3.3	2.3	7.5	A	W	
NH00	2/2/1999	2/9/1999	40.9	40.9	3.9	160	A	W	
NH00	2/9/1999	2/17/1999	3.2	3.2	14.5	46.2	B	W	hd
NH00	2/17/1999	2/23/1999	12.2	12.2	4.4	53.3	A	W	
NH00	2/23/1999	3/2/1999	30.8	30.8	3.9	119.5	B	W	d
NH00	3/2/1999	3/9/1999	20.8	20.8	6.7	138.9	B	W	d
NH00	3/9/1999	3/16/1999	5.6	5.6	-9	-9	C	W	vd
NH00	3/16/1999	3/23/1999	28.7	28.7	4.6	131.5	B	W	hdz
NH00	3/23/1999	3/30/1999	18	18	4.9	88.5	B	W	hd
NH00	3/30/1999	4/6/1999	0.2	-9	86	14.2	B	T	idm
NH00	4/6/1999	4/13/1999	3.6	3.6	49.7	176.8	B	W	d
NH00	4/13/1999	4/20/1999	6.1	6.1	14	85.6	B	W	d
NH00	4/20/1999	4/27/1999	0	0	-9	0	B	T	d
NH00	4/27/1999	5/4/1999	0	0	-9	0	B	D	hd
NH00	5/4/1999	5/11/1999	13.2	13.2	9.1	120	B	W	d
NH00	5/11/1999	5/18/1999	0	0	-9	0	A	D	
NH00	5/18/1999	5/26/1999	43.1	43.1	11.9	510.6	B	W	h
NH00	5/26/1999	6/1/1999	0	0	-9	0	B	T	d
NH00	6/1/1999	6/8/1999	1.5	1.5	-9	-9	C	W	fhd
NH00	6/8/1999	6/15/1999	3.6	3.6	18.1	64.3	B	W	d
NH00	6/15/1999	6/22/1999	7.4	7.4	19.8	145.9	B	W	d
NH00	6/22/1999	6/29/1999	21	21	6	124.6	B	W	d
NH00	6/29/1999	7/6/1999	27.3	27.3	5.5	151.2	B	W	d
NH00	7/6/1999	7/13/1999	29.7	29.7	16	474.5	B	W	d
NH00	7/13/1999	7/20/1999	21	21	7	147.3	B	W	hd
NH00	7/20/1999	7/27/1999	34.6	34.6	12	413.8	B	W	d
NH00	7/27/1999	8/3/1999	8.3	8.3	17.4	144.9	B	W	d
NH00	8/3/1999	8/10/1999	8.9	8.9	17.5	155.7	B	W	d
NH00	8/10/1999	8/17/1999	29.2	29.2	10.2	298.9	B	W	d
NH00	8/17/1999	8/24/1999	17.8	17.8	7.4	131.3	B	W	d
NH00	8/24/1999	8/31/1999	6.4	6.4	14.2	90.2	B	W	d
NH00	8/31/1999	9/7/1999	7.7	7.7	10.3	79.8	A	W	
NH00	9/7/1999	9/13/1999	92.2	92.2	4.5	411.3	B	W	d
NH00	9/13/1999	9/21/1999	136.8	136.8	2.9	396.5	B	W	d
NH00	9/21/1999	9/28/1999	29	29	5.7	165	B	W	d
NH00	9/28/1999	10/5/1999	35.1	35.1	6	209.7	A	W	
NH00	10/5/1999	10/12/1999	5.1	5.1	12	60.8	B	W	h
NH00	10/12/1999	10/19/1999	14.2	14.2	10.5	149.7	A	W	
NH00	10/19/1999	10/26/1999	37.5	37.5	3	113.8	B	W	d
NH00	10/26/1999	11/2/1999	0	0	-9	0	A	D	
NH00	12/14/1999	12/21/1999	22.8	22.8	4	91	B	W	d
NH00	12/21/1999	12/28/1999	0	0	-9	0	B	T	d
NH00	12/28/1999	1/5/2000	19.1	19.1	8.9	169	B	W	d

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NH00	1/5/2000	1/11/2000	22.9	22.9	2.6	60.1	B	W	d
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B7. Laconia, New Hampshire Weekly MDN Data (continued)

NH00	1/11/2000	1/18/2000	7.2	7.2	-9	-9	C	W	fvd
NH00	1/18/2000	1/25/2000	0	0	-9	-9	C	T	fdz
NH00	1/25/2000	2/1/2000	18.3	18.3	2.5	45.9	B	W	dh
NH00	2/1/2000	2/8/2000	0	0	-9	0	B	D	d
NH00	2/8/2000	2/15/2000	31.1	31.1	3.5	110	B	W	d
NH00	2/15/2000	2/22/2000	15.2	15.2	1.8	27.9	B	W	d
NH00	2/22/2000	2/29/2000	17.8	17.8	7.5	133.1	B	W	d
NH00	2/29/2000	3/7/2000	0.8	0.8	-9	-9	C	W	vd
NH00	3/7/2000	3/14/2000	36.6	36.6	14	511	A	W	
NH00	3/14/2000	3/21/2000	12.1	12.1	5.6	67.9	B	W	d
NH00	3/21/2000	3/29/2000	40.8	40.8	3.8	155	B	W	d
NH00	3/28/2000	4/4/2000	22.7	22.7	13.5	307.4	A	W	
NH00	4/4/2000	4/11/2000	30.2	30.2	3.6	110.2	B	W	d
NH00	4/11/2000	4/18/2000	4.8	4.8	6.9	32.7	A	W	
NH00	4/18/2000	4/24/2000	43.1	43.1	5.3	226.8	A	W	

Site ID: NH00 Date Range: to Report Date: 5/15/2002  
2:20:21 PM

Site	Date On	Date Off	Subppt	Pptrec	HgConc	HgDep	QR	SampleType	Notes
NH00	5/4/2001	5/8/2001	1.3	1.3	30.3	38.4	B	W	dh
NH00	5/8/2001	5/15/2001	5	5	21.6	107	A	W	
NH00	5/15/2001	5/22/2001	0.3	0.3	-9	0	B	T	h
NH00	5/22/2001	5/29/2001	35.4	35.4	13.7	486.1	B	W	d
NH00	5/29/2001	6/5/2001	69.5	-9	7.1	494.7	B	W	mh
NH00	6/5/2001	6/12/2001	23.1	23.1	12.8	295.2	A	W	
NH00	6/12/2001	6/19/2001	8.9	8.9	25.2	223.7	A	W	
NH00	6/19/2001	6/26/2001	10.5	10.5	18.7	196.6	B	W	d
NH00	6/26/2001	7/3/2001	14	14	10.3	144.2	B	W	d
NH00	7/3/2001	7/10/2001	17.5	17.5	12.7	222.2	B	W	d
NH00	7/10/2001	7/17/2001	12.8	12.8	9.3	119	B	W	dh
NH00	7/17/2001	7/24/2001	1.7	1.7	-9	-9	C	W	hv
NH00	7/24/2001	7/31/2001	22.5	22.5	4.7	105.8	B	W	dh
NH00	7/31/2001	8/7/2001	1.9	1.9	28.5	54.2	A	W	
NH00	8/7/2001	8/14/2001	0.9	0.9	19.7	17.7	A	W	
NH00	8/14/2001	8/21/2001	15.5	15.5	8.7	134.8	B	W	d
NH00	8/21/2001	8/28/2001	0	0	0	0	A	T	
NH00	8/28/2001	9/4/2001	22.9	22.9	9.4	215.3	B	W	dh
NH00	9/4/2001	9/11/2001	15	15	8.8	132	B	W	d
NH00	9/11/2001	9/18/2001	4.8	4.8	4.8	23	B	W	d
NH00	9/18/2001	9/25/2001	20.3	20.3	11.3	229.4	B	W	d
NH00	9/25/2001	10/2/2001	38.4	38.4	4.1	157.4	B	W	d
NH00	10/2/2001	10/9/2001	1.5	1.5	8.7	13	B	W	d
NH00	10/9/2001	10/16/2001	12.7	12.7	10.1	128.3	B	W	d
NH00	10/16/2001	10/23/2001	12.7	12.7	5.6	71.1	B	W	d
NH00	10/23/2001	10/30/2001	5.6	5.6	6.3	35.3	B	W	dh
NH00	10/30/2001	11/6/2001	14.5	14.5	5.8	84.1	B	W	d
NH00	11/6/2001	11/13/2001	1.5	1.5	13.1	19.6	B	W	dh
NH00	11/13/2001	11/20/2001	1	1	10.9	10.9	B	W	di
NH00	11/20/2001	11/27/2001	4.8	4.8	12.7	61	B	W	dh
NH00	11/27/2001	12/3/2001	21.2	21.2	6.3	133.6	B	W	d
NH00	12/4/2001	12/11/2001	7.4	7.4	4.6	34	A	W	
NH00	12/11/2001	12/18/2001	30.5	30.5	4.1	125	B	W	d
NH00	12/18/2001	12/24/2001	10.3	10.3	8.9	91.7	B	W	d
NH00	12/24/2001	12/31/2001	0	0	0	0	A	T	

SOURCE: MDN02e.xls, sheet; NH Laconia 89-01



## B8. St. Andrews, New Brunswick, Canada Weekly MDN Data

NADP/MDN Monitoring Location NB02	
Station	St. Andrews (NB02)
Location	New Brunswick
Dates of Operation	07/02/1996 - present
Latitude	45 05 00
Longitude	67 05 00
Elevation	meters
Canada Dept. of Energy, Mines, and Resources 1:50000 Map	
Operating Agency	Environment Canada
Funding Agency	Environment Canada

MDN Weekly Data NATIONAL ATMOSPHERIC DEPOSITION PROGRAM/MDN										
Site ID: NB02 Date Range: 01/01/1996 to 01/01/1998 Report Date: 08/10/2000										
8:05:43 AM										
Site	Date On	Date Off	Subppt	Pptrec	Hg Conc	Hg Dep	QR	SP	SL	Inval
NB02	7/2/1996	7/9/1996	36.07	36.07	13.85	499.57	B			xr
NB02	7/9/1996	7/16/1996	133.6	133.6	15.26	2038.9	B			xr
NB02	7/16/1996	7/23/1996	28.45	28.45	7.11	202.28	B			r
NB02	7/23/1996	7/30/1996	8.38	8.38	24.46	205.03	B			r
NB02	7/30/1996	8/6/1996	5.33	5.33	6.2	33.07	B			xr
NB02	8/6/1996	8/13/1996	5.33	5.33	5.17	27.58	B			xr
NB02	8/13/1996	8/20/1996	0.25	0.25	-9	-9	B			xnr
NB02	8/20/1996	8/27/1996	12.7	12.7	6.38	81.03	B			r
NB02	8/27/1996	9/3/1996	26.15	-9	10.25	268.01	B			zr
NB02	9/3/1996	9/10/1996	28.96	28.96	3.13	90.64	B			hr
NB02	9/10/1996	9/17/1996	85.55	-9	4.7	402.09	B			zr
NB02	9/17/1996	9/24/1996	21.84	21.84	7.92	173.01	B			r
NB02	9/24/1996	10/1/1996	14.37	-9	4.28	61.5	B			xzr
NB02	10/1/1996	10/8/1996	4.06	4.06	11.47	46.62	A			
NB02	10/8/1996	10/15/1996	19.56	19.56	9.04	176.81	B			xr
NB02	10/15/1996	10/22/1996	0.56	-9	-9	-9	B			hnr
NB02	10/22/1996	10/29/1996	43.63	-9	6.03	263.08	B			zr
NB02	10/29/1996	11/5/1996	7.74	-9	7.07	54.7	B			xzr
NB02	11/5/1996	11/12/1996	45.97	45.97	3.19	146.66	B			r
NB02	11/12/1996	11/19/1996	0	0	-9	0	B			nr
NB02	11/19/1996	11/26/1996	35.81	35.81	3.4	121.77	B			r
NB02	11/26/1996	12/3/1996	38.35	38.35	3.33	127.73	B			er
NB02	12/3/1996	12/10/1996	49.02	49.02	2.28	111.78	B			xr
NB02	12/10/1996	12/17/1996	1	-9	19.41	19.46	B			zr
NB02	12/17/1996	12/24/1996	25.14	25.14	4.25	106.62	B			hz
NB02	12/24/1996	12/31/1996	44.96	44.96	5.42	243.67	A			
NB02	12/31/1996	1/7/1997	19.17	19.17	4.77	91.51	B			r
NB02	1/7/1997	1/14/1997	18.03	18.03	2.68	48.4	B			r
NB02	1/14/1997	1/21/1997	21.5	21.5	3.44	73.96	B			r
NB02	1/21/1997	1/28/1997	35	35	2.82	98.79	B			xr
NB02	1/28/1997	2/4/1997	31.97	31.97	2.81	89.96	B			r
NB02	2/4/1997	2/11/1997	23	23	-9	-9	A	Q		
NB02	2/11/1997	2/18/1997	13.5	13.5	3.23	43.54	B			r
NB02	2/18/1997	2/25/1997	15.08	15.08	7.88	118.88	B			r
NB02	2/25/1997	3/4/1997	11.3	11.3	9.65	109.04	B			r



B8. St. Andrews, New Brunswick, Canada Weekly MDN Data (continued)

NB02	3/4/1997	3/11/1997	24	24	2.35	56.35	B			xr
NB02	3/11/1997	3/18/1997	31.75	31.75	2.34	74.14	B			xr
NB02	3/18/1997	3/25/1997	5.8	5.8	33.13	192.14	B			vr
NB02	3/25/1997	4/1/1997	44.16	44.16	4.15	183.18	B			xr
NB02	4/1/1997	4/8/1997	9.5	9.5	13.98	132.85	B			xr
NB02	4/8/1997	4/15/1997	18.3	18.3	5.45	99.77	B			r
NB02	4/15/1997	4/22/1997	0	0	8.49	0	A			
NB02	4/22/1997	4/29/1997	28.5	28.5	4.16	118.44	B			hr
NB02	4/29/1997	5/6/1997	30.8	30.8	11.9	366.56	B			hxr
NB02	5/6/1997	5/13/1997	12.92	12.92	9.02	116.54	B			r
NB02	5/13/1997	5/20/1997	42.1	42.1	5.62	236.49	B			x
NB02	5/20/1997	5/27/1997	9.83	9.83	7.67	75.38	B			x
NB02	5/27/1997	6/3/1997	1.27	1.27	16.01	20.34	B			r
NB02	6/3/1997	6/10/1997	0	0	16.45	0	A			v
NB02	6/10/1997	6/17/1997	14.6	14.6	23.24	339.29	B			r
NB02	6/17/1997	6/24/1997	14.3	14.3	17.12	244.83	B			xr
NB02	6/24/1997	7/1/1997	14.3	14.3	23.1	330.35	B			xr
NB02	7/1/1997	7/8/1997	24.38	24.38	13.24	322.75	B			xr
NB02	7/8/1997	7/15/1997	4.4	4.4	36.42	160.23	B			r
NB02	7/15/1997	7/22/1997	2.3	2.3	12.95	29.79	B			xr
NB02	7/22/1997	7/29/1997	0.7	0.7	28.08	19.68	B			vxr
NB02	7/29/1997	8/4/1997	2.9	2.9	8.77	25.44	B			xr
NB02	8/5/1997	8/12/1997	13.4	13.4	8.35	111.88	B			xr
NB02	8/12/1997	8/19/1997	13.4	13.4	12.2	163.5	B			r
NB02	8/19/1997	8/26/1997	3.9	3.9	10.68	41.65	B			xrh
NB02	8/26/1997	9/2/1997	2.6	2.6	27.29	70.97	B			r
NB02	9/2/1997	9/9/1997	33.36	-9	7.5	250.1	B			xpr
NB02	9/9/1997	9/16/1997	5.45	-9	17.23	93.98	B			xp
NB02	9/16/1997	9/23/1997	13.7	13.7	15.36	210.42	B			x
NB02	9/23/1997	9/30/1997	10.92	10.92	2.74	29.97	A			
NB02	9/30/1997	10/7/1997	4.06	4.06	7.95	32.31	A			
NB02	10/7/1997	10/13/1997	0	0	-9	0	A			n
NB02	10/14/1997	10/21/1997	0	0	-9	0	B			nh
NB02	10/21/1997	10/28/1997	23.08	23.08	3.22	74.34	A			
NB02	10/28/1997	11/4/1997	39.99	39.99	4.77	190.94	A			
NB02	11/4/1997	11/11/1997	29.21	29.21	6.65	194.37	A			
NB02	11/11/1997	11/18/1997	9	9	0.84	7.6	B			r
NB02	11/18/1997	11/25/1997	12.55	12.55	2.2	27.66	B			xr
NB02	11/25/1997	12/3/1997	38.1	38.1	4.86	185.03	B			x
NB02	12/3/1997	12/9/1997	20.98	20.98	2.66	55.72	A			
NB02	12/9/1997	12/16/1997	2.03	2.03	26.59	54.04	A			v
NB02	12/16/1997	12/23/1997	2.03	2.03	-9	-9	A			n
NB02	12/23/1997	12/30/1997	55.19	55.19	2.14	118.37	B			h

Revision of July 15, 2003

B8. St. Andrews, New Brunswick, Canada Weekly MDN Data (continued)

MDN Weekly Data NATIONAL ATMOSPHERIC DEPOSITION PROGRAM/MDN									
Site ID: NB02 Date Range: to Report Date: 08/10/2000 8:06:46 AM									
Site	Date On	Date Off	Subppt	Pptrec	Hg Conc	Hg Dep	QR	Sample Type	Notes
NB02	12/30/1997	1/6/1998	14.2	14.2	6.3	89.6	A	W	
NB02	1/6/1998	1/13/1998	40.9	40.9	4.5	186	B	W	h
NB02	1/13/1998	1/20/1998	10.3	10.3	2.9	29.6	A	W	
NB02	1/20/1998	1/27/1998	89.7	-9	2.6	236.2	B	W	m
NB02	1/27/1998	2/3/1998	4.4	4.4	4.6	20.1	B	W	dhi
NB02	2/3/1998	2/10/1998	0	0	-9	0	A	D	
NB02	2/10/1998	2/17/1998	21.2	21.2	5.5	116.4	A	W	
NB02	2/17/1998	2/24/1998	31.7	31.7	1.1	35.8	B	W	h
NB02	2/24/1998	3/3/1998	69.9	69.9	2.6	180.2	A	W	
NB02	3/3/1998	3/10/1998	79	79	-9	-9	C	W	f
NB02	3/10/1998	3/17/1998	14	14	6.2	87.1	A	W	
NB02	3/17/1998	3/24/1998	24	24	27.2	650.7	A	W	
NB02	3/24/1998	3/31/1998	6.8	6.8	19.8	134	A	W	
NB02	3/31/1998	4/7/1998	27.9	27.9	8.9	249.6	B	W	d
NB02	4/7/1998	4/14/1998	0	0	-9	0	A	D	
NB02	4/14/1998	4/21/1998	40.1	40.1	12.6	506.1	A	W	
NB02	4/21/1998	4/28/1998	32.5	32.5	4.3	138.4	B	W	d
NB02	4/28/1998	5/5/1998	10	10	9.3	93	B	W	dh
NB02	5/5/1998	5/12/1998	21.3	21.3	4.4	93.4	B	W	d
NB02	5/12/1998	5/19/1998	2	2	22.1	44.2	B	W	d
NB02	5/19/1998	5/26/1998	4.8	4.8	13.5	64.8	B	W	d
NB02	5/26/1998	6/2/1998	28.5	28.5	14	400.7	B	W	d
NB02	6/2/1998	6/9/1998	15.8	15.8	6.7	105.7	B	W	dh
NB02	6/9/1998	6/16/1998	44.9	44.9	4.6	208.3	B	W	h
NB02	6/16/1998	6/23/1998	13.5	13.5	10.1	136.3	B	W	d
NB02	6/23/1998	6/30/1998	17	17	11.1	187.9	B	W	dh
NB02	6/30/1998	7/7/1998	10.2	10.2	10.5	106.6	B	W	d
NB02	7/7/1998	7/15/1998	8.9	8.9	15.6	138.8	B	W	d
NB02	7/15/1998	7/21/1998	1.5	1.5	26.1	39.1	A	W	
NB02	7/21/1998	7/28/1998	3.7	3.7	12.1	45.3	B	W	dh
NB02	7/28/1998	8/4/1998	2.2	2.2	26.4	59.3	A	W	
NB02	8/4/1998	8/11/1998	0	0	-9	0	A	T	
NB02	8/11/1998	8/18/1998	32	32	4.4	140.8	A	W	
NB02	8/18/1998	8/25/1998	1.8	1.8	10	17.9	B	W	d
NB02	8/25/1998	9/1/1998	25.1	25.1	4.1	102	B	W	m
NB02	9/1/1998	9/8/1998	7.8	7.8	19.3	150.3	A	W	
NB02	9/8/1998	9/15/1998	33	33	7.6	252	A	W	
NB02	9/15/1998	9/22/1998	1.3	1.3	14.6	18.4	A	W	
NB02	9/22/1998	9/29/1998	60.6	60.6	5.8	351.2	B	W	dh
NB02	9/29/1998	10/6/1998	47.5	47.5	9	427.8	B	W	d
NB02	10/6/1998	10/13/1998	50.1	50.1	3.7	183.8	A	W	
NB02	10/13/1998	10/20/1998	24.3	24.3	2.1	52.1	B	W	d
NB02	10/20/1998	10/27/1998	0.1	-9	30.3	4.5	B	T	i
NB02	10/27/1998	11/3/1998	30	30	1.6	48.2	A	W	
NB02	11/3/1998	11/10/1998	0	0	-9	0	A	T	
NB02	11/10/1998	11/17/1998	30.3	30.3	4.9	148.7	A	W	
NB02	11/17/1998	11/24/1998	11	11	-9	-9	C	W	v

B8. St. Andrews, New Brunswick, Canada Weekly MDN Data (continued)

NB02	11/24/1998	12/1/1998	29	29	1.9	55.5	A	W	
NB02	12/1/1998	12/8/1998	3.2	3.2	11.8	37.9	A	W	
NB02	12/8/1998	12/15/1998	0	0	-9	0	A	T	
NB02	12/15/1998	12/22/1998	36.8	36.8	5.3	196.9	B	W	h
NB02	12/22/1998	12/29/1998	5	5	3.8	18.9	A	W	
NB02	12/29/1998	1/5/1999	41.9	41.9	2.2	91.2	A	W	
NB02	1/5/1999	1/12/1999	34	34	5.7	192.9	A	W	
NB02	1/12/1999	1/19/1999	68.1	68.1	3.4	232.4	B	W	h
NB02	1/19/1999	1/26/1999	11.9	11.9	3.5	41.8	A	W	
NB02	1/26/1999	2/2/1999	0	0	-9	0	A	D	
NB02	2/2/1999	2/9/1999	36.8	36.8	2.9	107.1	A	W	
NB02	2/9/1999	2/23/1999	41.7	41.7	5.3	220.2	B	W	d
NB02	2/23/1999	3/2/1999	43.4	43.4	6.2	267.2	B	W	d
NB02	3/2/1999	3/9/1999	28.2	28.2	9.9	277.7	B	W	d
NB02	3/9/1999	3/17/1999	47.6	47.6	2.6	122.1	B	W	d
NB02	3/17/1999	3/23/1999	21.1	21.1	8.8	186.2	B	W	d
NB02	3/23/1999	3/30/1999	30.7	30.7	3.5	107.5	B	W	d
NB02	3/30/1999	4/6/1999	8.8	8.8	10.2	89.3	B	W	h
NB02	4/6/1999	4/13/1999	5.1	5.1	15.1	76.5	B	W	d
NB02	4/13/1999	4/20/1999	0.3	-9	46.9	11.7	B	T	id
NB02	4/20/1999	4/27/1999	3.5	3.5	17.7	61.9	B	W	d
NB02	4/27/1999	5/4/1999	0	0	-9	0	B	T	h
NB02	5/4/1999	5/11/1999	4	4	9.4	37.7	B	W	d
NB02	5/11/1999	5/18/1999	0	0	-9	0	B	T	d
NB02	5/18/1999	5/25/1999	50.8	50.8	5.4	275.2	B	W	hd
NB02	5/25/1999	6/1/1999	0	0	-9	0	B	T	d
NB02	6/1/1999	6/8/1999	1.1	1.1	24	26.8	B	W	hd
NB02	6/8/1999	6/15/1999	28.2	28.2	17.5	493	B	W	hd
NB02	6/15/1999	6/22/1999	0	0	-9	0	B	T	d
NB02	6/22/1999	6/29/1999	10.7	10.7	25.1	267.3	B	W	d
NB02	6/29/1999	7/6/1999	17.4	17.4	5.2	91	B	W	d
NB02	7/6/1999	7/13/1999	17.8	17.8	9.6	170.6	B	W	d
NB02	7/13/1999	7/20/1999	2.3	2.3	23.5	53	B	W	d
NB02	7/20/1999	7/27/1999	37	37	13.5	500.7	B	W	d
NB02	7/27/1999	8/3/1999	2.8	-9	20.3	56.5	B	W	dm
NB02	8/3/1999	8/10/1999	46.3	46.3	5.7	265.6	B	W	hd
NB02	8/10/1999	8/17/1999	32.2	32.2	11.7	377.6	B	W	hd
NB02	8/17/1999	8/24/1999	3	3	11.2	33.5	B	W	d
NB02	8/24/1999	8/31/1999	0	0	-9	0	B	T	d
NB02	8/31/1999	9/7/1999	0	0	-9	0	B	D	hd
NB02	9/7/1999	9/14/1999	7.3	7.3	6.8	49.7	B	W	d
NB02	9/14/1999	9/21/1999	68.5	68.5	10.8	739.6	B	W	d
NB02	9/21/1999	9/28/1999	89	89	4.4	392.8	B	W	d
NB02	9/28/1999	10/5/1999	9	9	7.1	64	A	W	
NB02	10/5/1999	10/12/1999	5.2	5.2	7.4	38.4	A	W	
NB02	10/12/1999	10/19/1999	31	31	6.7	206.1	B	W	hd
NB02	10/19/1999	10/26/1999	19.9	19.9	4.4	86.6	B	W	hdm
NB02	10/26/1999	11/2/1999	0	0	-9	0	B	D	h
NB02	11/2/1999	11/9/1999	26.4	26.4	5.9	156.1	B	W	hd
NB02	11/9/1999	11/16/1999	42.9	42.9	-9	-9	C	W	vfz
NB02	11/16/1999	11/23/1999	30.7	30.7	5.5	169	B	W	d
NB02	11/23/1999	11/30/1999	24.4	24.4	5.6	137	B	W	d

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B8. St. Andrews, New Brunswick, Canada Weekly MDN Data (continued)

NB02	11/29/1999	12/6/1999	13.5	13.5	8.1	109.3	B	W	hd
NB02	12/6/1999	12/14/1999	59.7	59.7	4.3	258.1	A	W	
NB02	12/14/1999	12/21/1999	22.5	22.5	3.6	81.7	B	W	d
NB02	12/21/1999	12/28/1999	0	0	-9	0	A	D	
NB02	12/28/1999	1/4/2000	16.8	16.8	9	150.9	B	W	d
NB02	1/4/2000	1/11/2000	55	55	3.9	213.4	B	W	d
NB02	1/11/2000	1/18/2000	14	14	-9	-9	C	W	fv
NB02	1/18/2000	1/25/2000	12	12	-9	-9	C	W	fvh
NB02	1/25/2000	2/1/2000	31	31	2.9	91.4	B	W	d
NB02	2/1/2000	2/8/2000	0	0	-9	0	B	T	d
NB02	2/8/2000	2/15/2000	55.4	55.4	6.7	372.4	B	W	d
NB02	2/15/2000	2/22/2000	10	10	13.9	139.3	B	W	dz
NB02	2/22/2000	2/29/2000	11	11	5.5	60.1	B	W	d
NB02	2/29/2000	3/7/2000	18	18	2.8	50.5	B	W	d
NB02	3/7/2000	3/14/2000	32	32	9.4	301.9	B	W	d
NB02	3/14/2000	3/21/2000	15	15	4.7	71	B	W	d
NB02	3/21/2000	3/28/2000	1	1	23.5	23.5	A	W	
NB02	3/28/2000	4/4/2000	47	47	9.3	437.9	B	W	d
NB02	4/4/2000	4/11/2000	18.4	18.4	-9	-9	C	W	cdm
NB02	4/11/2000	4/18/2000	6	6	5.2	30.9	B	W	d
NB02	4/18/2000	4/25/2000	72	72	4.4	317.5	B	W	hm
NB02	4/25/2000	5/2/2000	7.3	-9	4.3	31.9	B	W	dm
NB02	5/2/2000	5/9/2000	24.8	24.8	12.8	316.2	B	W	dm
NB02	5/9/2000	5/16/2000	38.3	38.3	8.4	320.6	B	W	dm
NB02	5/16/2000	5/23/2000	20	20	6.7	134.9	A	W	
NB02	5/23/2000	5/30/2000	30.8	30.8	9.6	296.5	B	W	m
NB02	5/30/2000	6/6/2000	0	0	-9	0	A	T	
NB02	6/6/2000	6/13/2000	15	15	10.7	160	B	W	m
NB02	6/13/2000	6/20/2000	4	4	8.5	34.2	B	W	d
NB02	6/20/2000	6/27/2000	14.5	14.5	12.3	178.3	B	W	d
NB02	6/27/2000	7/4/2000	1.9	-9	52.8	100.3	B	W	dm
NB02	7/4/2000	7/11/2000	28	28	11.6	324.5	B	W	dh
NB02	7/11/2000	7/18/2000	17.5	17.5	12.4	216.2	B	W	dm
NB02	7/18/2000	7/25/2000	3.3	3.3	26.4	88.1	A	W	
NB02	7/25/2000	8/1/2000	0.2	-9	19.7	4.5	B	T	i
NB02	8/1/2000	8/8/2000	6.9	6.9	8.1	55.8	B	W	h
NB02	8/8/2000	8/15/2000	9.5	9.5	12.9	122.3	B	W	d
NB02	8/15/2000	8/22/2000	13.3	13.3	11.1	147.6	B	W	d
NB02	8/22/2000	8/29/2000	5	5	20.1	100.5	A	W	
NB02	8/29/2000	9/5/2000	23.3	23.3	5.6	131.5	B	W	dhm
NB02	9/5/2000	9/12/2000	0	0	-9	0	A	T	
NB02	9/12/2000	9/19/2000	31	31	4.4	137.9	B	W	hm
NB02	9/19/2000	9/26/2000	5.8	5.8	9.1	53.1	B	W	m
NB02	9/26/2000	10/3/2000	2.8	2.8	6.1	17.3	B	W	m
NB02	10/3/2000	10/10/2000	36	36	4.1	147.2	B	W	dh
NB02	10/10/2000	10/17/2000	0	0	-9	0	B	T	h
NB02	10/17/2000	10/24/2000	19.3	19.3	3.2	62.4	B	W	d
NB02	10/24/2000	10/31/2000	28.2	28.2	1.8	50.3	B	W	d
NB02	10/31/2000	11/7/2000	13.3	13.3	3.5	46.6	B	W	dh
NB02	11/7/2000	11/14/2000	0.9	0.9	46	39.1	B	W	hi
NB02	11/14/2000	11/21/2000	20.5	20.5	6.1	125.8	B	W	dh

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B8. St. Andrews, New Brunswick, Canada Weekly MDN Data (continued)

NB02	11/21/2000	11/28/2000	30	30	2.3	68.6	B	W	dh
NB02	11/28/2000	12/5/2000	1	1	2.1	2.1	B	W	i
NB02	12/5/2000	12/12/2000	7	7	3.7	25.6	B	W	dh
NB02	12/12/2000	12/19/2000	35.2	35.2	4.5	157.9	B	W	d
NB02	12/19/2000	12/27/2000	26.2	26.2	3.5	90.7	B	W	d
Site ID: NB02 Date Range: to Report Date: 5/15/2002 2:18:29 PM									
Site	Date On	Date Off	Subppt	Pptrec	HgConc	HgDep	QR	Sample Type	Notes
NB02	12/27/2000	1/2/2001	8.9	8.9	2.8	25.1	B	W	dh
NB02	1/2/2001	1/9/2001	16	16	1.7	27.2	B	W	d
NB02	1/9/2001	1/16/2001	2	2	-9	-9	C	W	v
NB02	1/16/2001	1/23/2001	7.1	7.1	3.2	23	A	W	
NB02	1/23/2001	1/30/2001	1	1	-9	-9	C	T	v
NB02	1/30/2001	2/6/2001	32.9	32.9	2.3	76.2	B	W	d
NB02	2/6/2001	2/13/2001	10.2	10.2	6.7	68	B	W	dh
NB02	2/13/2001	2/20/2001	19	19	4.5	86	A	W	
NB02	2/20/2001	2/27/2001	9.9	9.9	5.5	54.6	A	W	
NB02	2/27/2001	3/6/2001	17.8	17.8	-9	-9	C	W	v
NB02	3/6/2001	3/13/2001	17	17	18	306.8	B	W	d
NB02	3/13/2001	3/20/2001	8.8	8.8	6.7	58.7	B	W	d
NB02	3/20/2001	3/27/2001	23.8	23.8	3.3	79.5	B	W	d
NB02	3/27/2001	4/3/2001	33.8	33.8	3.9	130.4	B	W	d
NB02	4/3/2001	4/10/2001	0	0	-9	0	B	D	d
NB02	4/10/2001	4/17/2001	9.5	9.5	11.7	111.1	B	W	d
NB02	4/17/2001	4/24/2001	10.2	10.2	3.6	36.8	B	W	d
NB02	4/24/2001	5/1/2001	0.3	-9	117.6	37.6	B	T	di
NB02	5/1/2001	5/8/2001	3.8	3.8	14.2	54	B	W	d
NB02	5/8/2001	5/15/2001	19.4	19.4	4.8	93.5	B	W	dh
NB02	5/15/2001	5/22/2001	13.2	13.2	12.5	164.5	B	W	d
NB02	5/22/2001	5/29/2001	14	14	7	98.4	B	W	d
NB02	5/29/2001	6/5/2001	37.1	37.1	12.4	461.2	B	W	d
NB02	6/5/2001	6/12/2001	10.6	10.6	6.2	65.5	B	W	dh
NB02	6/12/2001	6/19/2001	25	25	10.8	271.1	B	W	d
NB02	6/19/2001	6/26/2001	26	26	5.8	151.3	B	W	d
NB02	6/26/2001	7/3/2001	0.5	0	37.2	18.6	B	T	i
NB02	7/3/2001	7/10/2001	12.6	12.6	-9	-9	C	W	dzhf
NB02	7/10/2001	7/17/2001	0.4	0	20.8	8.3	B	T	i
NB02	7/17/2001	7/24/2001	2.3	2.3	5.7	13.1	B	W	d
NB02	7/24/2001	7/31/2001	0.5	0	26.4	13.2	B	T	i
NB02	7/31/2001	8/7/2001	0	0	0	0	A	T	
NB02	8/7/2001	8/14/2001	2.2	2.2	13.4	29.5	B	W	dh
NB02	8/14/2001	8/21/2001	3.7	3.7	18.8	69.6	B	W	d
NB02	8/21/2001	8/28/2001	1.5	1.5	13	19.5	B	W	dm
NB02	8/28/2001	9/4/2001	31.5	31.5	13.9	437.8	B	W	d
NB02	9/4/2001	9/11/2001	1	1	18.3	18.3	B	W	d
NB02	9/11/2001	9/18/2001	0	0	0	0	B	D	h
NB02	9/18/2001	9/25/2001	39.9	39.9	9.7	387	B	W	d
NB02	9/25/2001	10/2/2001	36.8	36.8	3.8	139.8	B	W	d
NB02	10/2/2001	10/9/2001	1.8	1.8	6.5	11.7	B	W	d
NB02	10/9/2001	10/16/2001	6.6	6.6	5.1	33.7	B	W	dz
NB02	10/16/2001	10/23/2001	32.5	32.5	8.4	273	B	W	dzh
NB02	10/23/2001	10/30/2001	5.1	5.1	13.9	70.9	B	W	dz

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B8. St. Andrews, New Brunswick, Canada Weekly MDN Data (continued)

NB02	10/30/2001	11/1/2001	8.4	8.4	1.2	10.1	B	W	dz
NB02	11/1/2001	11/6/2001	4.7	4.7	1.9	8.9	A	W	
NB02	11/6/2001	11/13/2001	24.9	24.9	-9	-9	C	W	dhl
NB02	11/20/2001	11/27/2001	3.7	3.7	4.5	16.7	B	W	dz
NB02	11/27/2001	12/4/2001	18.8	18.8	-9	-9	C	W	zv
NB02	12/4/2001	12/11/2001	1.1	1.1	1.6	1.8	B	W	dz
NB02	12/11/2001	12/18/2001	13.5	13.5	3.6	48.6	B	W	d
NB02	12/18/2001	12/24/2001	4	4	1.2	4.8	B	W	d
NB02	12/24/2001	12/31/2001	30.2	30.2	5	151	B	W	d

SOURCE: MDN02e.xls, sheet; NB 96-01



B9. Kejimikujik National Park, Nova Scotia, Canada Weekly MDN Data

NADP/MDN Monitoring Location NS01	
Station	Kejimikujik National Park (NS01)
Location	Queens County, Nova Scotia
Dates of Operation	07/02/1996 - present
Latitude	44 25 58
Longitude	65 12 20
Elevation	155 meters
Canada Dept. of Energy, Mines, and Resources 1:50000 Map	Kejimikujik Lake (1976)
Operating Agency	Environment Canada-Atmospheric Environment Service
Funding Agency	Environment Canada-Atmospheric Environment Service

MDN Weekly Data NATIONAL ATMOSPHERIC DEPOSITION PROGRAM/MDN										
Site ID: NS01 Date Range: 01/01/1996 to 01/01/1998 Report Date: 08/10/2000										
8:09:11 AM										
Site	Date On	Date Off	Subppt	Pptrec	HgConc	HgDep	QR	SP	SL	Inval
NS01	7/2/1996	7/10/1996	32.81	-9	10.25	336.29	B			xzr
NS01	7/10/1996	7/16/1996	76.2	76.2	17.56	1338.14	B			r
NS01	7/16/1996	7/23/1996	31.24	31.24	5.79	180.9	B			xr
NS01	7/23/1996	7/30/1996	24.38	24.38	9.94	242.39	B			r
NS01	7/30/1996	8/6/1996	18.8	18.8	5.44	102.26	B			xr
NS01	8/6/1996	8/13/1996	0	-9	-9	0	B			znr
NS01	8/13/1996	8/20/1996	0.06	-9	18.01	1.14	B			zvr
NS01	8/20/1996	8/27/1996	8.15	-9	13.09	106.74	B			zr
NS01	8/27/1996	9/3/1996	76.7	-9	11.85	908.95	B			z
NS01	9/3/1996	9/10/1996	4.06	4.06	5.22	21.22	B			r
NS01	9/10/1996	9/17/1996	81.79	81.79	8.11	663.33	B			r
NS01	9/17/1996	9/24/1996	45.72	45.72	9.71	443.96	B			r
NS01	9/24/1996	10/1/1996	57.4	57.4	2.88	165.33	B			r
NS01	10/1/1996	10/8/1996	8.38	8.38	4.72	39.57	B			r
NS01	10/8/1996	10/15/1996	41.91	41.91	6.98	292.55	B			xr
NS01	10/15/1996	10/22/1996	0	0	-9	0	B			hnr
NS01	10/22/1996	10/29/1996	51.82	51.82	4.61	238.88	B			hr
NS01	10/29/1996	11/5/1996	5.84	5.84	4.22	24.65	B			r
NS01	11/5/1996	11/12/1996	22.86	22.86	3.74	85.5	A			
NS01	11/12/1996	11/19/1996	2.29	2.29	6.52	14.91	B			r
NS01	11/19/1996	11/26/1996	8.38	8.38	8.82	73.93	B			r
NS01	11/26/1996	12/3/1996	54.1	54.1	3.98	215.34	B			hr
NS01	12/3/1996	12/10/1996	47.75	47.75	1.9	90.73	B			hr
NS01	12/10/1996	12/17/1996	1.27	1.27	-9	-9	B			hnr
NS01	12/17/1996	12/24/1996	76.96	76.96	2.43	165.84	B			h
NS01	12/24/1996	12/31/1996	25.79	25.79	6.44	166.09	A			
NS01	12/31/1996	1/7/1997	29.4	29.4	5.12	150.65	B			r
NS01	1/7/1997	1/14/1997	26.6	26.6	3.57	94.84	B			r
NS01	1/14/1997	1/21/1997	26.39	26.39	-9	-9	C		F	hzrf
NS01	1/21/1997	1/28/1997	35.27	35.27	3.49	123.03	B			r
NS01	1/28/1997	2/4/1997	41.6	41.6	1.9	79.1	B			zpr
NS01	2/4/1997	2/11/1997	44.19	44.19	1.14	50.38	B	U		ru
NS01	2/11/1997	2/18/1997	31.29	31.29	3.85	120.57	B			zr
NS01	2/18/1997	2/25/1997	19.79	19.79	7.36	145.69	B			r
NS01	2/25/1997	3/4/1997	24.24	24.24	7.52	182.24	B			r
NS01	3/4/1997	3/11/1997	64	64	2.14	136.72	B			r
NS01	3/11/1997	3/18/1997	53.1	53.1	2.75	146.27	B			r
NS01	3/18/1997	3/25/1997	10.8	10.8	3.07	33.11	B			r
NS01	3/25/1997	4/1/1997	65.4	65.4	3.38	221.03	B			r
NS01	4/8/1997	4/15/1997	23.59	23.59	5.41	127.61	B			r
NS01	4/15/1997	4/22/1997	0	0	9.15	0	A			



B9. Kejimikujik National Park, Nova Scotia, Canada Weekly MDN Data (Continued)

NS01	4/29/1997	5/6/1997	37.6	37.6	6.85	257.59	B			hr
NS01	5/6/1997	5/13/1997	50.6	50.6	3.96	200.61	B			r
NS01	5/13/1997	5/20/1997	39.6	39.6	6.19	245.11	B			hr
NS01	5/20/1997	5/27/1997	15.8	15.8	10.15	160.38	B			r
NS01	5/27/1997	6/3/1997	4.4	4.4	17.35	76.34	B			xr
NS01	6/3/1997	6/10/1997	10.4	10.4	11.23	116.8	B			r
NS01	6/10/1997	6/17/1997	11	11	14.22	156.43	B			r
NS01	6/17/1997	6/24/1997	15.19	15.19	13.73	208.58	B			hr
NS01	6/24/1997	7/1/1997	14.8	14.8	27.5	406.99	B			r
NS01	7/1/1997	7/8/1997	0.8	0.8	19.11	15.29	B			vr
NS01	7/8/1997	7/15/1997	8.2	8.2	-9	-9	B			nr
NS01	7/15/1997	7/22/1997	2.6	2.6	18.42	47.9	B			r
NS01	7/22/1997	7/29/1997	2.6	2.6	19.25	50.08	B			hr
NS01	7/29/1997	8/5/1997	21	21	8.55	179.5	B			hr
NS01	8/5/1997	8/12/1997	21.08	21.08	8.22	173.38	B			r
NS01	8/12/1997	8/19/1997	9	9	19.34	174.01	B			r
NS01	8/19/1997	8/26/1997	22.4	22.4	12.34	276.41	B			r
NS01	8/26/1997	9/2/1997	11.6	11.6	16.54	191.81	B			hr
NS01	9/2/1997	9/9/1997	44	44	9.49	417.36	A			
NS01	9/9/1997	9/16/1997	74.01	74.01	13.15	973.29	B			hxr
NS01	9/16/1997	9/23/1997	9.5	9.5	5.43	51.56	B			r
NS01	9/23/1997	9/30/1997	25.91	25.91	4.82	124.92	A			
NS01	9/30/1997	10/7/1997	13	13	-9	-9	C		F	rf
NS01	10/7/1997	10/14/1997	0	0	-9	0	A			n
NS01	10/14/1997	10/21/1997	0	0	-9	0	A			n
NS01	10/21/1997	10/28/1997	30.58	30.58	3.88	118.55	A			
NS01	10/28/1997	11/4/1997	18.6	18.6	5.33	99.09	A			
NS01	11/4/1997	11/11/1997	33.88	33.88	8.96	303.46	B			h
NS01	11/11/1997	11/18/1997	31.65	31.65	2.3	72.79	A			
NS01	11/18/1997	11/25/1997	28.03	-9	2.95	82.64	A			p
NS01	11/25/1997	12/2/1997	37.08	37.08	3.95	146.39	A			
NS01	12/2/1997	12/9/1997	39.73	39.73	3.99	158.65	A			
NS01	12/9/1997	12/16/1997	1.76	-9	6.13	10.79	A			p
NS01	12/16/1997	12/23/1997	1	1	49.95	49.87	B			vh
NS01	12/23/1997	12/30/1997	47.6	47.6	2.3	109.4	B			h

Site	Date On	Date Off	Subppt	Pptrec	Hg Conc	Hg Dep	QR	SampleType	Notes
NS01	12/30/1997	1/6/1998	6	6	3.8	22.8	B	W	h
NS01	1/6/1998	1/13/1998	77.7	77.7	4.4	341.5	A	W	
NS01	1/13/1998	1/20/1998	36.3	36.3	1.7	63.5	A	W	
NS01	1/20/1998	1/27/1998	89	89	2.6	230.7	A	W	
NS01	1/27/1998	2/3/1998	14	14	1.9	26.2	A	W	
NS01	2/3/1998	2/10/1998	0	0	-9	0	A	D	
NS01	2/10/1998	2/17/1998	11.9	11.9	-9	-9	C	W	vh
NS01	2/17/1998	2/24/1998	21.6	21.6	2.3	48.8	B	W	h
NS01	2/24/1998	3/3/1998	59.8	59.8	2.7	159.5	B	W	d
NS01	3/3/1998	3/10/1998	18	18	8	143.8	A	W	
NS01	3/10/1998	3/17/1998	69	69	1.4	94.6	A	W	
NS01	3/17/1998	3/24/1998	43.3	43.3	2.3	99	A	W	
NS01	3/24/1998	3/31/1998	0.6	0.6	22.6	13	B	T	I
NS01	3/31/1998	4/7/1998	17.8	17.8	10.7	189.9	A	W	
NS01	4/7/1998	4/14/1998	9.5	9.5	2.1	19.8	A	W	
NS01	4/14/1998	4/21/1998	17.5	17.5	12.3	215.4	A	W	
NS01	4/21/1998	4/28/1998	7	7	3.9	27.4	A	W	
NS01	4/28/1998	5/5/1998	12.6	12.6	8.2	103	A	W	
NS01	5/5/1998	5/12/1998	27.7	27.7	9.3	256.9	B	W	d
NS01	5/12/1998	5/19/1998	2.9	2.9	11.9	34.9	B	W	d
NS01	5/19/1998	5/26/1998	8.4	8.4	11.5	96.2	A	W	
NS01	5/26/1998	6/2/1998	5.5	5.5	16.4	89.8	A	W	
NS01	6/2/1998	6/9/1998	5	5	7.7	38.7	A	W	

## B9. Kejimikujik National Park, Nova Scotia, Canada Weekly MDN Data (Continued)

NS01	6/9/1998	6/16/1998	8.5	8.5	5.5	47	B	W	h
NS01	6/16/1998	6/23/1998	16	16	19.8	315.9	A	W	
NS01	6/23/1998	6/30/1998	35.6	35.6	6	214.7	A	W	
NS01	6/29/1998	7/6/1998	27	27	8.2	221.7	B	W	d
NS01	7/7/1998	7/14/1998	42	42	14.2	598	A	W	
NS01	7/14/1998	7/21/1998	8.9	8.9	15.7	140.1	A	W	
NS01	7/21/1998	7/28/1998	1.2	1.2	49	58.8	A	W	
NS01	7/28/1998	8/4/1998	3.5	3.5	15.5	54.4	A	W	
NS01	8/4/1998	8/11/1998	0	0	-9	0	A	T	
NS01	8/11/1998	8/18/1998	13.5	13.5	17.7	239	B	W	d
NS01	8/18/1998	8/25/1998	34.2	34.2	6.5	221.1	A	W	
NS01	8/25/1998	9/1/1998	15.4	15.4	7.4	114.2	A	W	
NS01	9/1/1998	9/8/1998	9.7	9.7	6	58.5	B	W	m
NS01	9/8/1998	9/15/1998	23.7	23.7	12.6	297.1	A	W	
NS01	9/15/1998	9/22/1998	0.3	0.3	17.4	5.2	B	T	i
NS01	9/22/1998	9/29/1998	54.5	54.5	6.4	347.9	A	W	
NS01	9/29/1998	10/6/1998	1.2	1.2	14.3	17.2	B	W	h
NS01	10/6/1998	10/13/1998	112	112	3.2	360.5	A	W	
NS01	10/13/1998	10/20/1998	17.7	17.7	3.3	58.1	A	W	
NS01	10/20/1998	10/27/1998	0	0	-9	0	A	D	
NS01	10/27/1998	11/3/1998	78.2	78.2	1.8	141.2	A	W	
NS01	11/3/1998	11/10/1998	0	0	-9	0	A	T	
NS01	11/10/1998	11/17/1998	45.4	45.4	3	137.8	A	W	
NS01	11/17/1998	11/24/1998	24.5	24.5	3.5	86.3	A	W	
NS01	11/24/1998	12/1/1998	18	18	2.5	44.5	B	W	h
NS01	12/1/1998	12/8/1998	5.1	5.1	3.9	20.1	B	W	h
NS01	12/8/1998	12/15/1998	2.1	2.1	6.9	14.5	A	W	
NS01	12/15/1998	12/22/1998	22.4	22.4	5.1	114.2	A	W	
NS01	12/22/1998	12/29/1998	21	21	6	126.9	A	W	
NS01	12/28/1998	1/4/1999	46.5	46.5	2.7	125.3	A	W	
NS01	1/5/1999	1/12/1999	57.5	57.5	3.4	194.5	A	W	
NS01	1/12/1999	1/19/1999	35.6	35.6	2.9	103.5	A	W	
NS01	1/19/1999	1/26/1999	13.7	13.7	3.8	52.2	A	W	
NS01	1/26/1999	2/1/1999	0	-9	-9	0	B	D	m
NS01	2/8/1999	2/15/1999	6	6	4.6	27.7	B	W	d
NS01	2/16/1999	2/23/1999	39.5	39.5	3.1	121.9	B	W	d
NS01	2/23/1999	3/1/1999	9.1	9.1	6.6	60	B	W	d
NS01	3/1/1999	3/8/1999	77	77	2.6	201.5	B	W	hd
NS01	3/8/1999	3/15/1999	58.3	-9	2	115.9	B	W	d
NS01	3/15/1999	3/22/1999	58.4	58.4	5.2	302.8	B	W	hd
NS01	3/23/1999	3/30/1999	38.1	38.1	5.7	216.1	B	W	d
NS01	3/30/1999	4/6/1999	5.3	5.3	4.1	22	B	W	hd
NS01	4/6/1999	4/13/1999	3.8	3.8	12.2	46.6	B	W	d
NS01	4/13/1999	4/20/1999	4.6	4.6	9.2	42	B	W	d
NS01	4/20/1999	4/26/1999	3.6	3.6	10.3	36.6	B	W	d
NS01	4/26/1999	5/4/1999	0.8	0.8	11.5	8.7	B	W	d
NS01	5/4/1999	5/11/1999	15.5	15.5	6.9	106.1	B	W	d
NS01	5/11/1999	5/18/1999	0	0	-9	0	A	T	
NS01	5/18/1999	5/25/1999	36.3	36.3	6.4	231	B	W	hd
NS01	5/25/1999	6/1/1999	12.3	-9	6.4	78.8	B	W	hm
NS01	6/1/1999	6/7/1999	5.5	5.5	10.1	55.7	B	W	d
NS01	6/8/1999	6/15/1999	15.6	15.6	5.1	80	B	W	d
NS01	6/15/1999	6/22/1999	2.4	-9	14.5	34.4	B	W	dm
NS01	6/22/1999	6/29/1999	14	14	18.6	260.1	A	W	
NS01	6/29/1999	7/6/1999	9.9	9.9	10.4	103.5	A	W	
NS01	7/6/1999	7/13/1999	17.9	17.9	12.7	226.3	B	W	d
NS01	7/13/1999	7/20/1999	19.8	19.8	5.2	102.9	B	W	d
NS01	7/20/1999	7/27/1999	27.3	27.3	9	245.7	B	W	d
NS01	7/27/1999	8/3/1999	20.1	20.1	12.9	259.4	A	W	
NS01	8/3/1999	8/10/1999	13.5	13.5	6.5	87.8	B	W	d

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NS01	8/10/1999	8/17/1999	88.6	88.6	6.3	558.4	A	W	
B9. Kejimikujik National Park, Nova Scotia, Canada Weekly MDN Data (Continued)									
NS01	8/17/1999	8/24/1999	3.4	3.4	2.9	10	B	W	d
NS01	8/24/1999	8/31/1999	7.2	7.2	9.1	66.2	B	W	d
NS01	9/7/1999	9/14/1999	43.4	43.4	4	174	B	W	d
NS01	9/14/1999	9/21/1999	44.2	44.2	6.9	306.3	A	W	
NS01	9/21/1999	9/28/1999	80	80	2.9	231.2	B	W	d
NS01	9/28/1999	10/5/1999	31.2	31.2	3	93	A	W	
NS01	10/5/1999	10/12/1999	6	6	4.6	27.4	A	W	
NS01	10/12/1999	10/19/1999	50.1	50.1	4.7	233.2	B	W	d
NS01	10/19/1999	10/26/1999	26.9	26.9	2.6	70.1	B	W	hd
NS01	10/26/1999	11/2/1999	0	0	-9	0	A	T	
NS01	11/2/1999	11/9/1999	10	10	2.3	23.4	B	W	d
NS01	11/9/1999	11/15/1999	23.1	23.1	2.3	53.5	B	W	d
NS01	11/16/1999	11/23/1999	15	15	3.6	53.6	B	W	d
NS01	11/23/1999	11/30/1999	23.5	23.5	4.9	115.7	B	W	hd
NS01	11/30/1999	12/7/1999	35	35	5.4	187.1	B	W	d
NS01	12/7/1999	12/14/1999	47.5	47.5	4.2	199	B	W	d
NS01	12/14/1999	12/21/1999	9.3	9.3	3.4	31.8	A	W	
NS01	12/21/1999	12/28/1999	18.3	18.3	2.8	50.7	B	W	d
NS01	12/28/1999	1/4/2000	22.1	22.1	10.2	224.6	B	W	d
NS01	1/4/2000	1/11/2000	45.8	45.8	4.6	211.8	B	W	d
NS01	1/11/2000	1/18/2000	43	43	2.6	109.9	B	W	d
NS01	1/18/2000	1/25/2000	37.1	37.1	3.6	133.2	B	W	dz
NS01	1/25/2000	2/1/2000	56	56	2.5	140.2	B	W	d
NS01	2/1/2000	2/8/2000	6	6	21.8	130.6	B	W	d
NS01	2/8/2000	2/15/2000	37.7	37.7	8.2	307.4	B	W	d
NS01	2/15/2000	2/22/2000	22.7	22.7	2.8	64.6	B	W	d
NS01	2/22/2000	2/29/2000	5.8	5.8	4.6	26.4	B	W	d
NS01	2/29/2000	3/7/2000	26.6	26.6	1.4	38.2	B	W	d
NS01	3/7/2000	3/14/2000	30.5	30.5	7.5	230	B	W	d
NS01	3/14/2000	3/21/2000	48	48	5	239.4	A	W	d
NS01	3/21/2000	3/28/2000	0.8	0.8	40.8	32.1	B	W	i
NS01	3/28/2000	4/4/2000	30	30	11.8	353.1	B	W	d
NS01	4/4/2000	4/11/2000	55.3	55.3	-9	-9	C	W	fd
NS01	4/11/2000	4/18/2000	8.5	8.5	7.8	66.1	B	W	d
NS01	4/18/2000	4/25/2000	23	23	3.3	76	B	W	d
NS01	4/25/2000	5/2/2000	17.3	17.3	7.1	122.5	B	W	d
NS01	5/2/2000	5/9/2000	31	31	8.4	260.1	A	W	
NS01	5/9/2000	5/16/2000	25.9	25.9	8.9	229.3	A	W	
NS01	5/16/2000	5/23/2000	14.1	14.1	15.4	215.9	A	W	
NS01	5/23/2000	5/30/2000	24.8	24.8	7.7	190.4	B	W	d
NS01	5/30/2000	6/6/2000	0	0	-9	0	A	T	
NS01	6/6/2000	6/13/2000	28	28	6.5	180.8	A	W	
NS01	6/13/2000	6/20/2000	4.2	4.2	8.6	36.7	B	W	d
NS01	6/20/2000	6/27/2000	6.5	6.5	9.7	63	A	W	
NS01	6/27/2000	7/4/2000	7.2	7.2	11	79.5	A	W	
NS01	7/4/2000	7/11/2000	26.6	26.6	10	265.1	B	W	d
NS01	7/11/2000	7/18/2000	14.6	14.6	3.4	50.2	A	W	
NS01	7/18/2000	7/25/2000	27.3	27.3	-9	-9	C	W	fdh
NS01	7/25/2000	8/1/2000	9.8	9.8	5.1	50.3	A	W	
NS01	8/1/2000	8/8/2000	24.6	24.6	4.2	104.5	B	W	d
NS01	8/8/2000	8/15/2000	11.4	11.4	14.1	161	A	W	
NS01	8/15/2000	8/22/2000	14.1	-9	10.9	154.3	B	W	m
NS01	8/22/2000	8/29/2000	4.2	4.2	2.6	10.8	A	W	
NS01	8/29/2000	9/5/2000	14.4	14.4	5.1	73.2	A	W	
NS01	9/5/2000	9/11/2000	0	0	-9	0	A	D	
NS01	9/12/2000	9/19/2000	36.1	36.1	2.8	101.6	A	W	
NS01	9/19/2000	9/26/2000	43.6	43.6	4.5	197.9	B	W	d
NS01	9/26/2000	10/3/2000	4.6	-9	2	9	B	W	m
NS01	10/3/2000	10/10/2000	58.9	58.9	3.9	227.9	B	W	d

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NS01	10/10/2000	10/17/2000	0.6	-9	6.1	3.6	B	T		dhmi
NS01	10/17/2000	10/24/2000	43.1	43.1	2	84.3	A	W		

**B9. Kejimikujik National Park, Nova Scotia, Canada Weekly MDN Data (Continued)**

NS01	10/24/2000	10/31/2000	47.4	47.4	2.5	116.3	B	W		d
NS01	10/31/2000	11/7/2000	43	43	4.7	200.4	B	W		dh
NS01	11/7/2000	11/14/2000	9.2	9.2	3.8	35.4	A	W		
NS01	11/14/2000	11/21/2000	27.2	27.2	2.7	72.3	B	W		dh
NS01	11/21/2000	11/28/2000	25	25	1.9	47.8	B	W		dh
NS01	11/28/2000	12/5/2000	6.1	6.1	1.2	7.3	A	W		d
NS01	12/5/2000	12/12/2000	17.4	17.4	3.5	60.9	B	W		d
NS01	12/12/2000	12/19/2000	49.2	49.2	5.2	254.2	B	W		
NS01	12/19/2000	12/26/2000	62.9	62.9	2.2	135.3	B	W		d

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Site	Date On	Date Off	Subppt	Pptrec	HgConc	HgDep	QR	SampleType	Notes
NS01	12/26/2000	1/2/2001	28.4	28.4	2.5	71.8	B	W	dh
NS01	1/2/2001	1/9/2001	30	30	1.6	47.9	A	W	
NS01	1/9/2001	1/16/2001	16	16	2.1	33.1	B	W	h
NS01	1/16/2001	1/23/2001	36.3	36.3	1.8	66.3	B	W	d
NS01	1/23/2001	1/30/2001	4.3	4.3	16.6	71.7	B	W	i
NS01	1/30/2001	2/6/2001	32.3	32.3	4.1	132.5	B	W	dh
NS01	2/6/2001	2/13/2001	14	14	9.4	131.8	B	W	d
NS01	2/13/2001	2/20/2001	28.8	28.8	2.1	60.1	B	W	d
NS01	2/20/2001	2/27/2001	20.5	20.5	24.3	497.1	B	W	h
NS01	2/27/2001	3/6/2001	4.5	4.5	9.2	41.6	B	W	d
NS01	3/6/2001	3/13/2001	32.6	32.6	12.8	416.1	B	W	d
NS01	3/13/2001	3/20/2001	16.8	16.8	4.1	69	B	W	dh
NS01	3/20/2001	3/27/2001	32.4	32.4	2.4	76.4	B	W	d
NS01	3/27/2001	4/3/2001	31.8	31.8	2.9	92.3	B	W	dh
NS01	4/3/2001	4/10/2001	9.9	9.9	11.1	109.3	B	W	d
NS01	4/10/2001	4/17/2001	38.1	38.1	14.9	568.7	B	W	d
NS01	4/17/2001	4/24/2001	25.2	25.2	3.2	79.9	B	W	d
NS01	4/24/2001	5/1/2001	30.8	30.8	1.6	50.4	B	W	dh
NS01	5/1/2001	5/8/2001	0.5	0.5	38.7	19.3	B	T	hi
NS01	5/8/2001	5/15/2001	55.9	55.9	7.5	420.8	B	W	dh
NS01	5/15/2001	5/22/2001	9.4	9.4	20.5	193	B	W	dh
NS01	5/22/2001	5/29/2001	10.1	10.1	8.3	83.7	B	W	d
NS01	5/29/2001	6/5/2001	46.5	46.5	7.7	356.7	B	W	dh
NS01	6/5/2001	6/12/2001	1.5	1.5	21.7	32.6	A	W	
NS01	6/12/2001	6/19/2001	15.2	15.2	13.8	210.3	B	W	dh
NS01	6/19/2001	6/26/2001	6.4	6.4	14	89.8	B	W	dh
NS01	6/26/2001	7/3/2001	0.8	0.8	21.5	17.2	B	W	di
NS01	7/3/2001	7/10/2001	28.8	28.8	5.4	155.5	B	W	h
NS01	7/10/2001	7/17/2001	5.3	5.3	30.6	162.2	B	W	h
NS01	7/17/2001	7/24/2001	9.6	-9	4.3	41.3	B	W	dmh
NS01	7/24/2001	7/31/2001	1.6	1.6	8.2	13.1	A	W	
NS01	7/31/2001	8/7/2001	0	0	0	0	A	T	
NS01	8/7/2001	8/14/2001	21.7	21.7	7.7	167.1	B	W	d
NS01	8/14/2001	8/21/2001	3.6	3.6	11.6	41.8	B	W	h
NS01	8/21/2001	8/28/2001	3.2	3.2	11.3	36.2	B	W	h
NS01	8/28/2001	9/4/2001	74.3	74.3	4.9	364.1	B	W	h
NS01	9/4/2001	9/11/2001	0.3	-9	49.4	14.8	B	T	dmi
NS01	9/11/2001	9/18/2001	0	0	0	0	A	T	
NS01	9/18/2001	9/25/2001	38.9	38.9	7.1	276.2	B	W	dh
NS01	9/25/2001	10/2/2001	3.9	3.9	11	42.9	B	W	dh
NS01	10/2/2001	10/9/2001	7	7	6.6	46.2	B	W	h
NS01	10/9/2001	10/16/2001	18.3	18.3	0.9	16.5	B	W	dh
NS01	10/16/2001	10/23/2001	44.2	44.2	9.8	433.2	B	W	d
NS01	10/23/2001	10/30/2001	24.7	24.7	5.5	135.8	B	W	dh
NS01	10/30/2001	11/6/2001	30.2	30.2	3.6	108.7	B	W	d
NS01	11/6/2001	11/13/2001	21.3	21.3	3.3	70.3	B	W	dzh

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NS01	11/13/2001	11/20/2001	1.2	1.2	-9	-9	C	W	dvf
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B9. Kejimikujik National Park, Nova Scotia, Canada Weekly MDN Data (Continued)

NS01	11/20/2001	11/27/2001	14.2	14.2	11.5	163.3	B	W	dh
NS01	11/27/2001	12/4/2001	34.6	34.6	-9	-9	C	W	dl
NS01	12/4/2001	12/11/2001	3	3	-9	-9	C	W	dl
NS01	12/11/2001	12/18/2001	21.2	21.2	1.9	40.3	B	W	d
NS01	12/18/2001	12/25/2001	32.7	32.7	2.6	85	B	W	dh

SOURCE: MDN02e.xls/ sheet: NS98-01

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