



GROWING AREA WL
Towns of Harpswell, Brunswick, West Bath and Phippsburg

Annual Report for 2006

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APPROVAL

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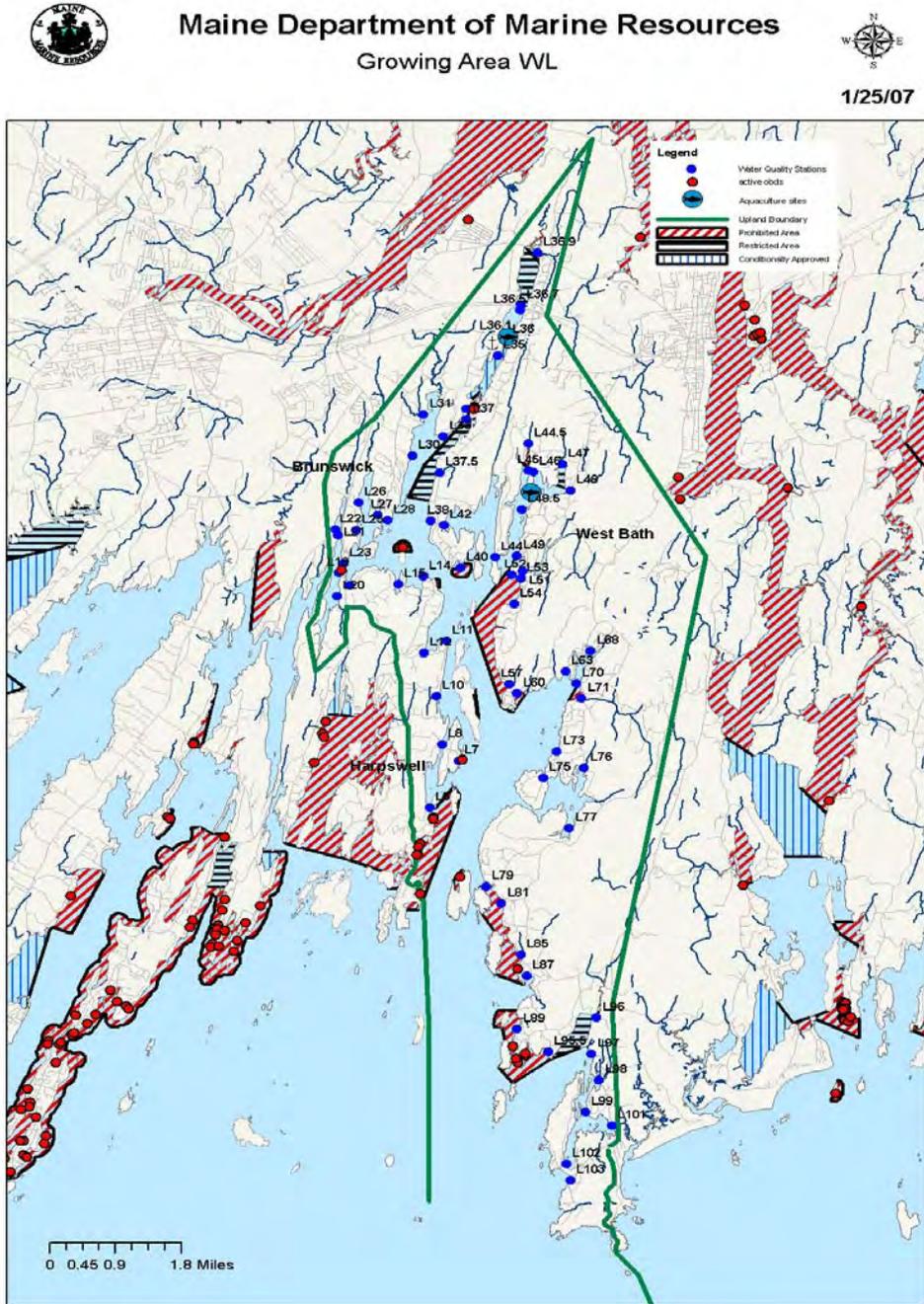
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Figure 1. Growing Area WL





Executive Summary

This is an annual review report for shellfish growing area WL, written in compliance with the requirements of the 2005 Model Ordinance of the National Shellfish Sanitation Program.

Shellfish Growing Area WL begins at Fort Point, Cundys Harbor and ends at Small Point, Phippsburg and is comprised of the New Meadows River, including Buttermilk and Doughty Coves. The towns that fall into the boundary of this growing area are Harpswell, Brunswick, West Bath, Bath and Phippsburg. There are no municipal treatment facilities in this growing area. All residences have private waste disposal systems most of which are in ground systems. There are a few licensed overboard discharge systems, outhouses, chemical toilets or composting toilets scattered throughout the area, predominantly at seasonal properties. There is one marina, located near the head of the river, and several piers which provide support to local lobstering and fishing activities. These are located in the Cundys Harbor, and Phippsburg. There is also a large multi-season resort, Sebasco Estates, located in the Phippsburg portion of the growing area. There are no industrial discharges in the area. On January 5, 2007 verification was received from Maine DEP that the licensed overboard discharge located on Bombazine Island, Harpswell had been removed and replaced with an inground septic systems.

In 2006, one station was reactivated to serve as a boundary station for a restricted area; no stations were created or deactivated during the review year. As a result of this review, two classification changes are proposed. Both changes require a downward reclassification, from approved to restricted status. Additionally, the closure around Bombazine Island, Harpswell, should be repealed, due to the removal of a licensed overboard discharge.

The next triennial report is due in 2008; the next sanitary survey report is due 2016.

Boundary Description

Area L lies inside a line from the eastern side of Fort Point, Cundys Harbor, extending south along the shellfish management zone line offshore, and also, extending north from the intersection of East Cundys Point Road and Cundys Point Road, then north on Cundys Harbor Road to Harpswell Island Road, then north on Harpswell Island Road, across to the north side of the Gurnet Bridge, then north to the intersection of Board Road and New Gurnet Road, then northeast to the intersection of Old Bath Road and Peterson Road, then northeast to the intersection of Bay Shore Road and Ridge Road, then south to the New Meadows/Route 1 northbound on ramp, then south to the intersection of Old Route #1 and Fire Road 9, then to the intersection of Campbell Pond Rd and Berrys Mill Rd., then to the intersection of Basin Road and Main Road, then south to the intersection of Main Road and Popham Road, then south to the intersection of Small Point Road and to Seal Cove Road, then south on Seal Cove Road to Navy Road, then south on Navy Road to the end at Small Point, then south to the shellfish management zone line and following it offshore.



Current Classifications

Shellfish growing Area WL currently has shellfish areas classified as:

- Prohibited (18 stations)
- Approved (42 stations)
- Conditionally Approved; Seasonal/Marina (3 stations)
- Restricted (5 stations)

Visit the DMR website to view the legal notices which describe these areas.

Closed Area No. 19-A New Meadows Lake, Upper New Meadows River and Middle Ground (Bath to Harpswell)

Closed Area No. 19-B Middle New Meadows River (West Bath, Harpswell, Phippsburg)

Closed Area No. 19-C Lower New Meadows River (Harpswell to Phippsburg)

http://www.maine.gov/dmr/rm/public_health/closures/closedarea.htm#T

Current Management Plan(s)

There is one conditionally managed area in Growing Area WL. It is located in the upper section of the New Meadows and managed based on the presence/ absence of boats at New Meadows Marina. The area is open for shellfish harvest from 11/16-4/30. Visual observations were made on 4/26/06, just prior to the seasonal closing of the area. The spring observation served as verification that there were no boats with heads present in the marina prior to the established closing date of May 1st. Visual observations made on 10/30/06, during flood sampling, established that only eight boats with heads were still present in the water and the marina personnel were in the process of removing all the boats for winter storage. The fall observation confirmed that the area could re-open for shellfish harvest on November 16th.

Management Plan Annual Review

Please refer to appendix A for a complete review of the New Meadows Conditional Area Management Plan.

Review of Water Quality

Transition to Membrane Filtration Method

The Maine Department of Marine Resources has chosen to switch to a fecal coliform method that was approved for use in the National Shellfish Sanitation Program (NSSP) at the Interstate Shellfish Sanitation Conference in 2003. The transition to membrane filtration for seawater and pollution source samples began in 2006. The method is the Membrane Filtration (MF) for Fecal Coliforms using mTEC agar with a two hour resuscitation step. The geometric mean and the 90th percentile are calculated on 30 data points extending over a five year period. During the transition from MPN to MF, we will be accumulating MF data points. The statistical calculations will be a combination of MPN and MF data points. The FDA has determined that the best way to handle the data is to perform the calculations as always for the data set, but to compare the



data set to a hybrid weighted 90th percentile. This hybrid standard is calculated by weighting the relative contributions of each method to the database. This will mean that as the number of MPN data points reduce and the number of MF data points increase the 90th percentile standard that the sample site is compared to will change over time. Once all 30 data points are analyzed using MF, the 90th percentile for approved classification will be 31 and for restricted (for depuration) will be 163. The geomean approved standard of 14 fecal coliforms per 100 ml and geomean restricted standard of 88 fecal coliforms per 100 ml will remain the same for both methods.

Reports that display 90th percentiles will show the number of data points derived from MF analysis and will show the appropriate 90th percentile standard for that MPN/MF combination for approved and restricted classifications. It must be remembered that this weighted standard is only used for data sets encompassing data from the two different test methods, MF and MPN (3 tube/3 dilution). If decisions are to be made on a single test result analyzed by the MF method or a multiple number of test results all exclusively analyzed by the MF method, the 90th percentile standard is 31 fecal coliforms per 100 ml.

This was the first year the water quality program documented, in the database, the inability to collect a sample based on the following parameters: if the tide stage was too low to collect the sample, there was a safety issue with collecting the sample, the location was inaccessible or "other" which was accompanied by a comment on the data sheet. Stations that were unable to be sampled due to any of these parameters show 999 in the salinity column and have no data recorded in any of the columns except the time which is recorded so the actual tide stage can be computed. Stations that were missed due to the above parameters were required to be made up to assure that each station would receive the required six samples during the sampling season.

Water Quality Data Review

All active water sampling stations classified as approved, restricted or prohibited were sampled six times during the 2006 sampling season (Appendix 1). The water quality in the majority of shellfish Growing Area WL continues to meet its current classification (Table 1). Please refer to appendix B for a guide to interpreting table headers. There were however, two stations which no longer support their classification; these stations are highlighted in yellow on Table 1. Station WL26, located in Woodward Cove, Brunswick, has a P90 of 76.9, and no longer meets approved standard. Station WL 68, located in Brighams Cove, West Bath/Phippsburg has a P90 score of 51, and also no longer meets approved standard.

Table 1. Water Quality GeoMeans and P90 scores for Growing area WL, 2001-2006

STATION	CLASS	CNT	MFCNT	GM	SDV	MAX	P90	APPD_STD	REST_STD
WL005.00	P	30	3	5.8	0.6	460	33.6	47	282
WL007.00	A	30	2	3.9	0.24	15	7.9	48	288
WL008.00	A	26	0	5.5	0.51	240	25	49	300
WL010.00	A	30	2	4.5	0.4	240	14.6	48	288
WL011.00	A	30	2	4.4	0.42	320	15	48	288
WL012.00	A	30	4	4.6	0.38	93	14.2	46	277
WL014.00	A	30	3	5.6	0.5	200	24.5	47	282
WL015.00	A	30	3	5.2	0.45	93	19.8	47	282
WL018.00	A	30	3	4.9	0.37	70	14.5	47	282
WL019.00	A	30	3	5.3	0.41	43	17.4	47	282
WL020.00	A	30	3	5.1	0.39	130	16.1	47	282



STATION	CLASS	CNT	MFCNT	GM	SDV	MAX	P90	APPD_STD	REST_STD
WL021.00	A	30	2	6.1	0.52	460	28.1	48	288
WL022.00	A	30	2	6.2	0.54	240	30.3	48	288
WL023.00	A	30	2	4.6	0.45	240	17.2	48	288
WL025.00	A	30	2	6.1	0.56	460	31.9	48	288
WL026.00	A	30	3	9.2	0.72	460	76.5	47	282
WL027.00	A	30	2	6.4	0.56	460	33.5	48	288
WL028.00	A	30	2	5.4	0.63	1100	34.2	48	288
WL030.00	A	30	2	4.3	0.29	23	10.2	48	288
WL031.00	A	30	2	4.1	0.3	23	10	48	288
WL033.00	A	30	2	4.3	0.39	93	13.4	48	288
WL034.50	P	30	2	4.7	0.51	240	21.1	48	288
WL036.50	A	30	2	4.1	0.26	23	9	48	288
WL036.70	R	30	2	3.9	0.39	240	12.1	48	288
WL036.90	P	30	2	5.3	0.46	93	20.3	48	288
WL037.00	R	30	2	7.2	0.75	1149	65.3	48	288
WL037.50	R	30	2	7.7	0.74	1100	68.8	48	288
WL038.00	A	30	2	4.5	0.34	43	12.5	48	288
WL040.00	P	30	2	6.6	0.63	240	41.9	48	288
WL042.00	New	29	2	6.1	0.6	1200	35.7	47	288
WL044.00	A	30	2	4.1	0.45	460	15.3	48	288
WL044.50	P	30	2	11.1	0.73	1100	94.8	48	288
WL045.00	A	30	2	4.9	0.41	93	16.4	48	288
WL046.00	A	30	2	6.2	0.53	460	29.5	48	288
WL047.00	R	30	2	7.7	0.62	460	47.4	48	288
WL048.00	A	30	2	5.9	0.64	1200	38.8	48	288
WL048.50	A	30	2	4.3	0.38	75	13	48	288
WL049.00	A	30	2	5	0.55	460	25.4	48	288
WL051.00	A	30	2	7.3	0.62	460	44.4	48	288
WL052.00	P	30	2	9.8	0.71	1200	80.1	48	288
WL053.00	P	30	2	7.3	0.57	240	39.4	48	288
WL054.00	P	30	2	5.2	0.58	1100	28.6	48	288
WL057.00	P	30	2	5.9	0.66	1200	41.3	48	288
WL060.00	P	30	2	5.6	0.6	1200	32.7	48	288
WL063.00	A	30	2	5.5	0.59	1200	30.8	48	288
WL068.00	A	30	2	7.3	0.66	1100	51	48	288
WL070.00	A	30	2	4.3	0.39	93	13.6	48	288
WL071.00	P	30	2	7.7	0.54	240	37.9	48	288
WL073.00	P	30	2	7.6	0.59	150	42.6	48	288
WL075.00	A	30	2	4.1	0.33	43	10.9	48	288
WL076.00	A	30	2	5.8	0.47	43	23.1	48	288
WL077.00	A	30	3	4.9	0.39	93	15.7	47	282
WL079.00	A	30	2	3.9	0.46	460	14.8	48	288
WL081.00	P	30	2	9.6	0.77	1200	91.9	48	288
WL085.00	P	30	2	8.6	0.64	1200	56.1	48	288
WL087.00	A	30	2	6.2	0.61	240	38	48	288
WL089.00	P	30	2	4.7	0.38	93	14.3	48	288
WL095.50	New	9	2	3.4	0.18	9.1	5.8	44	262
WL096.00	R	30	3	7.5	0.61	460	45.1	47	282
WL097.00	New	22	2	4.6	0.52	240	21.4	47	284



STATION	CLASS	CNT	MFCNT	GM	SDV	MAX	P90	APPD_STD	REST_STD
WL098.00	P	30	3	5.4	0.39	78	17	47	282
WL099.00	A	30	2	3.9	0.24	23	7.9	48	288
WL101.00	A	30	2	5.9	0.43	43	20.9	48	288
WL102.00	A	30	3	6.6	0.57	240	35.8	47	282
WL103.00	A	30	2	3.4	0.16	9.1	5.3	48	288

Conditionally approved station WL 35 was sampled 6 times in the open status; stations WL 36 and 36.1 were sampled five and four times in the open status, respectively. Please refer to Appendix A for more details on conditional area sampling frequency. Stations WL 35 and 36 met approved status in the open status, and support their current NSSP classification. Station WL 36.1 is a new station and only has 28 data points; therefore it does not have enough data points to establish a classification.

Table 2. New Meadows Conditional Area, Open Status, 2001-2006

STATION	CLASS	CNT	MFCNT	GM	SDV	MAX	P90	APPD_STD	RESTR_STD
WL035.00	CA	30	2	3.6	0.25	23	7.6	48	288
WL036.00	CA	30	1	3.4	0.18	15	5.8	48	294
WL036.10	New	28	1	3.7	0.32	54	9.3	48	294

As a result of this review, two downgrade classification changes are proposed. The first proposed change requires a reclassification of Woodward Cove. Since station WL 26 no longer meets approved standard, and there are no identified point sources of pollution in the area, the cove should be reclassified from approved to restricted. The second proposed change requires a reclassification of Brighams Cove from approved to prohibited. Though at present time there are no documented sources of pollution at Brighams Cove, fecal coliform scores follow a seasonal pattern, with higher scores to occurring during the summer months, when several older septic systems at seasonal cottages are believed to be in use. Therefore, additional shoreline survey work in this area is recommended during the summer season, in order to evaluate potential seasonal pollution sources.

Each year all of the stations in each growing area are reevaluated to determine if any stations should be added or deactivated. No stations were deactivated in 2006. Station WL 97 was reactivated to serve as a boundary station for the Tottman Cove restricted area.

Shoreline Survey Activity

During the 2006 review year, shoreline surveys were conducted by DMR staff with assistance from the local shellfish warden and/or the local codes enforcement officer (CEO) in the Buttermilk Cove, Brunswick and Long Island, Harpswell sections of growing area WL. Information resulting from these along with water quality data resulted in the opening of the outer portion of Buttermilk Cove. Point sources of pollution were documented on Long Island and submitted to the town for remediation. Growing Area WL has had no significant changes in pollution sources during the review period. Field observations were made during regularly scheduled random sampling runs, as well as during volunteer site certifications, new staff training runs, and flood sampling.

Shellfish Aquaculture/Wet Storage

There are no wet storage permits in the growing area. There are currently two lease site in this growing area. The lease site information for these is shown below. Please visit the DMR website for more information on aquaculture leases in growing area WL:



<http://www.maine.gov/dmr/aquaculture/leaseinventory2006/newmeadowsriver.htm>

Classification Changes Required

As a result of this review there are two classification changes that are required. Water quality at station WL26 located in Woodward Cove, Brunswick, and station WL68 located in the inner section of Brighams Cove, West Bath no longer meets NSSP criteria for an approved classification. There is no known point source of pollution in Woodward Cove, therefore, it is appropriate to downgrade the current classification to restricted (Figure 2). Brighams Cove, West Bath should be reclassified as prohibited (Figure 3). Even though there are no known sources of pollution, there is a tendency for the elevated scores to occur during the summer when several older septic systems at seasonal cottages would be in use. Please note the information in the Review of Water Quality section for more detailed information.

Figure 2. Proposed classification change for Woodward Cove, Brunswick

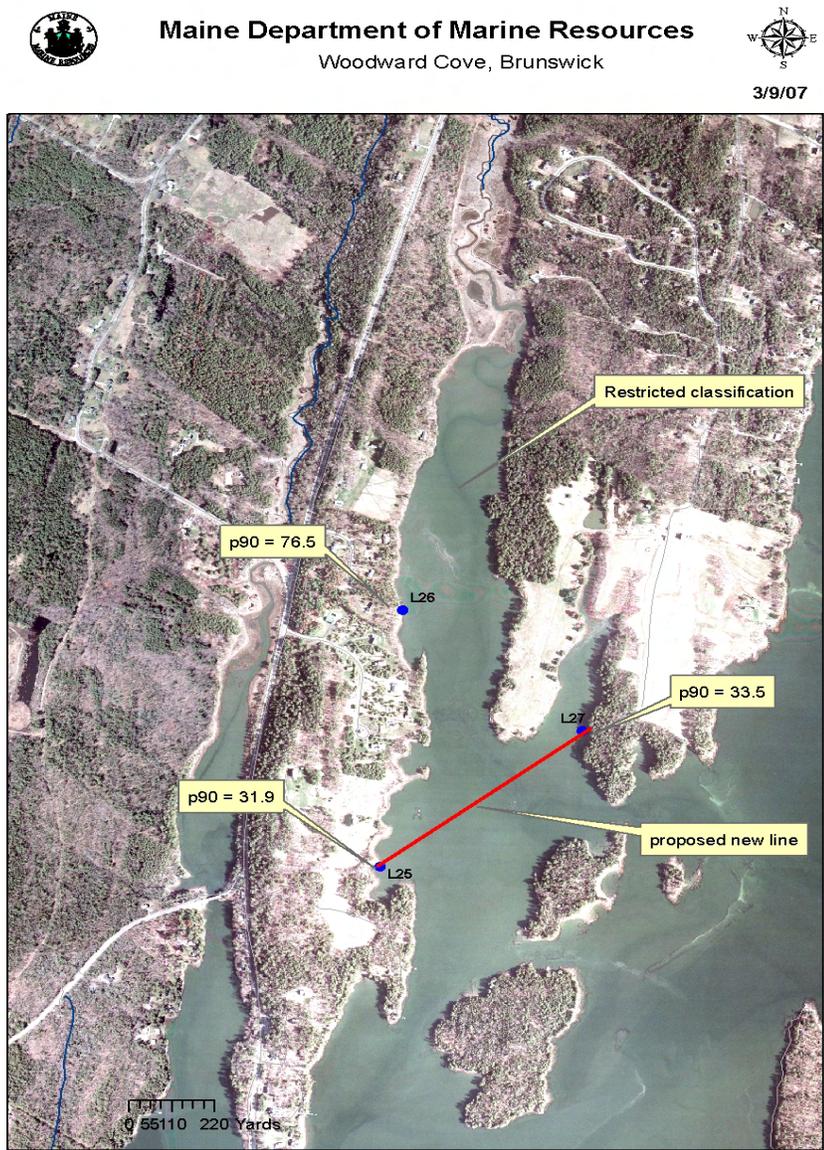




Figure 3. Proposed classification change for Brighams Cove, West Bath/Phippsburg

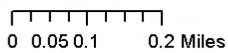
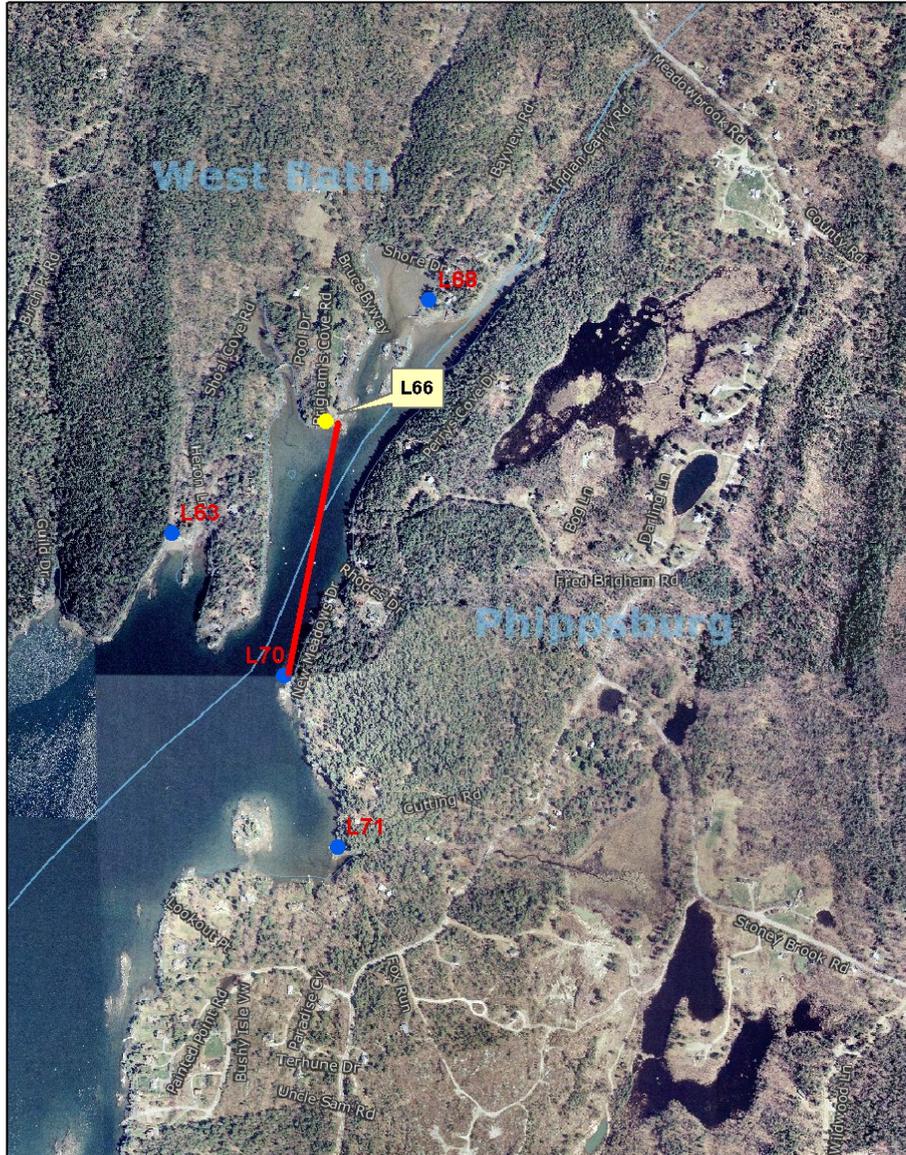


Maine Department of Marine Resources

Brighams Cove , West Bath and Phippsburg
Proposed Closure Line



3/15/07





Discussion and Summary

Overall, shellfish growing area WL continues to maintain good water quality scores. The area consists of tracts of undeveloped woodland and fields between sections with newer year-round homes and older seasonal dwellings. There are no industries or large businesses along the shore. There are two clusters of OBDs; one in Cundys Harbor, Harpswell and another at West Point, Phippsburg. Along the rest of the shore adjacent to shellfish growing area WL, the most likely threat to water quality are private septic systems. Shoreline surveys of the area have shown that these systems are well maintained and are not contributing to the degradation of the water quality at this time.

Based on the 2006 annual review of water quality data, two coves need to be reclassified from approved to restricted or prohibited; both closure lines should be extended to the next approved stations. In the case of Brighams Cove, the next station with water quality meeting approved standard was recently deactivated. In 2005, the decision to deactivate station WL 66 was made based on the presence of an excessive number of monitoring stations. This station should be reactivated and become the boundary monitoring station for the new restricted area. The closure around Bombazine Island, Harpswell should be repealed since the licensed overboard discharge, which was the reason for the closure, has been removed. The information pertaining to the OBD removal was verified by Maine DEP personnel on January 5, 2007.



Appendix A. Annual Review of New Meadows Conditional Area Management Plan

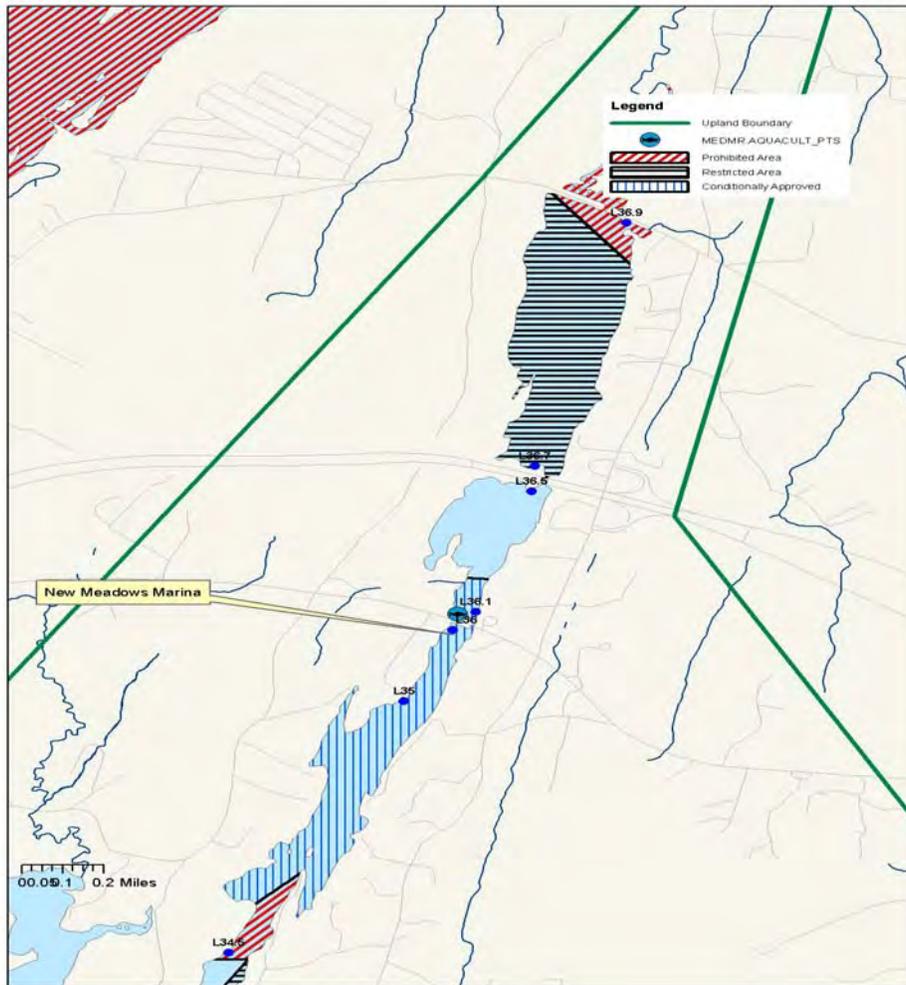
2006 ANNUAL REVIEW
NEW MEADOWS RIVER CONDITIONAL AREA - C 19A
SHELLFISH GROWING AREA
(Seasonal Marina Section)
Open 11/16 – 4/30



Maine Department of Marine Resources
Upper New Meadows Marina Conditional Area



3/7/07



This is a seasonal conditional area based on the presence or absence of boats at the New Meadows Marina. Visual observations made on April 25th 2006, served as verification that there were no boats with heads in the marina prior to the established closing date of 5/1. At the time of the observation, marina personnel had just begun returning boats to the water. Visual observations made on 10/30/06, during flood sampling, established that only 8 boats ≥ 20 feet and capable of having heads were still present in the water; at the time of observation, marina personnel were in the process of removing all the boats for winter storage. Station WL35 was sampled six times in the open status. Stations WL 36 was sampled five times in the open status and station 36.1 was sampled four times in the open status. Both stations were sampled in



Novemebr 2006, but the sample swere not processed because they were received at the lab frozen. An additional attempt to sample station WL 36.1 was made on January 17, 2006 but the sample site was frozen over and no sample could be collected.

An annual review of the data was completed and it verified that the area is in compliance with the management plan.

Table 1. New Meadows Conditional Area, Open Status, 2001-2006

STATION	CLASS	CNT	MFCNT	GM	SDV	MAX	P90	APPD_STD	RESTR_STD
WL035.00	CA	30	2	3.6	0.25	23	7.6	48	288
WL036.00	CA	30	1	3.4	0.18	15	5.8	48	294
WL036.10	NEW	28	1	3.7	0.32	54	9.3	48	294

Based on analysis of the data, the conditions of the Management Plan, the cooperation between the towns of Brunswick, West Bath, and MDMR, as well as the presence of well trained and reliable shellfish wardens, the seasonal conditional area of the New Meadows River is currently properly classified according to NSSP criteria.



Appendix B. Water Quality Scores for All Active Stations in WL, 2006

Station	Date	Collector	Tide	Temp	Sal	Strat	ADV	Stat	CLASS	A1COL	MFCOL	WIND
WL005.00	3/27/2006	HWQ	H	4	32	R	-	C	P	<3.0	-	NW
WL005.00	5/8/2006	JSC	E	8	30	R	-	C	P	<3.0	-	SE
WL005.00	6/19/2006	JSC	LE	20	25	R	-	C	P	37	-	CL
WL005.00	9/25/2006	HWQ	F	16	32	R	-	C	P	-	<2.0	S
WL005.00	11/13/2006	GBR	LF	9	29	R	P	C	P	-	2	NE
WL005.00	11/29/2006	GBR	E	7	30	R	-	C	P	-	<2.0	CL
WL007.00	3/27/2006	HWQ	H	4	32	R	-	O	A	<3.0	-	NW
WL007.00	5/8/2006	JSC	E	8	31	R	-	O	A	<3.0	-	S
WL007.00	6/19/2006	JSC	E	18	25	R	-	O	A	3.6	-	CL
WL007.00	8/14/2006	HWQ	F	14	31	R	-	O	A	15	-	-
WL007.00	9/25/2006	HWQ	F	16	32	R	-	O	A	-	<2.0	S
WL007.00	11/13/2006	GBR	L	9	30	R	P	O	A	-	<2.0	NE
WL010.00	3/27/2006	HWQ	H	5	33	R	-	O	A	<3.0	-	NW
WL010.00	5/8/2006	JSC	E	8	31	R	-	O	A	<3.0	-	S
WL010.00	6/19/2006	JSC	E	18	26	R	-	O	A	3.6	-	CL
WL010.00	8/14/2006	HWQ	F	14	32	R	-	O	A	9.1	-	-
WL010.00	9/25/2006	HWQ	F	16	32	R	-	O	A	-	2	S
WL010.00	11/13/2006	GBR	LE	9	30	R	P	O	A	-	15	NE
WL011.00	3/27/2006	HWQ	HF	5	32	R	-	O	A	<3.0	-	NW
WL011.00	5/8/2006	JSC	E	8	31	R	-	O	A	<3.0	-	S
WL011.00	6/19/2006	JSC	E	18	27	R	-	O	A	<3.0	-	CL
WL011.00	8/14/2006	HWQ	F	15	31	R	-	O	A	<3.0	-	-
WL011.00	9/25/2006	HWQ	HF	16	32	R	-	O	A	-	<2.0	S
WL011.00	11/13/2006	GBR	LE	9	22	R	P	O	A	-	320	NE
WL012.00	3/27/2006	HWQ	HF	6	32	R	-	O	A	<3.0	-	NW
WL012.00	5/8/2006	JSC	E	8	31	R	-	O	A	<3.0	-	S
WL012.00	9/25/2006	HWQ	HF	16	32	R	-	O	A	-	<2.0	S
WL012.00	10/10/2006	HWQ	F	11	30	R	-	O	A	-	2	CL
WL012.00	11/13/2006	GBR	F	9	6	R	P	O	A	-	18	NE
WL012.00	11/29/2006	GBR	E	7	21	R	-	O	A	-	6	CL
WL014.00	3/27/2006	HWQ	HF	4	32	R	-	O	A	<3.0	-	NW
WL014.00	5/8/2006	JSC	E	8	30	R	-	O	A	<3.0	-	S
WL014.00	6/19/2006	JSC	E	16	28	R	-	O	A	23	-	CL
WL014.00	9/25/2006	HWQ	HF	16	32	R	-	O	A	-	2	S
WL014.00	10/10/2006	HWQ	F	10	31	R	-	O	A	-	200	CL
WL014.00	11/13/2006	GBR	F	9	22	R	P	O	A	-	60	NE
WL015.00	3/27/2006	HWQ	HF	4	33	R	-	O	A	<3.0	-	NW
WL015.00	5/8/2006	JSC	E	8	31	R	-	O	A	<3.0	-	S
WL015.00	6/19/2006	JSC	E	18	28	R	-	O	A	<3.0	-	CL
WL015.00	9/25/2006	HWQ	HF	16	31	R	-	O	A	-	2	S
WL015.00	10/10/2006	HWQ	F	10	30	R	-	O	A	-	10	CL
WL015.00	11/13/2006	GBR	F	9	18	R	P	O	A	-	80	NE
WL018.00	3/27/2006	HWQ	HF	6	33	R	-	O	A	<3.0	-	NW
WL018.00	5/8/2006	JSC	E	10	30	R	-	O	A	<3.0	-	S
WL018.00	6/19/2006	JSC	E	18	28	R	-	O	A	<3.0	-	CL
WL018.00	9/25/2006	HWQ	HF	16	31	R	-	O	A	-	<2.0	S
WL018.00	10/10/2006	HWQ	F	11	30	R	-	O	A	-	2	CL



Station	Date	Collector	Tide	Temp	Sal	Strat	ADV	Stat	CLASS	A1COL	MFCOL	WIND
WL018.00	11/13/2006	GBR	F	9	15	R	P	C	P	-	70	NE
WL019.00	3/27/2006	HWQ	HF	5	32	R	-	O	A	<3.0	-	NW
WL019.00	5/8/2006	JSC	E	10	30	R	-	O	A	<3.0	-	S
WL019.00	6/19/2006	JSC	E	16	28	R	-	O	A	<3.0	-	CL
WL019.00	9/25/2006	HWQ	HF	16	32	R	-	O	A	-	<2.0	S
WL019.00	10/10/2006	HWQ	F	11	30	R	-	O	A	-	4	CL
WL019.00	11/13/2006	GBR	LE	9	28	R	P	O	A	-	22	NE
WL020.00	3/27/2006	HWQ	HF	6	32	R	-	O	A	<3.0	-	NW
WL020.00	5/8/2006	JSC	E	10	30	R	-	O	A	<3.0	-	S
WL020.00	6/19/2006	JSC	E	18	28	R	-	O	A	3.6	-	CL
WL020.00	9/25/2006	HWQ	HF	16	31	R	-	O	A	-	<2.0	S
WL020.00	10/10/2006	HWQ	F	11	29	R	-	O	A	-	6	CL
WL020.00	11/13/2006	GBR	LE	9	5	R	P	O	A	-	130	NE
WL021.00	3/27/2006	DD	E	9	28	R	-	C	P	<3.0	-	-
WL021.00	5/8/2006	DD	E	12	30	R	NW	C	P	<3.0	-	N
WL021.00	6/19/2006	DD	L	15	26	R	-	C	P	<3.0	-	SE
WL021.00	8/14/2006	DD	F	15	31	R	-	C	P	<3.0	-	SE
WL021.00	9/25/2006	DD	F	17	30	R	P	O	A	-	3.6	-
WL021.00	11/5/2006	DD	E	9	26	R	P	O	A	-	6	S
WL022.00	3/27/2006	DD	E	8	31	R	-	O	A	<3.0	-	-
WL022.00	5/8/2006	DD	E	11	30	R	-	O	A	<3.0	-	N
WL022.00	6/19/2006	DD	L	14	27	R	-	O	A	<3.0	-	SE
WL022.00	8/14/2006	DD	F	15	30	R	-	O	A	<3.0	-	SE
WL022.00	9/25/2006	DD	F	18	29	R	P	O	A	-	10	-
WL022.00	11/29/2006	DD	E	8	26	R	P	O	A	-	74	SW
WL023.00	3/27/2006	DD	E	8	31	R	-	C	P	<3.0	-	-
WL023.00	5/8/2006	DD	E	11	30	R	-	C	P	<3.0	-	N
WL023.00	6/19/2006	DD	L	14	27	R	-	C	P	3.6	-	SE
WL023.00	8/14/2006	DD	F	14	30	R	-	C	P	<3.0	-	SE
WL023.00	9/25/2006	DD	F	16	32	R	P	O	A	-	2	-
WL023.00	11/29/2006	DD	E	9	30	R	P	O	A	-	44	SW
WL025.00	3/27/2006	DD	E	8	31	R	-	O	A	<3.0	-	-
WL025.00	5/8/2006	DD	E	12	30	R	-	O	A	<3.0	-	N
WL025.00	6/19/2006	DD	L	15	27	R	-	O	A	93	-	SE
WL025.00	8/14/2006	DD	F	15	31	R	-	O	A	3.6	-	SE
WL025.00	9/25/2006	DD	F	17	31	R	P	O	A	-	11	-
WL025.00	12/5/2006	DD	H	7	30	R	-	O	A	-	2	-
WL026.00	3/27/2006	DD	E	9	32	R	-	O	A	<3.0	-	-
WL026.00	5/8/2006	DD	E	14	30	R	-	O	A	<3.0	-	N
WL026.00	8/14/2006	DD	F	15	31	R	-	O	A	<3.0	-	SE
WL026.00	9/25/2006	DD	F	17	32	R	P	O	A	-	64	-
WL026.00	10/23/2006	EXT	H	10	24	R	P	O	A	-	380	N
WL026.00	12/5/2006	DD	H	8	29	R	-	O	A	-	78	-
WL027.00	3/27/2006	DD	E	8	31	R	-	O	A	<3.0	-	-
WL027.00	5/8/2006	DD	E	12	30	R	-	O	A	<3.0	-	N
WL027.00	6/19/2006	DD	LE	15	27	R	-	O	A	9.1	-	SE
WL027.00	8/14/2006	DD	F	15	31	R	-	O	A	<3.0	-	SE
WL027.00	9/25/2006	DD	HF	16	31	R	P	O	A	-	8	-
WL027.00	12/5/2006	DD	H	8	30	R	-	O	A	-	8	-



Station	Date	Collector	Tide	Temp	Sal	Strat	ADV	Stat	CLASS	A1COL	MFCOL	WIND
WL028.00	3/27/2006	DD	E	8	31	R	-	O	A	<3.0	-	-
WL028.00	5/8/2006	DD	E	13	30	R	-	O	A	7.3	-	N
WL028.00	6/19/2006	DD	LE	16	27	R	-	O	A	<3.0	-	SE
WL028.00	8/14/2006	DD	F	15	31	R	-	O	A	<3.0	-	SE
WL028.00	9/25/2006	DD	HF	17	31	R	P	O	A	-	4	-
WL028.00	12/5/2006	DD	H	8	30	R	-	O	A	-	3.6	-
WL030.00	3/27/2006	DD	E	8	32	R	-	O	A	<3.0	-	-
WL030.00	5/8/2006	DD	E	12	30	R	-	O	A	<3.0	-	N
WL030.00	6/19/2006	DD	LE	15	27	R	-	O	A	<3.0	-	SE
WL030.00	8/14/2006	DD	F	15	31	R	-	O	A	<3.0	-	SE
WL030.00	9/25/2006	DD	HF	17	31	R	P	O	A	-	8	-
WL030.00	11/5/2006	DD	HE	9	30	R	P	O	A	-	<2.0	S
WL031.00	3/27/2006	DD	E	9	32	R	-	O	A	<3.0	-	-
WL031.00	5/8/2006	DD	E	12	30	R	-	O	A	<3.0	-	N
WL031.00	6/19/2006	DD	LE	15	27	R	-	O	A	23	-	SE
WL031.00	8/14/2006	DD	F	15	30	R	-	O	A	9.1	-	SE
WL031.00	9/25/2006	DD	HF	18	31	R	P	O	A	-	2	-
WL031.00	11/5/2006	DD	HE	8	28	R	P	O	A	-	<2.0	S
WL033.00	3/27/2006	DD	HE	8	31	R	-	O	A	<3.0	-	-
WL033.00	5/8/2006	DD	E	11	30	R	-	O	A	7.3	-	N
WL033.00	6/19/2006	DD	E	16	27	R	-	O	A	<3.0	-	SE
WL033.00	8/14/2006	DD	F	15	31	R	-	O	A	23	-	SE
WL033.00	9/25/2006	DD	HF	17	32	R	P	O	A	-	<2.0	-
WL033.00	11/29/2006	DD	LE	8	30	R	PW	O	A	-	<2.0	SW
WL034.50	3/27/2006	DD	HE	9	30	R	-	C	P	<3.0	-	-
WL034.50	5/8/2006	DD	E	12	30	R	-	C	P	240	-	N
WL034.50	6/19/2006	DD	E	18	26	R	-	C	P	<3.0	-	SE
WL034.50	8/14/2006	DD	HF	15	30	R	-	C	P	<3.0	-	SE
WL034.50	9/25/2006	DD	HF	17	31	R	P	C	P	-	4	-
WL034.50	11/5/2006	DD	H	8	26	R	P	C	P	-	2	S
WL035.00	1/17/2006	JB	E		28	R	-	O	CA	<3.0	-	CL
WL035.00	2/7/2006	JB	E	1	24	R	P	O	CA	3.6	-	CL
WL035.00	3/27/2006	DD	HE	8	28	R	-	O	CA	<3.0	-	-
WL035.00	4/5/2006	DD	L	9	29	R	P	O	CA	<3.0	-	N
WL035.00	5/8/2006	DD	E	13	29	R	-	C	CA	<3.0	-	N
WL035.00	6/19/2006	DD	E	16	26	R	-	C	CA	<3.0	-	SE
WL035.00	8/14/2006	DD	HF	17	29	R	-	C	CA	3.6	-	SE
WL035.00	9/25/2006	DD	F	18	30	R	P	C	CA	-	<2.0	-
WL035.00	11/5/2006	DD	H	8	26	R	P	O	CA	-	<2.0	S
WL035.00	12/5/2006	DD	H	9	26	R	-	O	CA	-	<2.0	-
WL036.00	1/17/2006	JB	F		25	R	-	O	CA	3.6	-	CL
WL036.00	2/7/2006	JB	E	2	25	R	P	O	CA	3.6	-	CL
WL036.00	3/27/2006	DD	H	9	30	R	-	O	CA	<3.0	-	-
WL036.00	4/5/2006	DD	L	9	29	R	P	O	CA	3.6	-	N
WL036.00	5/8/2006	DD	E	12	29	R	-	C	CA	<3.0	-	N
WL036.00	6/19/2006	DD	L	17	26	R	-	C	CA	3.6	-	SE
WL036.00	8/14/2006	DD	H	19	29	R	-	C	CA	3.6	-	SE
WL036.00	9/25/2006	DD	F	18	30	R	P	C	CA	-	4	-
WL036.00	12/5/2006	DD	H	8	26	R	-	O	CA	-	<2.0	-



Station	Date	Collector	Tide	Temp	Sal	Strat	ADV	Stat	CLASS	A1COL	MFCOL	WIND
WL036.10	2/7/2006	JB	E	0	12	R	P	O	CA	3.6	-	CL
WL036.10	3/27/2006	DD	H	10	28	R	-	O	CA	<3.0	-	-
WL036.10	4/5/2006	DD	L	10	15	R	P	O	CA	3.6	-	N
WL036.10	5/8/2006	DD	E	14	26	R	-	C	CA	<3.0	-	N
WL036.10	6/19/2006	DD	LF	23	23	R	-	C	CA	3.6	-	SE
WL036.10	8/14/2006	DD	HF	19	28	R	-	C	CA	<3.0	-	SE
WL036.10	9/25/2006	DD	F	19	29	R	P	C	CA	-	2	-
WL036.10	12/5/2006	DD	H	7	28	R	-	O	CA	-	54	-
WL036.50	3/27/2006	DD	H	11	28	R	-	O	A	<3.0	-	-
WL036.50	5/8/2006	DD	E	14	26	R	-	O	A	<3.0	-	N
WL036.50	6/19/2006	DD	LF	24	22	R	-	O	A	9.1	-	SE
WL036.50	8/14/2006	DD	H	20	28	R	-	O	A	9.1	-	SE
WL036.50	9/25/2006	DD	F	20	29	R	P	O	A	-	12	-
WL036.50	11/29/2006	DD	E	9	21	R	P	O	A	-	<2.0	SW
WL036.70	3/27/2006	DD	H	11	26	R	-	O	R	<3.0	-	-
WL036.70	5/8/2006	DD	E	15	25	R	-	O	R	<3.0	-	N
WL036.70	6/19/2006	DD	LF	24	16	R	-	O	R	<3.0	-	SE
WL036.70	8/14/2006	DD	H	20	28	R	-	O	R	<3.0	-	SE
WL036.70	9/25/2006	DD	LF	21	25	R	P	O	R	-	10	-
WL036.70	11/29/2006	DD	E	10	20	R	P	O	R	-	<2.0	SW
WL036.90	3/27/2006	DD	H	12	26	R	-	C	P	<3.0	-	-
WL036.90	5/8/2006	DD	HE	16	26	R	NW	C	P	<3.0	-	N
WL036.90	6/19/2006	DD	LF	26	15	R	-	C	P	20	-	SE
WL036.90	8/14/2006	DD	HF	20	27	R	-	C	P	9.1	-	SE
WL036.90	9/25/2006	DD	LF	20	28	R	P	C	P	-	<2.0	-
WL036.90	11/29/2006	DD	E	11	20	R	P	C	P	-	2	SW
WL037.00	1/17/2006	JB	E		28	R	-	O	A	7.3	-	CL
WL037.00	3/27/2006	JB	H	3	32	R	-	O	A	<3.0	-	N
WL037.00	5/8/2006	LL	HE	10	30	R	-	O	A	3.6	-	S
WL037.00	6/19/2006	FP	LE	21	27	R	-	O	A	93	-	CL
WL037.00	8/14/2006	JB	F	18	31	R	-	O	A	<3.0	-	S
WL037.00	9/25/2006	EXT	F	15	30	R	-	O	R	-	2	N
WL037.00	11/7/2006	EXT	F	8	30	R	-	O	R	-	<2.0	SW
WL037.50	3/27/2006	JB	H	4	32	R	N	O	A	<3.0	-	NW
WL037.50	5/8/2006	LL	HE	10	31	R	-	O	A	<3.0	-	S
WL037.50	6/19/2006	FP	LE	20	28	R	-	O	A	<3.0	-	S
WL037.50	8/14/2006	JB	F	16	30	R	-	O	A	23	-	SE
WL037.50	9/25/2006	EXT	F	12	28	R	-	O	R	-	14	N
WL037.50	11/7/2006	EXT	F	7	30	R	-	O	R	-	2	SW
WL038.00	3/27/2006	JB	H	3	32	R	-	O	A	<3.0	-	NW
WL038.00	5/8/2006	LL	HE	10	31	R	-	O	A	<3.0	-	S
WL038.00	6/19/2006	FP	LE	20	27	R	-	O	A	3.6	-	S
WL038.00	8/14/2006	JB	F	16	31	R	-	O	A	<3.0	-	S
WL038.00	9/25/2006	EXT	F	13	30	R	-	O	A	-	9.1	NW
WL038.00	11/7/2006	EXT	F	8	30	R	-	O	A	-	<2.0	SW
WL040.00	3/27/2006	JB	H	2	32	R	-	C	P	<3.0	-	CL
WL040.00	5/8/2006	LL	HE	10	31	R	-	C	P	<3.0	-	S
WL040.00	6/19/2006	FP	LE		26	R	-	C	P	<3.0	-	S
WL040.00	8/14/2006	JB	F	16	31	R	-	C	P	9.1	-	S



Station	Date	Collector	Tide	Temp	Sal	Strat	ADV	Stat	CLASS	A1COL	MFCOL	WIND
WL040.00	9/25/2006	EXT	F	15	31	R	-	C	P	-	<2.0	CL
WL040.00	11/7/2006	EXT	F	8	31	R	-	C	P	-	<2.0	SW
WL042.00	3/27/2006	JB	HE	3	32	R	N	O	A	3.6	-	CL
WL042.00	5/8/2006	LL	HE	10	31	R	-	O	A	<3.0	-	S
WL042.00	7/17/2006	SXR	E		30	R	-	O	A	<3.0	-	CL
WL042.00	8/14/2006	JB	H	13	32	R	-	O	A	3.6	-	SW
WL042.00	9/25/2006	EXT	F	15	30	R	-	O	A	-	<2.0	NW
WL042.00	11/7/2006	EXT	HF	7	30	R	-	O	A	-	8	CL
WL044.00	3/27/2006	JB	HE	2	32	R	-	O	A	<3.0	-	CL
WL044.00	5/8/2006	LL	E	10	30	R	-	O	A	<3.0	-	S
WL044.00	6/19/2006	FP	LE	21	26	R	-	O	A	<3.0	-	S
WL044.00	8/14/2006	JB	F	13	31	R	-	O	A	<3.0	-	S
WL044.00	9/25/2006	EXT	F	12	31	R	-	O	A	-	2	CL
WL044.00	11/7/2006	EXT	HF	8	30	R	-	O	A	-	4	CL
WL044.50	3/27/2006	JB	HE	2	30	R	N	C	P	<3.0	-	CL
WL044.50	5/8/2006	LL	E	10	6	R	-	C	P	<3.0	-	S
WL044.50	7/17/2006	SXR	E		28	R	-	C	P	23	-	CL
WL044.50	8/14/2006	JB	F	21	31	R	N	C	P	<3.0	-	SE
WL044.50	9/25/2006	EXT	F	13	28	R	-	C	P	-	4	CL
WL044.50	11/7/2006	EXT	HF	6	23	R	N	C	P	-	42	CL
WL045.00	3/27/2006	JB	HE	3	32	R	N	O	A	<3.0	-	NW
WL045.00	5/8/2006	LL	E	10	30	R	-	O	A	<3.0	-	S
WL045.00	7/17/2006	SXR	E		30	R	-	O	A	23	-	CL
WL045.00	8/14/2006	JB	F	16	31	R	-	O	A	<3.0	-	SE
WL045.00	9/25/2006	EXT	F	13	30	R	-	O	A	-	22	CL
WL045.00	11/7/2006	EXT	H	7	30	R	-	O	A	-	2	CL
WL046.00	3/27/2006	JB	HE	4	32	R	N	O	A	<3.0	-	CL
WL046.00	5/8/2006	LL	E	10	30	R	-	O	A	<3.0	-	S
WL046.00	7/17/2006	SXR	E		30	R	-	O	A	9.1	-	CL
WL046.00	8/14/2006	JB	F	18	31	R	-	O	A	3.6	-	SE
WL046.00	9/25/2006	EXT	F	13	30	R	-	O	A	-	11	CL
WL046.00	11/7/2006	EXT	HF	7	30	R	-	O	A	-	4	SW
WL047.00	3/27/2006	JB	HE	4	32	R	N	O	A	<3.0	-	NW
WL047.00	5/8/2006	LL	E	10	30	R	-	O	A	<3.0	-	S
WL047.00	6/19/2006	FP	E	20	26	R	-	O	A	9.1	-	CL
WL047.00	8/14/2006	JB	F	16	31	R	-	O	A	<3.0	-	SE
WL047.00	9/25/2006	EXT	HF	14	30	R	-	O	R	-	2	CL
WL047.00	11/7/2006	EXT	H	7	29	R	-	O	R	-	102	SW
WL048.00	3/27/2006	JB	E	4	30	R	N	O	A	<3.0	-	CL
WL048.00	5/8/2006	LL	E	10	24	R	-	O	A	<3.0	-	S
WL048.00	6/19/2006	FP	E	20	26	R	-	O	A	9.1	-	CL
WL048.00	8/14/2006	JB	F	17	29	R	N	O	A	<3.0	-	S
WL048.00	9/25/2006	EXT	HF	15	28	R	-	O	A	-	6	CL
WL048.00	11/7/2006	EXT	H	7	25	R	-	O	A	-	<2.0	SW
WL048.50	3/27/2006	JB	E	4	32	R	-	O	A	<3.0	-	NW
WL048.50	5/8/2006	LL	E	10	31	R	-	O	A	<3.0	-	S
WL048.50	6/19/2006	FP	E	19	26	R	-	O	A	7.3	-	CL
WL048.50	8/14/2006	JB	F	13	31	R	-	O	A	<3.0	-	S
WL048.50	9/25/2006	EXT	HF	15	31	R	-	O	A	-	<2.0	NW



Station	Date	Collector	Tide	Temp	Sal	Strat	ADV	Stat	CLASS	A1COL	MFCOL	WIND
WL048.50	11/7/2006	EXT	H	7	30	R	-	O	A	-	2	SW
WL049.00	3/27/2006	JB	E	4	33	R	-	O	A	<3.0	-	NW
WL049.00	5/8/2006	LL	E	10	31	R	-	O	A	<3.0	-	S
WL049.00	6/19/2006	FP	E	20	26	R	-	O	A	3.6	-	CL
WL049.00	8/14/2006	JB	F	11	31	R	-	O	A	<3.0	-	S
WL049.00	9/25/2006	EXT	HF	14	30	R	-	O	A	-	2	CL
WL049.00	11/7/2006	EXT	H	7	31	R	-	O	A	-	<2.0	SW
WL051.00	3/27/2006	JB	E	3	32	R	-	O	A	<3.0	-	NW
WL051.00	5/8/2006	LL	E	10	31	R	-	O	A	3.6	-	S
WL051.00	6/19/2006	FP	E	20	27	R	-	O	A	3.6	-	CL
WL051.00	8/14/2006	JB	F	12	31	R	-	O	A	<3.0	-	CL
WL051.00	9/25/2006	EXT	HF	13	30	R	-	O	A	-	27	CL
WL051.00	11/7/2006	EXT	H	8	29	R	-	O	A	-	24	CL
WL052.00	3/27/2006	JB	E	3	32	R	-	C	P	<3.0	-	NW
WL052.00	5/8/2006	LL	E	11	31	R	-	C	P	<3.0	-	S
WL052.00	6/19/2006	FP	E	19	27	R	-	C	P	9.1	-	CL
WL052.00	8/14/2006	JB	F	13	31	R	-	C	P	15	-	S
WL052.00	9/25/2006	EXT	H	14	30	R	-	C	P	-	56	CL
WL052.00	11/7/2006	EXT	HE	7	31	R	-	C	P	-	9.1	SW
WL053.00	3/27/2006	JB	E	3	32	R	-	C	P	<3.0	-	NW
WL053.00	5/8/2006	LL	E	11	31	R	-	C	P	9.1	-	S
WL053.00	6/19/2006	FP	E	18	27	R	-	C	P	9.1	-	CL
WL053.00	8/14/2006	JB	F	15	31	R	-	C	P	3.6	-	S
WL053.00	9/25/2006	EXT	H	14	30	R	-	C	P	-	6	NW
WL053.00	11/7/2006	EXT	HE	7	31	R	-	C	P	-	2	SW
WL054.00	3/27/2006	JB	E	3	32	R	N	C	P	<3.0	-	NW
WL054.00	5/8/2006	LL	E	10	30	R	-	C	P	<3.0	-	S
WL054.00	6/19/2006	FP	E	19	26	R	-	C	P	<3.0	-	CL
WL054.00	8/14/2006	JB	F	12	31	R	W	C	P	9.1	-	S
WL054.00	9/25/2006	EXT	H	13	30	R	-	C	P	-	<2.0	CL
WL054.00	11/7/2006	EXT	HE	7	31	R	-	C	P	-	10	SW
WL057.00	3/27/2006	JB	E	4	32	R	-	C	P	<3.0	-	NW
WL057.00	5/8/2006	LL	E	11	24	R	-	C	P	<3.0	-	S
WL057.00	6/19/2006	FP	L	21	24	R	-	C	P	14	-	S
WL057.00	8/14/2006	JB	HF	14	32	R	-	C	P	9.1	-	SW
WL057.00	9/25/2006	EXT	H	14	30	R	-	C	P	-	2	W
WL057.00	11/7/2006	EXT	HE	8	30	R	-	C	P	-	2	CL
WL060.00	3/27/2006	JB	E	5	32	R	-	C	P	<3.0	-	CL
WL060.00	5/8/2006	LL	E	10	30	R	-	C	P	<3.0	-	S
WL060.00	6/19/2006	FP	L	21	25	R	-	C	P	<3.0	-	S
WL060.00	8/14/2006	JB	HF	13	31	R	W	C	P	<3.0	-	SW
WL060.00	9/25/2006	EXT	HE	14	31	R	-	C	P	-	2	CL
WL060.00	11/7/2006	EXT	HE	8	30	R	-	C	P	-	<2.0	SW
WL063.00	3/27/2006	JB	E	5	31	R	-	O	A	<3.0	-	NW
WL063.00	5/8/2006	LL	E	11	31	R	-	O	A	<3.0	-	S
WL063.00	6/19/2006	FP	LF	21	25	R	-	O	A	<3.0	-	S
WL063.00	8/14/2006	JB	HF	16	31	R	-	O	A	23	-	SW
WL063.00	9/25/2006	EXT	HE	14	30	R	-	O	A	-	<2.0	SW
WL063.00	11/7/2006	EXT	E	7	29	R	-	O	A	-	3.6	SW



Station	Date	Collector	Tide	Temp	Sal	Strat	ADV	Stat	CLASS	A1COL	MFCOL	WIND
WL068.00	3/27/2006	JB	E	5	31	R	-	O	A	<3.0	-	NW
WL068.00	5/8/2006	LL	E	11	30	R	-	O	A	<3.0	-	S
WL068.00	7/17/2006	SXR	E		28	R	-	O	A	<3.0	-	CL
WL068.00	8/14/2006	JB	HF	14	32	R	-	O	A	<3.0	-	SW
WL068.00	9/25/2006	EXT	HE	14	31	R	-	O	A	-	96	SW
WL068.00	11/7/2006	EXT	E	6	30	R	-	O	A	-	4	SW
WL070.00	3/27/2006	FP	HF	7	32	R	-	O	A	3.6	-	N
WL070.00	5/8/2006	JB	E	8	30	R	-	O	A	<3.0	-	SW
WL070.00	6/19/2006	LL	E	20	25	R	-	O	A	9.1	-	CL
WL070.00	8/14/2006	SXR	HE	19	31	R	-	O	A	9.1	-	S
WL070.00	9/25/2006	JXK	F	11	32	R	-	O	A	-	<2.0	NE
WL070.00	11/7/2006	FP	F	5	28	R	-	O	A	-	<2.0	NW
WL071.00	3/27/2006	FP	HF	7	30	R	-	C	P	<3.0	-	N
WL071.00	5/8/2006	JB	E	9	28	R	N	C	P	23	-	SW
WL071.00	6/19/2006	LL	E	20	24	R	-	C	P	3.6	-	CL
WL071.00	8/14/2006	SXR	HE	20	31	R	-	C	P	<3.0	-	S
WL071.00	9/25/2006	JXK	F	11	26	R	NW	C	P	-	18	NE
WL071.00	11/7/2006	FP	F	5	28	R	N	C	P	-	<2.0	CL
WL073.00	3/27/2006	FP	H	7	32	R	-	C	P	<3.0	-	CL
WL073.00	5/8/2006	JB	E	8	30	R	-	C	P	<3.0	-	CL
WL073.00	6/19/2006	LL	E	20	22	R	-	C	P	9.1	-	CL
WL073.00	8/14/2006	SXR	HE	20	31	R	-	C	P	93	-	CL
WL073.00	9/25/2006	JXK	F	11	30	R	-	C	P	-	2	NE
WL073.00	11/7/2006	FP	F	5	29	R	N	C	P	-	<2.0	NW
WL075.00	3/27/2006	FP	H	8	32	R	-	O	A	<3.0	-	CL
WL075.00	5/8/2006	JB	E	9	29	R	-	O	A	3.6	-	S
WL075.00	7/17/2006	SXR	HF		30	R	-	O	A	3.6	-	CL
WL075.00	8/14/2006	SXR	HE	22	31	R	-	O	A	3.6	-	CL
WL075.00	9/25/2006	JXK	F	12	30	R	-	O	A	-	4	NE
WL075.00	11/7/2006	FP	F	5	30	R	-	O	A	-	<2.0	CL
WL076.00	3/27/2006	FP	H	7	32	R	-	O	A	<3.0	-	CL
WL076.00	5/8/2006	JB	E	7	28	R	-	O	A	3.6	-	CL
WL076.00	7/17/2006	SXR	H		30	R	-	O	A	3.6	-	CL
WL076.00	8/14/2006	SXR	HE	22	30	R	-	O	A	23	-	S
WL076.00	9/25/2006	JXK	F	11	30	R	-	O	A	-	<2.0	NE
WL076.00	11/7/2006	FP	F	5	28	R	-	O	A	-	2	CL
WL077.00	3/27/2006	FP	HE	8	32	R	-	O	A	<3.0	-	N
WL077.00	5/8/2006	JB	E	8	30	R	-	O	A	<3.0	-	W
WL077.00	6/19/2006	LL	E	20	26	R	-	O	A	3.6	-	CL
WL077.00	9/25/2006	JXK	F	10	30	R	W	O	A	-	6	NE
WL077.00	10/23/2006	EXT	HF	8	24	R	P	O	A	-	24	N
WL077.00	11/7/2006	FP	F	5	30	R	-	O	A	-	<2.0	CL
WL079.00	3/27/2006	FP	HE	8	32	R	-	O	A	<3.0	-	CL
WL079.00	5/8/2006	JB	E	7	30	R	B	O	A	3	-	SE
WL079.00	6/19/2006	LL	LE	20	23	R	-	O	A	43	-	CL
WL079.00	8/14/2006	SXR	E	18	31	R	B	O	A	3.6	-	S
WL079.00	9/25/2006	JXK	F	9	32	R	-	O	A	-	<2.0	NW
WL079.00	11/7/2006	FP	HF	6	28	R	-	O	A	-	<2.0	S
WL081.00	3/27/2006	FP	HE	8	32	R	-	C	P	<3.0	-	CL



Station	Date	Collector	Tide	Temp	Sal	Strat	ADV	Stat	CLASS	A1COL	MFCOL	WIND
WL081.00	5/8/2006	JB	E	8	30	R	B	C	P	<3.0	-	SE
WL081.00	6/19/2006	LL	LE	20	24	R	-	C	P	15	-	CL
WL081.00	8/14/2006	SXR	E	19	31	R	-	C	P	150	-	S
WL081.00	9/25/2006	JXK	F	10	30	R	-	C	P	-	2	NW
WL081.00	11/7/2006	FP	HF	6	29	R	-	C	P	-	4	S
WL085.00	3/27/2006	FP	HE	8	32	R	-	C	P	<3.0	-	CL
WL085.00	5/8/2006	JB	E	11	28	R	N	C	P	23	-	SE
WL085.00	6/19/2006	LL	LE	20	2	R	N	C	P	7.3	-	CL
WL085.00	8/14/2006	SXR	E	21	26	R	B	C	P	7.3	-	S
WL085.00	9/25/2006	JXK	HF	12	26	R	N	C	P	-	<2.0	NW
WL085.00	11/7/2006	FP	HF	6	12	R	-	C	P	-	<2.0	S
WL087.00	1/17/2006	JB	F		31	R	-	O	CA	<3.0	-	W
WL087.00	2/7/2006	JB	E	3	30	R	P	O	A	<3.0	-	CL
WL087.00	3/27/2006	FP	HE	7	32	R	-	O	A	<3.0	-	CL
WL087.00	5/8/2006	JB	E	11	30	R	W	O	A	3.6	-	SE
WL087.00	7/17/2006	SXR	H		28	R	-	O	A	150	-	S
WL087.00	8/14/2006	SXR	E	21	30	R	-	O	A	93	-	S
WL087.00	9/25/2006	JXK	HF	11	30	R	-	O	A	-	<2.0	NW
WL087.00	11/7/2006	FP	HF	6	28	R	-	O	A	-	52	S
WL089.00	3/27/2006	FP	E	7	32	R	-	C	P	<3.0	-	CL
WL089.00	5/8/2006	JB	E	9	30	R	-	C	P	3.6	-	CL
WL089.00	6/19/2006	LL	LE	20	25	R	-	C	P	3.6	-	CL
WL089.00	8/14/2006	SXR	E	19	31	R	-	C	P	3.6	-	CL
WL089.00	9/25/2006	JXK	HF	11	30	R	-	C	P	-	24	CL
WL089.00	11/7/2006	FP	HF	6	28	R	-	C	P	-	<2.0	CL
WL095.50	3/27/2006	FP	E	8	32	R	-	C	P	<3.0	-	CL
WL095.50	5/8/2006	JB	E	9	30	R	-	C	P	<3.0	-	SE
WL095.50	6/19/2006	LL	LE	20	24	R	-	C	P	<3.0	-	CL
WL095.50	8/14/2006	SXR	E	20	30	R	-	C	P	9.1	-	CL
WL095.50	9/25/2006	JXK	HF	11	30	R	-	C	P	-	4	NW
WL095.50	11/7/2006	FP	H	6	27	R	NW	C	P	-	2	S
WL096.00	3/27/2006	FP	E	7	32	R	-	O	A	<3.0	-	CL
WL096.00	5/8/2006	JB	E	10	20	R	NW	O	A	3.6	-	NE
WL096.00	7/17/2006	SXR	H		28	R	-	O	A	3.6	-	CL
WL096.00	8/14/2006	SXR	E	22	28	R	-	O	A	23	-	S
WL096.00	9/25/2006	JXK	HF	11	30	R	N	C	P	-	6	NW
WL096.00	11/7/2006	FP	H	6	27	R	-	C	P	-	2	CL
WL096.00	12/11/2006	JB	F	4	28	R	N	C	P	-	2	W
WL097.00	9/25/2006	JXK	H	11	30	R	-	O	A	-	<2.0	NW
WL097.00	12/5/2006	JB	E	5	32	R	-	O	A	-	2	CL
WL098.00	3/27/2006	FP	E	8	32	R	-	O	A	<3.0	-	CL
WL098.00	7/17/2006	SXR	HE		28	R	-	C	P	<3.0	-	CL
WL098.00	8/14/2006	SXR	E	20	29	R	-	C	P	9.1	-	S
WL098.00	9/25/2006	JXK	H	11	30	R	N	C	P	-	10	NW
WL098.00	10/23/2006	EXT	HF	9	24	R	PN	C	P	-	78	N
WL098.00	11/7/2006	FP	H	6	27	R	-	C	P	-	4	S
WL099.00	3/27/2006	FP	E	9	32	R	-	O	A	<3.0	-	CL
WL099.00	5/8/2006	JB	E	10	30	R	-	O	A	<3.0	-	CL
WL099.00	6/19/2006	LL	L	20	24	R	-	O	A	3.6	-	CL



Station	Date	Collector	Tide	Temp	Sal	Strat	ADV	Stat	CLASS	A1COL	MFCOL	WIND
WL099.00	8/14/2006	SXR	E	20	31	R	B	O	A	3.6	-	S
WL099.00	9/25/2006	JXK	H	10	30	R	-	O	A	-	<2.0	SE
WL099.00	11/7/2006	FP	HE	6	28	R	-	O	A	-	3.6	S
WL101.00	3/27/2006	FP	E	9	30	R	-	O	A	<3.0	-	CL
WL101.00	5/8/2006	JB	E	11	30	R	-	O	A	<3.0	-	CL
WL101.00	7/17/2006	SXR	HE		28	R	-	O	A	3.6	-	CL
WL101.00	8/14/2006	SXR	E	19	31	R	-	O	A	9.1	-	S
WL101.00	9/25/2006	JXK	H	13	30	R	-	O	A	-	8	SE
WL101.00	11/7/2006	FP	HE	7	28	R	-	O	A	-	11	SW
WL102.00	3/27/2006	FP	E	10	31	R	-	O	A	<3.0	-	N
WL102.00	7/17/2006	SXR	HE		28	R	-	O	A	23	-	CL
WL102.00	8/14/2006	SXR	E	20	31	R	-	O	A	<3.0	-	S
WL102.00	9/25/2006	JXK	H	11	30	R	-	O	A	-	4	SW
WL102.00	10/23/2006	EXT	HF	8	20	R	P	O	A	-	90	N
WL102.00	11/7/2006	FP	HE	6	29	R	-	O	A	-	2	SW
WL103.00	3/27/2006	FP	E	9	32	R	-	O	A	<3.0	-	CL
WL103.00	5/8/2006	JB	E	9	30	R	-	O	A	3.6	-	SE
WL103.00	6/19/2006	LL	L	18	27	R	-	O	A	<3.0	-	CL
WL103.00	8/14/2006	SXR	E	20	30	R	-	O	A	<3.0	-	S
WL103.00	9/25/2006	JXK	H	10	30	R	-	O	A	-	<2.0	SW
WL103.00	11/7/2006	FP	HE	6	29	R	-	O	A		4	



Appendix C. Key to water quality table headers.

Station = water quality monitoring station

Class = classification assigned to the station; prohibited (P), restricted (R), conditionally restricted (CR), conditionally approved (CA) and approved (A).

Count = the number of samples evaluated for classification, must be a minimum of 30.

MFCNT = the number of samples evaluated with the MTec method (included in the total Count column)

Geo_Mean = means the antilog (base 10) of the arithmetic mean of the sample result logarithm (base 10).

SDV = standard deviation

Max = maximum score of the 30 data points in the count column

P90 = 90th percentile

APPD_STD = the 90th percentile, at or below which the station would meet approved criteria in the absence of pollution sources or poisonous and deleterious substances.

RESTR_STD = the 90th percentile, at or below which the station would meet restricted criteria.