



**GROWING AREA WJ
Towns of Freeport, Brunswick and Harpswell**

ANNUAL REVIEW for 2006

Final Report Date: October 11, 2007

LAURA LIVINGSTON

APPROVAL

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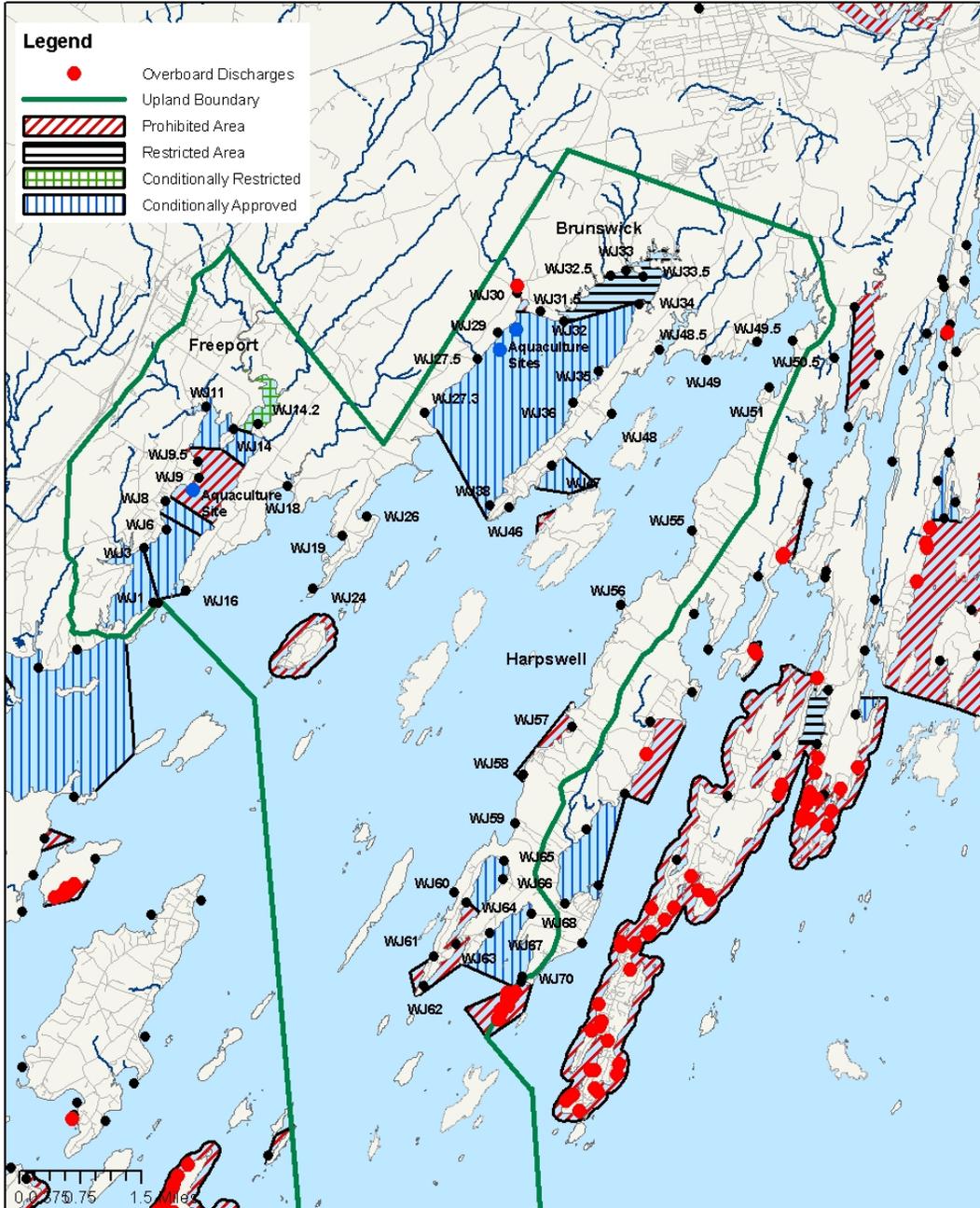


Maine Department of Marine Resources

Growing Area WJ



3/15/07





Executive Summary

Growing Area WJ is from Staples Point, at the mouth of the Harraseeket River, Freeport to Potts Point at the end of South Harpswell neck, Harpswell. A complete boundary description can be found below. No overboard discharges were removed in 2006. There was one new station created in 2006, WJ 9.5. There are several classifications changes recommended in this report. See Classification Changes Required section for details. The Harraseeket River legal notice changed from C 17 to C 15 on November 6, 2006.

Boundary Description

Growing Area WJ lies inside a line from Staples Point, extending southeast along the shellfish management zone line offshore, and also, extending northwest on Staples Point Road to the intersection of South Freeport Road, then north to the intersection of Old County Road and Route 1, then northeast on Route 1 to the intersection of Upper Mast Landing Road, then southeast to the intersection of Flying Point Road and Lower Flying Point Road, then north to the intersection of Church Street and Pleasant Hill Road, then east to the intersection of Middle Bay Road and Harpswell Neck Road, then south on Harpswell Neck Road to Potts Point, then south to the shellfish management zone line and following it offshore.

Current Classification(s)

Shellfish growing area WJ currently has areas classified as:

Approved

- Recompense Cove (3 Stations)
- Flying Point, Freeport (2 Stations)
- Middle Bay, Brunswick (9 Stations)
- South Harpswell (2 Stations)

Conditionally Approved

- Harraseeket River, Freeport (6 Stations)
- Maquoit Bay, Brunswick (9 Stations)
- Merepoint, Brunswick (1 Station)
- Basin Cove, Harpswell (3 Stations)
- Ash Cove, Harpswell (3 Stations)

Conditionally Restricted

- Harraseeket River, Freeport (1 Station)

Prohibited

- Harraseeket River, Freeport (2 Stations)
- Maquoit Bay (4 Stations)
- Navy Fuel Depot, Harpswell (2 Stations)
- Basin Point, Harpswell (3 Stations)



Legal Notices

Visit the DMR website to view Legal Notices:

MDMR Regulation 95.03F, Closed Area No. 15, Harraseeket River and Bustins Island (Freeport)

MDMR Regulation 95.03M, Closed Area No. 16, Maquoit Bay and Middle Bay (Freeport, Brunswick, and Harpswell)

MDMR Regulation 95.03Y, Closed Area No. 17B, Harpswell Neck (Harpswell).

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

Activity During Review Period

On 4/14/2006 the head of Maquoit Bay (monitored by WJ33) was reclassified as restricted due to water quality that no longer met approved standard during the open status period of the seasonal conditional area. The rest of the seasonal area remained in place.

On 5/3/06 the Maquoit Bay seasonal conditional area was enlarged to all of Merepoint Neck and the seasonal period was expanded to be in the open status from January 1 through August 31.

Excerpt from Addendum written by Amy Fitzpatrick on 7/10/07:

The Maquoit Bay area has a history of water quality problems attributed to a variety of reasons. Prior to December 2001, the area had been classified as conditionally approved on ≥ 1 " rainfall in 24 hours. The head of Maquoit Bay (north of a line from a landing at Wharton Point to Pulsifer Point) was classified as prohibited in a legal notice dated July 9, 2003. The remainder of Maquoit Bay (with the exception of Bunganuc Creek) was classified conditionally approved on ≥ 1 " of rainfall in 24 hours. In January of 2004, the conditional area management plan was changed from rainfall to migratory bird populations and was a seasonal conditional area which was in the open status from April 15 through August 31, the whole of Maquoit Bay was included in the conditional area with the exception of the prohibited area in Bunganuc Creek. An addendum to the sanitary survey report was submitted in September of 2005 to recommend that the stations at the head of the bay no longer met the criteria for approved status and should be classified prohibited. The report also noted that rainfall did impact the sample scores in the area. Since there was no point source of pollution, the area (the head of Maquoit Bay) was classified restricted which was the appropriate classification based on the NSSP Model Ordinance. In a legal notice dated May 3, 2006, the seasonal conditional area was expanded to include all of the Merepoint Neck shore and extended the open status of the conditionally approved area to January 1 to August 31.

The head of Maquoit Bay, located between Flying Point, Freeport and Merepoint, Brunswick, was reclassified as restricted due to water quality on April 14, 2006 (DMR Regulation 95.03 W, Closed Area No. 17-B, Maquoit Bay, Brunswick and Freeport). The cause of the water quality degradation was unknown. In 2006, the town of Brunswick and the Maine DEP conducted a



shoreline survey and located a straight pipe which went underground from a home and opened to the water near water quality station WJ33. The straight pipe was replaced with an approved inground system in December 2006 as reported by Brunswick Marine Warden Devereaux in a memo to DMR on January 3, 2007. Station WJ 33 is located at a public boat launch which is used frequently for launching and loading boats and as a dog walking area. While no other obvious sources of pollution were found in the area, the town has installed dog waste bag dispensers and information to educate the public to pick up dog waste. The town reports that they have collected samples on the fresh water stream entering the bay near the landing but they have not submitted any data for the department to review.

On 5/3/06 C17 The northeast corner of the Harraseeket River was reclassified as conditionally restricted due to non-point pollution.

On 5/25/06 C17D Bustins Island was closed due to improper sewage disposal on the island.

On 9/8/06 C17B to C17X The areas previously described in Closed Area 17-B have been administratively moved to Closed Area No. 17-X, Maquoit Bay and Middle Bay (Freeport, Brunswick, and Harpswell),

On 11/6/06 C17X to C16 This new rule administratively changes the legal title and regulation number of this closure area Maquoit Bay and Middle Bay (Freeport, Brunswick, and Harpswell).

On 9/26/06 Legal notice 17B was changed to keep seasonal conditional area Stover Cove in the closed status because of water quality scores that did not meet the re-opening criteria.

On 11/28/06 Stover Cove was placed in the open status due to improved water quality scores.

On 12/20/06 C16 This new rule reclassifies Middle Bay from prohibited to approved.

Current Management Plan(s)

There are management plans for six conditional areas in WJ: Harraseeket River Marina Area, Harraseeket River WWTP areas, Maquoit Bay Seasonal Area, Merepoint Marina Area, Basin Cove Seasonal Area and Ash Cove Seasonal Area. The Harraseeket River marina area is closed to harvesting May 1 to November 30, the Maquoit Bay seasonal area is closed September 1 to December 31, the Merepoint marina area is closed to harvesting April 15 to October 31, Basin Cove and Ash Cove seasonal areas are closed to harvesting May 1 to September 30. These areas are open per management plans following satisfactory water quality samples. Copies can be found in the central files.

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.

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 and "other" which usually 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 but the time 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.

Table 1 displays the geomeans and P90s for all stations in growing area WJ. The data results were from the most recent 30 data points and include data from all months of the year. For stations listed as conditionally approved (CA) or conditionally restricted (CR), the data analysis in Table 1 includes all data, that is, when the area was both in open and closed status. The geomeans and P90s for CA and CR open status periods are displayed in Tables 2 to 6. Water quality meets approved standards at all approved stations (A) in growing area WJ, as documented below in Table 1 below, except for station WJ 18 at the mouth of the Little River in Recompense Cove, Freeport. Station WJ 61, at Barnes Point, had been classified prohibited due to a malfunctioning septic system. This system was repaired and approved by the local plumbing inspector in 2006. Water quality at station WJ 61 meets approved standards and it should be reclassified as approved.



Table 1 Geomean and P90-Year Round

MAINE DEPARTMENT OF MARINE RESOURCES									
As of: December 26, 2006									
Fecal Coliform Geometric Mean and Percent Variability									
For the Years 2001 Through 2006 - (01/01 - 12/31)									
Status = Open and Closed Stations									
Strategy = Random Only									
Samples Limited to Latest 30									
Salinity >= 0 ‰									
STATION	CLASS	CNT	MFCNT	GM	SDV	MAX	P90	APPD_STD	RESTR_STD
WJ001.00	CA	30	4	4.6	0.42	93	16.1	46	277
WJ003.00	CA	30	4	5.5	0.46	93	21.3	46	277
WJ006.00	CA	30	4	6.5	0.65	500	44.8	46	277
WJ008.00	CA	30	5	7.5	0.66	1700	52.8	45	271
WJ009.00	P	30	4	8.3	0.76	1200	78.8	46	277
WJ009.50	P	10	5	22.3	0.92	660	357.0	39	221
WJ011.00	CA	30	4	7.8	0.71	460	64.0	46	277
WJ014.00	CA	30	4	7.6	0.65	580	52.3	46	277
WJ014.20	CR	30	4	9.4	0.68	460	70.7	46	277
WJ016.00	A	30	1	4.0	0.33	43	10.8	48	294
WJ018.00	A	30	1	9.0	0.67	460	64.0	48	294
WJ019.00	A	30	2	4.0	0.37	43	11.8	48	288
WJ024.00	A	30	1	5.5	0.57	240	29.5	48	294
WJ026.00	A	30	1	4.6	0.44	150	17.2	48	294
WJ027.30	CA	8	2	2.7	0.09	3.6	3.6	44	258
WJ027.50	CA	30	2	5.3	0.57	240	27.8	48	288
WJ029.00	CA	30	2	5.6	0.64	1100	36.5	48	288
WJ030.00	P	30	2	7.3	0.64	1200	48.1	48	288
WJ031.50	CA	30	2	4.1	0.44	460	14.8	48	288
WJ032.00	CA	30	2	4.6	0.46	240	17.6	48	288
WJ032.50	P	7	2	6.6	0.54	66	33.6	43	252
WJ033.00	P	30	2	8.6	0.71	1100	69.0	48	288
WJ033.50	P	7	2	3.7	0.22	9.1	7.3	43	252
WJ034.00	CA	30	2	6.2	0.62	1100	38.6	48	288
WJ035.00	CA	30	2	6.6	0.57	460	34.7	48	288
WJ036.00	CA	30	2	4.1	0.31	23	10.3	48	288
WJ038.00	CA	30	2	5.9	0.62	460	36.6	48	288
WJ046.00	A	30	2	4.0	0.42	240	13.6	48	288
WJ047.00	CA	30	3	3.7	0.29	43	8.5	47	282
WJ048.00	A	30	2	6.0	0.66	1100	41.4	48	288
WJ048.50	A	6	4	2.6	0.27	9.1	6.0	36	200
WJ049.00	A	30	2	5.0	0.50	240	21.9	48	288
WJ049.50	A	30	2	5.4	0.54	240	26.4	48	288
WJ050.50	A	6	2	2.5	0.10	2.9	3.4	42	245
WJ051.00	A	30	2	3.7	0.33	93	9.7	48	288
WJ055.00	A	30	2	4.7	0.56	1200	24.8	48	288
WJ056.00	A	30	2	3.8	0.37	240	11.0	48	288
WJ057.00	P	30	2	4.3	0.44	460	15.8	48	288
WJ058.00	P	30	2	6.0	0.55	240	30.4	48	288
WJ059.00	A	30	2	4.7	0.50	440	20.5	48	288
WJ060.00	A	30	1	3.5	0.20	23	6.4	48	294
WJ061.00	P	30	2	3.5	0.22	23	6.7	48	288
WJ062.00	P	30	2	4.3	0.36	93	12.5	48	288
WJ063.00	P	30	2	5.6	0.55	360	28.8	48	288
WJ064.00	CA	30	2	4.9	0.47	460	19.6	48	288
WJ065.00	CA	30	2	5.7	0.58	240	31.8	48	288



WJ066.00	CA	30	2	7.5	0.68	680	56.0	48	288
WJ067.00	CA	30	2	6.6	0.68	1100	48.8	48	288
WJ068.00	CA	30	2	8.9	0.69	460	68.5	48	288
WJ070.00	CA	30	2	4.2	0.36	63	12.1	48	288

Table 2 displays the data analysis for the sample stations monitoring the Harraseeket River while the area was in the open status. Stations WJ 11 through 14.2, did not meet approved standards when the river was in the open status. Stations WJ 11 and 14 should be reclassified conditionally restricted. Station WJ 14.2 was classified conditionally restricted on 5/3/06.

Table 2 Conditional Area Geomean and P90-Open Status

MAINE DEPARTMENT OF MARINE RESOURCES							As of: February 16, 2007		
Fecal Coliform Geometric Mean and Percent Variability									
For the Years 2001 Through 2006 - (01/01 - 12/31)									
Status = Open Stations Only									
Strategy = Random Only									
Samples Limited to Latest 30									
Salinity >= 0 ‰									
STATION	CLASS	CNT	MFCNT	GM	SDV	MAX	P90	APPD_STD	RESTR_STD
WJ001.00	CA	30	4	4.7	0.42	93	16.6	46	277
WJ003.00	CA	30	4	4.9	0.40	56	15.9	46	277
WJ006.00	CA	30	4	6.5	0.64	500	42.8	46	277
WJ008.00	CA	30	5	5.8	0.62	1700	36.2	45	271
WJ011.00	CA	30	4	7.3	0.71	460	59.4	46	277
WJ014.00	CA	30	4	7.3	0.64	580	47.4	46	277
WJ014.20	CR	30	4	9.4	0.68	460	70.7	46	277

Table 3 displays the data analysis for the sample stations that monitor Maquoit Bay. In Maquoit Bay, Stations WJ 27.3 through 38, meet approved standards during the open season. Maquoit Bay conditional area had numerous changes in 2006. Water quality at Station WJ 33 had deteriorated to restricted standards but was re-classified as prohibited because a straight pipe had been discovered when a shoreline survey was done. The system was replaced in December 2006. The data for this area will have to be reviewed and analyzed and a determination made regarding the correct classification for the area.

Table 3 Maquoit Bay Conditional Area Geomean and P90-Open Status

MAINE DEPARTMENT OF MARINE RESOURCES							As of: February 16, 2007		
Fecal Coliform Geometric Mean and Percent Variability									
For the Years 2001 Through 2006 - (01/01 - 08/30)									
Status = Open and Closed Stations									
Strategy = Random Only									
Samples Limited to Latest 30									
Salinity >= 0 ‰									
STATION	CLASS	CNT	MFCNT	GM	SDV	MAX	P90	APPD_STD	RESTR_STD
WJ027.30	CA	6	0	3.0	0.04	3.6	3.4	49	300
WJ027.50	CA	30	0	5.1	0.44	240	18.6	49	300
WJ029.00	CA	30	0	4.3	0.41	240	14.7	49	300
WJ030.00	P	30	0	8.6	0.62	1200	53.8	49	300
WJ031.50	CA	30	0	4.2	0.44	460	15.3	49	300
WJ032.00	CA	30	0	5.3	0.52	240	24.9	49	300
WJ032.50	P	5	0	5.3	0.32	15	14.1	49	300
WJ033.00	P	30	0	6.8	0.64	1100	44.8	49	300
WJ033.50	P	5	0	3.8	0.22	9.1	7.3	49	300
WJ034.00	CA	30	0	5.9	0.53	1100	28.1	49	300



WJ035.00	CA	26	0	5.1	0.38	43	15.7	49	300
WJ036.00	CA	25	0	4.6	0.35	43	13.2	49	300
WJ038.00	CA	26	0	6.2	0.55	460	31.7	49	300

At Paul's Marina, station WJ 47 continues to meet approved standards during the open season as documented below in Table 4.

Table 4 Paul's Marina Conditional Area Geomean and P90-Open Status

MAINE DEPARTMENT OF MARINE RESOURCES									
								As of: February 16, 2007	
Fecal Coliform Geometric Mean and Percent Variability									
For the Years 2001 Through 2006 - (01/01 - 04/14) (11/01 - 12/31)									
Excludes Dates:									
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
WJ047.00	CA	27	2	3.7	0.32	43	9.5	47	287

In Basin Cove, stations WJ 64 through 66, have been classified conditionally approved for an open season of 10/1 to 4/30. Station WJ 66 no longer meets approved standards for the open season, as documented below in Table 5. The area needs to be placed in the closed status and remain closed for further evaluation.

Table 5 Basin Point Conditional Area Geomean and P90-Open Status

MAINE DEPARTMENT OF MARINE RESOURCES									
Fecal Coliform Geometric Mean and Percent Variability									
For the Years 2001 Through 2006 - (01/01 - 04/30) (10/01 - 12/31)									
Status = Open and Closed Stations									
Strategy = Random Only									
Samples Limited to Latest 30									
Salinity >= 0 %									
STATION	CLASS	CNT	MFCNT	GM	SDV	MAX	P90	APPD_STD	RESTR_STD
WJ064.00	CA	30	1	6.0	0.59	460	34.1	48	294
WJ065.00	CA	30	1	4.6	0.44	150	16.7	48	294
WJ066.00	CA	30	1	7.5	0.68	680	55.6	48	294

Ash Point Cove Stations, WJ 67, 68 and 70 continue to meet approved standards for the open season of 10/1 to 4/30, as documented below in Table 6.

Table 6 Ash Point Cove Conditional Area Geomean and P90-Open Status

MAINE DEPARTMENT OF MARINE RESOURCES									
								As of: February 16, 2007	
Fecal Coliform Geometric Mean and Percent Variability									
For the Years 2001 Through 2006 - (01/01 - 04/30) (10/01 - 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
WJ067.00	CA	30	1	6.5	0.68	1100	47.5	48	294



WJ068.00	CA	30	1	6.7	0.62	460	41.5	48	294
WJ070.00	CA	30	1	4.3	0.37	93	13.1	48	294

Stations that were active at the beginning of the year were sampled six times in 2006, as documented below in Table 7:

Table 7 Sample Collections Results for 2006

MAINE DEPARTMENT OF MARINE RESOURCES														As of: December 26, 2006	
Tabulated Station Data for Area(s): WJ - WJ															
For the Years 2006 Through 2006 - (01/01 - 12/31)															
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	AlCOL	MFCOL	WIND	
WJ001.00	02/07/06	FSC	E	-1	C	26	R	PS	C	CA		<3.0	-	E	
	03/08/06	FSC	E	4	C	31	R	-	O	CA		<3.0	-	E	
	04/26/06	JB	H	7	C	32	R	-	O	CA		<3.0	-	CL	
	05/10/06	FSC	H	10	R	29	R	P	O	CA		<3.0	-	SW	
	06/28/06	JB	H	14	R	27	R	P	O	CA		<3.0	-	CL	
	07/12/06	LL	HF	21	C	28	R	-	O	CA		3.6	-	CL	
	08/02/06	LL	L	27	C	29	R	-	O	CA		9.1	-	CL	
	09/27/06	TKF	F	13	P	30	R	-	O	CA		-	<2.0	CL	
	10/11/06	JXK	E	15	O	32	R	-	O	CA		-	20	SE	
	11/15/06	JB	LE	9	P	29	R	P	O	CA		-	9.1	CL	
	12/05/06	LL	HE	6	C	28	R	-	O	CA		-	14	CL	
WJ003.00	02/07/06	FSC	HE	-1	C	28	R	PS	C	CA		93	-	E	
	03/08/06	FSC	E	4	C	32	R	-	O	CA		<3.0	-	E	
	04/26/06	JB	H	6	C	32	R	-	O	CA		<3.0	-	S	
	05/10/06	FSC	H	10	R	30	R	P	O	CA		<3.0	-	SW	
	06/28/06	JB	H	15	R	27	R	PB	O	CA		23	-	CL	
	07/12/06	LL	F	19	C	28	R	-	O	CA		23	-	CL	
	08/02/06	LL	L	30	C	29	R	-	O	CA		23	-	CL	
	09/27/06	TKF	F	12	P	30	R	-	O	CA		-	<2.0	CL	
	10/11/06	JXK	E	15	O	32	R	-	O	CA		-	11	SE	
	11/15/06	JB	E	9	P	26	R	P	O	CA		-	56	CL	
	12/05/06	LL	HE	6	C	30	R	-	O	CA		-	6	CL	
WJ006.00	02/07/06	FSC	HE	-1	C	23	R	PS	C	CA		43	-	E	
	03/08/06	FSC	E	4	C	31	R	M	O	CA		<3.0	-	E	
	04/26/06	JB	HE	6	C	32	R	-	O	CA		<3.0	-	S	
	05/10/06	FSC	HE	10	R	29	R	MP	C	CA		<3.0	-	SW	
	06/28/06	JB	H	16	R	26	R	PB	C	CA		240	-	CL	
	07/12/06	LL	F	18	C	30	R	-	C	CA		43	-	CL	
	08/02/06	LL	L	23	C	28	R	-	C	CA		75	-	CL	
	09/27/06	TKF	LE	10	P	30	R	M	C	CA		-	2	CL	
	10/11/06	JXK	E	16	O	32	R	-	C	CA		-	<2.0	SE	
	11/15/06	JB	E	9	P	12	R	PB	C	CA		-	500	SW	
	12/05/06	LL	HE	6	C	30	R	-	O	CA		-	2	CL	
WJ008.00	02/07/06	FSC	E		C	999	R	PS	C	P		-	-	E	
	02/27/06	LL	HE	1	C	32	R	-	C	P		3.6	-	NW	
	03/08/06	FSC	E		C	999	R	-	O	A		-	-	E	
	03/28/06	LL	H	4	-	29	R	-	O	A		<3.0	-	CL	
	04/26/06	JB	HE	9	C	32	R	-	O	CA		<3.0	-	S	
	05/10/06	FSC	HE	10	R	29	R	P	O	CA		20	-	SW	
	06/28/06	JB	H	17	R	24	R	P	O	CA		240	-	CL	
	07/12/06	LL	F	23	C	29	R	-	O	CA		3.6	-	CL	
	08/02/06	LL	LF		C	999	R	-	O	CA		-	-	CL	
	09/27/06	TKF	F	15	P	30	R	-	O	CA		-	<2.0	CL	
	10/11/06	JXK	E	15	O	31	R	-	O	CA		-	>1600	SE	
10/24/06	LL	F	11	O	28	R	P	O	CA		-	29	NW		



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	11/15/06	JB	E		P	999	R	P	O	CA		-	-	SW
	11/29/06	LL	F	6	O	26	R	-	O	CA		-	6	CL
	12/05/06	LL	HE	6	C	28	R	-	O	CA		-	8	CL
WJ009.00	02/07/06	FSC	E	-1	C	25	R	PS	C	P		9.1	-	E
	03/08/06	FSC	E	4	C	30	R	-	C	P		<3.0	-	E
	04/26/06	JB	HE	7	C	30	R	-	C	P		3.6	-	S
	05/10/06	FSC	HE	10	R	30	R	PW	C	P		<3.0	-	SW
	06/28/06	JB	HE	17	R	24	R	P	C	P		240	-	CL
	07/12/06	LL	F	23	C	28	R	-	C	P		>1100	-	CL
	08/02/06	LL	LF	30	C	26	R	-	C	P		93	-	CL
	09/27/06	TKF	F	16	P	30	R	-	C	P		-	<2.0	-
	10/11/06	JXK	E	15	O	32	R	-	C	P		-	30	SE
	11/15/06	JB	E	9.5	P	5	R	P	C	P		-	520	SW
12/05/06	LL	HE	6	C	28	R	-	C	P		-	76	CL	
WJ009.50	03/08/06	FSC	E		C	999	R	-	C	P		-	-	E
	03/28/06	LL	HF	4	-	30	R	-	C	P		<3.0	-	CL
	04/26/06	JB	HE	8	C	31	R	-	C	P		<3.0	-	CL
	05/10/06	FSC	HE	10	R	28	R	P	C	P		3.6	-	SW
	06/28/06	JB	HE	16	R	26	R	P	C	P		150	-	E
	07/12/06	LL	F	22	C	28	R	-	C	P		23	-	CL
	08/02/06	LL	LF		C	999	R	-	C	P		-	-	CL
	09/27/06	TKF	F	16	P	30	R	-	C	P		-	<2.0	-
	10/11/06	JXK	HE	15	O	32	R	-	C	P		-	88	SE
	10/24/06	LL	F	11	O	26	R	P	C	P		-	12	NW
	11/15/06	JB	E	10	P	9	R	P	C	P		-	660	SW
	12/05/06	LL	HE	6	C	28	R	-	C	P		-	220	CL
	WJ011.00	02/07/06	FSC	HE	-3	C	20	R	PS	C	CA		23	-
03/08/06		FSC	E		C	999	R	-	O	CA		-	-	E
03/28/06		LL	HF	4	-	30	R	-	O	CA		<3.0	-	CL
04/26/06		JB	HE	8	C	30	R	N	O	CA		<3.0	-	S
05/10/06		FSC	HE	10	R	28	R	P	O	CA		<3.0	-	SW
06/28/06		JB	HE	17	R	23	R	PN	O	CA		75	-	S
07/12/06		LL	F	22	C	26	R	-	O	CA		11	-	CL
08/02/06		LL	LF	27	C	10	R	-	O	CA		460	-	CL
09/27/06		TKF	F	15	P	29	R	-	O	CA		-	<2.0	-
10/11/06		JXK	HE	16	O	32	R	-	O	CA		-	<2.0	SE
11/15/06		JB	E	10	P	4	R	PWN	O	CA		-	420	SW
12/05/06		LL	HE	6	C	28	R	-	O	CA		-	<2.0	CL
WJ014.00	02/07/06	FSC	HE	-3	C	12	R	PS	C	CA		43	-	E
	03/08/06	FSC	E	4	C	26	R	-	O	CA		<3.0	-	E
	04/26/06	JB	HE	7	C	31	R	-	O	CA		<3.0	-	S
	05/10/06	FSC	HE	10	R	29	R	P	O	CA		<3.0	-	SW
	06/28/06	JB	HE	17	R	24	R	PN	O	CA		9.1	-	S
	07/12/06	LL	HF	23	C	30	R	-	O	CA		43	-	CL
	08/02/06	LL	LF	27	C	18	R	-	O	CA		240	-	CL
	09/27/06	TKF	F	15	P	28	R	-	O	CA		-	<2.0	-
	10/11/06	JXK	HE	15	O	32	R	-	O	CA		-	28	SE
	11/15/06	JB	E	9	P	3	R	P	O	CA		-	580	CL
	12/05/06	LL	H	6	C	26	R	-	O	CA		-	<2.0	CL
	WJ014.20	02/07/06	FSC	E		C	999	R	PS	O	CA		-	-
02/27/06		LL	HE	0	C	32	R	-	O	CA		<3.0	-	NW
03/08/06		FSC	LE		C	999	R	-	O	CA		-	-	E
03/28/06		LL	H	5	-	29	R	-	O	CA		<3.0	-	CL
04/26/06		JB	E	10	C	31	R	-	O	CA		3.6	-	CL
05/10/06		FSC	E	10	R	26	R	P	O	CA		9.1	-	SW
06/28/06		JB	HE	15	R	22	R	PN	O	R		43	-	CL
07/12/06		LL	H	23	C	28	R	-	O	R		15	-	CL
08/02/06		LL	LF		C	999	R	-	O	R		-	-	CL
09/27/06		TKF	F	15	P	29	R	-	O	R		-	<2.0	-
10/11/06		JXK	HE	16	O	31	R	-	O	R		-	<2.0	SE
10/24/06		LL	F	11	O	18	R	P	O	R		-	260	NW
12/05/06	LL	H	6	C	25	R	-	O	CR		-	4	CL	
WJ016.00	03/08/06	FSC	LE	4	C	32	R	-	O	A		<3.0	-	E



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WJ018.00	04/26/06	JB	E	6	C	32	R	-	O	A		<3.0	-	SW	
	05/10/06	FSC	E	10	R	30	R	P	O	A		<3.0	-	SW	
	07/12/06	LL	H	19	C	30	R	-	O	A		9.1	-	CL	
	08/02/06	LL	LF	24	C	29	R	-	O	A		<3.0	-	CL	
	09/27/06	TKF	L	12	P	30	R	-	O	A		-	<2.0	CL	
	03/08/06	FSC	LE		C	999	R	-	O	A		-	-	E	
	03/28/06	LL	H	5	-	31	R	-	O	A		<3.0	-	CL	
	04/26/06	JB	E	6	C	32	R	-	O	A		9.1	-	SW	
	05/10/06	FSC	E	10	R	28	R	P	O	A		3.6	-	SW	
WJ019.00	07/12/06	LL	H	26	C	26	R	-	O	A		150	-	CL	
	08/02/06	LL	F	30	C	1	R	-	O	A		460	-	CL	
	09/27/06	TKF	F	13	P	30	R	-	O	A		-	<2.0	-	
	03/08/06	FSC	LE		C	999	R	-	O	A		-	-	E	
	03/28/06	LL	H	5	-	28	R	-	O	A		<3.0	-	CL	
	04/26/06	JB	E	6	C	32	R	-	O	A		43	-	SW	
	05/10/06	FSC	E	10	R	30	R	P	O	A		<3.0	-	SW	
	07/12/06	LL	H	26	C	28	R	-	O	A		43	-	CL	
	08/02/06	LL	F		C	999	R	-	O	A		-	-	CL	
WJ024.00	09/27/06	TKF	LF	13	P	30	R	-	O	A		-	<2.0	CL	
	10/24/06	LL	HF	11	O	28	R	P	O	A		-	10	NW	
	03/08/06	FSC	LE		C	999	R	-	O	A		-	-	E	
	03/28/06	LL	HE	6	-	32	R	-	O	A		<3.0	-	CL	
	04/26/06	JB	E	6	C	32	R	-	O	A		9.1	-	S	
	05/10/06	FSC	E	10	R	30	R	P	O	A		15	-	SW	
	07/12/06	LL	HE	23	C	30	R	-	O	A		240	-	CL	
	08/02/06	LL	F	27	C	29	R	-	O	A		<3.0	-	CL	
	09/27/06	TKF	F	15	P	30	R	-	O	A		-	<2.0	-	
WJ026.00	03/08/06	FSC	L		C	999	R	-	O	A		-	-	E	
	03/28/06	LL	H	5	-	32	R	-	O	A		<3.0	-	CL	
	04/26/06	JB	E	6	C	32	R	-	O	A		<3.0	-	S	
	05/10/06	FSC	E		R	30	R	P	O	A		3.2	-	SW	
	07/12/06	LL	HE	23	C	28	R	-	O	A		150	-	CL	
	08/02/06	LL	F	27	C	29	R	-	O	A		<3.0	-	CL	
	09/27/06	TKF	LF	14	P	30	R	-	O	A		-	<2.0	-	
	WJ027.30	04/11/06	FP	HF	10	P	30	R	NW	O	CA		<3.0	-	CL
		05/10/06	DD	E	12	R	30	R	P	O	CA		3.6	-	E
06/21/06		DD	E	19	C	28	R	P	O	CA		<3.0	-	SE	
07/19/06		DD	E	17	C	30	R	W	O	CA		<3.0	-	NE	
07/31/06		DD	F	17	C	29	R	W	O	CA		<3.0	-	SW	
08/16/06		DD	F	19	C	30	R	-	O	CA		<3.0	-	-	
09/18/06		DD	E	19	C	30	R	-	C	CA		-	<2.0	S	
11/07/06		TLU	H	5	-	30	R	W	C	CA		-	2	SE	
WJ027.50		04/11/06	FP	HF	10	P	30	R	NW	O	CA		<3.0	-	CL
	05/10/06	DD	E	11	R	30	R	P	O	CA		43	-	E	
	06/21/06	DD	E	19	C	28	R	P	O	CA		<3.0	-	SE	
	07/19/06	DD	E	16	C	29	R	-	O	CA		<3.0	-	NE	
	07/31/06	DD	F	17	C	30	R	-	O	CA		<3.0	-	SW	
	08/16/06	DD	F	20	C	30	R	-	O	CA		<3.0	-	-	
	09/18/06	DD	HE	17	C	30	R	-	C	CA		-	<2.0	S	
	11/07/06	TLU	H	5	-	30	R	W	C	CA		-	<2.0	SE	
	WJ029.00	04/11/06	FP	HF	9	P	30	R	N	O	CA		<3.0	-	CL
05/10/06		DD	HE	13	R	30	R	P	O	CA		<3.0	-	E	
06/21/06		DD	E	20	C	29	R	P	O	CA		<3.0	-	SE	
07/19/06		DD	E	18	C	29	R	-	O	CA		3.6	-	NE	
07/31/06		DD	HF	17	C	29	R	-	O	CA		<3.0	-	SW	
08/16/06		DD	F	18	C	30	R	-	O	CA		<3.0	-	-	
09/18/06		DD	HE	18	C	30	R	-	C	CA		-	<2.0	S	
11/07/06		TLU	H	5	-	30	R	W	C	CA		-	4	SE	
WJ030.00		04/11/06	FP	HF	9	P	8	R	NW	C	P		<3.0	-	CL
	05/10/06	DD	HE	14	R	29	R	P	C	P		<3.0	-	E	
	06/21/06	DD	E	20	C	28	R	P	C	P		3.6	-	SE	
	07/19/06	DD	E	18	C	28	R	-	C	P		<3.0	-	NE	
	07/31/06	DD	F	19	C	28	R	-	C	P		<3.0	-	SW	



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	08/16/06	DD	F	20	C	26	R	-	C	P		7.3	-	-
	09/18/06	DD	HE	18	C	30	R	-	C	P		-	2	S
	11/07/06	TLU	H	5	-	30	R	W	C	P		-	2	SE
WJ031.50	04/11/06	FP	HF	10	P	29	R	NW	O	CA		<3.0	-	CL
	05/10/06	DD	HE	13	R	30	R	P	O	CA		<3.0	-	E
	06/21/06	DD	E	19	C	30	R	P	O	CA		<3.0	-	SE
	07/19/06	DD	E	19	C	30	R	-	O	CA		<3.0	-	NE
	07/31/06	DD	F	19	C	29	R	-	O	CA		<3.0	-	SW
	08/16/06	DD	F	23	C	30	R	-	O	CA		<3.0	-	-
	09/18/06	DD	HE	19	C	30	R	-	C	CA		-	<2.0	S
	11/07/06	TLU	H	5	-	30	R	W	C	CA		-	16	SE
WJ032.00	05/10/06	DD	HE	12	R	30	R	P	O	CA		<3.0	-	E
	06/21/06	DD	E	19	C	28	R	P	O	CA		3.6	-	SE
	07/19/06	DD	E	17	C	30	R	-	O	CA		<3.0	-	NE
	07/31/06	DD	F	17	C	29	R	-	O	CA		<3.0	-	SW
	08/16/06	DD	F	20	C	30	R	-	O	CA		23	-	-
	09/18/06	DD	HE	18	C	30	R	W	C	CA		-	<2.0	S
	11/07/06	TLU	H	5	-	30	R	W	C	CA		-	2	SE
WJ032.50	05/10/06	DD	H	12	R	28	R	PW	C	P		3	-	E
	06/21/06	DD	E	19	C	28	R	P	C	P		15	-	SE
	07/19/06	DD	E	18	C	29	R	-	C	P		<3.0	-	NE
	07/31/06	DD	F	19	C	29	R	-	C	P		9.1	-	SW
	08/16/06	DD	F	17	C	30	R	-	C	P		3.6	-	-
	09/18/06	DD	HE	17	C	28	R	W	C	P		-	<2.0	S
	11/07/06	TLU	E	7	-	28	R	W	C	P		-	66	SE
WJ033.00	04/11/06	FP	F	10	P	16	R	NW	O	CA		9.1	-	CL
	05/10/06	DD	H	13	R	30	R	PW	O	CA		<3.0	-	E
	06/21/06	DD	HE	19	C	29	R	P	C	P		<3.0	-	SE
	07/19/06	DD	E	18	C	29	R	-	C	P		9.1	-	NE
	07/31/06	DD	HF	21	C	28	R	-	C	P		9.1	-	SW
	08/16/06	DD	F	17	C	29	R	W	C	P		<3.0	-	-
	09/18/06	DD	HE	18	C	26	R	W	C	P		-	10	S
	11/07/06	TLU	E	7	-	28	R	W	C	P		-	96	SE
WJ033.50	05/10/06	DD	H	12	R	30	R	P	C	P		<3.0	-	E
	06/21/06	DD	E	20	C	28	R	P	C	P		3.6	-	SE
	07/19/06	DD	E	19	C	30	R	-	C	P		<3.0	-	NE
	07/31/06	DD	HF	18	C	29	R	-	C	P		9.1	-	SW
	08/16/06	DD	F	18	C	29	R	-	C	P		<3.0	-	-
	09/18/06	DD	HE	18	C	30	R	W	C	P		-	6	S
	11/07/06	TLU	HE	5	-	28	R	W	C	P		-	2	SE
WJ034.00	04/11/06	FP	H	10	P	30	R	-	O	CA		<3.0	-	CL
	05/10/06	DD	HF	12	R	29	R	P	O	CA		9.1	-	E
	06/21/06	DD	E	20	C	28	R	WP	O	CA		9.1	-	SE
	07/19/06	DD	E	18	C	30	R	-	O	CA		<3.0	-	NE
	07/31/06	DD	HF	18	C	29	R	-	O	CA		<3.0	-	SW
	08/16/06	DD	F	17	C	30	R	-	O	CA		<3.0	-	-
	09/18/06	DD	HE	18	C	30	R	W	C	CA		-	<2.0	S
	11/07/06	TLU	HE	5	-	30	R	W	C	CA		-	2	SE
WJ035.00	04/11/06	FP	H	10	P	30	R	NW	O	A		<3.0	-	CL
	05/10/06	DD	HF	14	R	30	R	P	O	A		3.6	-	E
	06/21/06	DD	E	17	C	29	R	P	O	CA		3.6	-	SE
	07/19/06	DD	E	18	C	30	R	W	O	CA		<3.0	-	NE
	07/31/06	DD	HF	17	C	29	R	W	O	CA		<3.0	-	SW
	08/16/06	DD	F	18	C	30	R	-	O	CA		<3.0	-	-
	09/18/06	DD	E	19	C	30	R	W	C	CA		-	8	S
	11/07/06	TLU	HE	5	-	30	R	-	C	CA		-	10	SE
WJ036.00	04/11/06	FP	H	10	P	30	R	NW	O	A		<3.0	-	CL
	06/21/06	DD	E	17	C	29	R	P	O	CA		<3.0	-	SE
	07/19/06	DD	E	18	C	30	R	-	O	CA		23	-	NE
	07/31/06	DD	HF	17	C	30	R	W	O	CA		<3.0	-	SW
	08/16/06	DD	F	18	C	30	R	-	O	CA		<3.0	-	-
	09/18/06	DD	E	19	C	30	R	H	C	CA		-	<2.0	S
	11/07/06	TLU	HE	6	-	30	R	-	C	CA		-	<2.0	SE



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WJ038.00	04/11/06	FP	H	11	P	31	R	-	C	P		<3.0	-	CL
	06/21/06	DD	E	16	C	29	R	P	C	CA		<3.0	-	SE
	07/19/06	DD	E	16	C	30	R	-	C	CA		5.1	-	NE
	07/31/06	DD	F	14	C	30	R	-	C	CA		<3.0	-	SW
	08/16/06	DD	F	17	C	30	R	H	C	CA		<3.0	-	-
	09/18/06	DD	E	18	C	30	R	H	C	CA		-	<2.0	S
11/07/06	TLU	H	5	-	30	R	-	C	CA		-	<2.0	SE	
WJ046.00	04/11/06	FP	H	12	P	30	R	-	O	A		<3.0	-	CL
	06/21/06	DD	E	17	C	28	R	P	O	A		<3.0	-	SE
	07/31/06	DD	F	14	C	30	R	-	O	A		<3.0	-	SW
	08/16/06	DD	F	17	C	30	R	H	O	A		<3.0	-	-
	09/18/06	DD	E	19	C	30	R	H	O	A		-	<2.0	S
	11/07/06	TLU	H	5	-	30	R	-	O	A		-	<2.0	SE
WJ047.00	01/17/06	LL	HF	2	C	30	R	-	O	CA		<3.0	-	NE
	02/07/06	JB	E	3	C	20	R	P	O	CA		<3.0	-	NW
	03/07/06	KEM	E	0	C	31	R	-	O	CA		<3.0	-	CL
	04/11/06	FP	HE	10	P	32	R	-	O	CA		<3.0	-	CL
	06/21/06	DD	E	18	C	28	R	P	C	CA		<3.0	-	SE
	07/31/06	DD	F	15	C	30	R	-	O	CA		<3.0	-	SW
	08/16/06	DD	F	17	C	30	R	H	C	CA		<3.0	-	-
	09/18/06	DD	E	18	C	30	R	M	C	CA		-	<2.0	S
	11/07/06	TLU	H	6	-	30	R	-	O	CA		-	<2.0	SE
	12/05/06	DD	HF	8	-	30	R	-	O	CA		-	<2.0	-
WJ048.00	04/11/06	FP	HE	11	P	30	R	W	O	A		<3.0	-	CL
	06/21/06	DD	E	19	C	30	R	BP	O	A		3.6	-	SE
	07/31/06	DD	F	15	C	30	R	-	C	P		<3.0	-	SW
	08/16/06	DD	F	18	C	30	R	H	C	P		<3.0	-	-
	09/18/06	DD	E	17	C	31	R	-	C	P		-	<2.0	S
	11/07/06	TLU	H	5	-	30	R	W	C	P		-	<2.0	SE
WJ048.50	06/21/06	DD	E	17	C	28	R	P	C	P		9.1	-	SE
	08/16/06	DD	F	19	C	31	R	H	C	P		<3.0	-	-
	09/06/06	DD	HF	19	C	30	R	P	C	P		-	<2.0	-
	09/18/06	DD	E	18	C	31	R	-	C	P		-	<2.0	S
	11/07/06	TLU	H	5	-	30	R	W	C	P		-	<2.0	SE
	12/12/06	DD	E	6	C	31	R	W	C	P		-	<2.0	-
WJ049.00	04/11/06	FP	HE	11	P	32	R	-	C	P		<3.0	-	SW
	06/21/06	DD	E	19	C	28	R	P	C	P		23	-	SE
	07/31/06	DD	F	15	C	30	R	W	C	P		<3.0	-	SW
	08/16/06	DD	F	18	C	30	R	H	C	P		<3.0	-	-
	09/18/06	DD	E	19	C	30	R	W	C	P		-	2	S
	11/07/06	TLU	HE	5	-	30	R	-	C	P		-	2	SE
WJ049.50	04/11/06	FP	HE	11	P	30	R	N	O	A		<3.0	-	SW
	06/21/06	DD	E	19	C	30	R	P	O	A		<3.0	-	SE
	07/31/06	DD	F	18	C	30	R	W	O	A		3.6	-	SW
	08/16/06	DD	F	18	C	30	R	H	O	A		9.1	-	-
	09/18/06	DD	E	19	C	30	R	W	O	A		-	<2.0	S
	11/07/06	TLU	HE	5	-	30	R	W	O	A		-	<2.0	SE
WJ050.50	04/11/06	FP	HE	11	P	30	R	-	O	A		<3.0	-	SW
	06/21/06	DD	E	18	C	29	R	P	O	A		<3.0	-	SE
	07/31/06	DD	F	18	C	30	R	-	O	A		<3.0	-	SW
	08/16/06	DD	F	18	C	30	R	H	O	A		<3.0	-	-
	09/18/06	DD	E	20	C	30	R	-	O	A		-	<2.0	S
	11/07/06	TLU	H	5	-	30	R	W	O	A		-	<2.0	SE
WJ051.00	04/11/06	LL	E	10	C	30	R	-	O	A		<3.0	-	CL
	06/21/06	JSC	E	18	C	28	R	-	O	A		<3.0	-	NW
	07/31/06	HWQ	LF	22	C	30	R	-	O	A		3.6	-	-
	08/17/06	HWQ	LE	20	C	30	R	-	O	A		<3.0	-	CL
	09/18/06	HWQ	E	18	C	30	R	-	O	A		-	<2.0	CL
	10/23/06	HWQ	H	9	R	30	R	P	O	A		-	3.6	N
WJ055.00	04/11/06	LL	E	8	C	30	R	-	O	A		<3.0	-	CL
	06/21/06	JSC	E	18	C	28	R	-	O	A		9.1	-	NW
	07/31/06	HWQ	LF	20	C	29	R	-	O	A		<3.0	-	-
	08/17/06	HWQ	LE	17	C	30	R	-	O	A		<3.0	-	CL



WJ Annual Review
 Effective Date: 10-11-07
 Revision No. 6

	09/18/06	HWQ	E	18	C	30	R	-	O	A		-	<2.0	CL
	10/23/06	HWQ	H	9	R	30	R	P	O	A		-	<2.0	N
WJ056.00	04/11/06	LL	E	8	C	32	R	-	O	A		240	-	CL
	06/21/06	JSC	E	18	C	28	R	-	O	A		<3.0	-	NW
	07/31/06	HWQ	LF	20	C	30	R	-	O	A		3.6	-	-
	08/17/06	HWQ	LE	19	C	30	R	-	O	A		<3.0	-	CL
	09/18/06	HWQ	E	17	C	30	R	-	O	A		-	<2.0	CL
	10/23/06	HWQ	H	9	R	30	R	P	O	A		-	4	N
WJ057.00	04/11/06	LL	E	8	C	30	R	-	C	P		<3.0	-	CL
	06/21/06	JSC	E	16	C	28	R	-	C	P		3.6	-	NW
	07/31/06	HWQ	L	20	C	30	R	W	C	P		9.1	-	-
	08/17/06	HWQ	F	19	C	31	R	-	C	P		<3.0	-	CL
	09/18/06	HWQ	H	18	C	30	R	-	C	P		-	2	CL
	10/23/06	HWQ	H	9	R	29	R	P	C	P		-	12	N
WJ058.00	04/11/06	LL	H	6	C	22	R	-	C	P		3.6	-	CL
	06/21/06	JSC	E	16	C	27	R	-	C	P		<3.0	-	NW
	07/31/06	HWQ	L	20	C	30	R	W	C	P		9.1	-	-
	08/17/06	HWQ	E	18	C	30	R	W	C	P		23	-	CL
	09/18/06	HWQ	E	18	C	30	R	-	C	P		-	16	CL
	10/23/06	HWQ	HF	9	R	30	R	P	C	P		-	2	N
WJ059.00	04/11/06	LL	H	8	C	30	R	-	O	A		<3.0	-	CL
	06/21/06	JSC	E	16	C	27	R	-	O	A		9.1	-	NW
	07/31/06	HWQ	L	20	C	30	R	-	O	A		<3.0	-	-
	08/17/06	HWQ	E	18	C	30	R	-	O	A		<3.0	-	CL
	09/18/06	HWQ	E	18	C	30	R	-	O	A		-	124	CL
	10/23/06	HWQ	HF	9	R	28	R	P	O	A		-	440	N
WJ060.00	04/11/06	LL	HE	10	C	30	R	-	O	A		<3.0	-	CL
	06/21/06	JSC	E	16	C	28	R	-	O	A		<3.0	-	NW
	07/31/06	HWQ	L	20	C	30	R	-	O	A		<3.0	-	-
	08/17/06	HWQ	E	18	C	30	R	-	O	A		<3.0	-	CL
	09/18/06	HWQ	E	16	C	30	R	-	O	A		-	2	CL
	10/23/06	HWQ	F	9	R	30	R	P	O	A		-	-	N
WJ061.00	04/11/06	LL	HE	8	C	30	R	-	C	P		<3.0	-	CL
	06/21/06	JSC	E	18	C	27	R	-	C	P		3.6	-	NW
	07/31/06	HWQ	L	18	C	30	R	-	C	P		<3.0	-	-
	08/17/06	HWQ	E	17	C	31	R	-	C	P		<3.0	-	CL
	09/18/06	HWQ	E	16	C	30	R	-	C	P		-	2	CL
	10/23/06	HWQ	F	9	R	30	R	P	C	P		-	<2.0	N
WJ062.00	01/17/06	LL	F	1	C	31	R	-	C	P		<3.0	-	NE
	02/07/06	FP	LE	5	P	30	R	P	C	P		<3.0	-	NW
	04/11/06	LL	HE	8	C	31	R	-	C	P		<3.0	-	CL
	06/21/06	JSC	E	18	C	27	R	-	C	P		<3.0	-	NW
	07/31/06	HWQ	L	18	C	30	R	-	C	P		3.6	-	-
	08/17/06	HWQ	E	18	C	31	R	-	C	P		<3.0	-	CL
WJ063.00	09/18/06	HWQ	HE	16	C	32	R	-	C	P		-	6	CL
	10/23/06	HWQ	F	9	R	30	R	P	C	P		-	2	N
	01/17/06	LL	F	1	C	30	R	W	C	P		<3.0	-	NE
	02/07/06	FP	LE	5	P	30	R	PW	C	P		<3.0	-	NW
	04/11/06	LL	HE	8	C	32	R	-	C	P		<3.0	-	CL
	06/21/06	JSC	HE	18	C	27	R	-	C	P		3.6	-	CL
WJ064.00	07/31/06	HWQ	L	18	C	31	R	-	C	P		<3.0	-	-
	08/17/06	HWQ	E	18	C	30	R	-	C	P		<3.0	-	CL
	09/18/06	HWQ	E	16	C	31	R	-	C	P		-	4	CL
	10/23/06	HWQ	F	9	R	30	R	P	C	P		-	360	N
	01/17/06	LL	F	1	C	32	R	-	O	CA		<3.0	-	NE
	02/07/06	FP	LE	4	P	30	R	P	O	CA		<3.0	-	NW
WJ064.00	04/11/06	LL	HE	8	C	32	R	-	O	CA		<3.0	-	CL
	06/21/06	JSC	HE	20	C	27	R	-	C	CA		<3.0	-	CL
	07/31/06	HWQ	LE	18	C	30	R	-	C	CA		<3.0	-	-
	08/17/06	HWQ	LF	19	C	31	R	-	C	CA		<3.0	-	CL
	09/18/06	HWQ	HE	19	C	30	R	-	C	CA		-	3.6	CL
	10/23/06	HWQ	F	9	R	30	R	P	O	CA		-	44	N



WJ065.00	01/17/06	LL	F	-1	C	31	R	-	O	CA		<3.0	-	NE	
	02/07/06	FP	E		P	999	R	PN	O	CA		-	-	NW	
	02/27/06	LL	H	0	C	32	R	-	O	CA		<3.0	-	NW	
	04/11/06	LL	HE	10	C	20	R	-	O	CA		<3.0	-	CL	
	06/21/06	JSC	HE	20	C	27	R	-	C	CA		93	-	CL	
	07/31/06	HWQ	LE		C	999	R	-	C	CA		-	-	-	
	08/17/06	HWQ	F	20	C	32	R	-	C	CA		15	-	CL	
	09/18/06	HWQ	HE	19	C	31	R	-	C	CA		-	<2.0	CL	
	10/23/06	HWQ	HF	9	R	29	R	P	O	CA		-	4	N	
	WJ066.00	01/17/06	LL	F	-1	C	32	R	-	O	CA		<3.0	-	NE
02/07/06		FP	E	3	P	25	R	P	O	CA		3.6	-	NW	
04/11/06		LL	HE	8	C	30	R	-	O	CA		<3.0	-	CL	
06/21/06		JSC	HE	20	C	27	R	-	C	CA		3.6	-	CL	
07/31/06		HWQ	LE		C	999	R	-	C	CA		-	-	-	
08/17/06		HWQ	F	20	C	31	R	-	C	CA		<3.0	-	CL	
09/18/06		HWQ	HE	18	C	30	R	-	C	CA		-	13	CL	
10/23/06		HWQ	HF	9	R	30	R	P	O	CA		-	680	N	
WJ067.00		01/17/06	LL	HF	-1	C	30	R	-	O	CA		<3.0	-	NE
		02/07/06	FP	E	3	P	30	R	P	O	CA		<3.0	-	NW
	04/11/06	LL	H	8	C	30	R	-	O	CA		<3.0	-	CL	
	06/21/06	JSC	HE	18	C	26	R	-	C	CA		9.1	-	CL	
	07/31/06	HWQ	L	18	C	30	R	-	C	CA		<3.0	-	-	
	08/17/06	HWQ	E	18	C	31	R	-	C	CA		<3.0	-	CL	
	09/18/06	HWQ	E	16	C	31	R	-	C	CA		-	<2.0	CL	
	10/23/06	HWQ	HF	9	R	30	R	P	O	CA		-	40	N	
	WJ068.00	01/17/06	LL	HF	-1	C	30	R	-	O	CA		<3.0	-	NE
		02/07/06	FP	E	3	P	26	R	PN	O	CA		<3.0	-	NW
04/11/06		LL	HE	8	C	30	R	-	O	CA		<3.0	-	CL	
06/21/06		JSC	HE	18	C	26	R	-	C	CA		43	-	CL	
07/31/06		HWQ	LE		C	999	R	-	C	CA		-	-	-	
08/17/06		HWQ	E		C	999	R	-	C	CA		-	-	CL	
08/17/06		HWQ	F	20	C	32	R	-	C	CA		240	-	CL	
09/18/06		HWQ	HE	18	C	31	R	-	C	CA		-	4	CL	
10/23/06		HWQ	HF	9	R	30	R	P	O	CA		-	29	N	
WJ070.00		01/17/06	LL	HF	-1	C	30	R	-	O	CA		<3.0	-	NE
	02/07/06	FP	E	3	P	30	R	P	O	CA		<3.0	-	NW	
	04/11/06	LL	HE	8	C	30	R	-	O	CA		<3.0	-	CL	
	06/21/06	JSC	HE	18	C	26	R	-	C	CA		23	-	NW	
	07/31/06	HWQ	L		C	999	R	-	C	CA		-	-	-	
	08/17/06	HWQ	E		C	999	R	-	C	CA		-	-	CL	
	08/17/06	HWQ	F	20	C	31	R	-	C	CA		<3.0	-	CL	
	09/18/06	HWQ	HE	18	C	30	R	-	C	CA		-	<2.0	CL	
	10/23/06	HWQ	HF	9	R	29	R	P	O	CA		-	15	N	

* Red indicates samples not collected because there was no water at low tide

Shoreline Survey Activity

The Harraseeket River and Recompense Cove, Freeport, were surveyed in 2006. Maquoit Bay and Middle Bay, Brunswick, were surveyed in 2006. The west side of Harpswell Neck and Basin Cove were surveyed in 2005. Ash Point Cove was surveyed in 1999 and Flying Point was surveyed in 1994. Flying Point needs to be resurveyed as soon as possible. Drive through surveys of growing area WJ were done during random sampling runs.

In 2006, failing septic systems were found in Middle Bay and Maquoit Bay and corrected. In the Harraseeket River, a failing septic system was found at Mast Landing. The system is leaching into a pond and draining directly into Mill Stream, above station WJ 14.2. The owner was



advised and will be replacing the system in the spring of 2007. This area of the river is classified conditionally restricted.

Aquaculture/Wet Storage Activity

PHOR 04

Original Date: 1/22/2004 **Effective Date:** 1/30/2007 **Expiration Date:** 12/31/2007

NOAA Chart: 13290

Description: Harraseeket River Freeport Cumberland County

Acreage: 0.01

Conditions:

Transfer/Renewal History:

Species Cultivated: oyster eastern / american (*Crassostrea virginica*)

Cultivation Technique(s): Upweller or Flupsy

Chance Along Farm Inc.

Peter Horne

210 Flying Point Road

Freeport, ME 04032

207-865-3095 Fax:

Formerly LPA 2004-01.

Chart and lease boundaries not to be used for legal purposes.

This site is located in a prohibited area.

MAQ BR1

Original Date: 7/1/1995 **Effective Date:** 7/1/2005 **Expiration Date:** 6/30/2015

NOAA Chart: 13290

Description: Maquoit Bay Casco Bay Freeport Cumberland County

Acreage: 5

Conditions:

Transfer/Renewal History:

Species Cultivated: oyster eastern / american (*Crassostrea virginica*) - clam soft (*Mya arenaria*) - mussel blue sea (*Mytilus*

edulis) - scallop sea (*Placopecten magellanicus*) - clam ocean quahog (*Arctica islandica*) - clam surf / hen (*Spisula solidissima*)

Cultivation Technique(s): Bottom - Suspended

Chance Along Farm Inc.

Peter Horne

210 Flying Point Road

Freeport, ME 04032

207-865-3095 Fax:

Eric Horne and Valy Steverlynck

62 Pine Street

Freeport ME 04032

207-221-5172 Fax:

The lease area shall be marked in accordance with the requirements of the U.S. Coast Guard and the Department of Marine Resources.

Lease transferred from Chance Along Sea Farms Inc. to Peter Horne (tract A: 155-95) and Edward F. Bradley (tract B: 156-95) on July 1, 1985.

Chart and lease boundaries not to be used for legal purposes.



This site is located in a seasonal conditionally approved area; open 1/1 to 8/31.

MAQ BR2

Original Date: 7/1/1995 **Effective Date:** 7/1/2005 **Expiration Date:** 6/30/2015

NOAA Chart: 13290

Description: Maquoit Bay Casco Bay Freeport Cumberland County

Acreage: 5

Conditions:

Transfer/Renewal History:

Species Cultivated: oyster eastern / american (*Crassostrea virginica*) - clam soft (*Mya arenaria*) - mussel blue sea (*Mytilus*

edulis) - clam northern quahog / hard (*Mercenaria mercenaria*) - scallop sea (*Placopecten magellanicus*) - clam surf / hen (*Spisula solidissima*)

Cultivation Technique(s): Bottom - Suspended

Chance Along Farm Inc.

Peter Horne
210 Flying Point Road
Freeport, ME 04032
207-865-3095 Fax:

Bradley, Edward

242 Flying Point Road
Freeport ME 04032
Fax:

The lease area shall be marked in accordance with the requirements of the U.S. Coast Guard and the Department of Marine Resources.

Lease transferred from Chance Along Sea Farms Inc. to Peter Horne (Tract B: 156-95) on July 1, 1985.

Chart and lease boundaries not to be used for legal purposes.

This site is located in a seasonal conditionally approved area; open 1/1 to 8/31.

Visit MDMR web site for maps:

<http://www.maine.gov/dmr/aquaculture/leaseinventory2006/documents/SPR05.pdf>

Classification Changes Required

Station WJ 18 at the mouth of the Little River no longer meets approved standards. The shoreline was surveyed in 2006 and no actual pollution sources were identified. This area should be reclassified as restricted down to Stations WJ 16 and 19, which meet approved standards.

Stations WJ 11 and 14 at the head of the Harraseeket River no longer meet conditionally approved standards. The shoreline was surveyed in 2006 and no actual pollution sources were identified in the Porters Landing/Bartol Island area. A failing septic system was found on Mill Stream, north of station WJ 14.2, which is to be replaced in the spring of 2007. The



conditionally approved areas, north of the Freeport Wastewater Treatment Plant prohibited area, should be reclassified as conditionally restricted.

The shoreline survey conducted in 2006 Maquoit Bay area identified a straight pipe upstream of the station WJ 33. This pipe was replaced with an approved system in December 2006. The data for this area will have to be reviewed and analyzed and a determination made regarding the correct classification for the area.

Station WJ 61 has been classified prohibited due to a malfunctioning septic system. In 2006, the system was repair and approved by the plumbing inspector and is no longer a potential source of pollution. Water quality meets approved standards at station WJ 61 and it should be reclassified as approved.

Stations WJ 62 and 63 have been classified prohibited due to a licensed overboard discharge, which was removed in 2004. The shoreline survey was redone in 2005 and confirmed the replacement of the OBD. Water quality meets approved standards at these stations, but there is potential pollution from boats moored at the Dolphin Marina, Station WJ 62. The boats are in the water and being used from May 1 through November 15. Additional analysis including a dilution calculation will have to done to determine the size of the closure that will be needed for the marina. The head of Basin Cove is classified conditionally approved with an open season of 10/1 to 4/30, however due to the failing water quality at station WJ 66, the is area is in closed status and will remain so until a more in depth analysis of the area is done to determine its appropriate classification.

Discussion & Summary

The upper area of the Harraseeket River no longer meets approved standards and should be reclassified as conditionally restricted. The source of pollution at station WJ 11 is unknown. However, there is a failing septic system at Mast Landing that might be impacting stations WJ 14 and 14.2. This system is scheduled for replacement in spring of 2007.

The head of Recompense Cove no longer meets approved standards and should be reclassified as restricted. The source of pollution is unknown. However, the Little River at the head of the cove is bordered by the Wolf Neck Organic Beef Farm and undeveloped land that may be contributing non-point pollution. Increased testing of streams, drainage ditches and the cove and survey work is needed to identify the source of the pollution.

In Maquoit Bay a failing septic system at the head of the cove was identified during the 2006 survey and corrected. This area went through numerous classification changes over the years. The data for this area will have to be reviewed and analyzed and a determination made regarding the appropriate classification for the area.

The west side of Barnes Point can be reclassified as approved. The failing septic system along this shore was repaired according to code and water quality meets approved standards.

The overboard discharge at the mouth of Basin Cove was replaced. Water quality meets approved standards at these stations, but there is potential pollution from boats moored at the



Dolphin Marina, Station WJ 62. The boats are in the water and being used from May 1 through November 15. Additional analysis including a dilution calculation will have to be done to determine the size of the closure that will be needed for the marina. The head of Basin Cove is classified conditionally approved with an open season of 10/1 to 4/30, however due to the failing water quality at station WJ 66, the area is in closed status and will remain so until a more in depth analysis of the area is done to determine its appropriate classification.



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.



Appendix 1. Annual Review of Management Plan-Harraseeket River Marina Area

Scope

A portion of Growing Area WJ, Harraseeket River, is conditionally approved based on the presence or absence of 10 or more boats with heads at the South Freeport town docks, which may discharge into the Harraseeket River. The conditional area, monitored by station WJ 6, was classified conditionally approved in August 2002. MDMR evaluated the Harraseeket River data, made observations of the marinas, and interviewed the marina owners with regard to usage in December 2001, and made the assessment that fewer than 10 boats are in the area from November 15 through May 1. Water quality met approved standards from December 1 through April 30.

Compliance with management plan

In 2006 the seasonal conditional area closed on May 1 and reopened on December 1. The area was visited by MDMR on 4/26/06 and there were fewer than 10 boats with heads in the area. It was also visited on 11/15/06, and there were fewer than 10 boats with heads in the area. The seasonal closures are enforced by the MDMR Marine Patrol and the local Shellfish Warden. Cooperation between the involved parties has been excellent.

Adequacy of reporting and cooperation of involved persons

This management plan does not require reporting.

Compliance with approved growing area criteria

The annual review of the water quality at station WJ 6 meets approved standards during the open status time period as displayed in Table 1 below.

Table 1.

MAINE DEPARTMENT OF MARINE RESOURCES									As of: September 19, 2007
Fecal Coliform Geometric Mean and Percent Variability									
For the Years 2001 Through 2006 - (01/01 - 04/30) (12/01 - 12/31)									
Status = Open and Closed Stations									
Strategy = Random Only									
Samples Limited to Latest 30									
Salinity >= 0 ‰									
STATION	CLASS	CNT	MFCNT	GM	SDV	MAX	P90	APPD_STD	RESTR_STD
WJ006.00	CA	26	1	4.5	0.39	43	14.1	48	293



Field inspection of critical pollution sources

The potential for pollution in the South Freeport area comes from boats with heads that are moored at the town docks. Visual observations are made of the Harraseeket River at the end of April and in the middle of November to ensure that there are fewer than 10 boats with heads in the cove.

Water sampling compliance history

Station WJ 6 was collected 3 times when in the open status and 11 times in 2006. This station is located in the middle of Harraseeket River, which is classified conditionally approved based on the proper functioning of the Freeport Wastewater Treatment Plant. Even though the marina area is open from 12/1 to 4/30, Station WJ 6 was closed from December 27, 2005 through February 16, 2006 due to a treatment plant malfunction. The results of all sampling can be found in the 2006 Annual Review for Growing Area WJ.

MAINE DEPARTMENT OF MARINE RESOURCES Tabulated Station Data for Area(s): WJ - WJ For the Years 2006 Through 2006 - (01/01 - 12/31) Status = Open and Closed Stations Strategy = Random Only Excludes Flood Data = Y	As of: December 26, 2006
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WJ006.00	02/07/06	FSC	HE	-1	C	23	R	PS	C	CA		43	-	E
	03/08/06	FSC	E	4	C	31	R	M	O	CA		<3.0	-	E
	04/26/06	JB	HE	6	C	32	R	-	O	CA		<3.0	-	S
	05/10/06	FSC	HE	10	R	29	R	MP	C	CA		<3.0	-	SW
	06/28/06	JB	H	16	R	26	R	PB	C	CA		240	-	CL
	07/12/06	LL	F	18	C	30	R	-	C	CA		43	-	CL
	08/02/06	LL	L	23	C	28	R	-	C	CA		75	-	CL
	09/27/06	TKF	LE	10	P	30	R	M	C	CA		-	2	CL
	10/11/06	JXK	E	16	O	32	R	-	C	CA		-	<2.0	SE
	11/15/06	JB	E	9	P	12	R	PB	C	CA		-	500	SW
	12/05/06	LL	HE	6	C	30	R	-	O	CA		-	2	CL

Analysis-Recommendations

It is MDMR policy to observe marina areas two weeks before reopenings to ensure compliance with approved standards. Harraseeket River was observed on November 15 for the reopening on December 1. Fewer than 10 boats with heads were in the water.



Appendix 2. Annual Review of Management Plan-Harraseeket River Wastewater Treatment Plant Area

Scope

The Harraseeket River has several areas that are conditionally approved based on the proper functioning of the Freeport Wastewater Treatment Plant, including the northeast corner, the northwest corner, a strip in the middle of the river and south end of the estuary. There is also a strip in the middle of the river that is conditionally approved based on marina usage and open seasonally. When the marina area is open, it is also conditionally approved based on the treatment plan.

Compliance with management plan

In 2006, there was one closure due to a treatment plant malfunction. The conditional area closed on December 27, 2005, following the emergency response plan, and reopened February 16, 2006, following the management plan requirements. Water and shellfish samples were tested prior to the reopening and met approved standards.

Adequacy of reporting and cooperation of involved persons

There is an emergency response plan with the Freeport Wastewater Treatment Plant. When there was a plant failure on December 27, plant personnel carried out the emergency response plan and the conditional area closed appropriately.

There is a review of the Freeport Wastewater Treatment Plant each year. Personnel at the Freeport Wastewater Treatment Plant have worked with DMR on several occasions to track down and correct actual / potential problems as soon as they are identified. They were very cooperative about participating in an FDA dye study to determine the size of the prohibited area around the outfall.

Compliance with approved growing area criteria

The annual review data analysis, as seen in Table 1 below, shows that WJ 11, 14 and 14.2 did not meet appropriate standards when the area was open.

Table 1 Harraseeket River Area Geomean and P90-Open Status

MAINE DEPARTMENT OF MARINE RESOURCES	As of: February 16, 2007
Fecal Coliform Geometric Mean and Percent Variability	
For the Years 2001 Through 2006 - (01/01 - 12/31)	
Status = Open Stations Only	
Strategy = Random Only	
Samples Limited to Latest 30	
Salinity >= 0 ‰	



STATION	CLASS	CNT	MFCNT	GM	SDV	MAX	P90	APPD_STD	RESTR_STD
WJ001.00	CA	30	4	4.7	0.42	93	16.6	46	277
WJ003.00	CA	30	4	4.9	0.40	56	15.9	46	277
WJ006.00	CA	30	4	6.5	0.64	500	42.8	46	277
WJ008.00	CA	30	5	5.8	0.62	1700	36.2	45	271
WJ011.00	CA	30	4	7.3	0.71	460	59.4	46	277
WJ014.00	CA	30	4	7.3	0.64	580	47.4	46	277
WJ014.20	CR	30	4	9.4	0.68	460	70.7	46	277

Field inspection of critical pollution sources

The potential for pollution in the Harraseeket River area comes from the improper functioning of the Freeport Wastewater Treatment Plant. The outfall pipe from the Freeport WWTP, located in the middle of the Harraseeket River, is the primary pollution source. The plant is reviewed each year and continues to function properly.

Water sampling compliance history

All conditional stations were collected every month but January. The samples collected in February were collected while the area was in the closed status.

MAINE DEPARTMENT OF MARINE RESOURCES Tabulated Station Data for Area(s): WJ - WJ For the Years 2006 Through 2006 - (01/01 - 12/31) Status = Open and Closed Stations Strategy = Random Only Excludes Flood Data = Y Excludes Inactive Stations	As of: December 26, 2006
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WJ001.00	02/07/06	FSC	E	-1	C	26	R	PS	C	CA	<3.0	-	E
	03/08/06	FSC	E	4	C	31	R	-	O	CA	<3.0	-	E
	04/26/06	JB	H	7	C	32	R	-	O	CA	<3.0	-	CL
	05/10/06	FSC	H	10	R	29	R	P	O	CA	<3.0	-	SW
	06/28/06	JB	H	14	R	27	R	P	O	CA	<3.0	-	CL
	07/12/06	LL	HF	21	C	28	R	-	O	CA	3.6	-	CL
	08/02/06	LL	L	27	C	29	R	-	O	CA	9.1	-	CL
	09/27/06	TKF	F	13	P	30	R	-	O	CA	-	<2.0	CL
	10/11/06	JXK	E	15	O	32	R	-	O	CA	-	20	SE
	11/15/06	JB	LE	9	P	29	R	P	O	CA	-	9.1	CL
	12/05/06	LL	HE	6	C	28	R	-	O	CA	-	14	CL
	WJ003.00	02/07/06	FSC	HE	-1	C	28	R	PS	C	CA	93	-
03/08/06		FSC	E	4	C	32	R	-	O	CA	<3.0	-	E
04/26/06		JB	H	6	C	32	R	-	O	CA	<3.0	-	S
05/10/06		FSC	H	10	R	30	R	P	O	CA	<3.0	-	SW
06/28/06		JB	H	15	R	27	R	PB	O	CA	23	-	CL
07/12/06		LL	F	19	C	28	R	-	O	CA	23	-	CL
08/02/06		LL	L	30	C	29	R	-	O	CA	23	-	CL
09/27/06		TKF	F	12	P	30	R	-	O	CA	-	<2.0	CL
10/11/06		JXK	E	15	O	32	R	-	O	CA	-	11	SE
11/15/06		JB	E	9	P	26	R	P	O	CA	-	56	CL
12/05/06	LL	HE	6	C	30	R	-	O	CA	-	6	CL	
WJ006.00	02/07/06	FSC	HE	-1	C	23	R	PS	C	CA	43	-	E
	03/08/06	FSC	E	4	C	31	R	M	O	CA	<3.0	-	E
	04/26/06	JB	HE	6	C	32	R	-	O	CA	<3.0	-	S



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Effective Date: 10-11-07
Revision No. 6

	05/10/06	FSC	HE	10	R	29	R	MP	C	CA	<3.0	-	SW
	06/28/06	JB	H	16	R	26	R	PB	C	CA	240	-	CL
	07/12/06	LL	F	18	C	30	R	-	C	CA	43	-	CL
	08/02/06	LL	L	23	C	28	R	-	C	CA	75	-	CL
	09/27/06	TKF	LE	10	P	30	R	M	C	CA	-	2	CL
	10/11/06	JXK	E	16	O	32	R	-	C	CA	-	<2.0	SE
	11/15/06	JB	E	9	P	12	R	PB	C	CA	-	500	SW
	12/05/06	LL	HE	6	C	30	R	-	O	CA	-	2	CL
WJ008.00	02/07/06	FSC	E		C	999	R	PS	C	P	-	-	E
	02/27/06	LL	HE	1	C	32	R	-	C	P	3.6	-	NW
	03/08/06	FSC	E		C	999	R	-	O	A	-	-	E
	03/28/06	LL	H	4	-	29	R	-	O	A	<3.0	-	CL
	04/26/06	JB	HE	9	C	32	R	-	O	CA	<3.0	-	S
	05/10/06	FSC	HE	10	R	29	R	P	O	CA	20	-	SW
	06/28/06	JB	H	17	R	24	R	P	O	CA	240	-	CL
	07/12/06	LL	F	23	C	29	R	-	O	CA	3.6	-	CL
	08/02/06	LL	LF		C	999	R	-	O	CA	-	-	CL
	09/27/06	TKF	F	15	P	30	R	-	O	CA	-	<2.0	CL
	10/11/06	JXK	E	15	O	31	R	-	O	CA	-	>1600	SE
	10/24/06	LL	F	11	O	28	R	P	O	CA	-	29	NW
	11/15/06	JB	E		P	999	R	P	O	CA	-	-	SW
	11/29/06	LL	F	6	O	26	R	-	O	CA	-	6	CL
	12/05/06	LL	HE	6	C	28	R	-	O	CA	-	8	CL
WJ009.00	02/07/06	FSC	E	-1	C	25	R	PS	C	P	9.1	-	E
	03/08/06	FSC	E	4	C	30	R	-	C	P	<3.0	-	E
	04/26/06	JB	HE	7	C	30	R	-	C	P	3.6	-	S
	05/10/06	FSC	HE	10	R	30	R	PW	C	P	<3.0	-	SW
	06/28/06	JB	HE	17	R	24	R	P	C	P	240	-	CL
	07/12/06	LL	F	23	C	28	R	-	C	P	>1100	-	CL
	08/02/06	LL	LF	30	C	26	R	-	C	P	93	-	CL
	09/27/06	TKF	F	16	P	30	R	-	C	P	-	<2.0	-
	10/11/06	JXK	E	15	O	32	R	-	C	P	-	30	SE
	11/15/06	JB	E	9.5	P	5	R	P	C	P	-	520	SW
	12/05/06	LL	HE	6	C	28	R	-	C	P	-	76	CL
WJ009.50	03/08/06	FSC	E		C	999	R	-	C	P	-	-	E
	03/28/06	LL	HF	4	-	30	R	-	C	P	<3.0	-	CL
	04/26/06	JB	HE	8	C	31	R	-	C	P	<3.0	-	CL
	05/10/06	FSC	HE	10	R	28	R	P	C	P	3.6	-	SW
	06/28/06	JB	HE	16	R	26	R	P	C	P	150	-	E
	07/12/06	LL	F	22	C	28	R	-	C	P	23	-	CL
	08/02/06	LL	LF		C	999	R	-	C	P	-	-	CL
	09/27/06	TKF	F	16	P	30	R	-	C	P	-	<2.0	-
	10/11/06	JXK	HE	15	O	32	R	-	C	P	-	88	SE
	10/24/06	LL	F	11	O	26	R	P	C	P	-	12	NW
	11/15/06	JB	E	10	P	9	R	P	C	P	-	660	SW
	12/05/06	LL	HE	6	C	28	R	-	C	P	-	220	CL
WJ011.00	02/07/06	FSC	HE	-3	C	20	R	PS	C	CA	23	-	E
	03/08/06	FSC	E		C	999	R	-	O	CA	-	-	E
	03/28/06	LL	HF	4	-	30	R	-	O	CA	<3.0	-	CL
	04/26/06	JB	HE	8	C	30	R	N	O	CA	<3.0	-	S
	05/10/06	FSC	HE	10	R	28	R	P	O	CA	<3.0	-	SW
	06/28/06	JB	HE	17	R	23	R	PN	O	CA	75	-	S
	07/12/06	LL	F	22	C	26	R	-	O	CA	11	-	CL
	08/02/06	LL	LF	27	C	10	R	-	O	CA	460	-	CL
	09/27/06	TKF	F	15	P	29	R	-	O	CA	-	<2.0	-
	10/11/06	JXK	HE	16	O	32	R	-	O	CA	-	<2.0	SE
	11/15/06	JB	E	10	P	4	R	PWN	O	CA	-	420	SW
	12/05/06	LL	HE	6	C	28	R	-	O	CA	-	<2.0	CL
WJ014.00	02/07/06	FSC	HE	-3	C	12	R	PS	C	CA	43	-	E
	03/08/06	FSC	E	4	C	26	R	-	O	CA	<3.0	-	E
	04/26/06	JB	HE	7	C	31	R	-	O	CA	<3.0	-	S
	05/10/06	FSC	HE	10	R	29	R	P	O	CA	<3.0	-	SW
	06/28/06	JB	HE	17	R	24	R	PN	O	CA	9.1	-	S



	07/12/06	LL	HF	23	C	30	R	-	O	CA		43	-	CL
	08/02/06	LL	LF	27	C	18	R	-	O	CA		240	-	CL
	09/27/06	TKF	F	15	P	28	R	-	O	CA		-	<2.0	-
	10/11/06	JXX	HE	15	O	32	R	-	O	CA		-	28	SE
	11/15/06	JB	E	9	P	3	R	P	O	CA		-	580	CL
	12/05/06	LL	H	6	C	26	R	-	O	CA		-	<2.0	CL
WJ014.20	02/07/06	FSC	E		C	999	R	PS	O	CA		-	-	E
	02/27/06	LL	HE	0	C	32	R	-	O	CA		<3.0	-	NW
	03/08/06	FSC	LE		C	999	R	-	O	CA		-	-	E
	03/28/06	LL	H	5	-	29	R	-	O	CA		<3.0	-	CL
	04/26/06	JB	E	10	C	31	R	-	O	CA		3.6	-	CL
	05/10/06	FSC	E	10	R	26	R	P	O	CA		9.1	-	SW
	06/28/06	JB	HE	15	R	22	R	PN	O	R		43	-	CL
	07/12/06	LL	H	23	C	28	R	-	O	R		15	-	CL
	08/02/06	LL	LF		C	999	R	-	O	R		-	-	CL
	09/27/06	TKF	F	15	P	29	R	-	O	R		-	<2.0	-
	10/11/06	JXX	HE	16	O	31	R	-	O	R		-	<2.0	SE
	10/24/06	LL	F	11	O	18	R	P	O	R		-	260	NW
	12/05/06	LL	H	6	C	25	R	-	O	CR		-	4	CL

Analysis-Recommendations

MDMR and Freeport Wastewater Treatment Plant Staff shall evaluate the Harraseeket River Management Plan on an annual basis. At the time of the annual review, the parties involved in the proper management of the Harraseeket River conditional area shall sign and date the management plan in order to indicate their acceptance of the conditions stated therein.



Appendix 3. Annual Review of Management Plan-Maquoit Bay Seasonal Area

Scope

Maquoit Bay is a conditionally approved area due to seasonal variation in water quality, Maquoit Bay, monitored by stations WJ 27.3 - 38, was classified conditionally approved based on seasonal variation in water quality in 2004. MDMR evaluated the Maquoit Bay data in December 2003, and made the assessment that there is greater variation in water quality during the fall and winter months, when numerous migrating shore birds were observed around the bay. It was speculated that the migrating birds may be the source of the pollution; however this has not been proven. Water quality testing indicates that the area met approved standards from September 1 through April 14.

The Maquoit Bay area has a history of water quality problems attributed to a variety of reasons. Prior to December 2001, the area had been classified as conditionally approved on ≥ 1 " rainfall in 24 hours. The head of Maquoit Bay (north of a line from a landing at Wharton Point to Pulsifer Point) was classified as prohibited in a legal notice dated July 9, 2003. The remainder of Maquoit Bay (with the exception of Bunganuc Creek) was classified conditionally approved on ≥ 1 " of rainfall in 24 hours. In January of 2004, the conditional area management plan was changed from rainfall to migratory bird populations and was a seasonal conditional area which was in the open status from April 15 through August 31, the whole of Maquoit Bay was included in the conditional area with the exception of the prohibited area in Bunganuc Creek. An addendum to the sanitary survey report was submitted in September of 2005 to recommend that the stations at the head of the bay no longer met the criteria for approved status and should be classified prohibited. The report also noted that rainfall did impact the sample scores in the area. Since there was no point source of pollution, the area (the head of Maquoit Bay) was classified restricted which was the appropriate classification based on the NSSP Model Ordinance. In a legal notice dated May 3, 2006, the seasonal conditional area was expanded to include all of the Merepoint Neck shore and extended the open status of the conditionally approved area to January 1 to August 31.

The head of Maquoit Bay, located between Flying Point, Freeport and Merepoint, Brunswick, was reclassified as restricted due to water quality on April 14, 2006 (DMR Regulation 95.03 W, Closed Area No. 17-B, Maquoit Bay, Brunswick and Freeport). The cause of the water quality degradation was unknown. In 2006, the town of Brunswick and the Maine DEP conducted a shoreline survey and located a straight pipe which went underground from a home and opened to the water near water quality station WJ33. The straight pipe was replaced with an approved inground system in December 2006 as reported by Brunswick Marine Warden Devereaux in a memo to DMR on January 3, 2007. Station WJ 33 is located at a public boat launch which is used frequently for launching and loading boats and as a dog walking area. While no other obvious sources of pollution were found in the area, the town has installed dog waste bag dispensers and information to educate the public to pick up dog waste. The town reports that they have collected samples on the fresh water stream entering the bay near the landing but they have not submitted any data for the department to review.



Compliance with management plan

In 2006, the conditional area began the year closed. It opened on April 15 and closed on September 1. All conditional stations were sampled on 4/11/06 and met approved standards as seen below:

Station	Date	Tide	Temp	Weather	Sal	ADV	A1COL	WIND
WJ027.30	04/11/06	HF	10	P	30	NW	<3.0	CL
WJ027.50	04/11/06	HF	10	P	30	NW	<3.0	CL
WJ029.00	04/11/06	HF	9	P	30	N	<3.0	CL
WJ031.50	04/11/06	HF	10	P	29	NW	<3.0	CL
WJ033.00	04/11/06	F	10	P	16	NW	9.1	CL
WJ034.00	04/11/06	H	10	P	30	-	<3.0	CL
WJ035.00	04/11/06	H	10	P	30	NW	<3.0	CL
WJ036.00	04/11/06	H	10	P	30	NW	<3.0	CL
WJ038.00	04/11/06	H	11	P	31	-	<3.0	CL

Adequacy of reporting and cooperation of involved persons

This management plan does not require reporting

Compliance with approved growing area criteria

The annual review seasonal data analysis, as seen in Table 1 below, shows that the conditionally approved stations in Maquoit Bay met approved standards during the open season.

Table 1 Geomean and P90 During Open Status

Table 8 Maquoit Bay Conditional Area Geomean and P90-Open Status

MAINE DEPARTMENT OF MARINE RESOURCES									
							As of: February 16, 2007		
Fecal Coliform Geometric Mean and Percent Variability									
For the Years 2001 Through 2006 - (01/01 - 08/30)									
Status = Open and Closed Stations									
Strategy = Random Only									
Samples Limited to Latest 30									
Salinity >= 0 ‰									
STATION	CLASS	CNT	MFCNT	GM	SDV	MAX	P90	APPD_STD	RESTR_STD
WJ027.30	CA	6	0	3.0	0.04	3.6	3.4	49	300
WJ027.50	CA	30	0	5.1	0.44	240	18.6	49	300
WJ029.00	CA	30	0	4.3	0.41	240	14.7	49	300
WJ030.00	P	30	0	8.6	0.62	1200	53.8	49	300
WJ031.50	CA	30	0	4.2	0.44	460	15.3	49	300
WJ032.00	CA	30	0	5.3	0.52	240	24.9	49	300
WJ032.50	P	5	0	5.3	0.32	15	14.1	49	300
WJ033.00	P	30	0	6.8	0.64	1100	44.8	49	300
WJ033.50	P	5	0	3.8	0.22	9.1	7.3	49	300
WJ034.00	CA	30	0	5.9	0.53	1100	28.1	49	300
WJ035.00	CA	26	0	5.1	0.38	43	15.7	49	300
WJ036.00	CA	25	0	4.6	0.35	43	13.2	49	300
WJ038.00	CA	26	0	6.2	0.55	460	31.7	49	300



Field inspection of critical pollution sources

Visual observations are made throughout the year during the course of random sampling and shoreline surveying.

Water sampling compliance history

All stations were 6 times when in the open status in 2006. The results of all sampling can be found in the 2006 Annual Review for Growing Area WJ.

Analysis-Recommendations

It is MDMR policy to sample two weeks before opening a seasonal area to ensure compliance with approved standards. This policy was established at the end of October 2006.



Appendix 4. Annual Review of Management Plan-Merepoint Marina Area

Scope

A portion of Growing Area WJ, Paul's Marina at Merepoint Neck, is conditionally approved based on the presence or absence of 10 or more boats with heads at the marina, which may discharge into Middle Bay. Paul's Marina, monitored by station WJ 47, was classified conditionally approved in January 1995. MDMR evaluated the data, made observations of the marina, and interviewed the marina owner with regard to usage in December 1994, and made the assessment that fewer than 10 boats are in the cove from October 15 through April 15. Water quality met approved standards from November 1 through April 15.

Compliance with management plan

In 2006 the seasonal conditional area closed on April 15 and reopened on November 1. The area was visited by MDMR on 4/11/06 and there were fewer than 10 boats with heads in the area. It was also visited at the end of October, and there were fewer than 10 boats with heads in the area. The seasonal closures are enforced by the MDMR Marine Patrol and the local Shellfish Warden. Cooperation between the involved parties has been excellent.

Adequacy of reporting and cooperation of involved persons

This management plan does not require reporting.

Compliance with approved growing area criteria

The annual review of the water quality for all active stations meets approved standards during the open status time period as displayed in Table 1.

Table 1.

MAINE DEPARTMENT OF MARINE RESOURCES									
Fecal Coliform Geometric Mean and Percent Variability									
For the Years 2001 Through 2006 - (01/01 - 04/15) (11/01 - 12/31)									
Status = Open and Closed Stations									
Strategy = Random Only									
Samples Limited to Latest 30									
Salinity >= 0 ‰									
STATION	CLASS	CNT	MFCNT	GM	SDV	MAX	P90	APPD_STD	RESTR_STD
WJ047.00	CA	27	2	3.7	0.32	43	9.5	47	287

Field inspection of critical pollution sources

The potential for pollution at Paul's Marina comes from boats with heads that are moored at the marina. Visual observations are made of the area at the beginning of April and in the end of October to ensure that there are fewer than 10 boats with heads in the cove.



Water sampling compliance history

Station WJ 47 was collected 6 times when in the open status. The results of all sampling can be found in the 2006 Annual Review for Growing Area WJ.

Analysis-Recommendations

It is MDMR policy to observe marina areas two weeks before reopenings to ensure compliance with approved standards. Paul's Marina was observed at the end of October for the reopening on November 1. Fewer than 10 boats with heads were in the water.



Appendix 5. Annual Review of Management Plan- Basin Cove Seasonal Area

Scope

Basin Cove is a conditionally approved area due to seasonal variation in water quality, possibly due to an increase in shore usage. Basin Cove, monitored by stations WJ 62-66, was classified conditionally approved based on seasonal variation in water quality in 2001. MDMR evaluated the Basin Cove data in December 2000, and made the assessment that there is greater variation in water quality during the summer months. Many of the homes long these shores are occupied year round, but many others are seasonal cottages. There is an increase in shore usage during June, July, and August. The areas met approved standards from October through April at that time.

Compliance with management plan

In 2006, the conditional area closed on May 1 and reopened on October 1. Reopening samples were collected in 9/18/06 and met approved standards, as seen in Table 2 below.

Adequacy of reporting and cooperation of involved persons

This management plan does not require reporting

Compliance with approved growing area criteria

The annual review seasonal data analysis, as seen in Table 1 below, shows that the conditionally approved station, WJ 66, no longer meets approved standards for the open season. This area will be closed and remain closed for further evaluation.

Table 1 Geomean and P90 During Open Status

MAINE DEPARTMENT OF MARINE RESOURCES									
Fecal Coliform Geometric Mean and Percent Variability									
For the Years 2001 Through 2006 - (01/01 - 04/30) (10/01 - 12/31)									
Status = Open and Closed Stations									
Strategy = Random Only									
Samples Limited to Latest 30									
Salinity >= 0 ‰									
STATION	CLASS	CNT	MFCNT	GM	SDV	MAX	P90	APPD_STD	RESTR_STD
WJ064.00	CA	30	1	6.0	0.59	460	34.1	48	294
WJ065.00	CA	30	1	4.6	0.44	150	16.7	48	294
WJ066.00	CA	30	1	7.5	0.68	680	55.6	48	294

Field inspection of critical pollution sources

The potential for pollution in Basin Cove comes from increased shore usage (swimming, walking pets, etc.) and the influx of summer residents to their seasonal homes as well as the presence



of 10 or more boats with heads at Dolphin marina from May 1 through mid November. Visual observations are made throughout the year during the course of random sampling and shoreline surveying.

Water sampling compliance history

All conditional stations were collected 4 times when in the open status and a total of 7-8 times in 2006, as seen in Table 2 below. This seasonal area was not collected the required six times in the open status because of error in scheduling. The results of all sampling can be found in the 2006 Annual Review for Growing Area WJ.

Table 2. Tabulated Data

Station	Date	Collector	Tide	Temp	Weather	Sal	Strat	ADV	Stat	CL	FECOL	AICOL	MFCOL	WIND
WJ062.00	01/17/06	LL	F	1	C	31	R	-	C	P		<3.0	-	NE
	02/07/06	FP	LE	5	P	30	R	P	C	P		<3.0	-	NW
	04/11/06	LL	HE	8	C	31	R	-	C	P		<3.0	-	CL
	06/21/06	JSC	E	18	C	27	R	-	C	P		<3.0	-	NW
	07/31/06	HWQ	L	18	C	30	R	-	C	P		3.6	-	-
	08/17/06	HWQ	E	18	C	31	R	-	C	P		<3.0	-	CL
	09/18/06	HWQ	HE	16	C	32	R	-	C	P		-	6	CL
WJ063.00	01/17/06	LL	F	1	C	30	R	W	C	P		<3.0	-	NE
	02/07/06	FP	LE	5	P	30	R	PW	C	P		<3.0	-	NW
	04/11/06	LL	HE	8	C	32	R	-	C	P		<3.0	-	CL
	06/21/06	JSC	HE	18	C	27	R	-	C	P		3.6	-	CL
	07/31/06	HWQ	L	18	C	31	R	-	C	P		<3.0	-	-
	08/17/06	HWQ	E	18	C	30	R	-	C	P		<3.0	-	CL
	09/18/06	HWQ	E	16	C	31	R	-	C	P		-	4	CL
WJ064.00	01/17/06	LL	F	1	C	32	R	-	O	CA		<3.0	-	NE
	02/07/06	FP	LE	4	P	30	R	P	O	CA		<3.0	-	NW
	04/11/06	LL	HE	8	C	32	R	-	O	CA		<3.0	-	CL
	06/21/06	JSC	HE	20	C	27	R	-	C	CA		<3.0	-	CL
	07/31/06	HWQ	LE	18	C	30	R	-	C	CA		<3.0	-	-
	08/17/06	HWQ	LF	19	C	31	R	-	C	CA		<3.0	-	CL
	09/18/06	HWQ	HE	19	C	30	R	-	C	CA		-	3.6	CL
WJ065.00	01/17/06	LL	F	-1	C	31	R	-	O	CA		<3.0	-	NE
	02/07/06	FP	E		P	999	R	PN	O	CA		-	-	NW
	02/27/06	LL	H	0	C	32	R	-	O	CA		<3.0	-	NW
	04/11/06	LL	HE	10	C	20	R	-	O	CA		<3.0	-	CL
	06/21/06	JSC	HE	20	C	27	R	-	C	CA		93	-	CL
	07/31/06	HWQ	LE		C	999	R	-	C	CA		-	-	-
	08/17/06	HWQ	F	20	C	32	R	-	C	CA		15	-	CL
WJ066.00	01/17/06	LL	F	-1	C	32	R	-	O	CA		<3.0	-	NE
	02/07/06	FP	E	3	P	25	R	P	O	CA		3.6	-	NW
	04/11/06	LL	HE	8	C	30	R	-	O	CA		<3.0	-	CL
	06/21/06	JSC	HE	20	C	27	R	-	C	CA		3.6	-	CL
	07/31/06	HWQ	LE		C	999	R	-	C	CA		-	-	-
	08/17/06	HWQ	F	20	C	31	R	-	C	CA		<3.0	-	CL
	09/18/06	HWQ	HE	18	C	30	R	-	C	CA		-	13	CL
10/23/06	HWQ	HF	9	R	30	R	P	O	CA		-	680	N	

* Red indicates samples not collected because there was no water at low tide

Analysis-Recommendations



It is MDMR policy to sample two weeks before opening a seasonal area to ensure compliance with approved standards. This policy was established at the end of October.



Appendix 6. Annual Review of Management Plan- Ash Cove Seasonal Areas

Scope

Ash Cove is a conditionally approved area due to seasonal variation in water quality, possibly due to an increase in shore usage. Ash Cove, monitored by stations WJ 67-70, was classified conditionally approved based on seasonal variation in water quality in 2001. MDMR evaluated Ash Cove data in December 2000 and made the assessment that there is greater variation in water quality during the summer months. Many of the homes long these shores are occupied year round, but many others are seasonal cottages. There is an increase in shore usage during June, July, and August. The areas met approved standards from October through April at that time.

Compliance with management plan

In 2006, the conditional area closed on May 1 and reopened on October 1. Reopening samples were collected on 9/18/06 and met approved standards, as seen in Table 2 below.

Adequacy of reporting and cooperation of involved persons

This management plan does not require reporting

Compliance with approved growing area criteria

The annual review seasonal data analysis, as seen in Table 1 below, shows that the conditionally approved stations in Ash Cove met approved standards during the open season.

Table 1 Geomean and P90 During Open Status

MAINE DEPARTMENT OF MARINE RESOURCES								As of: February 16, 2007	
Fecal Coliform Geometric Mean and Percent Variability									
For the Years 2001 Through 2006 - (01/01 - 04/30) (10/01 - 12/31)									
Status = Open and Closed Stations									
Strategy = Random Only									
Samples Limited to Latest 30									
Salinity >= 0 ‰									
STATION	CLASS	CNT	MFCNT	GM	SDV	MAX	P90	APPD_STD	RESTR_STD
WJ067.00	CA	30	1	6.5	0.68	1100	47.5	48	294
WJ068.00	CA	30	1	6.7	0.62	460	41.5	48	294
WJ070.00	CA	30	1	4.3	0.37	93	13.1	48	294



Field inspection of critical pollution sources

The potential for pollution in Ash Cove comes from increased shore usage (swimming, walking pets, etc.) and the influx of summer residents to their seasonal homes. Visual observations are made throughout the year during the course of random sampling and shoreline surveying.

Water sampling compliance history

All conditional stations were collected 4 times when in the open status and 7-8 times total in 2006, as seen below. This seasonal area was not collected the required six times in the open status because of error in scheduling. The results of all sampling can be found in the 2006 Annual Review for Growing Area WJ.

Table 2. Tabulated Data

Station	Date	Collector	Tide	Temp	Weather	Sal	Strat	ADV	Stat	CL	FECOL	A1COL	MFCOL	WIND
WJ067.00	01/17/06	LL	HF	-1	C	30	R	-	O	CA		<3.0	-	NE
	02/07/06	FP	E	3	P	30	R	P	O	CA		<3.0	-	NW
	04/11/06	LL	H	8	C	30	R	-	O	CA		<3.0	-	CL
	06/21/06	JSC	HE	18	C	26	R	-	C	CA		9.1	-	CL
	07/31/06	HWQ	L	18	C	30	R	-	C	CA		<3.0	-	-
	08/17/06	HWQ	E	18	C	31	R	-	C	CA		<3.0	-	CL
	09/18/06	HWQ	E	16	C	31	R	-	C	CA		-	<2.0	CL
	10/23/06	HWQ	HF	9	R	30	R	P	O	CA		-	40	N
WJ068.00	01/17/06	LL	HF	-1	C	30	R	-	O	CA		<3.0	-	NE
	02/07/06	FP	E	3	P	26	R	PN	O	CA		<3.0	-	NW
	04/11/06	LL	HE	8	C	30	R	-	O	CA		<3.0	-	CL
	06/21/06	JSC	HE	18	C	26	R	-	C	CA		43	-	CL
	07/31/06	HWQ	LE		C	999	R	-	C	CA		-	-	-
	08/17/06	HWQ	E		C	999	R	-	C	CA		-	-	CL
	08/17/06	HWQ	F	20	C	32	R	-	C	CA		240	-	CL
	09/18/06	HWQ	HE	18	C	31	R	-	C	CA		-	4	CL
	10/23/06	HWQ	HF	9	R	30	R	P	O	CA		-	29	N
	WJ070.00	01/17/06	LL	HF	-1	C	30	R	-	O	CA		<3.0	-
02/07/06		FP	E	3	P	30	R	P	O	CA		<3.0	-	NW
04/11/06		LL	HE	8	C	30	R	-	O	CA		<3.0	-	CL
06/21/06		JSC	HE	18	C	26	R	-	C	CA		23	-	NW
07/31/06		HWQ	L		C	999	R	-	C	CA		-	-	-
08/17/06		HWQ	E		C	999	R	-	C	CA		-	-	CL
08/17/06		HWQ	F	20	C	31	R	-	C	CA		<3.0	-	CL
09/18/06		HWQ	HE	18	C	30	R	-	C	CA		-	<2.0	CL
10/23/06		HWQ	HF	9	R	29	R	P	O	CA		-	15	N

* Red indicates samples not collected because there was no water at low tide.

Analysis-Recommendations

It is MDMR policy to sample two weeks before opening a seasonal area to ensure compliance with approved standards. This policy was established at the end of October 2006.