GROWING AREA WS

Muscongus Bay

Towns of Bristol, Bremen, Waldoboro and Friendship

Annual Report for 2006

Report Date: February 12, 2007
Final Version 7/20/07

Jan Barter

APPROVAL

Division Director:

_____ _____ Date: _____
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DRAFT REVIEW ROUTING FORM

Date in Process:
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The attached draft is for your evaluation and comment. Suggested changes should be concise and reasons specific. Return to sender.

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Division Director:

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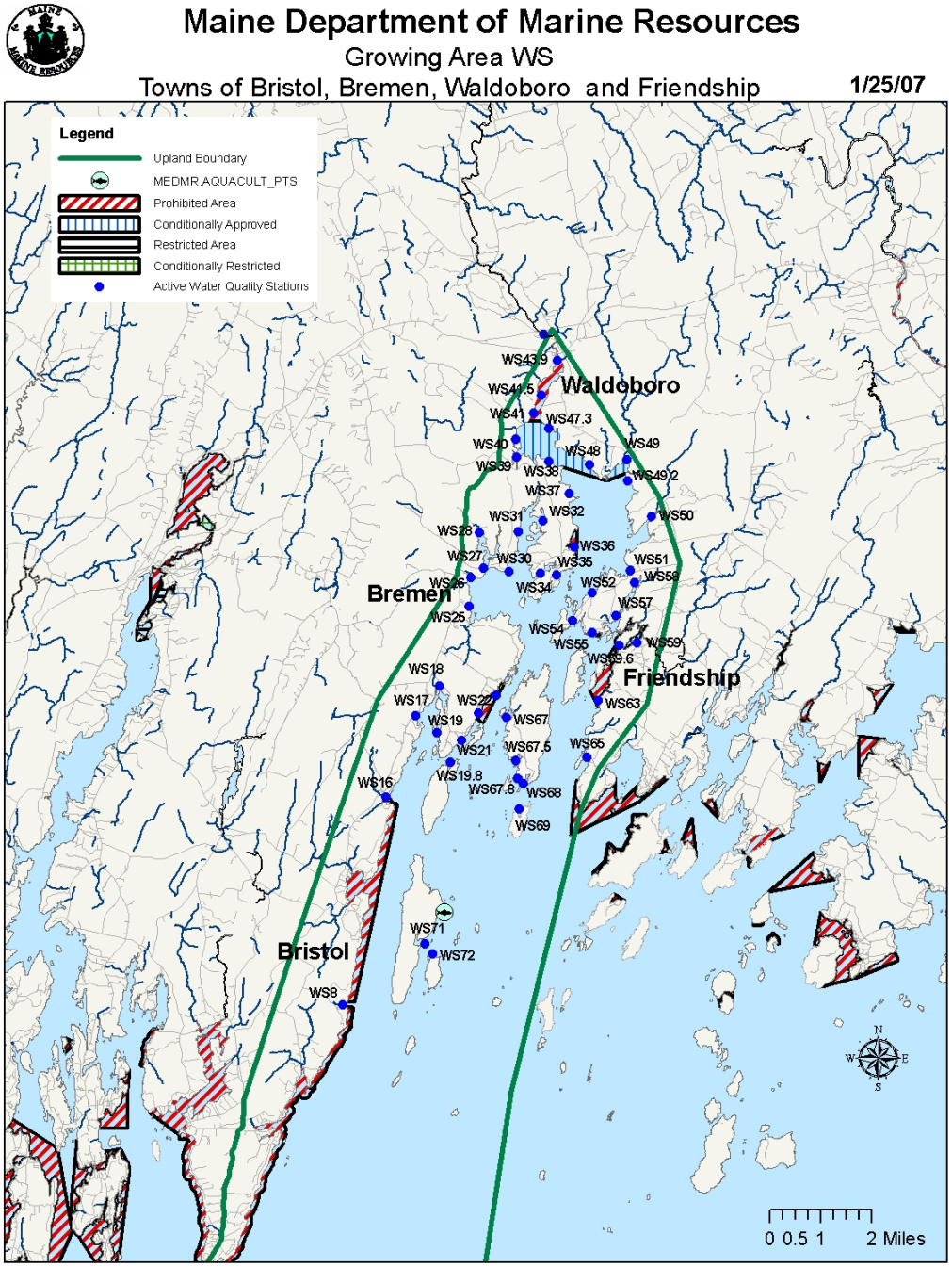
TABLE OF CONTENTS

Current Map

Please refer to the map below showing shellfish growing area WS with the upland boundary, the sampling stations, the shellfish lease sites and the current shellfish classifications.

The current legal notice for this area can be viewed online at:

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



Executive Summary

Shellfish Growing Area WS begins at Pemaquid Point, Bristol and ends at Martin Point, Friendship and is comprised of the Medomak River and Muscongus Bay. The only municipal treatment facility in this growing area is a lagoon system, with no discharge, located in the town of Waldoboro well away from the river on Rt. #220N. Other than in-town Waldoboro, the majority of residences in the area have private in-ground systems, or licensed overboard discharge systems. There are also a few outhouses, chemical toilets or composting toilets at seasonal properties. There are no marinas; however, there are several piers which provide support to local lobstering and fishing activities. These are predominantly located in the prohibited areas of New Harbor, Round Pond and Muscongus Harbor. There are two boat building facilities. One is located in Bremen and constructs catamarans but it is located on Route #32 more than 1300' from the shore. The other is located inside the closure at Round Pond and builds no more than one or two boats per year.

WS has a rainfall conditionally approved area. The review is included in this report. This review includes numerous classification changes, two required downgrades and three requested upgrading in classification.

Boundary Description

Area S lies inside a line extending south and offshore from Pemaquid Point following the shellfish management zone line; AND extending north along the Bristol Road to the intersection of Huddle Rd, then north to the intersection of Route 32 and Elliott Hill Rd., then north to the intersection of Biscay Rd. and Waldoboro Rd., then northeast to the intersection of Waldoboro Rd. and Turner Rd., then north along Waldoboro Rd., which becomes Bremen Rd., to the intersection with Rt. #1 (Atlantic Highway), then east to the intersection of Jefferson St. (which turns into the Friendship Rd.) and Atlantic Hwy., then southeast to the intersection of Friendship Rd. and Mayo Rd., then south to the intersection of Friendship Rd and Back Cove, then south to the intersection of Waldoboro Rd (aka Friendship Rd.) and Forest Lake Rd, then southwest to the intersection of Flood Cove Rd and White Cedar Rd, then southwest to Martin Pt, then southwest and offshore following the shellfish management zone line.

Current Classifications

Shellfish growing Area WS currently has shellfish areas classified as;
Prohibited (10 stations)
Approved (30 stations)
Conditionally Approved (7 stations).

The legal notices which describe theses areas area listed later in this report along with a link to the web page where they may be viewed.

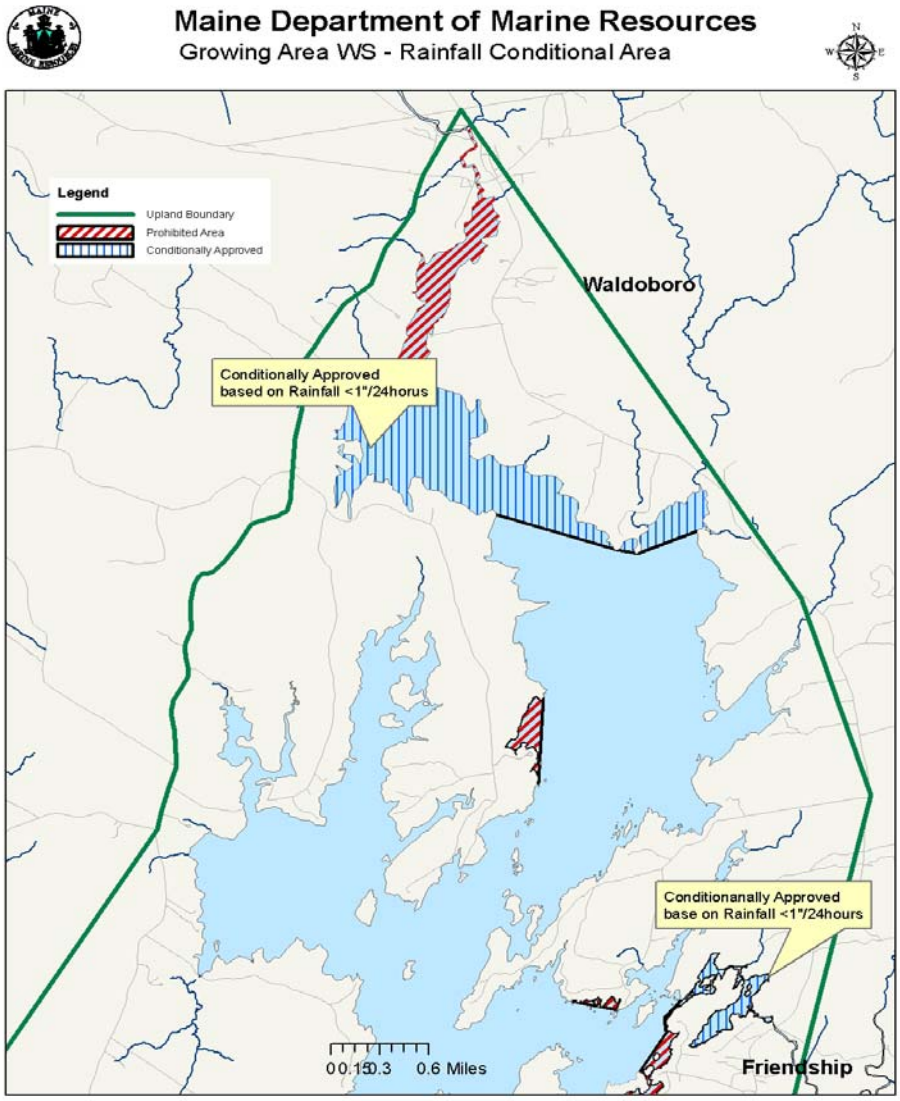
Current Management plan(s)

There is one conditionally managed area in Growing Area WS, it has two sections. The larger section is located in the upper portion of the Medomak River. The smaller section is located at the mouth of what is referred to as "Goose River" on the Friendship- Waldoboro town line. Both sections are conditional on $\geq$ 1" of rainfall /24hours. The management plan is on file in the central files.

Current Annual Review of Management Plan:

ANNUAL REVIEW for 2006
MEDOMAK RIVER CONDITIONAL AREA - C 26
SHELLFISH GROWING AREA WS

The portion of the Medomak River that is classified as conditional, based on rainfall (closes on ≥1" /24 hours), and the management plan governing it are evaluated yearly.



There were 9 events which necessitated the closing of the conditional area (1/17/06, 2/6/06, 4/5/06, 5/16/06, 6/5/06, 7/24/06, 9/5/06, 10/12/06 and 12/27/06). In each instance, the steps for notification were adhered to and notification of the appropriate persons/agencies was prompt and accurate.

Based on past and present levels communication with the Waldoboro Shellfish Warden there is no reason to doubt that reporting will be immediate and thorough should a rainfall event of ≥ 1"/24hours occur.

The Waldoboro municipal Shellfish Warden is required, by the management plan, to notify: State Police (if the problem occurs during non business hours) who in turn notifies Marine Patrol Division I at Boothbay Harbor, and during normal business hours the DMR in Boothbay Harbor (see management plan for details).

The cooperation between the Waldoboro Shellfish Warden and DMR has been excellent. Notification is always prompt and phone messages with any questions which may arise are always returned in a timely fashion.

The annual review of the water quality for the active stations located within the conditional areas (it is broken into two sections but based on the same rainfall amount) indicates compliance with criteria as outlined in the Model Ordinance. Please note data table below:

MAINE DEPARTMENT OF MARINE RESOURCES As of: February 26, 2007

Fecal Coliform Geometric Mean and Percent Variability For the Years 2002 Through 2006 - (01/01 - 12/31)
Status = Open Stations Only; Strategy = Random Only
Excludes Flood Data and Inactive Stations
Samples Limited to Latest 30
Salinity >= 0 %

STATION	CLASS	CNT	MFCNT	GM	SDV	MAX	P90	APPD_STD	RESTR_STD
WS038.00	CA	30	5	5.3	0.58	1100	29.4	45	271
WS039.00	CA	30	5	5.8	0.44	93	21.6	45	271
WS040.00	CA	30	5	6.7	0.44	93	24.7	45	271
WS047.30	CA	30	5	4.6	0.33	23	12.2	45	271
WS048.00	CA	30	5	4.6	0.47	150	18.4	45	271
WS049.00	CA	30	5	5.3	0.42	92	18.4	45	271
WS059.00	CA	30	5	7.7	0.51	43	34.5	45	271

The pollution sources in the C26 conditional area are of a non-point nature, with pollution entering the estuary via numerous drainages gullies and intermittent streams that often flow following rainfall events of ≥ 1"/24hours.

Water quality samples are collected at least 6 times per year, in the open status, from the conditional areas. The results of these samples indicate that the areas are properly classified according to NSSP/ MO guidelines.

The findings of this annual evaluation indicate compliance with all sections of this management plan. The area continues to be appropriately classified as conditionally approved based on a closure criterion of rainfall ≥ 1"/24 hours.

DMR and the Waldoboro Shellfish Warden shall evaluate the Medomak River Management Plan on an annual basis. At the time of the annual review all parties involved in the proper management of the Medomak River conditional areas shall agree to abide by and adhere to the conditions stated therein.

There is no management plan for the Waldoboro STP. The plant is now a lagoon system with no outfall to the river.

Review of Water Quality

Transitioning to Membrane Filtration for Seawater and Pollution Source Samples

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. This 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.

As a result of this review there will be six changes discussed; two necessary down grades and three recommended upgrades.

The water quality in the majority of shellfish Growing Area WS has continued to be good however, there appears to be a problem at the northern end of Back River as station WS58 no longer meets approved criteria. This is also true of the northern end of Broad Cove and the Western Branch in Bremen, stations WS26, 27, 28. There are no identified point sources of pollution in either of these sections; however, there are seasonal streams and runoffs that flow out of large wooded tracks of land frequented by deer and other wildlife. Both of these areas should be reclassified restricted. A key to the water quality table headers can be found in Attachment A at the end of this document.

MAINE DEPARTMENT OF MARINE RESOURCES As of: February 27, 2007

Fecal Coliform Geometric Mean and Percent Variability
For the Years 2002 Through 2006 - (01/01 - 12/31)
Status = Open and Closed Stations
Strategy = Random Only
Excludes Flood Data
Excludes Inactive Stations
Samples Limited to Latest 30
Salinity >= 0 %

STATION	CLASS	CNT	MFCNT	GM	SDV	MAX	P90	APPD_STD	RESTR_STD
WS008.00	A	30	3	5.6	0.57	460	29.8	47	282

WS016.00	P	30	3	4.7	0.49	240	19.9	47	282
WS017.00	A	30	3	4.5	0.53	1200	21.3	47	282
WS018.00	A	30	3	6.1	0.61	1100	36.6	47	282
WS019.00	A	30	4	4.1	0.38	93	12.6	46	277
WS019.80	A	29	3	2.9	0.07	3.6	3.5	47	282
WS021.00	A	30	3	4.6	0.41	75	15.3	47	282
WS022.00	P	30	3	6.6	0.57	460	35.6	47	282
WS024.00	P	30	3	4.9	0.51	460	21.7	47	282
WS025.00	A	30	3	6.4	0.57	460	34.2	47	282
WS026.00	A	30	3	6.5	0.70	1100	51.3	47	282
WS027.00	A	30	3	7.5	0.67	1200	54.5	47	282
WS028.00	A	30	4	7.4	0.67	460	53.5	46	277
WS030.00	A	30	3	5.1	0.58	460	28.3	47	282
WS031.00	A	30	3	4.7	0.42	93	16.3	47	282
WS032.00	A	30	3	4.2	0.51	240	18.6	47	282
WS034.00	A	30	3	4.8	0.46	93	18.7	47	282
WS035.00	A	30	3	4.6	0.46	156	17.7	47	282
WS036.00	P	30	3	7.0	0.54	240	34.4	47	282
WS037.00	A	30	3	5.9	0.51	134	26.6	47	282
WS038.00	CA	30	6	8.9	0.66	1100	62.1	45	266
WS039.00	CA	30	6	10.6	0.65	520	71.7	45	266
WS040.00	CA	30	6	12.1	0.71	960	97.0	45	266
WS041.00	P	30	6	11.5	0.64	460	76.8	45	266*
WS041.50	P	30	5	15.0	0.67	240	107.7	45	271
WS043.90	P	30	4	53.9	0.76	1100	507.3	46	277
WS046.00	P	27	4	65.9	0.70	460	514.2	46	274
WS047.30	CA	30	6	7.9	0.67	620	57.2	45	266
WS048.00	CA	30	6	4.9	0.45	88	18.5	45	266
WS049.00	CA	30	6	6.3	0.56	280	33.0	45	266
WS049.20	A	14	6	4.5	0.37	23	13.9	40	231
WS050.00	A	29	5	7.2	0.56	260	37.2	45	270
WS051.00	A	30	3	5.5	0.41	93	18.1	47	282
WS052.00	A	30	3	5.2	0.61	1200	31.9	47	282
WS054.00	A	30	3	5.5	0.52	240	25.3	47	282
WS055.00	P	30	3	4.7	0.49	800	19.9	47	282
WS057.00	A	30	3	5.4	0.44	70	19.4	47	282
WS058.00	A	30	3	8.5	0.64	460	56.3	47	282
WS059.00	CA	30	6	8.4	0.67	460	60.7	45	266
WS059.60	P	30	3	5.9	0.51	240	26.3	47	282
WS063.00	P	30	3	3.9	0.29	23	9.0	47	282
WS065.00	A	30	3	4.0	0.36	70	11.6	47	282
WS067.00	A	29	3	3.2	0.15	9.1	5.0	47	282
WS067.50	A	28	3	3.0	0.06	4	3.6	47	281
WS067.80	A	28	3	3.3	0.22	15	6.2	47	281
WS068.00	A	29	3	2.9	0.11	9.1	4.1	47	282
WS069.00	A	29	3	2.9	0.06	3.6	3.5	47	282
WS071.00	A	29	3	2.8	0.07	3.6	3.4	47	282
WS072.00	A	29	3	2.9	0.11	9.1	4.1	47	282

* This station should be become part of the rainfall conditional area.

There are three areas being recommended for reclassification to approved. The first of these is located in outer Back River Cove, near Bartlett Point (WS55). A questionable septic system located adjacent to station WS55 was replaced several years ago and water quality has returned to approved criteria. The area was kept closed as a precaution to make sure that the replaced system was the only problem. There are no other identified pollution sources in the area.

The second section recommended for reclassification to approved is the area abutting the Dutch Neck launching ramp (WS36). No point sources of pollution were ever identified as a result of survey work in the area after the 2002 closing due to elevated scores and the water quality has improved to meet approved criteria.

The third section is that portion of the upper Medomak, just north of the upper boundary of the conditionally approved area. The town has been working on pollution abatement for the past several years. DEP has resurveyed the area and several pollution sources have been removed and the STP no longer discharges to the river. Analysis of the data, excluding data where 1" of rain had fallen within 24 hours of sample collection date, supports reclassifying (GM 6.4 and P90 18.4) the portion of the area between the current closure line and station WS41 to conditionally approved, making it part of the adjoining rainfall conditional area. Despite everyone's efforts the section of river north of that to (WS41.5) does not meet conditionally approved criteria. It does however meet restricted standards and as there are no identified point sources of pollution present it is recommended that it be reclassified to restricted.

All of the current water sampling stations in shellfish growing area WS were sampled six times during the 2006 sampling season. All conditionally approved stations were sampled six times in the open status.

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.

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 added or deactivated in 2006.

Shoreline Survey Activity

No shoreline surveys were conducted in this growing area in 2006.

Shellfish Aquaculture and/or Wet Storage Activities

There are no wet storage permits in the growing area. There is currently one lease site in this growing area. The lease site information for the lessee is shown below. If you go to the web address shown below you can see the locations of the lease sites on a map of Muscongus Bay, they are also shown on the attached annual review map.

http://www.maine.gov/dmr/aquaculture/leaseinventory2006/musconguspbay.htm

Monaco, Albert
Albert Monaco
29 Branch Road
Damariscotta, ME 04543
207-563-5775 Fax:

Description: Louds Island Muscongus Bay Bristol Lincoln County

Species Cultivated: oyster eastern / american (Crassostrea virginica) - oyster european flat (Ostrea eduli

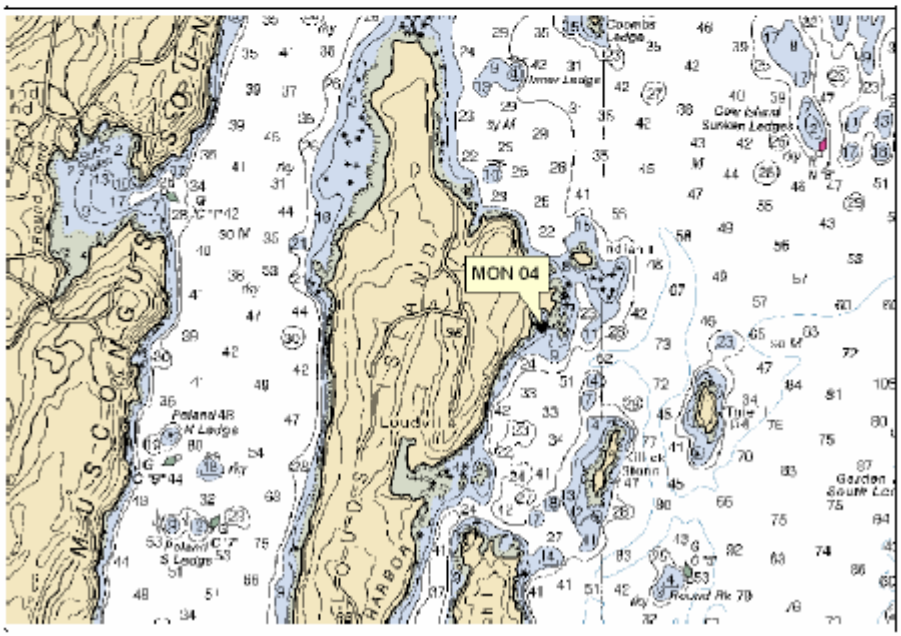
Cultivation Technique(s): Soft Bags

Conditions:

Original Date: **Effective Date:** 1/30/2007 **Expiration Date:** 12/31/2007

Transfer/Renewal History: Formerly LPA Licenses 2004-15 and 2005-36.

Acreage: 0.01 **NOAA Chart:** 13301



Conclusion

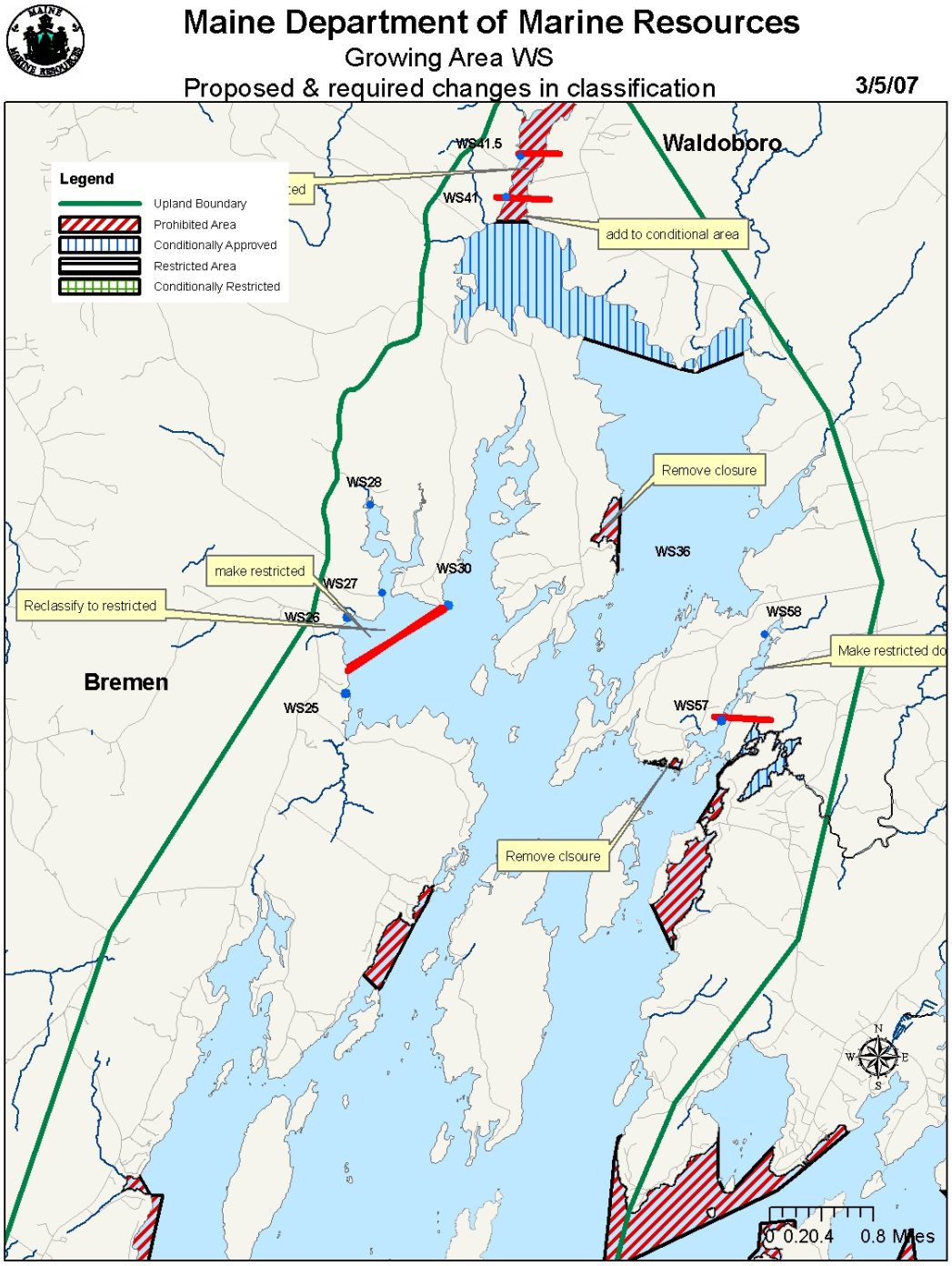
Shellfish growing area WS continues to have good water quality scores. The all large amount of the region is very rural with large tracts of undeveloped woodland and fields. There are no industries or large businesses along the shore. There are numerous OBDs along Pemaquid Neck and consequently, the whole area is prohibited. In the rest of the growing area, the most likely threat to the water quality in this area would be private septic systems that border on the shore. Shoreline surveys of the area have shown that these systems are well maintained and are not contributing to the degradation of the water quality in this area at this time.

As a result of this review there are six proposed changes in classification; three requested and two required.

- The upper end of Back River in south Waldoboro, WS58, should be reclassified as restricted.

- The northern portion of Broad Cove and the Western Branch in Bremen, WS26, 27, and 28, should be reclassified as restricted.
- The following two sections are proposed to be reclassified as approved.: The area surrounding the Dutch Neck boat ramp and the area around Bartlett Point.
- The area between the current upper boundary of the rainfall conditional area and station WS 41 should be added to the conditional area.
- The section of river north of that up to and including station WS41.5 meets restricted criteria and is recommend to be so classified.

Proposed and Required Classification Changes Map



Attachment A. 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.

Tabulated Data

MAINE DEPARTMENT OF MARINE RESOURCES As of: February 27, 2007
Tabulated Station Data for Area(s): WS - WS
For the Years 2006 Through 2006 - (01/01 - 12/31) (-)
Exclude Dates:
Status = Open and Closed Stations
Strategy = Random Only
Excludes Flood Data = Y
Excludes Inactive Stations

Station	Date	Collector	Tide	Temp	Weather	Sal	Strat	ADV	Stat	CL	FECOL	A1COL	MFCOL	WIND
WS008.00	02/27/06	JB	HF	-2	O	32	R	N	O	A		<3.0	-	NW
WS008.00	03/01/06	FP	F	4	O	32	R	-	O	A		<3.0	-	CL
WS008.00	05/16/06	JB	F	7	R	15	R	PN	O	A		23	-	E
WS008.00	08/29/06	SXR	F	15	O	30	R	P	O	A		-	<2.0	NW
WS008.00	11/14/06	JB	F		R	24	R	PN	O	A		-	44	CL
WS008.00	11/27/06	EXT	F	6	-	30	R	-	O	A		-	<2.0	E
WS016.00	02/06/06	LL	E	3	C	30	R	P	C	P		<3.0	-	SW
WS016.00	03/01/06	FP	F	2	O	32	R	-	C	P		<3.0	-	CL
WS016.00	05/16/06	JB	F	8	R	8	R	PN	C	P		93	-	E
WS016.00	08/29/06	SXR	F	16	O	30	R	P	C	P		-	<2.0	NW
WS016.00	11/14/06	JB	F		R	28	R	PN	C	P		-	18	CL
WS016.00	11/27/06	EXT	F	7	-	28	R	-	C	P		-	<2.0	CL
WS017.00	02/06/06	LL	E	3	C	26	R	P	O	A		<3.0	-	SW
WS017.00	03/01/06	FP	F	2	O	32	R	-	O	A		<3.0	-	CL
WS017.00	05/16/06	JB	F	8	R	12	R	PN	O	A		43	-	SE
WS017.00	08/29/06	SXR	F	16	O	30	R	P	O	A		-	<2.0	NW
WS017.00	11/14/06	JB	F		R	28	R	P	O	A		-	12	CL
WS017.00	11/27/06	EXT	F	8	-	30	R	-	O	A		-	<2.0	CL
WS018.00	02/27/06	JB	HF	-4	O	32	R	-	O	A		<3.0	-	W
WS018.00	03/01/06	FP	F	1	O	33	R	-	O	A		<3.0	-	W
WS018.00	05/16/06	JB	F	8	R	0	R	P	O	A		1100	-	CL
WS018.00	08/29/06	SXR	HF	17	O	30	R	P	O	A		-	10	NW
WS018.00	11/27/06	EXT	HE	6	-	28	R	-	O	A		-	3.6	CL
WS018.00	12/04/06	JB	E	5	S	28	R	PN	O	A		-	2	NE
WS019.00	03/01/06	FP	F	1	O	33	R	-	O	A		<3.0	-	W
WS019.00	05/16/06	JB	F	8	R	28	R	P	O	A		3	-	CL
WS019.00	08/29/06	SXR	F	15	O	31	R	P	O	A		-	<2.0	NW
WS019.00	09/20/06	JB	E	13	O	32	R	P	O	A		-	2	NW
WS019.00	11/14/06	JB	F		R	30	R	P	O	A		-	35	CL
WS019.00	11/27/06	EXT	F	7	-	30	R	-	O	A		-	<2.0	CL
WS019.80	04/26/06	FP	HE		C	32	R	-	O	A		<3.0	-	S
WS019.80	06/20/06	FP	L	14	C	28	R	-	O	A		<3.0	-	S
WS019.80	07/12/06	FP	HE	15	-	30	R	P	O	A		3.6	-	S
WS019.80	09/05/06	JB	E	12	-	30	R	P	O	A		-	<2.0	S
WS019.80	10/03/06	FP	E		O	30	R	-	O	A		-	<2.0	SW
WS019.80	10/17/06	FP	E	11	-	32	R	-	O	A		-	<2.0	S
WS021.00	02/06/06	LL	LE	3	C	31	R	P	O	A		<3.0	-	SW
WS021.00	03/01/06	FP	F	2	O	32	R	-	O	A		<3.0	-	CL
WS021.00	05/16/06	JB	F	7	R	28	R	PB	O	A		23	-	CL
WS021.00	08/29/06	SXR	F	15	O	31	R	P	O	A		-	<2.0	NW
WS021.00	11/14/06	JB	F		R	28	R	PB	O	A		-	15	SW
WS021.00	11/27/06	EXT	F	7	-	30	R	-	O	A		-	<2.0	CL
WS022.00	02/06/06	LL	LE	3	C	30	R	P	C	P		<3.0	-	SW
WS022.00	03/01/06	FP	F	3	O	32	R	-	C	P		<3.0	-	CL
WS022.00	05/16/06	JB	F	8	R	21	R	PB	C	P		460	-	CL
WS022.00	08/29/06	SXR	F	16	O	30	R	P	C	P		-	<2.0	NW
WS022.00	11/14/06	JB	LF		R	28	R	P	C	P		-	<2.0	SE
WS022.00	11/27/06	EXT	F	7	-	30	R	-	C	P		-	<2.0	CL
WS024.00	02/06/06	LL	LE	3	C	31	R	P	C	P		3.6	-	SW
WS024.00	03/01/06	FP	F	1	O	32	R	-	C	P		<3.0	-	CL
WS024.00	05/16/06	JB	F	8	R	22	R	P	C	P		460	-	CL
WS024.00	08/29/06	SXR	F	16	O	30	R	P	C	P		-	<2.0	NW
WS024.00	11/14/06	JB	LF		R	28	R	P	C	P		-	22	SE
WS024.00	11/27/06	EXT	F	7	-	30	R	-	C	P		-	2	CL
WS025.00	02/27/06	JB	H	-4	O	29	R	-	O	A		<3.0	-	W
WS025.00	03/01/06	FP	F	1	O	32	R	-	O	A		<3.0	-	CL
WS025.00	05/16/06	JB	F	8	R	6	R	PN	O	A		460	-	CL

WS025.00	08/29/06	SXR	F	17	O	30	R	PN	O	A	-	<2.0	NW
WS025.00	11/27/06	EXT	F	7	-	28	R	N	O	A	-	<2.0	CL
WS025.00	12/04/06	JB	E	4	S	26	R	P	O	A	-	22	CL
WS026.00	02/27/06	JB	H	-3	O	31	R	-	O	A	<3.0	-	W
WS026.00	03/01/06	FP	F	1	O	32	R	-	O	A	<3.0	-	CL
WS026.00	05/16/06	JB	HF	7	R	2	R	PN	O	A	460	-	E
WS026.00	08/29/06	SXR	F	17	O	30	R	P	O	A	-	<2.0	NW
WS026.00	11/27/06	EXT	F	8	-	25	R	-	O	A	-	4	CL
WS026.00	12/04/06	JB	E	4	S	30	R	P	O	A	-	<2.0	N
WS027.00	02/06/06	LL	LE	3	C	16	R	P	O	A	5.7	-	SW
WS027.00	03/01/06	FP	F	1	O	32	R	-	O	A	<3.0	-	N
WS027.00	05/16/06	JB	HF	8	R	26	R	P	O	A	93	-	S
WS027.00	08/29/06	SXR	F	17	O	30	R	P	O	A	-	<2.0	NW
WS027.00	11/14/06	JB	LF		R	17	R	P	O	A	-	64	SE
WS027.00	11/27/06	EXT	F	7	-	28	R	-	O	A	-	<2.0	CL
WS028.00	02/27/06	JB	H	-3	O	30	R	-	O	A	<3.0	-	W
WS028.00	03/01/06	FP	HF	1	O	32	R	-	O	A	<3.0	-	CL
WS028.00	05/16/06	JB	HF	8	R	0	R	PN	O	A	460	-	S
WS028.00	08/29/06	SXR	F	17	O	29	R	P	O	A	-	2	NW
WS028.00	09/20/06	JB	E	14	O	28	R	PN	O	A	-	144	W
WS028.00	11/27/06	EXT	HF	7	-	25	R	-	O	A	-	2	CL
WS028.00	12/04/06	JB	E	5	S	24	R	P	O	A	-	15	CL
WS030.00	02/27/06	JB	HE	-3	O	30	R	-	O	A	<3.0	-	CL
WS030.00	03/01/06	FP	HF	1	O	32	R	-	O	A	<3.0	-	CL
WS030.00	05/16/06	JB	HF	9	R	24	R	P	O	A	9.1	-	S
WS030.00	08/29/06	SXR	F	17	O	30	R	P	O	A	-	<2.0	NW
WS030.00	11/14/06	JB	L		R	28	R	P	O	A	-	32	SE
WS030.00	11/27/06	EXT	HF	6	-	29	R	-	O	A	-	<2.0	CL
WS031.00	02/27/06	JB	HE	-3	O	30	R	-	O	A	<3.0	-	CL
WS031.00	03/01/06	FP	HF	1	O	32	R	-	O	A	<3.0	-	CL
WS031.00	05/16/06	JB	HF	8	R	18	R	P	O	A	23	-	S
WS031.00	08/29/06	SXR	F	16	O	30	R	P	O	A	-	<2.0	NW
WS031.00	11/27/06	EXT	HF	6	-	28	R	-	O	A	-	<2.0	CL
WS031.00	12/04/06	JB	E	5	S	28	R	P	O	A	-	4	N
WS032.00	02/06/06	FP	E	3	P	20	R	PNW	O	A	3.6	-	W
WS032.00	03/01/06	FP	HF	1	O	32	R	-	O	A	<3.0	-	W
WS032.00	05/16/06	JB	H	8	R	18	R	PN	O	A	240	-	CL
WS032.00	08/29/06	SXR	F	17	O	30	R	P	O	A	-	<2.0	NW
WS032.00	11/27/06	EXT	HF	7	-	28	R	-	O	A	-	<2.0	CL
WS032.00	12/04/06	JB	E	5	S	28	R	P	O	A	-	2	N
WS034.00	02/06/06	FP	E	3	P	22	R	PN	O	A	9.1	-	W
WS034.00	03/01/06	FP	H	1	O	30	R	-	O	A	<3.0	-	W
WS034.00	05/16/06	JB	HE	8	R	26	R	PN	O	A	93	-	CL
WS034.00	08/29/06	SXR	F	17	O	30	R	P	O	A	-	<2.0	NW
WS034.00	11/14/06	JB	E		R	26	R	P	O	A	-	78	E
WS034.00	11/27/06	EXT	H	6	-	30	R	-	O	A	-	<2.0	CL
WS035.00	02/06/06	FP	E	4	P	18	R	P	O	A	9.1	-	SW
WS035.00	03/01/06	FP	H	2	O	32	R	W	O	A	<3.0	-	CL
WS035.00	05/16/06	JB	HE	8	R	23	R	P	O	A	150	-	SE
WS035.00	08/29/06	SXR	HF	17	O	30	R	P	O	A	-	2	NW
WS035.00	11/14/06	JB	LE		R	17	R	P	O	A	-	156	E
WS035.00	11/27/06	EXT	H	7	-	28	R	-	O	A	-	<2.0	CL
WS036.00	02/06/06	FP	E	4	P	20	R	P	C	P	3.6	-	SW
WS036.00	03/01/06	FP	H	1	O	32	R	-	C	P	<3.0	-	NW
WS036.00	05/16/06	JB	HE	8	R	27	R	P	C	P	3.6	-	SE
WS036.00	08/29/06	SXR	HF	17	O	29	R	PW	C	P	-	<2.0	NW
WS036.00	11/14/06	JB	LE		R	16	R	P	C	P	-	29	E
WS036.00	11/27/06	EXT	H	7	-	28	R	-	C	P	-	92	CL
WS037.00	02/06/06	FP	E	3	P	19	R	P	O	A	9.1	-	SW
WS037.00	03/01/06	FP	H	1	O	31	R	-	O	A	<3.0	-	CL
WS037.00	05/16/06	JB	H	8	R	25	R	PN	O	A	21	-	CL
WS037.00	08/29/06	SXR	HF	17	O	29	R	P	O	A	-	<2.0	NW
WS037.00	11/14/06	JB	LE		R	16	R	PN	O	A	-	92	SE
WS037.00	11/27/06	EXT	H	7	-	26	R	-	O	A	-	<2.0	CL
WS038.00	01/08/06	WRB	L		S	29	R	-	C	CA	<3.0	-	CL
WS038.00	02/06/06	FP	E	3	P	8	R	P	C	CA	43	-	CL
WS038.00	03/01/06	FP	H	1	O	30	R	-	O	CA	<3.0	-	CL
WS038.00	05/16/06	JB	HE	8	R	24	R	PN	C	CA	15	-	CL
WS038.00	08/29/06	SXR	HF	17	O	25	R	P	O	CA	-	8	NW
WS038.00	09/19/06	JB	E	15	O	30	R	-	O	CA	-	2	SW
WS038.00	10/11/06	JB	F	13	O	29	R	-	O	CA	-	2	NE

WS038.00	11/14/06	JB	LE		R	12	R	P	C	CA	-	44	-
WS038.00	11/29/06	WRB	E	6	R	26	R	P	O	CA	-	2	N
WS038.00	12/11/06	WRB	F	5	-	30	R	-	O	CA	-	<2.0	CL
WS039.00	01/08/06	WRB	L		S	29	R	-	C	CA	<3.0	-	CL
WS039.00	02/06/06	FP	E	2	P	10	R	PNW	C	CA	43	-	CL
WS039.00	03/01/06	FP	HF	1	O	29	R	-	O	CA	<3.0	-	N
WS039.00	05/16/06	JB	H	9	R	8	R	PN	C	CA	150	-	CL
WS039.00	08/29/06	SXR	HF	17	O	22	R	P	O	CA	-	6	NW
WS039.00	09/19/06	JB	E	16	O	28	R	-	O	CA	-	8	SW
WS039.00	10/11/06	JB	F	13	O	30	R	-	O	CA	-	4	CL
WS039.00	11/14/06	JB	E		R	4	R	P	C	CA	-	520	CL
WS039.00	11/29/06	WRB	E	7	R	26	R	P	O	CA	-	2	N
WS039.00	12/11/06	WRB	F	6	-	30	R	N	O	CA	-	<2.0	CL
WS040.00	01/08/06	WRB	L		S	30	R	-	C	CA	<3.0	-	CL
WS040.00	02/06/06	FP	E	2	P	12	R	PNW	C	CA	15	-	CL
WS040.00	03/01/06	FP	HE	1	O	28	R	-	O	CA	<3.0	-	W
WS040.00	05/16/06	JB	E	9	R	7	R	PN	C	CA	150	-	CL
WS040.00	08/29/06	JB	H	14	O	23	R	P	O	CA	-	10	CL
WS040.00	09/19/06	JB	E	15	O	28	R	-	O	CA	-	3.6	SW
WS040.00	10/11/06	JB	F	13	O	26	R	-	O	CA	-	12	NE
WS040.00	11/14/06	JB	E		R	4	R	PNW	C	CA	-	960	SE
WS040.00	11/29/06	WRB	E	7	R	29	R	P	O	CA	-	2	N
WS040.00	12/11/06	WRB	F	6	-	30	R	N	O	CA	-	<2.0	CL
WS041.00	01/08/06	WRB	LF		S	29	R	-	C	P	<3.0	-	CL
WS041.00	02/06/06	FP	E	4	P	2	R	P	C	P	240	-	SW
WS041.00	03/01/06	JB	F	-4	P	26	R	-	C	P	<3.0	-	CL
WS041.00	05/16/06	JB	E	9	R	5	R	PN	C	P	93	-	CL
WS041.00	08/29/06	JB	HE	14	O	22	R	P	C	P	-	27	NE
WS041.00	09/19/06	JB	E	14	O	28	R	-	C	P	-	4	SW
WS041.00	10/11/06	JB	F	12	O	28	R	-	C	P	-	8	NE
WS041.00	11/14/06	FP	E	7	-	12	R	PN	C	P	-	33	SE
WS041.00	11/29/06	WRB	E	6	R	26	R	P	C	P	-	7.3	N
WS041.00	12/11/06	WRB	F	5	-	32	R	-	C	P	-	<2.0	CL
WS041.50	01/08/06	WRB	LF		S	29	R	-	C	P	<3.0	-	CL
WS041.50	02/06/06	FP	E	2	P	2	R	PNW	C	P	93	-	SW
WS041.50	03/01/06	JB	F	-4	P	25	R	N	C	P	9.1	-	CL
WS041.50	05/16/06	JB	E	9	R	4	R	PN	C	P	240	-	CL
WS041.50	08/29/06	JB	HE	15	O	22	R	P	C	P	-	60	N
WS041.50	10/11/06	JB	HF	13	O	30	R	-	C	P	-	<2.0	NE
WS041.50	11/14/06	FP	E	8	-	8	R	P	C	P	-	66	SE
WS041.50	11/29/06	WRB	LE	6	R	30	R	P	C	P	-	<2.0	N
WS041.50	12/11/06	WRB	F	5	-	30	R	N	C	P	-	<2.0	CL
WS043.90	02/06/06	FP	LE	2	P	0	R	P	C	P	7.3	-	CL
WS043.90	03/01/06	JB	F	-5	P	0	R	-	C	P	460	-	NW
WS043.90	08/29/06	JB	F	14	O	2	R	P	C	P	-	74	N
WS043.90	09/19/06	JB	LE	14	O	5	R	-	C	P	-	220	SW
WS043.90	11/14/06	JB	L		R	0	R	PN	C	P	-	480	SE
WS043.90	11/27/06	JB	F	6	O	2	R	N	C	P	-	8	CL
WS046.00	02/06/06	FP	LE	2	P	0	R	PN	C	P	7.3	-	CL
WS046.00	05/16/06	FP	LF	10	R	0	R	PN	C	P	460	-	CL
WS046.00	08/29/06	JB	F	14	O	0	R	PN	C	P	-	58	NW
WS046.00	09/20/06	JB	HE	15	O	0	R	PN	C	P	-	240	NW
WS046.00	11/14/06	JB	L		R	0	R	PN	C	P	-	340	-
WS046.00	11/27/06	JB	F	8	O	0	R	-	C	P	-	12	CL
WS047.30	01/08/06	WRB	F		S	29	R	-	C	CA	<3.0	-	CL
WS047.30	02/06/06	FP	E	2	P	2	R	PNW	C	CA	93	-	SW
WS047.30	03/01/06	JB	E	-5	P	30	R	N	O	CA	<3.0	-	NW
WS047.30	05/16/06	FP	HE	10	R	8	R	PN	C	CA	240	-	CL
WS047.30	08/29/06	JB	H	13	O	28	R	P	O	CA	-	4	CL
WS047.30	09/19/06	JB	E	15	O	28	R	N	O	CA	-	2	SW
WS047.30	10/11/06	JB	HF	13	O	30	R	-	O	CA	-	<2.0	E
WS047.30	11/14/06	FP	E	7	-	6	R	PN	C	CA	-	620	CL
WS047.30	11/29/06	WRB	E	7	R	29	R	P	O	CA	-	16	N
WS047.30	12/11/06	WRB	F	7	-	32	R	N	O	CA	-	<2.0	CL
WS048.00	01/08/06	WRB	F		S	28	R	-	C	CA	3.6	-	CL
WS048.00	02/06/06	FP	LE	4	P	8	R	PN	C	CA	23	-	SW
WS048.00	03/01/06	JB	HF	-4	P	30	R	-	O	CA	<3.0	-	N
WS048.00	05/16/06	FP	H	10	R	23	R	PN	C	CA	23	-	CL
WS048.00	08/29/06	JB	F	13	O	28	R	P	O	CA	-	3.6	NW
WS048.00	09/19/06	JB	E	14	O	30	R	-	O	CA	-	52	SW
WS048.00	10/11/06	JB	F	13	O	32	R	-	O	CA	-	<2.0	CL

WS048.00	11/14/06	FP	E	8	-	25	R	PN	C	CA	-	88	CL
WS048.00	11/29/06	WRB	E	5	R	28	R	P	O	CA	-	<2.0	N
WS048.00	12/11/06	WRB	F	6	-	30	R	-	O	CA	-	2	CL
WS049.00	01/08/06	WRB	F		S	28	R	-	C	CA	<3.0	-	CL
WS049.00	02/06/06	JB	E	-5	C	2	R	P	C	CA	23	-	W
WS049.00	03/01/06	JB	HF	-4	P	3	R	N	O	CA	<3.0	-	CL
WS049.00	08/29/06	JB	F	14	O	29	R	PN	O	CA	-	2	CL
WS049.00	09/19/06	JB	E	13	O	24	R	N	O	CA	-	92	SW
WS049.00	10/11/06	JB	F	12	O	29	R	NW	O	CA	-	4	NE
WS049.00	11/14/06	FP	E	9	-	6	R	PN	C	CA	-	280	CL
WS049.00	11/29/06	WRB	E	5	R	29	R	P	O	CA	-	4	N
WS049.00	12/11/06	WRB	F	7	-	30	R	N	O	CA	-	<2.0	CL
WS049.20	01/08/06	WRB	F		S	29	R	-	O	A	<3.0	-	CL
WS049.20	02/06/06	JB	LF	-3	C	0	R	P	O	A	15	-	SW
WS049.20	03/01/06	JB	HF	-5	P	30	R	-	O	A	<3.0	-	NW
WS049.20	05/16/06	FP	H	10	R	26	R	PN	O	A	9.1	-	CL
WS049.20	08/29/06	JB	F	14	O	30	R	P	O	A	-	<2.0	NW
WS049.20	09/19/06	JB	E	14	O	30	R	-	O	A	-	<2.0	SW
WS049.20	10/11/06	JB	F	13	O	32	R	-	O	A	-	6	NE
WS049.20	11/14/06	FP	E	8	-	26	R	PN	O	A	-	<2.0	CL
WS049.20	11/29/06	WRB	E	5	R	30	R	P	O	A	-	12	N
WS049.20	12/11/06	WRB	F	5	-	32	R	-	O	A	-	<2.0	CL
WS050.00	05/16/06	FP	HF	10	R	4	R	PN	O	A	43	-	CL
WS050.00	08/29/06	JB	F	14	O	28	R	P	O	A	-	4	N
WS050.00	09/20/06	JB	HE	14	O	28	R	PN	O	A	-	260	CL
WS050.00	11/14/06	FP	E	8	-	4	R	PNW	O	A	-	74	CL
WS050.00	11/27/06	JB	HF	7	O	24	R	N	O	A	-	4	CL
WS050.00	12/05/06	JB	H	0	O	20	R	N	O	A	-	10	E
WS051.00	02/06/06	JB	E	-3	C	20	R	P	O	A	43	-	SW
WS051.00	03/01/06	JB	H	-4	P	30	R	-	O	A	<3.0	-	N
WS051.00	05/16/06	FP	F	10	R	25	R	PN	O	A	3	-	CL
WS051.00	08/29/06	JB	F	15	O	30	R	P	O	A	-	6	CL
WS051.00	11/14/06	FP	E	7	-	25	R	PN	O	A	-	27	SE
WS051.00	11/27/06	JB	HF	6	O	28	R	-	O	A	-	<2.0	CL
WS052.00	02/06/06	JB	E	-3	C	28	R	P	O	A	3.6	-	CL
WS052.00	03/01/06	JB	H	-5	P	30	R	-	O	A	<3.0	-	NW
WS052.00	05/16/06	FP	F	10	R	25	R	P	O	A	23	-	CL
WS052.00	08/29/06	JB	F	14	O	30	R	P	O	A	-	<2.0	CL
WS052.00	11/14/06	FP	E	6	-	28	R	PN	O	A	-	12	SE
WS052.00	12/19/06	JB	HF	2	C	30	R	-	O	A	-	<2.0	N
WS054.00	02/06/06	JB	E	-3	C	25	R	P	O	A	9.1	-	SW
WS054.00	03/01/06	JB	H	-3	P	31	R	-	O	A	<3.0	-	NW
WS054.00	05/16/06	FP	F	10	R	25	R	P	O	A	43	-	CL
WS054.00	08/29/06	JB	F	13	O	31	R	P	O	A	-	2	CL
WS054.00	11/14/06	FP	E	7	-	28	R	P	O	A	-	36	SE
WS054.00	11/27/06	JB	HF	8	O	30	R	-	O	A	-	<2.0	CL
WS055.00	02/06/06	JB	E	-3	C	28	R	P	C	P	3.6	-	W
WS055.00	03/01/06	JB	H	-3	P	31	R	-	C	P	<3.0	-	CL
WS055.00	05/16/06	FP	F	10	R	28	R	P	C	P	7.3	-	CL
WS055.00	08/29/06	JB	F	12	O	31	R	P	C	P	-	4	E
WS055.00	11/14/06	FP	E	7	-	30	R	PN	C	P	-	800	SE
WS055.00	11/27/06	JB	HF	7	O	30	R	-	C	P	-	<2.0	E
WS057.00	02/06/06	JB	E	-2	C	16	R	P	O	A	3.6	-	W
WS057.00	03/01/06	JB	H	-3	P	31	R	-	O	A	3	-	CL
WS057.00	05/16/06	FP	F	10	R	25	R	PN	O	A	23	-	CL
WS057.00	08/29/06	JB	F	13	O	31	R	P	O	A	-	2	CL
WS057.00	11/14/06	FP	E	7	-	26	R	PN	O	A	-	70	CL
WS057.00	11/27/06	JB	HF	7	O	30	R	-	O	A	-	10	CL
WS058.00	02/06/06	JB	E	-3	C	4	R	P	O	A	<3.0	-	S
WS058.00	03/01/06	JB	H	-5	P	31	R	N	O	A	<3.0	-	NW
WS058.00	05/16/06	FP	F	10	R	5	R	P	O	A	460	-	CL
WS058.00	08/29/06	JB	F	13	O	31	R	P	O	A	-	2	CL
WS058.00	11/14/06	FP	E	7	-	24	R	PN	O	A	-	46	CL
WS058.00	11/27/06	JB	F	7	O	30	R	N	O	A	-	13	CL
WS059.00	01/08/06	WRB	F		S	30	R	-	C	CA	<3.0	-	CL
WS059.00	02/06/06	JB	E	-5	C	5	R	P	C	CA	43	-	W
WS059.00	03/01/06	JB	H	-5	P	31	R	N	O	CA	<3.0	-	CL
WS059.00	05/16/06	FP	F	10	R	5	R	PN	C	CA	460	-	CL
WS059.00	08/29/06	JB	HF	13	O	30	R	PN	O	CA	-	<2.0	CL
WS059.00	09/19/06	JB	E	13	O	30	R	N	O	CA	-	38	SW
WS059.00	10/11/06	JB	HF	12	O	31	R	N	O	CA	-	2	CL

WS059.00	11/14/06	FP	E	7	-	6	R	PN	C	CA	-	340	CL
WS059.00	11/29/06	WRB	E	6	R	29	R	P	O	CA	-	4	N
WS059.00	12/11/06	WRB	F	7	-	32	R	N	O	CA	-	<2.0	CL
WS059.60	02/06/06	JB	LE	-3	C	18	R	P	C	P	43	-	SW
WS059.60	03/01/06	JB	HE	-5	P	25	R	-	C	P	<3.0	-	NW
WS059.60	05/16/06	FP	F	10	R	28	R	PN	C	P	<3.0	-	CL
WS059.60	08/29/06	JB	HF	12	O	30	R	P	C	P	-	6	CL
WS059.60	11/14/06	FP	LE	7	-	28	R	PN	C	P	-	42	CL
WS059.60	11/27/06	JB	F	7	O	30	R	-	C	P	-	11	CL
WS063.00	02/06/06	JB	E	-3	C	26	R	P	C	P	9.1	-	SW
WS063.00	03/01/06	JB	F	-5	P	31	R	-	C	P	<3.0	-	CL
WS063.00	05/16/06	FP	F	10	R	25	R	P	C	P	<3.0	-	CL
WS063.00	08/29/06	JB	HF	12	O	31	R	P	C	P	-	<2.0	CL
WS063.00	11/14/06	FP	LE	7	-	30	R	P	C	P	-	<2.0	CL
WS063.00	11/27/06	JB	F	7	O	30	R	-	C	P	-	<2.0	CL
WS065.00	02/06/06	JB	E	-2	C	30	R	P	O	A	<3.0	-	SW
WS065.00	03/01/06	JB	F	-5	P	31	R	-	O	A	<3.0	-	NW
WS065.00	05/16/06	FP	F	9	R	26	R	P	O	A	43	-	CL
WS065.00	08/29/06	JB	H	12	O	31	R	P	O	A	-	2	NE
WS065.00	11/14/06	FP	LE	7	-	30	R	P	O	A	-	70	E
WS065.00	11/27/06	JB	F	6	O	31	R	-	O	A	-	<2.0	S
WS067.00	04/26/06	FP	HE		C	32	R	-	C	P	<3.0	-	S
WS067.00	06/20/06	FP	L	14	C	29	R	-	O	A	3.6	-	S
WS067.00	07/12/06	FP	H	14	-	30	R	P	O	A	7.3	-	S
WS067.00	09/05/06	JB	E	11	-	30	R	P	O	A	-	2	S
WS067.00	10/03/06	FP	E		O	32	R	-	O	A	-	<2.0	SW
WS067.00	10/17/06	FP	E	10	-	32	R	-	O	A	-	2	S
WS067.50	04/26/06	FP	HE		C	32	R	-	C	P	<3.0	-	S
WS067.50	06/20/06	FP	L	16	C	29	R	-	O	A	<3.0	-	S
WS067.50	07/12/06	FP	H	15	-	30	R	P	O	A	3.6	-	S
WS067.50	09/05/06	JB	E	12	-	30	R	P	O	A	-	4	S
WS067.50	10/03/06	FP	E		O	31	R	-	O	A	-	<2.0	SW
WS067.50	10/17/06	FP	E	11	-	32	R	-	O	A	-	4	S
WS067.80	04/26/06	FP	HE		C	32	R	-	C	P	<3.0	-	S
WS067.80	06/20/06	FP	LE	19	C	29	R	-	O	A	<3.0	-	S
WS067.80	07/12/06	FP	H	15	-	30	R	P	O	A	<3.0	-	S
WS067.80	09/05/06	JB	E	12	-	31	R	P	O	A	-	<2.0	CL
WS067.80	10/03/06	FP	E		O	32	R	-	O	A	-	<2.0	SW
WS067.80	10/17/06	FP	E	11	-	32	R	-	O	A	-	15	S
WS068.00	04/26/06	FP	HE		C	32	R	-	C	P	<3.0	-	S
WS068.00	06/20/06	FP	LE	16	C	29	R	-	O	A	3.6	-	S
WS068.00	07/12/06	FP	H	15	-	30	R	P	O	A	<3.0	-	S
WS068.00	09/05/06	JB	E	12	-	30	R	P	O	A	-	2	CL
WS068.00	10/03/06	FP	E		O	31	R	-	O	A	-	<2.0	SW
WS068.00	10/17/06	FP	E	11	-	32	R	-	O	A	-	<2.0	S
WS069.00	04/26/06	FP	HE		C	32	R	-	C	P	<3.0	-	S
WS069.00	06/20/06	FP	LE	15	C	29	R	-	O	A	<3.0	-	S
WS069.00	07/12/06	FP	H	15	-	30	R	P	O	A	<3.0	-	S
WS069.00	09/05/06	JB	E	11	-	31	R	P	O	A	-	3.6	CL
WS069.00	10/03/06	FP	E		O	31	R	-	O	A	-	<2.0	SW
WS069.00	10/17/06	FP	E	11	-	32	R	-	O	A	-	<2.0	S
WS071.00	04/26/06	FP	H		C	32	R	-	C	P	<3.0	-	S
WS071.00	06/20/06	FP	LE	14	C	29	R	-	O	A	<3.0	-	S
WS071.00	07/12/06	FP	H	14	-	30	R	P	O	A	3.6	-	S
WS071.00	09/05/06	JB	E	12	-	30	R	P	O	A	-	2	S
WS071.00	10/03/06	FP	E		O	31	R	-	O	A	-	<2.0	SW
WS071.00	10/17/06	FP	E	11	-	32	R	-	O	A	-	<2.0	S
WS072.00	04/26/06	FP	H		C	32	R	-	C	P	<3.0	-	S
WS072.00	06/20/06	FP	E	14	C	29	R	-	O	A	3	-	S
WS072.00	07/12/06	FP	H	15	-	30	R	P	O	A	9.1	-	S
WS072.00	09/05/06	JB	E	12	-	30	R	P	O	A	-	<2.0	CL
WS072.00	10/03/06	FP	E		O	31	R	-	O	A	-	<2.0	SW
WS072.00	10/17/06	FP	E	11	-	32	R	-	O	A	-	<2.0	S

P90_3 Q

LOCATION_ID	CountOfLog	GM	StDevOfLog	P90	STD
WS038.00	30	5.25	0.58	29.06	45.40
WS039.00	30	6.01	0.44	22.24	45.40

P90_3 Q					
LOCATION_ID	**CountOfLog**	**GM**	**StDevOfLog**	**P90**	**STD**
WS040.00	30	7.17	0.45	26.90	45.40
WS041.00	29	6.39	0.36	18.39	45.28
WS041.50	28	9.08	0.63	57.42	45.79
WS047.30	29	4.64	0.34	12.47	45.28
WS048.00	29	4.65	0.48	19.09	45.28
WS049.00	29	5.41	0.43	18.95	45.28
WS059.00	29	7.67	0.51	34.08	45.28