MERCURY MONITORING
IN THE DRAGON RUN/PIANKATANK AIRSHED
DECEMBER 2004 TO JUNE 2007

FY05 Task 91.01
FY06 Task 95.01

Final Report

Submitted by

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Introduction

In response to concerns relating to the 2003 Virginia Department of Health (VDH) fish consumption advisory for mercury (Hg) in the Dragon Run/Dragon Swamp/Piankatank River watershed, the Piedmont Regional Office of the Department of Environmental Quality (DEQ) entered into a collaborative effort with Dr. William Reay, Director of the Chesapeake Bay National Estuarine Research Reserve at the Virginia Institute of Marine Science (VIMS), and the DEQ Coastal Zone Management Program to establish and maintain a National Atmospheric Mercury Deposition Network (MDN) station to monitor weekly inputs and loadings of Hg into the watershed. The station was constructed on Dr. Reay's property in Harcum, VA and he maintained it and performed the weekly monitoring tasks.

This effort was funded through a DEQ Coastal Zone Management Program grant from December 2004 through June 2007. The DEQ Air Division assumed funding in July 2007. This report includes activity from December 2004 through June 2007.

The data collected in this study will be used for future modeling of Hg loading in this watershed and for the lower Chesapeake Bay by the MDN.

Results and Discussion

Dr. Reay collected one hundred-four (104) weekly samples of rainfall deposition Hg concentration at the Harcum station during this study (Appendix A). There were 26 other weeks in the period where there was no precipitation to sample. An MDN laboratory in Illinois analyzed the samples for total Hg. The mean Hg concentration for the period was 9.99 ng/l (SD=10.19 ng/l) and the mean deposition load combining rainfall with Hg concentration was 182 ng/m^2 (SD=208 ng/m2). The concentrations and loads varied widely from a minimum concentration of 0.92 ng/l and load of 3.91 ng/m^2 to a maximum concentration of 88.6 ng/l and load of 1697 ng/m^2.

There appeared to be a pattern of seasonality in the Harcum data. Monthly totals of the data generally showed highest deposition loads in the summer and lowest in the winter (Figure 1). This pattern also appeared in the other two station datasets from Virginia, located in Culpeper, VA and the Shenandoah National Park (Figure 2, Appendix B).

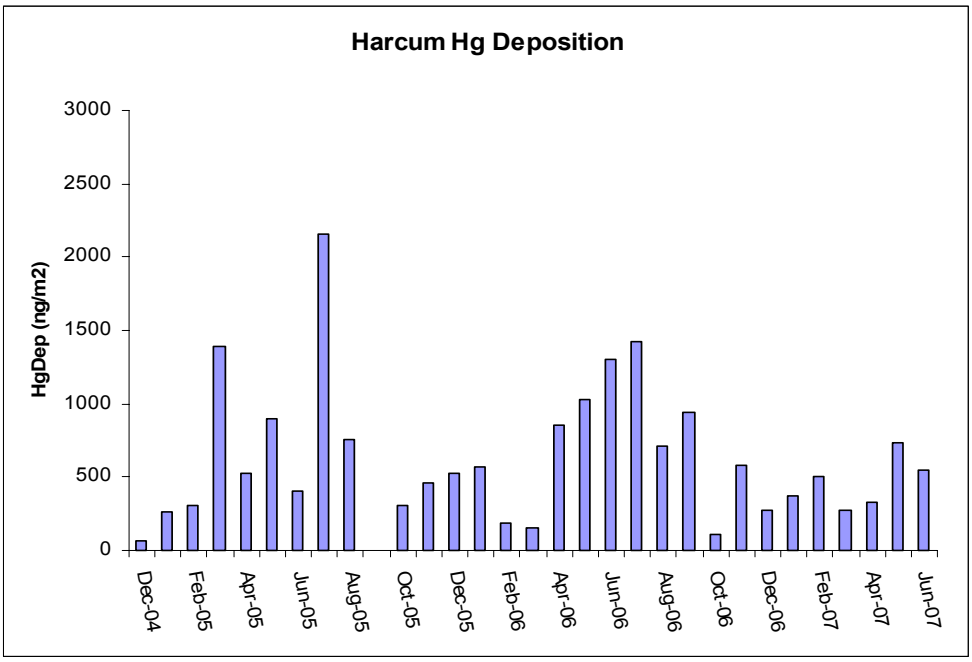


Figure 1. Harcum Hg Deposition by Month, December 2004 to June 2007.

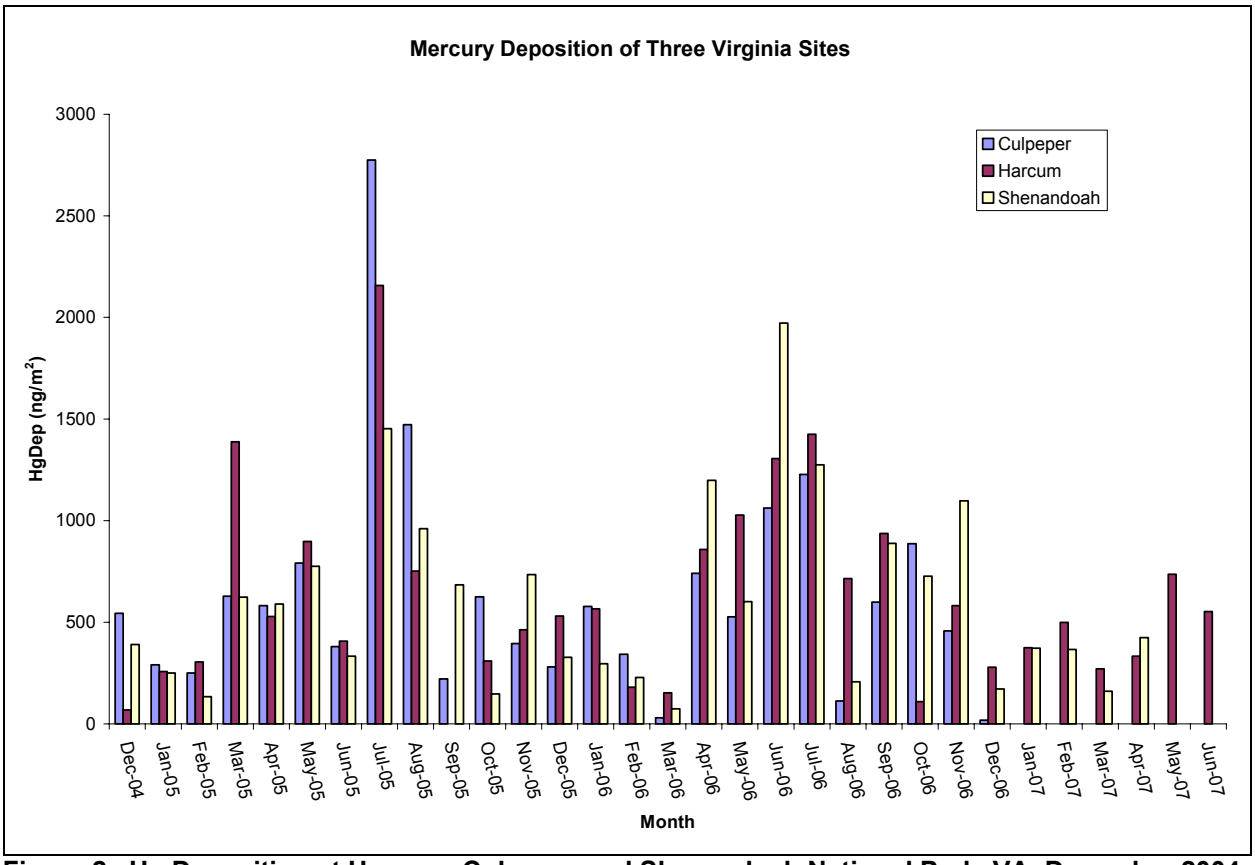


Figure 2. Hg Deposition at Harcum, Culpeper and Shenandoah National Park, VA, December 2004 to June 2007.

Harcum, VA data was compared with data from stations in Acadia National Park in Maine and Everglades National Park in Florida (Appendix C) in Table 1 and Figure 3. The lowest Hg concentrations and loads generally appeared to be in the upper Northeastern USA, Mid-Atlantic concentrations and loads were mid-range, and far Southeastern USA concentrations and loads were greatest.

Table 1. Hg Concentration and Deposition Load from Three East Coast USA Sites, 2004–2007.

Site	Mean [Hg], ng/l	Max [Hg], ng/l	Min [Hg], ng/l	Mean Hg Dep. Load, ng/m^2	Max Hg Dep. Load, ng/m^2	Min Hg Dep. Load, ng/m^2
Acadia NP, Maine	6.8	31.6	0.9	189	1187	11.2
Harcum, VA	9.99	88.6	0.9	182	1697	3.9
Everglades NP, Florida	14.0	43.1	2.5	432	2079	5.6

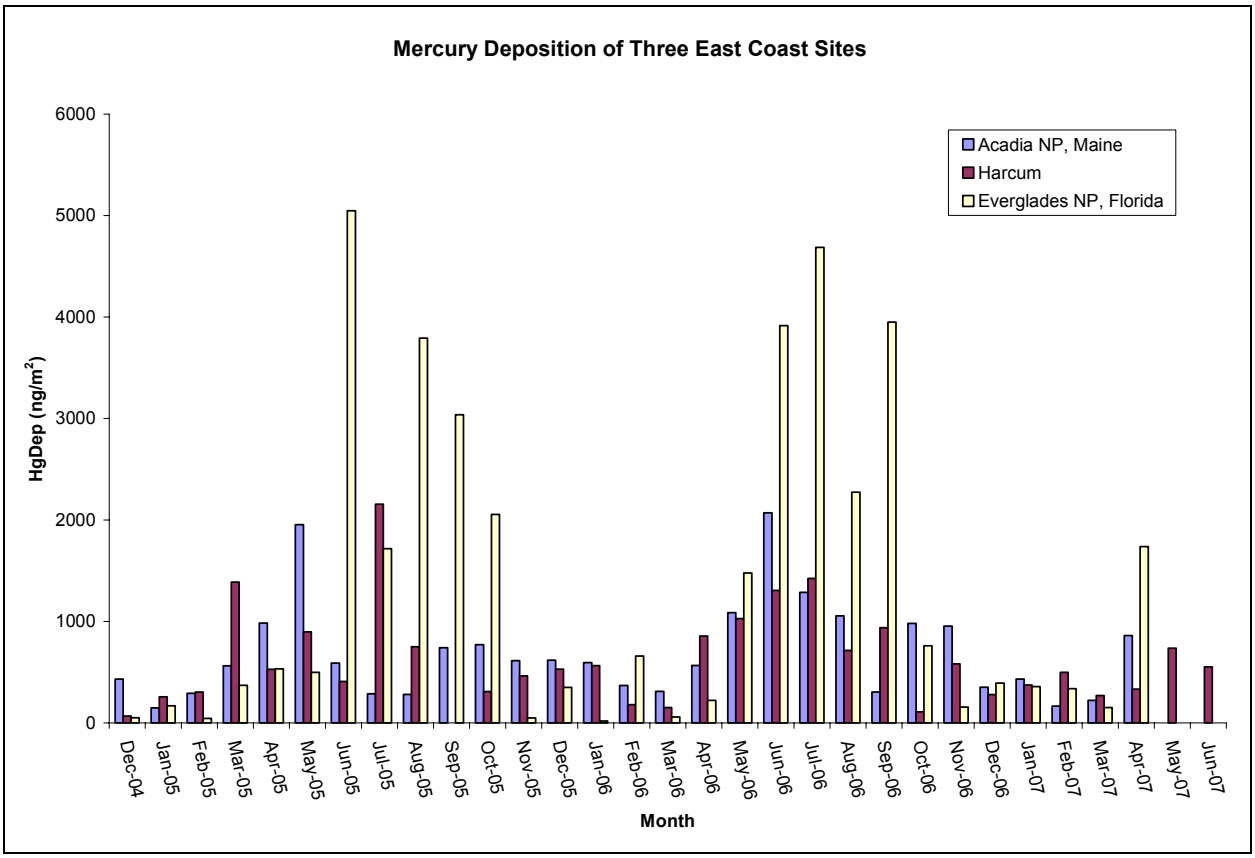


Figure 3. Monthly Hg Deposition at Three East Coast USA Sites, Acadia NP, ME; Harcum, VA; and Everglades NP, FL, December 2004 to June 2007.

Continued monitoring at the Harcum, VA station, funded by the DEQ Air Division, will build a dataset which will allow more complex analysis and modeling of Hg concentrations and loads in the Dragon/Piankatank River watershed and on a wider scale in the southern Chesapeake Bay region, in support of DEQ's Mercury Advisory Committee goals and information needs.

APPENDIX A
Raw Hg Deposition and Load Data from Harcum, Virginia
December 2004 to June 2007

Appendix A. Harcum, VA Hg from MDN, Dec. 2004 to June 2007						HGCONC	HGDEP
SITEID	DATEON	DATEOFF	RGPPT	SVOL	SUBPPT	ng/l	ng/m2
VA98	12/17/2004 19:45	12/21/2004 14:00	1.78	14.1	1.78	6.76	12.01
VA98	12/21/2004 14:00	12/28/2004 14:00	16.76	193.5	16.76	3.4	56.99
VA98	12/28/2004 14:00	1/4/2005 14:00	-7	0	0.13		
VA98	1/4/2005 14:00	1/11/2005 14:00	1.52	16.9	1.52	13.48	20.54
VA98	1/11/2005 14:00	1/18/2005 14:00	43.18	458.2	43.18	2.33	100.61
VA98	1/18/2005 14:00	1/25/2005 14:00	-9	213.1	17.76	7.69	136.56
VA98	1/25/2005 14:00	2/1/2005 14:00	24.13	253.1	24.13	4.54	109.55
VA98	2/1/2005 14:00	2/8/2005 14:00	-7	81.1	0.13		
VA98	2/8/2005 14:00	2/15/2005 14:00	10.16	123.4	10.16	9.87	100.28
VA98	2/15/2005 14:00	2/22/2005 14:00	10.41	87.9	10.41	9.16	95.39
VA98	2/22/2005 14:00	3/1/2005 14:00	34.29	347.9	34.29	5.19	177.97
VA98	3/1/2005 14:00	3/8/2005 14:00	27.69	289.9	27.69	6.67	184.67
VA98	3/8/2005 14:00	3/15/2005 14:00	27.43	271.9	27.43	11.13	305.32
VA98	3/15/2005 14:00	3/22/2005 14:00	17.78	166.5	17.78	29.44	523.44
VA98	3/22/2005 14:00	3/29/2005 14:00	-9	377.9	31.49	6.24	196.5
VA98	3/29/2005 14:00	4/5/2005 13:30	32.51	322.1	32.51	7	227.58
VA98	4/5/2005 13:30	4/12/2005 14:00	8.38	69.6	8.38	5.44	45.6
VA98	4/12/2005 14:00	4/19/2005 13:30	1.78	23.1	1.78	18.67	33.2
VA98	4/19/2005 13:35	4/27/2005 16:30	20.32	192.6	20.32	10.91	221.69
VA98	4/27/2005 16:30	5/3/2005 14:00	28.7	336.1	28.7	3.83	109.93
VA98	5/3/2005 14:00	5/10/2005 14:00	26.42	335.9	26.42	8.43	222.69
VA98	5/10/2005 14:00	5/17/2005 14:00	9.4	103.3	9.4	6.66	62.59
VA98	5/17/2005 14:00	5/24/2005 13:45	30.23	361.8	30.23	9.96	301.05
VA98	5/24/2005 13:45	5/31/2005 13:00	-9	296.5	24.71	8.13	200.87
VA98	5/31/2005 13:00	6/7/2005 13:00	75.69	456.8	75.69	2.77	209.67
VA98	6/7/2005 13:00	6/14/2005 13:30	10.67	136.6	10.67	11.84	126.31
VA98	6/14/2005 13:30	6/21/2005 13:30	9.4	125.2	9.4	6.42	60.34
VA98	6/21/2005 13:30	6/28/2005 13:30	11.68	134.2	11.68	0.92	10.75
VA98	6/28/2005 13:30	7/5/2005 13:30	1.78	24.7	1.78	2.2	3.91
VA98	7/5/2005 13:30	7/12/2005 13:30	23.37	282.2	23.37	17.9	418.29
VA98	7/12/2005 13:30	7/19/2005 14:00	102.87	1196	102.87	16.5	1697.36
VA98	7/19/2005 14:00	7/26/2005 14:00	2.54	28.3	2.54	14.7	37.34
VA98	7/26/2005 14:00	8/2/2005 14:00	34.04	425	34.04	6.3	214.43
VA98	8/2/2005 14:00	8/9/2005 14:00	22.86	262.2	22.86		
VA98	8/9/2005 14:00	8/16/2005 14:00	20.32	250.3	20.32	10.8	219.46
VA98	8/16/2005 14:00	8/23/2005 14:00	37.34	461	37.34	8.3	309.91
VA98	8/23/2005 14:00	8/30/2005 14:00	1.52	17.3	1.52	5.2	7.92
VA98	8/30/2005 14:00	9/6/2005 14:00	0	0	0		
VA98	9/6/2005 14:00	9/13/2005 14:00	-7	0	0.13		
VA98	9/13/2005 14:00	9/20/2005 13:30	4.57	59.3	4.57		
VA98	9/20/2005 13:30	9/27/2005 14:00	93.98	1109.4	93.98		
VA98	9/27/2005 14:00	10/4/2005 14:00	0.51	0.2	0.51		
VA98	10/4/2005 14:00	10/11/2005 14:00	80.26	1001.9	80.26	1.86	149.29
VA98	10/11/2005 14:00	10/18/2005 14:00	1.02	8.9	1.02	10.34	10.51

VA98	10/18/2005 14:00	10/25/2005 14:00	-9	428.3	35.69	4.2	149.9
VA98	10/25/2005 14:00	11/1/2005 12:30	-9	6.4	0.53		
VA98	11/1/2005 12:30	11/8/2005 14:00	0	0	0		
VA98	11/8/2005 14:00	11/15/2005 14:00	11.43	143.1	11.43	20.08	229.51
VA98	11/15/2005 14:00	11/22/2005 12:30	66.29	824.2	66.29	3.25	215.46
VA98	11/22/2005 12:30	11/29/2005 14:00	4.57	47.5	4.57	3.99	18.24
VA98	11/29/2005 14:00	12/6/2005 14:00	-9	673.5	56.12	6.54	367.04
VA98	12/6/2005 14:00	12/13/2005 14:00	13.97	172.7	13.97	1.68	23.47
VA98	12/13/2005 14:00	12/20/2005 13:00	30.48	386.4	30.48	3.78	115.21
VA98	12/20/2005 13:00	12/27/2005 14:00	5.59	84.3	5.59	4.45	24.87
VA98	12/27/2005 14:00	1/3/2006 14:00	38.1	457.1	38.1	4.03	153.65
VA98	1/3/2006 14:00	1/10/2006 14:00	1.27	20.5	1.27	6.04	7.67
VA98	1/10/2006 14:00	1/17/2006 13:00	19.3	227.8	19.3	2.78	53.76
VA98	1/17/2006 13:00	1/24/2006 13:30	30.23	371.7	30.23	4.19	126.64
VA98	1/24/2006 13:30	1/31/2006 14:00	18.03	216.7	18.03	12.41	223.91
VA98	1/31/2006 14:00	2/7/2006 14:00	10.16	150.6	10.16	6.67	67.77
VA98	2/7/2006 14:00	2/14/2006 14:00	14.99	185.6	14.99	4.06	60.85
VA98	2/14/2006 14:00	2/21/2006 14:00	3.3	43.7	3.3	8.42	27.83
VA98	2/21/2006 14:00	2/28/2006 14:00	1.02	6.6	1.02	23.97	24.35
VA98	2/28/2006 14:00	3/7/2006 14:00	0.76	4.9	0.76	11.87	9.04
VA98	3/7/2006 14:00	3/14/2006 13:00	-177.8	0	0.13		
VA98	3/14/2006 13:00	3/21/2006 14:00	0	0	0		
VA98	3/21/2006 14:00	3/28/2006 13:00	3.56	37.9	3.56	40.36	143.53
VA98	3/28/2006 13:00	4/4/2006 13:00	10.92	287	10.92		
VA98	4/4/2006 13:00	4/11/2006 14:00	6.6	68.5	6.6	11.34	74.93
VA98	4/11/2006 14:00	4/18/2006 14:00	19.56	230	19.56	18.98	371.34
VA98	4/18/2006 14:00	4/25/2006 14:00	76.96	948.6	76.96	5.35	411.9
VA98	4/25/2006 14:00	5/2/2006 14:00	5.59	73.2	5.59	11.74	65.63
VA98	5/2/2006 14:00	5/9/2006 13:30	64.77	840.3	64.77	8.89	576.19
VA98	5/9/2006 13:30	5/16/2006 12:00	32	404.2	32	9.94	318.31
VA98	5/16/2006 12:00	5/23/2006 12:00	0	0	0		
VA98	5/23/2006 12:00	5/30/2006 14:00	3.81	48.1	3.81	17.9	68.2
VA98	5/30/2006 14:00	6/6/2006 13:30	18.29	230.5	18.29	12.24	223.88
VA98	6/6/2006 13:30	6/13/2006 13:30	15.49	203.1	15.49	17.94	278.08
VA98	6/13/2006 13:30	6/20/2006 14:00	44.7	557.6	44.7	3.44	154.13
VA98	6/20/2006 14:00	6/27/2006 14:00	91.19	1132.2	91.19	7.13	650.88
VA98		7/5/2006				9.29	700.82
VA98		7/11/2006				4.31	261.64
VA98		7/18/2006				10.98	287.26
VA98		7/25/2006				10.27	174.77
VA98		8/1/2006				23.13	205.63
VA98		8/8/2006				25.59	149.5
VA98		8/15/2006				4.24	64.62
VA98		8/22/2006				10.07	163.7
VA98		8/29/2006				10.16	131.61
VA98		9/1/2006				2.27	478.56
VA98		9/5/2006					
VA98		9/12/2006					

VA98		9/19/2006				7.11	182.37
VA98		9/26/2006				7.62	276.77
VA98		10/3/2006					
VA98		10/10/2006					
VA98		10/17/2006					
VA98		10/24/2006				10.07	109.98
VA98		10/31/2006					
VA98		11/7/2006					
VA98		11/14/2006				5.34	389.28
VA98		11/21/2006				3.82	75.68
VA98		11/28/2006				2.58	116.65
VA98		12/5/2006				5.93	102.42
VA98		12/12/2006					
VA98		12/19/2006				9.67	4.91
VA98		12/26/2006				3.95	171.56
VA98		1/2/2007				4.12	45
VA98		1/9/2007				6.2	204.95
VA98		1/16/2007					
VA98		1/23/2007				5.38	124.4
VA98		1/30/2007					
VA98		2/6/2007				6.39	60.12
VA98		2/13/2007					
VA98		2/20/2007				4.18	143.4
VA98		2/27/2007				15.31	295.62
VA98		3/6/2007				5.6	72.6
VA98		3/13/2007				28.85	29.31
VA98		3/20/2007				4.24	169.08
VA98	04/17/2007 12:00	04/24/2007 12:00	0	0.1	0		
VA98	04/24/2007 12:00	05/01/2007 13:00	30.48	406.2	30.48	10.91	332.54
VA98	05/01/2007 13:00	05/08/2007 13:00	23.876	324.4	23.88	12.72	303.63
VA98	05/08/2007 13:00	05/15/2007 13:00	7.366	92.7	7.37	13.73	101.11
VA98	05/15/2007 13:00	05/22/2007 13:00		149.5	12.48	11.08	138.3
VA98	05/22/2007 13:00	05/29/2007 12:00	0.762	7.6	0.76	88.63	67.54
VA98	05/29/2007 12:00	06/05/2007 13:00	28.702	360.5	28.7	4.37	125.51
VA98	06/05/2007 13:00	06/12/2007 13:00	6.858	109.3	6.86	11.66	79.94
VA98	06/12/2007 13:00	06/19/2007 13:00	0.508	12.5	0.5.51	10.22	5.19
VA98	06/19/2007 13:00	06/26/2007 14:00	2.286	30	2.29	13.40	30.64
VA98	06/26/2007 14:00	07/03/2007 13:00	63.5	772.5	63.5	6.88	436.88
					average	9.989452	182.4056
					max	88.629	1697.36
					min	0.92	3.91
					n	104	104
					sd	10.1942	207.5696

APPENDIX B

Raw Hg Deposition and Load Data from Shenandoah National Park, Virginia and Culpeper, Virginia

December 2004 to April 2007

Mercury Deposition at Three Virginia Sites

VA08 (Culpeper, VA)

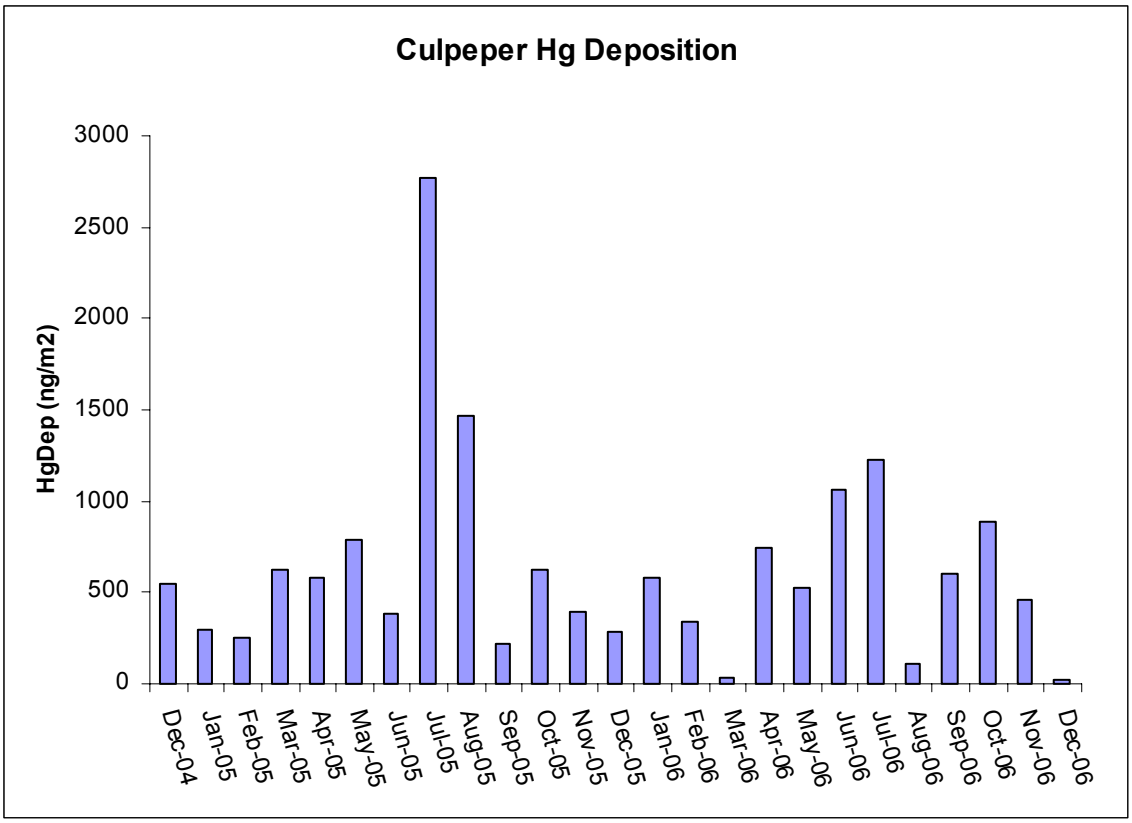
Month	HgDep (ng/m^2)
Dec-04	544.02
Jan-05	291.24
Feb-05	250.48
Mar-05	628.53
Apr-05	581.54
May-05	791.07
Jun-05	380.25
Jul-05	2774.2
Aug-05	1471.99
Sep-05	221.17
Oct-05	625.15
Nov-05	395.13
Dec-05	280.14
Jan-06	578.11
Feb-06	342.53
Mar-06	30.52
Apr-06	741.15
May-06	527.65
Jun-06	1062.12
Jul-06	1226.77
Aug-06	112.26
Sep-06	599.27
Oct-06	887.21
Nov-06	457.91
Dec-06	17.93

VA98 (Harcum, VA)

Month	HgDep (ng/m^2)
Dec-04	69
Jan-05	257.71
Feb-05	305.22
Mar-05	1387.9
Apr-05	528.07
May-05	897.13
Jun-05	407.07
Jul-05	2156.9
Aug-05	751.72
Sep-05	
Oct-05	309.7
Nov-05	463.21
Dec-05	530.59
Jan-06	565.44
Feb-06	180.76
Mar-06	152.56
Apr-06	857.85
May-06	1027.73
Jun-06	1305.75
Jul-06	1424.49
Aug-06	715.06
Sep-06	937.7
Oct-06	109.98
Nov-06	581.61
Dec-06	278.89
Jan-07	374.35
Feb-07	499.14
Mar-07	270.99
Apr-07	332.54
May-07	736.09
Jun-07	552.65

VA28 (Shenandoah, VA)

Month	HgDep (ng/m^2)
Dec-04	391.23
Jan-05	249.76
Feb-05	134
Mar-05	623.85
Apr-05	589.26
May-05	775.57
Jun-05	333.24
Jul-05	1452.5
Aug-05	961.49
Sep-05	683.52
Oct-05	146.59
Nov-05	734.79
Dec-05	327.35
Jan-06	296.57
Feb-06	228.69
Mar-06	73.9
Apr-06	1198.63
May-06	601.58
Jun-06	1972.23
Jul-06	1274.76
Aug-06	207.37
Sep-06	887.83
Oct-06	726.43
Nov-06	1097.21
Dec-06	172.09
Jan-07	372.19
Feb-07	365.63
Mar-07	161.47
Apr-07	424.42


Culpeper Hg Deposition
HgDep (ng/m2)
3000
2500
2000
1500
1000
500
0
Dec-04
Jan-05
Feb-05
Mar-05
Apr-05
May-05
Jun-05
Jul-05
Aug-05
Sep-05
Oct-05
Nov-05
Dec-05
Jan-06
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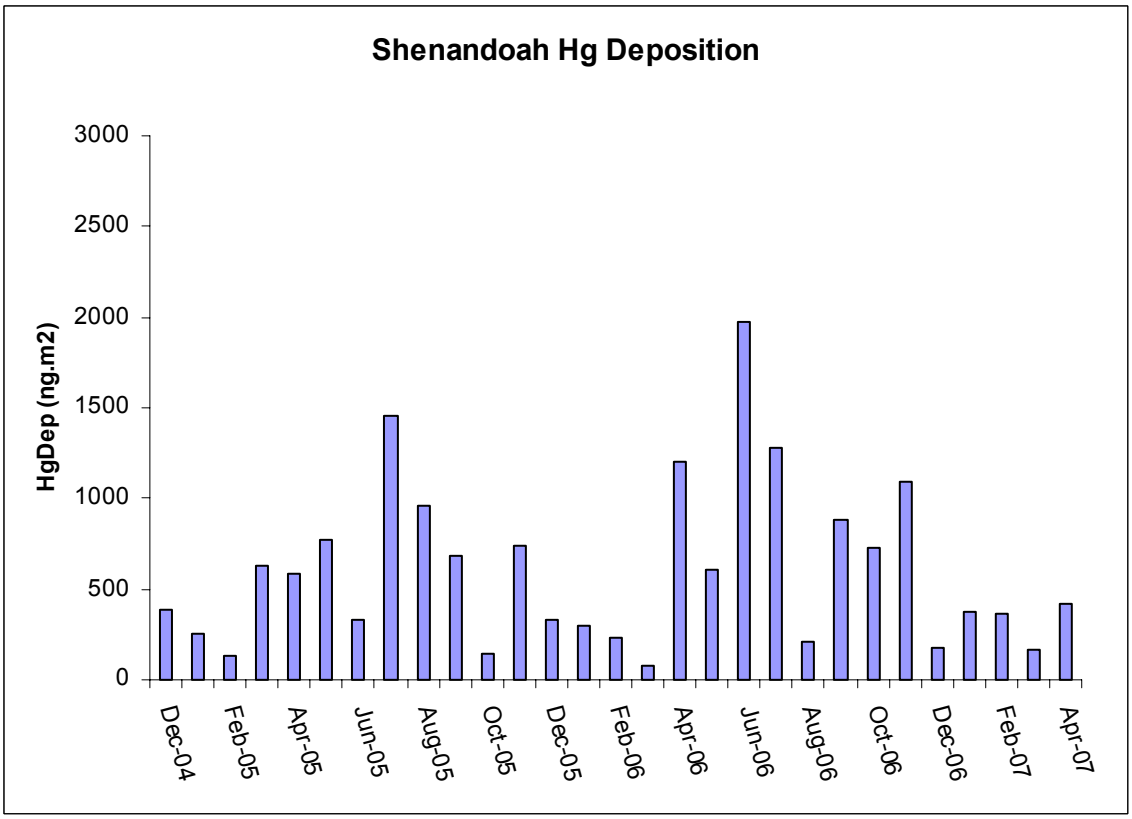
Sep-06
Oct-06
Nov-06
Dec-06


Shenandoah Hg Deposition
HgDep (ng.m2)
3000
2500
2000
1500
1000
500
0
Dec-04
Feb-05
Apr-05
Jun-05
Aug-05
Oct-05
Dec-05
Feb-06
Apr-06
Jun-06
Aug-06
Oct-06
Dec-06
Feb-07
Apr-07

Attachment B: Shenandoah NP Hg data from MDN 10 2 2007												
SITEID	DATEON	DATEOFF	RGPPT	SVOL	SUBPPT	HGCONC	HGDEP	SAMPLETYPE	QR	NOTES	YRMONTH	DATEMOD
VA28	11/30/2004 14:55	12/7/2004 14:58	21.59	238.9	21.59	7.51	162.22	W	B	dh	200412	7/22/2005
VA28	12/7/2004 15:03	12/14/2004 15:45	27.94	342.6	27.94	4.32	120.84	W	B	z	200412	7/22/2005
VA28	12/14/2004 15:48	12/21/2004 16:00	2.54	17.1	2.54	10.44	26.52	W	B	z	200412	7/22/2005
VA28	12/21/2004 16:05	12/28/2004 14:50	33.02	419.5	33.02	2.47	81.65	W	B	d	200412	7/22/2005
VA28	12/28/2004 14:55	1/4/2005 17:00	0	0	0			D	B	m	200501	12/7/2005
VA28	1/4/2005 17:00	1/11/2005 20:05	6.35	67.8	6.35	6.5	41.28	W	B	h	200501	8/31/2006
VA28	1/11/2005 20:05	1/18/2005 15:30	55.88	668.9	55.88	3.21	179.37	W	B	d	200501	8/31/2006
VA28	1/18/2005 15:35	1/25/2005 17:35	5.08	32.9	5.08	5.73	29.11	W	B	d	200501	12/7/2005
VA28	1/25/2005 17:40	2/1/2005 14:54	5.08	44.4	5.08	1.99	10.11	W	B	m	200501	8/31/2006
VA28	2/1/2005 15:05	2/8/2005 16:20	3.81	54.6	3.81	3.95	15.05	W	B	dm	200502	8/31/2006
VA28	2/8/2005 16:26	2/15/2005 16:00	12.7	126.6	12.7	5.51	69.98	W	B	d	200502	8/31/2006
VA28	2/15/2005 16:10	2/22/2005 16:10	12.7	167	12.7	3.06	38.86	W	A		200502	8/31/2006
VA28	2/22/2005 16:15	3/1/2005 17:58	35.56	192.2	35.56	4.32	153.62	W	B	d	200502	8/31/2006
VA28	3/1/2005 18:05	3/8/2005 15:50	29.97	232	29.97	4.24	127.08	W	B	m	200503	8/31/2006
VA28	3/8/2005 15:55	3/15/2005 17:10	7.11	72.4	7.11	7.46	53.06	W	B	d	200503	8/31/2006
VA28	3/15/2005 17:15	3/22/2005 16:15	-7	0	0.13			T	A		200503	12/7/2005
VA28	3/22/2005 18:10	3/29/2005 16:35	68.58	807	68.58	4.23	290.09	W	B	dz	200503	12/7/2005
VA28	3/29/2005 16:40	4/5/2005 19:04	41.91	519.2	41.91	5.24	219.61	W	B	d	200504	8/31/2006
VA28	4/5/2005 19:04	4/12/2005 16:24	7.62	93.4	7.62	7.35	56.01	W	A		200504	8/31/2006
VA28	4/12/2005 16:30	4/19/2005 16:19	-7	3.9	0.13	21.32		T	B	i	200504	8/31/2006
VA28	4/19/2005 16:25	4/26/2005 17:05	30.48	373.3	30.48	10.29	313.64	W	B	d	200504	8/31/2006
VA28	4/26/2005 17:12	5/3/2005 16:40	23.37	281.7	23.37	12.55	293.27	W	A		200504	8/31/2006
VA28	5/3/2005 16:40	5/10/2005 15:30	-7	2.9	0.13			T	B	i	200505	4/23/2006
VA28	5/10/2005 15:35	5/17/2005 16:05	5.08	84.8	5.08	12.41	63.04	W	B	d	200505	8/31/2006
VA28	5/17/2005 16:15	5/24/2005 15:30	44.7	563.8	44.7	7.54	337.07	W	B	d	200505	8/31/2006
VA28	5/24/2005 15:40	5/31/2005 17:48	10.16	118.1	10.16	8.09	82.19	W	B	d	200505	8/31/2006
VA28	5/31/2005 17:55	6/7/2005 15:15	38.61	489.9	38.61	3.96	152.89	W	B	d	200506	8/31/2006
VA28	6/7/2005 15:20	6/14/2005 17:03	7.62	96.5	7.62	15.08	114.91	W	B	d	200506	8/31/2006
VA28	6/14/2005 17:12	6/21/2005 16:50	5.59	73.8	5.59	11.71	65.44	W	B	d	200506	8/31/2006
VA28	6/21/2005 16:58	6/28/2005 16:40	-7	0	0.13			T	B	dm	200506	4/23/2006
VA28	6/28/2005 16:45	7/5/2005 16:35	10.16	137.2	10.16	25.3	257.05	W	B	d	200507	8/31/2006
VA28	7/5/2005 17:05	7/12/2005 16:15	131.57	1595.4	131.57	3.6	473.66	W	B	d	200507	8/31/2006
VA28	7/12/2005 16:20	7/19/2005 14:30	43.69	564.5	43.69	10.6	463.09	W	B	d	200507	8/31/2006
VA28	7/19/2005 14:43	7/26/2005 15:50	26.67	342.3	26.67	9.7	258.7	W	A		200507	8/31/2006
VA28	7/26/2005 16:32	8/2/2005 16:05	20.83	270.6	20.83	15.8	329.08	W	B	dm	200507	4/27/2006
VA28	8/2/2005 16:05	8/9/2005 16:15	16.51	190.7	16.51	14.9	246	W	B	m	200508	8/31/2006
VA28	8/9/2005 16:22	8/16/2005 18:10	34.8	408.7	34.8	5.6	194.87	W	B	dm	200508	8/31/2006
VA28	8/16/2005 18:15	8/23/2005 17:25	5.59	77.9	5.59	17.3	96.67	W	A		200508	4/27/2006
VA28	8/23/2005 17:30	8/30/2005 15:10	11.43	133.2	11.43	8.3	94.87	W	B	d	200508	8/31/2006
VA28	8/30/2005 15:20	9/6/2005 17:48	53.34	642.8	53.34	3.4	181.36	W	B	d	200509	8/31/2006
VA28	9/6/2005 17:55	9/13/2005 16:25	0	0	0			D	B	d	200509	4/27/2006

VA28	9/13/2005 16:35	9/20/2005 16:52	38.1	475	38.1	6.4	243.84	W	B	d	200509	4/27/2006
VA28	9/20/2005 17:00	9/27/2005 17:10	22.86	267.9	22.86	11.3	258.32	W	B	d	200509	8/31/2006
VA28	9/27/2005 17:15	10/4/2005 16:01	-7	2.2	0.13			T	B	di	200510	8/31/2006
VA28	10/4/2005 16:08	10/11/2005 17:05	165.35	2148.5	165.35			W	C	dmhu	200510	8/31/2006
VA28	10/11/2005 17:15	10/18/2005 16:15	3.3	33.6	3.3	2.27	7.5	W	A		200510	8/31/2006
VA28	10/18/2005 16:21	10/25/2005 16:20	-9	521.6	43.47	3.2	139.09	W	B	d	200510	8/31/2006
VA28	10/25/2005 17:05	11/1/2005 15:15	11.43	84.9	11.43			W	C	u	200511	8/31/2006
VA28	11/1/2005 15:20	11/8/2005 14:50	0.25	0.4	0.25			W	A		200511	8/31/2006
VA28	11/8/2005 14:50	11/15/2005 17:25	6.35	89.2	6.35	6.52	41.4	W	B	d	200511	8/31/2006
VA28	11/15/2005 17:35	11/22/2005 16:00	58.42	725.5	58.42	3.17	185.19	W	B	d	200511	8/31/2006
VA28	11/22/2005 16:10	11/29/2005 15:20	120.14	1402.7	120.14	4.23	508.2	W	B	dmz	200511	8/31/2006
VA28	11/29/2005 15:25	12/6/2005 18:50	75.44	927	75.44	3.14	236.88	W	B	d	200512	8/31/2006
VA28	12/6/2005 18:57	12/13/2005 18:30	18.29	187.2	18.29	0.77	14.08	W	B	dz	200512	5/22/2006
VA28	12/13/2005 18:37	12/20/2005 15:58	-9	323.4	26.95	1.52	40.96	W	B	dm	200512	8/31/2006
VA28	12/20/2005 16:05	12/27/2005 17:50	9.4	111.4	9.4	3.77	35.43	W	A		200512	8/31/2006
VA28	12/27/2005 17:55	1/3/2006 17:34	8.64	107.9	8.64	7.22	62.39	W	B	d	200512	12/20/2006
VA28	1/3/2006 17:40	1/10/2006 17:00	0	0	0			D	A		200601	12/20/2006
VA28	1/10/2006 17:06	1/17/2006 18:15	50.04	517.8	50.04	4.68	234.18	W	B	dz	200601	12/20/2006
VA28	1/17/2006 18:21	1/24/2006 16:40	-9	576.4	48.11			W	C	dmzu	200601	12/20/2006
VA28	1/24/2006 17:00	1/31/2006 15:55	9.65	99.6	9.65			W	C	dmzb	200601	12/20/2006
VA28	1/31/2006 16:10	2/7/2006 18:00	27.94	341.1	27.94			W	C	dmzu	200602	12/20/2006
VA28	2/7/2006 18:10	2/14/2006 18:20	31.24	275	31.24	7.32	228.69	W	B	d	200602	12/20/2006
VA28	2/14/2006 18:30	2/21/2006 17:45	0	0	0			D	A		200602	12/20/2006
VA28	2/21/2006 17:50	2/28/2006 16:35	6.35	65.1	6.35			W	A		200602	12/20/2006
VA28	2/28/2006 16:40	3/7/2006 19:20	3.81	33.4	3.81	4.12	15.7	W	A		200603	12/20/2006
VA28	3/7/2006 19:30	3/14/2006 19:20	8.64	90.7	8.64	5.18	44.73	W	B	d	200603	12/20/2006
VA28	3/14/2006 19:28	3/21/2006 16:25	1.27	0.3	1.27			W	C	zv	200603	12/20/2006
VA28	3/21/2006 16:30	3/28/2006 14:45	0.76	3.3	0.76	17.68	13.47	W	B	i	200603	12/20/2006
VA28	3/28/2006 14:55	4/4/2006 16:45	10.67	101.4	10.67	10.57	112.76	W	B	dz	200604	6/20/2007
VA28	4/4/2006 16:50	4/11/2006 18:18	26.16	292.2	26.16	17.02	445.28	W	B	dz	200604	6/20/2007
VA28	4/11/2006 18:25	4/18/2006 16:10	37.34	471.5	37.34	12.39	462.62	W	B	d	200604	6/20/2007
VA28	4/18/2006 16:15	4/25/2006 17:50	26.92	299.2	26.92	6.61	177.97	W	A		200604	6/20/2007
VA28	4/25/2006 18:01	5/2/2006 15:40	4.57	55.1	4.57	40.19	183.75	W	B	d	200604	6/20/2007
VA28	5/2/2006 15:50	5/9/2006 15:30	12.7	118.4	12.7	12.2	154.94	W	B	d	200605	6/20/2007
VA28	5/9/2006 15:35	5/16/2006 17:00	50.04	613	50.04	4.59	229.67	W	B	d	200605	6/20/2007
VA28	5/16/2006 17:15	5/23/2006 15:30	0	0	0			D	A		200605	6/20/2007
VA28	5/23/2006 15:45	5/30/2006 15:45	2.54	30.2	2.54	13.08	33.22	W	B	d	200605	6/20/2007
VA28	5/30/2006 16:20	6/6/2006 16:25	33.27	388.7	33.27	16.5	549.02	W	B	dz	200606	6/20/2007
VA28	6/6/2006 16:30	6/13/2006 17:55	20.32	230.8	20.32	6.53	132.69	W	B	d	200606	6/20/2007
VA28	6/13/2006 18:00	6/20/2006 16:40	0.76	0.1	0.76			W	C	dv	200606	6/26/2007
VA28	6/20/2006 16:45	6/27/2006 13:38	111.25	1343.4	111.25	11.6	1290.52	W	B	d	200606	6/27/2007
VA28	6/27/2006 13:43	7/4/2006 17:20	60.96	739.4	60.96	4.15	252.98	W	A		200607	6/20/2007
VA28	7/4/2006 17:30	7/11/2006 16:15	63.5	782.7	63.5	1.91	121.29	W	B	d	200607	6/20/2007

VA28	7/11/2006 16:25	7/18/2006 17:15	34.8	429.2	34.8	5.27	183.39	W	B	d	200607	6/20/2007
VA28	7/18/2006 17:30	7/25/2006 17:15	55.12	705.9	55.12	17.6	970.08	W	B	d	200607	6/20/2007
VA28	7/25/2006 17:18	8/1/2006 14:55	0.51	1.1	0.51			W	C	v	200607	6/20/2007
VA28	8/1/2006 14:56	8/8/2006 15:30	0	0	0			D	B	m	200608	6/20/2007
VA28	8/8/2006 15:35	8/15/2006 16:25	3.56	4	3.56			W	C	iv	200608	6/20/2007
VA28	8/15/2006 16:30	8/22/2006 18:40	0	0	0			D	A		200608	6/20/2007
VA28	8/22/2006 18:45	8/29/2006 14:40	13.21	140	13.21	15.7	207.37	W	B	d	200608	6/20/2007
VA28	8/29/2006 14:45	9/5/2006 16:00	218.44	2522.9	218.44	3.8	830.07	W	B	d	200609	6/20/2007
VA28	9/5/2006 16:05	9/12/2006 16:35	2.54	0	2.54			W	C	dmv	200609	6/20/2007
VA28	9/12/2006 16:40	9/19/2006 15:22	21.08	213.8	21.08	2.74	57.76	W	A		200609	6/20/2007
VA28	9/19/2006 15:28	9/26/2006 15:35	1.52	0	1.52			W	C	dv	200609	6/20/2007
VA28	9/26/2006 15:40	10/3/2006 15:40	25.91	309.6	25.91	6.7	173.58	W	B	dz	200609	6/20/2007
VA28	10/3/2006 15:45	10/10/2006 16:50	109.47	1347.4	109.47	2.41	263.83	W	B	dzh	200610	6/20/2007
VA28	10/10/2006 16:56	10/17/2006 16:30	17.78	180.4	17.78	10.39	184.73	W	B	d	200610	6/20/2007
VA28	10/17/2006 16:38	10/24/2006 15:05	7.11	77.5	7.11	9.71	69.06	W	B	d	200610	6/20/2007
VA28	10/24/2006 15:10	10/31/2006 16:30	24.13	246.6	24.13	1.46	35.23	W	B	dz	200610	6/20/2007
VA28	10/31/2006 17:15	11/7/2006 16:18	15.24	191.8	15.24	17.05	259.84	W	A		200611	6/20/2007
VA28	11/7/2006 16:23	11/14/2006 18:35	108.2	1366.8	108.2	4.91	531.28	W	B	d	200611	6/20/2007
VA28	11/14/2006 18:42	11/21/2006 15:53	67.06	800.7	67.06	3.15	211.23	W	B	d	200611	6/20/2007
VA28	11/21/2006 15:58	11/28/2006 18:00	66.8	843.8	66.8	1.42	94.86	W	B	m	200611	6/20/2007
VA28	11/28/2006 18:05	12/5/2006 16:15	1.52	0	1.52			W	C	v	200612	6/20/2007
VA28	12/5/2006 16:20	12/12/2006 15:45	0	0	0			D	A		200612	6/20/2007
VA28	12/12/2006 15:55	12/19/2006 17:25	2.03	16.5	2.03	11.09	22.53	W	A		200612	6/20/2007
VA28	12/19/2006 17:30	12/27/2006 20:30	40.64	432.1	40.64	3.68	149.56	W	B	d	200612	6/20/2007
VA28	12/27/2006 20:32	1/2/2007 21:56	24.13	259.8	24.13	2.42	58.39	W	B	d	200612	6/20/2007
VA28	1/2/2007 22:00	1/9/2007 17:35	37.08	413.4	37.08	6.66	247.27	W	B	h	200701	6/20/2007
VA28	1/9/2007 17:40	1/16/2007 17:20	1.52	12.8	1.52	22.02	33.56	W	A		200701	6/20/2007
VA28	1/16/2007 17:25	1/23/2007 15:40	-9	83.3	6.95	1.87	13.01	W	B	dm	200701	6/20/2007
VA28	1/23/2007 15:45	1/30/2007 15:50	1.27	2.4	1.27	15.71	19.96	W	B	i	200701	6/20/2007
VA28	1/30/2007 15:55	2/6/2007 17:50	2.79	25.7	2.79	4.99	13.96	W	A		200702	3/8/2007
VA28	2/6/2007 17:55	2/20/2007 16:50	-9	626.2	52.27	2.8	146.49	W	B	edm	200702	3/8/2007
VA28	2/20/2007 16:55	2/27/2007 16:40	36.83	426.3	36.83	5.57	205.18	W	B	d	200702	3/8/2007
VA28	2/27/2007 16:48	3/6/2007 16:48	19.56	199.6	19.56	7.2	140.95	W	B	d	200703	3/8/2007
VA28	3/6/2007 16:55	3/13/2007 16:11	3.3	35.1	3.3	6.21	20.52	W	A		200703	3/8/2007
VA28	3/13/2007 16:11	3/20/2007 15:45	55.37	676.6	55.37			W	C	zu	200703	3/8/2007
VA28	3/20/2007 15:47	3/27/2007 16:30	3.56	44.9	3.56			W	C	dmzb	200703	3/8/2007
VA28	3/27/2007 17:10	4/3/2007 16:05	5.59	70.8	5.59	9.43	52.74	W	B	d	200703	3/8/2007
VA28	4/3/2007 16:10	4/10/2007 16:10	9.91	85.3	9.91	11.54	114.36	W	A		200704	3/8/2007
VA28	4/10/2007 16:10	4/17/2007 16:45	54.61	606	54.61	4.71	257.32	W	B	dzh	200704	3/8/2007
					average	8.137053	188.4801					
					max	40.19	1290.52					
					min	0.77	7.5					
					n	95	94					

APPENDIX C

Raw Hg Deposition and Load Data from Acadia National Park, Maine and Everglades National Park, Florida

December 2004 to April 2007

Mercury Deposition at Three East Coast USA Sites

ME98 (Acadia NP, ME)

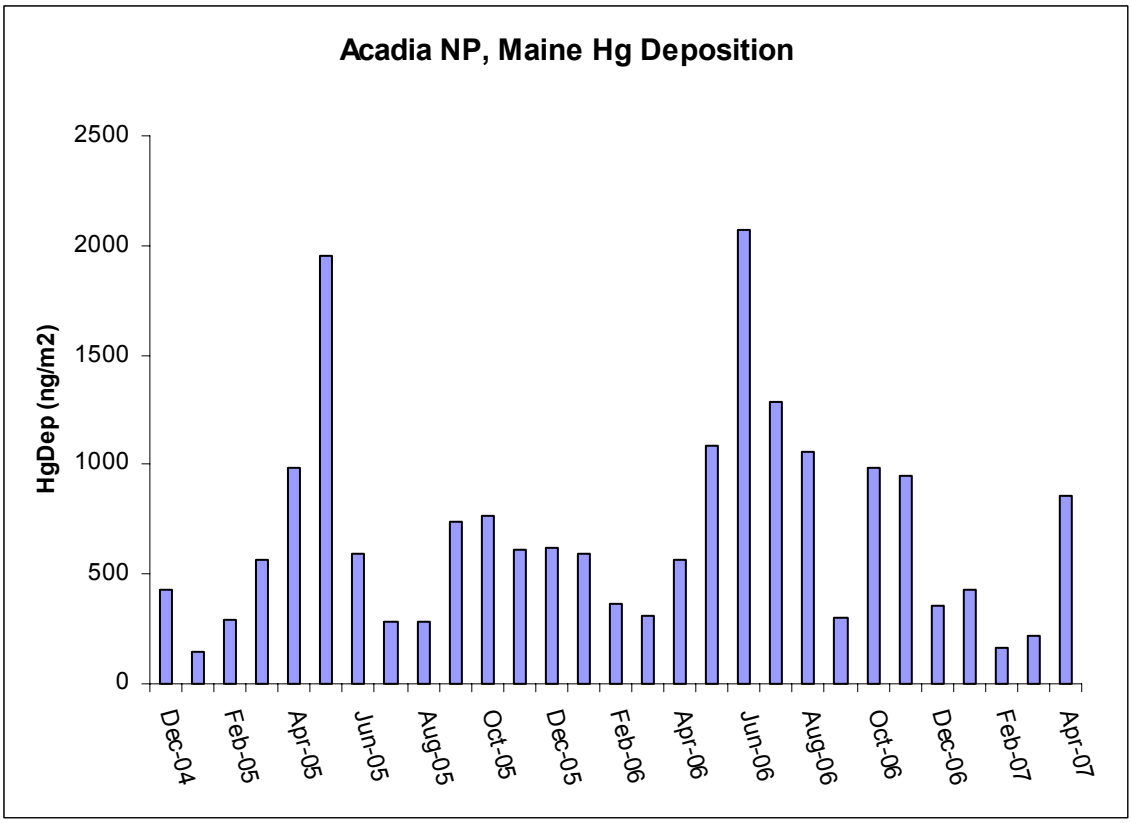
Month	HgDep (ng/m^2)
Dec-04	431.13
Jan-05	148.82
Feb-05	291.06
Mar-05	563.1
Apr-05	983.87
May-05	1954.12
Jun-05	589.5
Jul-05	287.04
Aug-05	281.46
Sep-05	740.13
Oct-05	770.37
Nov-05	614.88
Dec-05	618.48
Jan-06	594.93
Feb-06	369.18
Mar-06	311.76
Apr-06	565.95
May-06	1085.93
Jun-06	2070.48
Jul-06	1285.49
Aug-06	1055.38
Sep-06	303.95
Oct-06	982.37
Nov-06	952.79
Dec-06	353.16
Jan-07	430.87
Feb-07	164.65
Mar-07	222.7
Apr-07	861.43

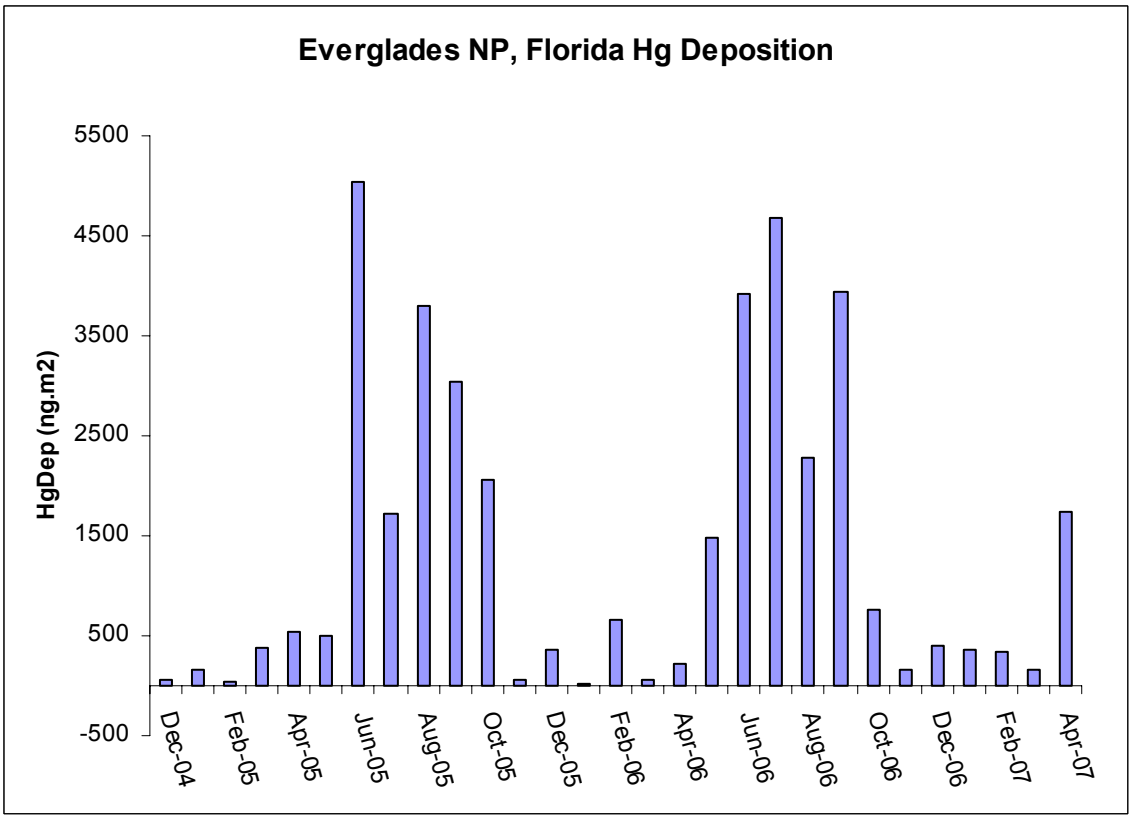
VA98 (Harcum, VA)

Month	HgDep (ng/m^2)
Dec-04	69
Jan-05	257.71
Feb-05	305.22
Mar-05	1387.9
Apr-05	528.07
May-05	897.13
Jun-05	407.07
Jul-05	2156.9
Aug-05	751.72
Sep-05	
Oct-05	309.7
Nov-05	463.21
Dec-05	530.59
Jan-06	565.44
Feb-06	180.76
Mar-06	152.56
Apr-06	857.85
May-06	1027.73
Jun-06	1305.75
Jul-06	1424.49
Aug-06	715.06
Sep-06	937.7
Oct-06	109.98
Nov-06	581.61
Dec-06	278.89
Jan-07	374.35
Feb-07	499.14
Mar-07	270.99
Apr-07	332.54
May-07	736.09
Jun-07	552.65

FL11 (Everglades NP, FL)

Month	HgDep (ng/m^2)
Dec-04	52.03
Jan-05	169.74
Feb-05	46.06
Mar-05	371.68
Apr-05	532.68
May-05	498.09
Jun-05	5047.31
Jul-05	1718.29
Aug-05	3793.04
Sep-05	3036.94
Oct-05	2055.61
Nov-05	50.14
Dec-05	350.36
Jan-06	18.91
Feb-06	658.79
Mar-06	57.43
Apr-06	223.7
May-06	1476.88
Jun-06	3914.29
Jul-06	4685.45
Aug-06	2274.03
Sep-06	3949.71
Oct-06	760.14
Nov-06	157.28
Dec-06	393.67
Jan-07	358.04
Feb-07	336.4
Mar-07	152.33
Apr-07	1737.71


Acadia NP, Maine Hg Deposition
HgDep (ng/m2)
2500
2000
1500
1000
500
0
Dec-04
Feb-05
Apr-05
Jun-05
Aug-05
Oct-05
Dec-05
Feb-06
Apr-06
Jun-06
Aug-06
Oct-06
Dec-06
Feb-07
Apr-07


Everglades NP, Florida Hg Deposition
HgDep (ng.m2)
5500
4500
3500
2500
1500
500
-500
Dec-04
Feb-05
Apr-05
Jun-05
Aug-05
Oct-05
Dec-05
Feb-06
Apr-06
Jun-06
Aug-06
Oct-06
Dec-06
Feb-07
Apr-07

Attachment C: Acadia NP, Maine Hg from MDN 10 2 2007												
SITEID	DATEON	DATEOFF	RGPPT	SVOL	SUBPPT	HGCONC	HGDEP	SAMPLETYPE	QR	NOTES	YRMONTH	DATEMOD
ME98	11/30/2004 15:43	12/7/2004 16:52	43.43	375.5	43.43	2.54	110.41	W	B	dh	200412	1/3/2006
ME98	12/7/2004 16:57	12/14/2004 15:25	65.02	426.6	65.02	2.19	142.08	W	A		200412	1/3/2006
ME98	12/14/2004 15:30	12/21/2004 15:17	4.06	25.7	4.06	24.27	98.61	W	B	i	200412	1/3/2006
ME98	12/21/2004 15:50	12/28/2004 16:23	41.15	270.9	41.15	1.95	80.03	W	B	mz	200412	1/3/2006
ME98	12/28/2004 16:23	1/4/2005 15:01	15.49	166.7	15.49	4.46	69.1	W	B	m	200501	8/31/2006
ME98	1/4/2005 15:07	1/11/2005 16:14	-9	173.3	14.44	2.4	34.66	W	B	m	200501	8/31/2006
ME98	1/11/2005 16:14	1/18/2005 16:00	-9	0	0			D	B	m	200501	12/7/2005
ME98	1/18/2005 16:00	1/25/2005 16:55	18.54	63.5	18.54	2.43	45.06	W	B	h	200501	8/31/2006
ME98	1/25/2005 16:55	2/1/2005 16:49	6.6	0	6.6			W	C	mv	200501	12/7/2005
ME98	2/1/2005 16:52	2/8/2005 15:08	3.81	22	3.81	8.32	31.7	W	A		200502	12/7/2005
ME98	2/8/2005 15:15	2/15/2005 15:30	63.5	398.1	63.5	2.36	149.86	W	A		200502	12/7/2005
ME98	2/15/2005 15:35	2/22/2005 15:03	17.27	153.9	17.27	6.34	109.5	W	B	mh	200502	8/31/2006
ME98	2/22/2005 15:08	3/2/2005 15:30	10.67	40.9	10.67	3.57	38.08	W	B	zh	200502	8/31/2006
ME98	3/2/2005 15:36	3/8/2005 16:33	1.27	0	1.27			W	C	hv	200503	12/7/2005
ME98	3/8/2005 16:36	3/15/2005 15:18	125.73	1238.3	125.73	2.03	255.23	W	A		200503	8/31/2006
ME98	3/15/2005 15:24	3/22/2005 16:20	1.27	0	1.27			W	C	v	200503	12/7/2005
ME98	3/22/2005 16:24	3/29/2005 18:21	96.01	954.6	96.01	2.81	269.79	W	A		200503	8/31/2006
ME98	3/29/2005 18:27	4/5/2005 15:25	76.96	685.7	76.96	6.3	484.86	W	B	m	200504	8/31/2006
ME98	4/5/2005 15:29	4/12/2005 15:30	6.35	30.3	6.35	16.32	103.63	W	B	m	200504	8/31/2006
ME98	4/12/2005 15:38	4/19/2005 14:23	2.54	0	2.54			W	C	v	200504	4/23/2006
ME98	4/19/2005 14:30	4/26/2005 15:28	91.95	870.3	91.95	4.3	395.38	W	B	dmh	200504	8/31/2006
ME98	4/26/2005 15:33	5/3/2005 16:35	182.88	1890	182.88	4.43	810.16	W	B	d	200504	8/31/2006
ME98	5/3/2005 16:42	5/10/2005 14:37	74.93	499.5	74.93	2.37	177.58	W	B	h	200505	8/31/2006
ME98	5/10/2005 14:44	5/17/2005 16:50	16.51	113.3	16.51	8.52	140.67	W	B	d	200505	8/31/2006
ME98	5/17/2005 16:54	5/24/2005 15:40	97.03	734.9	97.03	3.39	328.92	W	B	d	200505	8/31/2006
ME98	5/24/2005 15:46	5/31/2005 16:00	194.82	1684.4	194.82	2.55	496.79	W	B	m	200505	8/31/2006
ME98	5/31/2005 16:04	6/7/2005 14:27	3.56	0	3.56			W	C	mv	200506	4/23/2006
ME98	6/7/2005 14:31	6/14/2005 15:45	2.03	9.8	2.03	24.9	50.6	W	B	i	200506	4/23/2006
ME98	6/14/2005 15:50	6/21/2005 16:05	40.13	606	40.13	10.43	418.58	W	A		200506	8/31/2006
ME98	6/21/2005 16:32	6/28/2005 16:45	3.81	28.6	3.81	31.58	120.32	W	B	d	200506	8/31/2006
ME98	6/28/2005 16:50	7/5/2005 15:05	2.79	15.8	2.79	13	36.32	W	B	mz	200507	8/31/2006
ME98	7/5/2005 15:09	7/12/2005 16:43	16.51	215.9	16.51	6.2	102.36	W	B	d	200507	4/27/2006
ME98	7/12/2005 16:46	7/19/2005 14:21	-7	0	0.13			T	B	dm	200507	8/31/2006
ME98	7/19/2005 14:24	7/26/2005 13:55	8.38	100.4	8.38	17.7	148.36	W	B	dm	200507	8/31/2006
ME98	7/26/2005 14:01	8/2/2005 16:10	7.62	0	7.62			W	C	dmv	200507	4/27/2006
ME98	8/2/2005 16:14	8/9/2005 15:38	1.27	8.9	1.27	24.5	31.12	W	B	i	200508	8/31/2006
ME98	8/9/2005 15:47	8/16/2005 15:31	35.56	463.2	35.56			W	C	dmf	200508	4/27/2006
ME98	8/16/2005 15:37	8/23/2005 13:58	1.02	4.5	1.02			W	C	dmic	200508	8/31/2006
ME98	8/23/2005 14:04	8/30/2005 14:36	32.51	418.2	32.51	7.7	250.34	W	B	m	200508	8/31/2006

ME98	8/30/2005 14:42	9/6/2005 16:00	19.05	233.2	19.05	3.6	68.58	W	B	m	200509	4/27/2006
ME98	9/6/2005 16:09	9/13/2005 14:35	-7	0	0.13			T	B	dh	200509	8/31/2006
ME98	9/13/2005 14:40	9/20/2005 14:44	34.29	433.8	34.29	7.1	243.46	W	B	dm	200509	8/31/2006
ME98	9/20/2005 14:49	9/27/2005 14:35	26.92	313.6	26.92	15.9	428.09	W	B	d	200509	4/27/2006
ME98	9/27/2005 14:47	10/4/2005 19:22	10.16	118.7	10.16	5.64	57.3	W	B	dm	200510	8/31/2006
ME98	10/4/2005 19:22	10/11/2005 15:19	282.19	2280.8	282.19	1.95	550.28	W	B	m	200510	8/31/2006
ME98	10/11/2005 15:30	10/18/2005 18:56	45.21	582.1	45.21	1.93	87.26	W	B	d	200510	8/31/2006
ME98	10/18/2005 19:05	10/24/2005 14:22	42.67	344.1	42.67	1.77	75.53	W	B	mzh	200510	8/31/2006
ME98	10/24/2005 15:27	11/1/2005 17:07	-9	610	50.83	0.9	45.75	W	B	m	200511	8/31/2006
ME98	11/1/2005 17:12	11/8/2005 15:18	7.62	89.3	7.62	9.36	71.32	W	B	dm	200511	8/31/2006
ME98	11/8/2005 15:34	11/15/2005 15:00	38.1	350.1	38.1	3.14	119.63	W	B	dmz	200511	8/31/2006
ME98	11/15/2005 15:13	11/22/2005 19:12	-9	967.6	80.63	3.3	266.08	W	B	m	200511	8/31/2006
ME98	11/22/2005 19:17	11/29/2005 15:53	23.11	232.4	23.11	4.85	112.1	W	A		200511	8/31/2006
ME98	11/29/2005 15:58	12/6/2005 18:06	84.58	793.4	84.58	3.01	254.59	W	A		200512	5/22/2006
ME98	12/6/2005 18:15	12/13/2005 16:13	18.54	98.4	18.54	1.82	33.75	W	B	h	200512	8/31/2006
ME98	12/13/2005 16:15	12/20/2005 15:35	14.73	128	14.73	3.82	56.28	W	A		200512	8/31/2006
ME98	12/20/2005 15:39	12/27/2005 15:31	45.72	302	45.72	5.99	273.86	W	B	h	200512	8/31/2006
ME98	12/27/2005 15:36	1/3/2006 15:55	39.37	368.3	39.37	2.8	110.23	W	B	d	200512	12/20/2006
ME98	1/3/2006 15:59	1/10/2006 17:10	8.13	62.2	8.13	4.63	37.63	W	A		200601	12/20/2006
ME98	1/10/2006 17:17	1/17/2006 16:32	99.31	904.2	99.31	4.03	400.24	W	B	m	200601	12/20/2006
ME98	1/17/2006 16:39	1/24/2006 16:32	-9	25.8	2.15	11.41	24.57	W	B	m	200601	12/20/2006
ME98	1/24/2006 16:47	1/31/2006 15:26	5.84	41.5	5.84	3.81	22.26	W	B	h	200601	12/20/2006
ME98	1/31/2006 15:33	2/7/2006 16:51	78.74	763	78.74	2.87	225.98	W	A		200602	12/20/2006
ME98	2/7/2006 17:04	2/14/2006 14:49	8.38	11.6	8.38	4.96	41.57	W	B	h	200602	12/20/2006
ME98	2/14/2006 14:49	2/21/2006 12:40	6.35	43.8	6.35	9.2	58.42	W	B	mh	200602	12/20/2006
ME98	2/21/2006 12:44	2/28/2006 18:47	4.57	42.7	4.57	9.45	43.21	W	A		200602	12/20/2006
ME98	2/28/2006 18:53	3/7/2006 14:51	2.54	16.2	2.54	7.79	19.79	W	A		200603	12/20/2006
ME98	3/7/2006 14:56	3/14/2006 12:52	22.35	229.9	22.35	9.64	215.47	W	A		200603	12/20/2006
ME98	3/14/2006 12:54	3/21/2006 16:05	8.89	100.3	8.89	6.77	60.19	W	B	h	200603	12/20/2006
ME98	3/21/2006 16:10	3/28/2006 15:08	0.76	3	0.76	21.4	16.31	W	B	i	200603	12/20/2006
ME98	3/28/2006 15:13	4/4/2006 16:42	2.54	27.4	2.54	8.85	22.48	W	B	h	200604	6/20/2007
ME98	4/4/2006 16:46	4/11/2006 15:51	46.23	414.7	46.23	5.76	266.27	W	A		200604	6/20/2007
ME98	4/11/2006 15:57	4/18/2006 15:39	16	126.2	16	6.47	103.53	W	A		200604	6/20/2007
ME98	4/18/2006 15:43	4/25/2006 18:27	18.03	171.3	18.03	9.63	173.67	W	A		200604	6/20/2007
ME98	4/25/2006 18:27	5/2/2006 17:11	44.45	322.3	44.45	5.73	254.7	W	A		200604	6/27/2007
ME98	5/2/2006 17:15	5/9/2006 12:23	3.81	0	3.81			W	C	v	200605	6/20/2007
ME98	5/9/2006 12:26	5/16/2006 19:02	130.81	1124.8	130.81	5.08	664.51	W	A		200605	6/20/2007
ME98	5/16/2006 19:07	5/23/2006 13:29	29.72	282.3	29.72	5.61	166.72	W	B	d	200605	6/20/2007
ME98	5/23/2006 13:41	5/30/2006 17:04	-7	0	0.13			T	A		200605	6/20/2007
ME98	5/30/2006 17:08	6/6/2006 18:40	109.22	957.8	109.22	4.9	535.18	W	A		200606	6/20/2007
ME98	6/6/2006 18:43	6/13/2006 17:06	153.92	1421.1	153.92	7.71	1186.75	W	B	d	200606	6/27/2007

ME98	6/13/2006 17:11	6/20/2006 19:02	4.57	77.6	4.57	11.1	50.75	W	B	d	200606	6/28/2007
ME98	6/20/2006 19:05	6/27/2006 18:56	33.27	406.1	33.27	8.95	297.8	W	B	d	200606	6/20/2007
ME98	6/27/2006 18:59	7/5/2006 14:00	27.43	316.8	27.43	12.13	332.75	W	B	d	200607	6/20/2007
ME98	7/5/2006 14:04	7/11/2006 15:57	0	0	0			D	B	d	200607	6/20/2007
ME98	7/11/2006 16:00	7/18/2006 16:07	56.9	610.7	56.9	3.32	188.89	W	A		200607	6/20/2007
ME98	7/18/2006 16:11	7/25/2006 16:59	73.66	926.9	73.66	10.37	763.85	W	B	d	200607	6/20/2007
ME98	7/25/2006 17:03	8/1/2006 19:01	31.75	411.9	31.75	8.44	267.97	W	B	d	200607	6/20/2007
ME98	8/1/2006 19:08	8/8/2006 16:27	2.79	28.1	2.79	9.29	25.96	W	B	d	200608	6/20/2007
ME98	8/8/2006 16:30	8/15/2006 15:09	20.07	217.4	20.07	14.62	293.36	W	B	d	200608	6/20/2007
ME98	8/15/2006 15:13	8/22/2006 20:16	35.81	513.2	35.81	13.07	468.09	W	A		200608	6/20/2007
ME98	8/22/2006 20:41	8/29/2006 15:08	7.11	68.9	7.11			W	C	dmu	200608	6/20/2007
ME98	8/29/2006 15:11	9/5/2006 15:40	30.48	348.9	30.48	2.38	72.54	W	A		200609	6/20/2007
ME98	9/5/2006 15:45	9/12/2006 16:15	6.35	74.2	6.35	8.83	56.07	W	B	m	200609	6/20/2007
ME98	9/12/2006 16:19	9/19/2006 18:39	0	0	0			D	A		200609	6/20/2007
ME98	9/19/2006 18:43	9/26/2006 17:18	22.86	281.8	22.86	7.67	175.34	W	A		200609	6/20/2007
ME98	9/26/2006 17:20	10/3/2006 18:06	20.32	273	20.32	7.95	161.54	W	B	d	200609	6/20/2007
ME98	10/3/2006 18:09	10/10/2006 18:31	7.62	116.3	7.62	3.15	24	W	A		200610	6/20/2007
ME98	10/10/2006 18:36	10/17/2006 19:19	36.83	386.7	36.83	6.26	230.56	W	B	zh	200610	6/20/2007
ME98	10/17/2006 19:23	10/24/2006 14:27	90.17	868.5	90.17	5.11	460.77	W	A		200610	6/20/2007
ME98	10/24/2006 14:30	10/31/2006 17:59	49.53	376.9	49.53	2.13	105.5	W	A		200610	6/20/2007
ME98	10/31/2006 18:07	11/7/2006 17:52	8.38	113.9	8.38	7.7	64.54	W	B	d	200611	6/20/2007
ME98	11/7/2006 18:07	11/14/2006 19:25	159.26	1482.9	159.26	4.62	735.77	W	B	m	200611	6/20/2007
ME98	11/14/2006 19:30	11/21/2006 17:45	33.78	279.9	33.78	3.69	124.66	W	A		200611	6/20/2007
ME98	11/21/2006 17:49	11/28/2006 16:16	11.94	77	11.94	2.33	27.82	W	A		200611	6/20/2007
ME98	11/28/2006 16:25	12/5/2006 15:30	31.24	330.7	31.24	5.22	163.08	W	A		200612	6/20/2007
ME98	12/5/2006 15:36	12/12/2006 14:26	8.38	65.7	8.38	4.17	34.95	W	A		200612	6/20/2007
ME98	12/12/2006 14:32	12/20/2006 16:04	-9	95	7.93	5.47	43.37	W	B	mh	200612	6/20/2007
ME98	12/20/2006 16:06	12/26/2006 15:11	50.8	557.5	50.8	2.2	111.76	W	B	h	200612	6/20/2007
ME98	12/26/2006 15:14	1/2/2007 14:52	49.53	460.3	49.53	3.03	150.08	W	A		200612	6/20/2007
ME98	1/2/2007 14:56	1/9/2007 17:20	36.83	365.5	36.83	5.43	200.2	W	A		200701	6/20/2007
ME98	1/9/2007 17:26	1/16/2007 16:40	3.81	36.7	3.81	3.5	13.33	W	B	z	200701	6/20/2007
ME98	1/16/2007 16:46	1/23/2007 15:56	28.96	370.4	28.96	2.32	67.26	W	A		200701	6/20/2007
ME98	1/23/2007 16:01	1/30/2007 16:02	-7	0	0.13			T	A		200701	6/20/2007
ME98	1/30/2007 16:06	2/6/2007 14:51	5.08	61	5.08	3.63	18.46	W	B	h	200702	3/8/2007
ME98	2/6/2007 14:56	2/13/2007 15:49	0	0	0			D	B	h	200702	3/8/2007
ME98	2/13/2007 15:54	2/20/2007 15:34	62.74	391.6	62.74	2.15	135.01	W	B	h	200702	3/8/2007
ME98	2/20/2007 15:40	2/27/2007 18:53	0.76	4	0.76	14.67	11.18	W	B	i	200702	3/8/2007
ME98	2/27/2007 18:58	3/6/2007 16:23	30.48	88.6	30.48	4.03	122.92	W	A		200703	3/8/2007
ME98	3/6/2007 16:29	3/13/2007 16:42	13.97	172.2	13.97	4.64	64.82	W	A		200703	3/8/2007
ME98	3/13/2007 16:52	3/20/2007 16:41	75.69	411	75.69			W	C	df	200703	3/8/2007
ME98	3/20/2007 16:50	3/27/2007 16:10	4.06	22.8	4.06	8.6	34.96	W	B	h	200703	3/8/2007

ME98	3/27/2007 16:15	4/3/2007 19:38	7.11	49.7	7.11	5.78	41.15	W	B	h	200703	3/8/2007
ME98	4/3/2007 19:43	4/10/2007 17:00	20.32	173.9	20.32	3.36	68.39	W	B	h	200704	3/8/2007
ME98	4/10/2007 17:06	4/17/2007 16:31	171.7	1412	171.7	4.37	751.89	W	A		200704	3/8/2007
					average	6.839238	189.3808					
					max	31.58	1186.75					
					min	0.9	11.18					
					n	105	105					

Attachment D: Everglades NP, Florida Hg data from MDN 10 2 2007												
SITEID	DATEON	DATEOFF	RGPPT	SVOL	SUBPPT	HGCONC	HGDEP	SAMPLETYPE	QR	NOTES	YRMONTH	DATEMOD
FL11	11/30/2004 15:20	12/7/2004 14:08	-7	0	0.13			T	B	d	200412	7/22/2005
FL11	12/7/2004 14:08	12/14/2004 15:23	-7	0	0.13			T	A		200412	7/22/2005
FL11	12/14/2004 15:23	12/21/2004 14:46	1.27	11.5	1.27	22.48	28.55	W	B	d	200412	7/22/2005
FL11	12/21/2004 14:46	12/28/2004 13:55	1.02	8.5	1.02	23.11	23.48	W	B	i	200412	7/22/2005
FL11	12/28/2004 13:55	1/4/2005 14:40	-7	0.5	0.13			T	A		200501	12/7/2005
FL11	1/4/2005 14:40	1/11/2005 14:10	0.51	4.6	0.51	10.93	5.55	W	B	di	200501	12/7/2005
FL11	1/11/2005 14:10	1/18/2005 14:11	11.43	139.8	11.43	8.77	100.24	W	B	d	200501	8/31/2006
FL11	1/18/2005 14:11	1/25/2005 14:28	2.03	19.1	2.03	31.47	63.95	W	B	d	200501	12/7/2005
FL11	1/25/2005 14:28	2/1/2005 14:03	3.81	43.7	3.81	8.84	33.68	W	A		200501	8/31/2006
FL11	2/1/2005 14:03	2/9/2005 13:37	0.51	3.6	0.51	24.37	12.38	W	B	i	200502	12/7/2005
FL11	2/9/2005 13:37	2/15/2005 15:34	0	0	0			D	B	d	200502	12/7/2005
FL11	2/15/2005 15:34	2/22/2005 15:15	0	0	0			D	A		200502	12/7/2005
FL11	2/22/2005 15:15	3/1/2005 13:24	4.57	57.5	4.57	14.73	67.35	W	B	d	200502	8/31/2006
FL11	3/1/2005 13:24	3/8/2005 13:56	11.43	136.6	11.43	8.04	91.9	W	A		200503	8/31/2006
FL11	3/8/2005 13:56	3/15/2005 15:13	12.7	153.5	12.7	6.03	76.58	W	B	h	200503	8/31/2006
FL11	3/15/2005 15:15	3/22/2005 14:33	29.21	361.7	29.21	3.88	113.33	W	B	dh	200503	8/31/2006
FL11	3/22/2005 14:33	3/29/2005 16:09	1.27	10	1.27	17.73	22.52	W	A		200503	12/7/2005
FL11	3/29/2005 16:09	4/5/2005 14:51	0	0	0			D	B	d	200504	4/23/2006
FL11	4/5/2005 14:51	4/12/2005 14:50	51.56	635.9	51.56	9.27	477.98	W	B	d	200504	8/31/2006
FL11	4/12/2005 14:50	4/19/2005 14:40	0	0	0			D	B	d	200504	4/23/2006
FL11	4/19/2005 14:40	4/26/2005 14:55	1.27	10.3	1.27	43.07	54.7	W	B	m	200504	4/23/2006
FL11	4/26/2005 14:55	5/3/2005 14:35	1.27	0	1.27			W	C	dhv	200504	4/23/2006
FL11	5/3/2005 14:35	5/10/2005 14:05	20.57	251	20.57	9.91	203.89	W	B	d	200505	8/31/2006
FL11	5/10/2005 14:05	5/17/2005 14:31	0	0	0			D	B	d	200505	4/23/2006
FL11	5/17/2005 14:31	5/24/2005 14:00	15.24	50.8	15.24	11.1	169.16	W	B	d	200505	8/31/2006
FL11	5/24/2005 14:00	5/31/2005 15:30	3.81	46.5	3.81	32.82	125.04	W	B	dz	200505	8/31/2006
FL11	5/31/2005 15:30	6/7/2005 15:32	58.17	692.4	58.17	15.76	916.7	W	B	dzh	200506	8/31/2006
FL11	6/7/2005 15:32	6/14/2005 13:43	67.56	812.9	67.56	2.77	187.15	W	B	d	200506	8/31/2006
FL11	6/14/2005 13:53	6/21/2005 14:25	175.01	2177.7	175.01	11.88	2079.07	W	B	dz	200506	8/31/2006
FL11	6/21/2005 14:25	6/28/2005 15:55	109.22	1283.2	109.22	17.07	1864.39	W	B	d	200506	8/31/2006
FL11	6/28/2005 15:55	7/5/2005 15:47	43.18	502.2	43.18	8.1	349.76	W	B	z	200507	8/31/2006
FL11	7/5/2005 15:47	7/12/2005 14:05	61.21	582	61.21	7	428.5	W	B	dz	200507	8/31/2006
FL11	7/12/2005 14:05	7/19/2005 15:02	43.18	543.1	43.18	19.7	850.65	W	B	dz	200507	8/31/2006
FL11	7/19/2005 15:02	7/26/2005 15:20	5.84	70.9	5.84	15.3	89.38	W	B	dzh	200507	4/27/2006
FL11	7/26/2005 15:20	8/2/2005 16:12	14.48	190.2	14.48	20.9	302.59	W	B	dz	200507	8/31/2006
FL11	8/2/2005 16:12	8/9/2005 15:17	55.37	666.7	55.37	22.3	1234.8	W	B	dz	200508	8/31/2006
FL11	8/9/2005 15:17	8/16/2005 14:26	35.31	452.5	35.31	16.8	593.14	W	B	dz	200508	8/31/2006
FL11	8/16/2005 14:26	8/23/2005 15:55	38.1	462.6	38.1	15.2	579.12	W	B	dz	200508	4/27/2006
FL11	8/23/2005 15:55	8/25/2005 16:20	37.59	457.9	37.59	13.6	511.25	W	B	d	200508	4/27/2006
FL11	8/25/2005 16:20	8/30/2005 14:35	228.85	2246.3	228.85	2.5	572.14	W	B	d	200508	8/31/2006
FL11	8/30/2005 14:35	9/6/2005 14:02	65.53	742.9	65.53	21.7	1422.04	W	B	dz	200509	4/27/2006

FL11	9/6/2005 14:02	9/13/2005 14:15	6.35	81.5	6.35	21.4	135.89	W	B	dz	200509	4/27/2006
FL11	9/13/2005 14:15	9/21/2005 18:54	243.59	2288.3	243.59	5.7	1388.44	W	B	d	200509	4/27/2006
FL11	9/21/2005 18:54	9/27/2005 14:08	-9	78.2	6.52	13.9	90.57	W	B	dmh	200509	8/31/2006
FL11	9/27/2005 14:08	10/4/2005 11:53	117.09	1437.5	117.09	13.01	1523.39	W	B	d	200510	8/31/2006
FL11	10/4/2005 11:53	10/11/2005 15:04	57.4	768.7	57.4	8.21	471.29	W	B	dzh	200510	8/31/2006
FL11	10/11/2005 15:04	10/18/2005 17:34	4.32	70.4	4.32	14.11	60.93	W	B	d	200510	8/31/2006
FL11	10/18/2005 0:00	11/1/2005 0:00	-9	-9	18.29			W	C	np	200510	9/5/2006
FL11	11/1/2005 0:00	11/5/2005 0:00	-9	-9	1.52			W	C	np	200511	9/5/2006
FL11	11/15/2005 14:58	11/22/2005 14:15	5.08	56.9	5.08	9.87	50.14	W	B	mh	200511	8/31/2006
FL11	11/22/2005 14:15	11/29/2005 17:09	0	0	0			D	B	mh	200511	5/22/2006
FL11	11/29/2005 17:09	12/6/2005 14:19	1.27	17.8	1.27	11.69	14.85	W	A		200512	8/31/2006
FL11	12/6/2005 14:19	12/13/2005 12:50	17.27	207.3	17.27	9.52	164.43	W	B	dm	200512	8/31/2006
FL11	12/13/2005 12:50	12/20/2005 15:41	30.23	370.5	30.23	5.66	171.08	W	A		200512	8/31/2006
FL11	12/20/2005 15:41	12/27/2005 19:37	0	0	0			D	B	m	200512	5/22/2006
FL11	12/27/2005 19:30	1/3/2006 15:19	0	0	0			D	B	h	200512	12/20/2006
FL11	1/3/2006 15:19	1/10/2006 17:04	-9	0	0			D	B	dm	200601	12/20/2006
FL11	1/10/2006 17:04	1/17/2006 16:35	3.3	35.2	3.3			W	C	u	200601	12/20/2006
FL11	1/17/2006 16:35	1/24/2006 14:35	3.3	29.9	3.3			W	C	u	200601	12/20/2006
FL11	1/24/2006 14:35	1/31/2006 14:50	2.29	13.3	2.29	8.27	18.91	W	B	d	200601	12/20/2006
FL11	1/31/2006 14:50	2/7/2006 14:29	31.5	356.3	31.5	9.1	286.61	W	B	d	200602	12/20/2006
FL11	2/7/2006 14:29	2/15/2006 13:35	1.52	17	1.52	10.06	15.33	W	A		200602	12/20/2006
FL11	2/15/2006 13:35	2/21/2006 15:29	0	0	0			D	A		200602	12/20/2006
FL11	2/21/2006 15:29	2/28/2006 14:32	52.32	547.7	52.32	6.82	356.85	W	B	d	200602	12/20/2006
FL11	2/28/2006 14:32	3/7/2006 14:10	0	0	0			D	A		200603	12/20/2006
FL11	3/7/2006 14:10	3/14/2006 14:59	0.25	0	0.25			W	C	dv	200603	12/20/2006
FL11	3/14/2006 15:28	3/21/2006 17:58	0	0	0			D	B	m	200603	12/20/2006
FL11	3/21/2006 17:58	3/28/2006 15:28	5.84	68	5.84	9.83	57.43	W	A		200603	12/20/2006
FL11	3/28/2006 15:28	4/4/2006 18:19	0	0	0			D	A		200604	6/20/2007
FL11	4/4/2006 18:19	4/11/2006 14:45	9.65	110.1	9.65	13.67	131.94	W	B	dm	200604	6/20/2007
FL11	4/11/2006 14:45	4/18/2006 18:21	0	0	0			D	B	z	200604	6/20/2007
FL11	4/18/2006 18:21	4/25/2006 16:00	4.32	40	4.32	21.25	91.76	W	B	z	200604	6/20/2007
FL11	4/25/2006 16:00	5/2/2006 18:24	0	0.8	0			D	B	z	200604	6/20/2007
FL11	5/2/2006 18:24	5/9/2006 15:10	0	0	0			D	B	z	200605	6/20/2007
FL11	5/9/2006 15:10	5/16/2006 16:16	41.4	469.7	41.4	10.82	447.97	W	B	dz	200605	6/20/2007
FL11	5/16/2006 16:16	5/23/2006 14:35	71.12	757.7	71.12	4.46	317.2	W	B	m	200605	6/20/2007
FL11	5/23/2006 14:35	5/30/2006 15:58	76.2	769.6	76.2	9.34	711.71	W	B	dz	200605	6/20/2007
FL11	5/30/2006 15:58	6/6/2006 14:46	75.18	787.1	75.18	20.16	1515.71	W	B	dm	200606	6/27/2007
FL11	6/6/2006 14:46	6/13/2006 15:10	96.01	1033	96.01	13.19	1266.4	W	B	dz	200606	6/27/2007
FL11	6/13/2006 15:10	6/20/2006 15:10	10.67	110.5	10.67	17.5	186.69	W	B	dz	200606	6/20/2007
FL11	6/20/2006 15:10	6/27/2006 13:18	100.58	1054.8	100.58	9.4	945.49	W	B	d	200606	6/27/2007
FL11	6/27/2006 13:18	7/5/2006 13:40	36.32	384.2	36.32	26.81	973.79	W	B	d	200607	6/20/2007
FL11	7/5/2006 13:40	7/11/2006 15:19	70.1	742.2	70.1	12.08	846.86	W	A		200607	6/20/2007
FL11	7/11/2006 15:19	7/18/2006 13:00	120.9	1258.4	120.9	11.11	1343.24	W	B	dh	200607	6/20/2007

FL11	7/18/2006 13:00	7/25/2006 15:03	121.92	1327.3	121.92	12.48	1521.56	W	B	z	200607	6/20/2007
FL11	7/25/2006 15:03	8/1/2006 15:07	15.24	146.8	15.24	13.75	209.55	W	B	z	200607	6/20/2007
FL11	8/1/2006 15:07	8/8/2006 15:16	19.56	169.2	19.56	19.63	383.92	W	A		200608	6/20/2007
FL11	8/8/2006 15:16	8/15/2006 15:00	34.29	371.6	34.29	13.36	458.11	W	B	z	200608	6/20/2007
FL11	8/15/2006 15:00	8/22/2006 15:02	-9	645.5	53.88	22.69	1222.45	W	B	m	200608	6/20/2007
FL11	8/22/2006 15:02	9/5/2006 15:27	-9	1762.4	147.1	10.02	1473.92	W	B	emz	200608	6/20/2007
FL11	9/5/2006 15:27	9/12/2006 16:14	48.26	605.5	48.26	22.05	1064.13	W	B	dz	200609	6/20/2007
FL11	9/12/2006 16:14	9/19/2006 14:47	17.27	210.4	17.27	24.65	425.75	W	A		200609	6/20/2007
FL11	9/19/2006 14:47	9/26/2006 16:15	54.86	576.7	54.86	17.97	985.91	W	B	z	200609	6/20/2007
FL11	9/26/2006 16:15	10/3/2006 15:13	12.7	123.9	12.7	19.21	243.97	W	A		200609	6/20/2007
FL11	10/3/2006 15:13	10/10/2006 15:12	1.27	22.5	1.27	13.15	16.7	W	A		200610	6/20/2007
FL11	10/10/2006 15:12	10/17/2006 15:00	10.16	98.7	10.16	35.38	359.46	W	B	d	200610	6/20/2007
FL11	10/17/2006 15:05	10/24/2006 14:46	15.24	164.1	15.24	5.07	77.27	W	B	d	200610	6/20/2007
FL11	10/24/2006 14:46	10/31/2006 15:38	5.08	29.2	5.08	12.35	62.74	W	B	d	200610	6/20/2007
FL11	10/31/2006 15:38	11/7/2006 15:34	5.59	0.7	5.59			W	C	v	200611	6/20/2007
FL11	11/7/2006 15:34	11/14/2006 15:08	6.1	107.2	6.1	11.27	68.7	W	B	d	200611	6/20/2007
FL11	11/14/2006 15:08	11/21/2006 15:36	3.05	28.3	3.05	19.96	60.84	W	A		200611	6/20/2007
FL11	11/21/2006 15:36	11/28/2006 15:19	3.05	35.4	3.05	9.1	27.74	W	A		200611	6/20/2007
FL11	11/28/2006 15:19	12/5/2006 15:34	-9	13.5	1.13	5.76	6.49	W	B	m	200612	6/20/2007
FL11	12/5/2006 15:38	12/12/2006 14:52	0.25	1.3	0.25			W	C	v	200612	6/20/2007
FL11	12/12/2006 14:52	12/19/2006 15:06	20.57	217.9	20.57	10.21	210.06	W	B	d	200612	6/20/2007
FL11	12/19/2006 15:06	12/26/2006 15:47	19.81	218.7	19.81	8.94	177.12	W	B	h	200612	6/20/2007
FL11	12/26/2006 15:47	1/2/2007 16:30	3.05	24.4	3.05			W	C	u	200612	6/20/2007
FL11	1/2/2007 16:30	1/9/2007 15:46	29.97	298.5	29.97	8.87	266.12	W	A		200701	6/20/2007
FL11	1/9/2007 15:46	1/16/2007 15:50	3.81	33	3.81	8.64	32.91	W	A		200701	6/20/2007
FL11	1/16/2007 15:50	1/23/2007 15:50	1.02	3.8	1.02	15.3	15.55	W	B	i	200701	6/20/2007
FL11	1/23/2007 15:50	1/30/2007 15:55	9.4	91.4	9.4	4.62	43.46	W	B	dh	200701	6/20/2007
FL11	1/30/2007 15:55	2/6/2007 16:18	16.51	158	16.51	8.79	145.22	W	A		200702	3/8/2007
FL11	2/6/2007 16:18	2/13/2007 15:36	21.59	191.7	21.59	6.44	139.16	W	B	h	200702	3/8/2007
FL11	2/13/2007 15:36	2/20/2007 15:05	3.3	29.4	3.3	15.75	52.02	W	B	z	200702	3/8/2007
FL11	2/20/2007 15:05	2/27/2007 15:45	0	0	0			D	A		200702	3/8/2007
FL11	2/27/2007 15:45	3/6/2007 15:31	2.03	16.8	2.03	24.55	49.89	W	A		200703	3/8/2007
FL11	3/6/2007 15:31	3/13/2007 14:38	-177.8	0	0.13			T	A		200703	3/8/2007
FL11	3/13/2007 14:38	3/20/2007 16:09	0	0	0			D	A		200703	3/8/2007
FL11	3/20/2007 16:09	3/27/2007 15:46	39.12	423.8	39.12	2.61	102.44	W	B	d	200703	3/8/2007
FL11	3/27/2007 15:46	4/3/2007 16:26	0	0	0			D	A		200703	3/8/2007
FL11	4/3/2007 16:26	4/10/2007 16:14	1.52	13.1	1.52	27.78	42.34	W	A		200704	3/8/2007
FL11	4/10/2007 16:14	4/17/2007 16:05	180.34	1668.3	180.34	9.4	1695.37	W	B	d	200704	3/8/2007
					average	14.042444	431.9637					
					max	43.07	2079.07					
					min	2.5	5.55					
					n	90	90					