



GROWING AREA WA
Towns of South Berwick, Eliot and Kittery
ANNUAL REVIEW for 2009

Report Date: March 17, 2010

Amy M. Fitzpatrick

APPROVAL

Bureau Director:

_____ Date: _____
Print name signature



TABLE OF CONTENTS

Executive Summary5
 Growing Area Description5
 Current Classification(s).....6
 Activity during Review Period7
 Current Management Plan(s) for Conditional Area(s).....8
 Water Quality Review and Discussion8
 Recommendations for Upward Classification12
 Shoreline Survey Activity12
 Aquaculture/Wet Storage Activity12
 Classification Changes12
 Summary.....13
 Appendix A. Key to Water Quality Table Headers14
 Appendix B. Growing Area WA 2009 Data15

LIST OF TABLES

Table 1. Geomean and P90 Scores, Growing Area WA.....9
 Table 2. WA Samples Collected in 20099

LIST OF FIGURES

Figure 1. Growing Area WA, with Active Water Stations3
 Figure 2. Growing Area WA, Isle of Shoals4
 Figure 3. Sewer Main Break Eliot, ME8
 Figure 4. Growing Area WA P90 Scores for Approved and Prohibited Stations (expressed as the percent of the approved standard), 2006-2009.....11
 Figure 5. Growing Area WA P90 Scores for Restricted Stations (expressed as the percent of the restricted standard), 2006-2009.....11

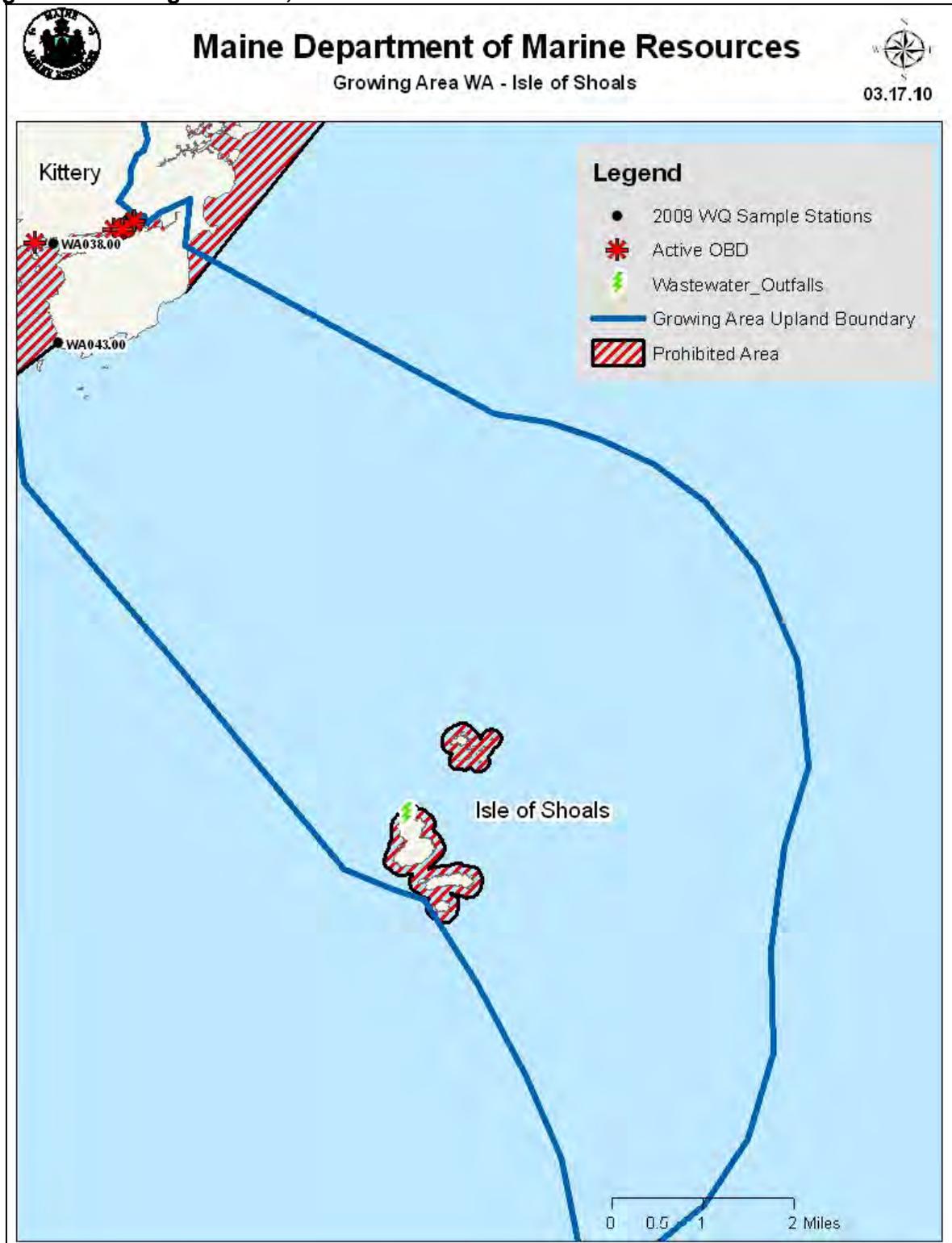


Figure 1. Growing Area WA, with Active Water Stations





Figure 2. Growing Area WA, Isle of Shoals





Executive Summary

This is an annual report for growing area WA written in compliance with the requirements of the 2007 Model Ordinance and the National Shellfish Sanitation Program.

Growing area WA is located between the Piscataqua River, at the Maine/New Hampshire border, and Sisters Point, Kittery and includes the Isle of Shoals (Figure 1). All of the Piscataqua River is classified prohibited down to Gerrish Island, including Spruce Creek and Chauncey Creek. Chauncey Creek and the Piscataqua River are prohibited due to the presence of several municipal and residential overboard discharges and wastewater treatment plant outfalls on both the New Hampshire and Maine coasts. Spinney Creek is classified restricted due to non-point pollution. The mouth of the river at Gerrish Island is classified approved. The Isle of Shoals is classified prohibited due to point source pollution. Two licensed overboard discharges (OBDs) were removed in Kittery in 2009 (#1004 and #2173). OBD 2173 was removed from Kittery Point at the mouth of Spruce Creek is a large prohibited area. OBD 1004 was located on Appledore Island, Isle of Shoals and is in a large prohibited area.

There were no classification changes in 2009. Water quality in Spruce Creek has been declining steadily during the review period 2006-2009, but the stations in the lower portion of Spruce Creek still meet the approved standard; however, these stations will remain classified as prohibited due to point sources of pollution. Water quality in Spinney Creek, has been steady or improving during the review period. Water quality in the approved area in the vicinity of station WA 43 has shown an improvement in the past 4 years and is not in danger of exceeding the approved criteria. Station WA 33 has shown an improvement in water quality over the past year, but still exceeds the approved standard. Water quality at the restricted stations WA 15 and 16 has remained steady or slightly improved, respectively, in 2009. No classification changes area required at this time. The next sanitary survey for growing area WA is due in 2011.

Growing Area Description

Growing area WA has a total area of approximately 22,538 acres and is located in southern York County in Maine (Figure 1). It includes the towns of South Berwick, Eliot and Kittery; it also includes the Isle of Shoals. The area is entirely in the Piscataqua River Watershed which drains 1,495 square miles and includes the sub watersheds of Spruce Creek in Maine, and the Great Works, Salmon Falls, Cocheco, Bellamy, Winnicutt, Squamscott, Lamprey, Oyster, and Exeter Rivers of New Hampshire. The harbor is used by submarines from the Portsmouth Naval Shipyard on Seavey Island in Kittery and for fuel deliveries to Pease International Tradeport in Newington. Portsmouth Harbor is also used extensively by a large lobster fishing fleet, charter fishing vessels, commercial fishermen, excursion boats to the Isles of Shoals situated nine miles offshore, and local and transient boats based at or visiting the nearly 20 boating facilities in the area. The harbor has been improved and dredged several times since 1966 extending up Long Reach to Newington, NH. The Piscataqua River is also the receiving waters for the waste treatment facilities in Portsmouth, Kittery, and Newington.



The Spruce Creek sub watershed includes Wilson Creek which begins as two small streams that run south on either side of Route 1. The area is heavily developed with many retail stores as well as a large trailer park. Spruce Creek flows into Kittery through a farm field west of Wilson Road. The estuary is bordered by development on all sides, with lawns and pavement right down to the shore. The Spruce Creek Watershed covers 9.6 square miles in Kittery and a small portion of Eliot. It includes Spruce Creek, Hutchins Creek, Wilson Creek, Cutts Pond, and Deering Pond, as well as numerous small streams, ponds and wetlands. There is significant development within the Spruce Creek Watershed, especially surrounding Route 1 and the Maine Turnpike, and the tidal portion of Spruce Creek. These areas have a high percentage of impervious surface which leads to increased stormwater runoff into the creek.

Land use in the Piscataqua River watershed is characterized as densely developed with high levels of impervious surfaces which contribute to increased flow of stormwater into the river. Numerous small parcels of municipal and privately managed conservation land areas are located throughout the watershed. Many areas within the watershed provide significant habitat for inland and coastal wading birds and waterfowl, as well as a small area of nesting seabirds. In addition several areas provide valuable habitat for wintering deer.

The Isles of Shoals is comprised of nine rocky islands six miles off the New Hampshire and Maine coast. The Maine islands include; Appledore, Smuttynose, Cedar, Cedar Island Ledge, Duck, Shag, Mingo, Eastern Island and Southwest Ledge. There are no year-round residences on the Isle of Shoals. There is White Island Light, the Oceanic Hotel, a few summer houses, and the Shoals Marine Research Laboratory. Various excursion boat companies cruise to the Shoals but since the Shoals are privately owned, stopovers are not always included in cruises or are limited.

Major pollution sources on the Maine side of the Piscataqua River and within growing area WA include the South Berwick Wastewater Treatment Plant (WWTP), Kittery WWTP and the Portsmouth Naval Shipyard. There are several marinas and large boat mooring areas. There is one limited purpose aquaculture license in Spruce Creek and an aquaculture lease south of Wood Island in Portsmouth Harbor.

Current Classification(s)

Shellfish growing area WA currently has areas classified as:

Approved:

Gerrish Island, Kittery (1 station, WA 43)

Restricted:

Spinney Creek, Eliot and Kittery (2 stations, WA 15 and 16) (Non-point Pollution)

Prohibited:

Spruce Creek, Kittery (6 stations, WA 28, 29.1, 31, 33, 34 and 36) (Outdated Shoreline Survey/Non-point Pollution)



Piscataqua River, Kittery, Eliot and South Berwick (3 stations, WA 14, 24 and 38)
(WWTP outfalls)

Please visit the DMR website to view legal notices:

DMR Regulation 95.10A, Area No. 1, Area No. 1, Piscataqua River (Kittery, Eliot, South Berwick) and DMR Regulation 95.10H, Area No. 2-A, Portsmouth Harbor and vicinity (Kittery) and Isles of Shoals

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

Activity during Review Period

March 29, 2009 – The NHDES was notified by someone in their Dept. that GE Sommersworth contacted the NHDES to report that they had a #6 fuel oil spill in December 2008. While NHDES was doing their SPCC quarterly testing they noticed a light sheen on the Salmon Falls River. They boomed off the area and applied some sorbent pads. During the telephone conversation, no sheen was leaving the boomed off area. Clean Harbors was hired to clean the rocks, leaves and soil from around a discharge pipe and the spill from last December. There was no reported effect on any of the approved areas downriver.

On **January 21, 2009**, the DMR received a call reporting a sewer force main break in a pipe on Pleasant St., Eliot. The Town of Kittery Sewer Department related to the complainant that the main break was discharging from ~5:30-7:10am and preliminarily estimated that ~6,000 gallons of raw sewage discharged. There was concern that the spill may eventually impact Spinney Creek, and area that is approximately 125 acres and 5' deep. DMR ran a dilution calculation and determined that to reduce the raw sewage to restricted standards (88 FC/100ml) would require ~500 acres. The tide gate between Spinney Creek and the Piscataqua River stays closed in the winter and Spinney Creek basically stays impounded at about 7 feet.

Consideration for opening the tide gate to the Piscataqua River was given and the determination was made to open the tide gate to allow additional flushing to occur. With the tide gate closed the level of Spinney Creek stays fairly constant, a difference of a few inches from low to high tide. With the tide open Spinney Creek drains down to 5 feet at low tide and fills to about 6.5 feet at high tide.

The Town of Kittery Sewer Department determined that the projected loss of sewage was only 150-200 gallons based on the pumps going on every 15 minutes for 1.5-2 minutes for the time period of 6:00am – 6:45am and the sewage would only be exiting the hole in the pipe when the pump was running. An in field investigation on the suspected path of flow was conducted and there was no visual evidence of sewage in the ditch, but there was visual evidence of sewage in the road (Main St.). Along Main Street, there were three driveways and then an open ditch – there was no evidence of spill in the open ditch, even after digging in the snow. The ditch empties into the local “frog pond” and there was no evidence of sewage in the “frog pond”. There is a culvert from the “frog pond” to Spinney Creek (Figure 3). Sampling at the culvert outfall and the Spinney Creek Shellfish Co. dock was conducted on the day of the spill and



several days after the spill. Spinney Creek Shellfish also alerted so that additional testing of process water and shellfish would be conducted in the plant.

A decision was made to not close any portion of the creek due to lack of physical evidence that the sewage spill did not make it to the "frog pond", that the spill amount (estimated 150-200 gallons) was low enough to have been frozen in the snow and ground along Main St. and that sampling would take place at the two sites.

Figure 3. Sewer Main Break Eliot, ME



Current Management Plan(s) for Conditional Area(s)

There are currently no conditional areas in area WA.

Water Quality Review and Discussion

Table 1 lists all active approved, restricted and prohibited stations in Growing Area WA, with their respective Geomean (GM) and P90 calculations for 2009. Please refer to Appendix A for a key to interpreting the headers on the columns of Table 1. The approved and restricted standards for each station are also displayed in Table 1. These standards will fluctuate yearly as a result of the DMR transition from a most probable number (MPN) fecal coliform test method to a membrane filtration (MF) method and are dependent on the number of sample analyzed by



MPN verses MF. The total number of data points used in the calculations is displayed in the Count column and includes both MPN and MF values. The number of data points analyzed by MF is displayed in the MFCNT column. This fluctuating standard will cease when all 30 data points have been analyzed by the MF method. The approved station and restricted stations met their respective classification standards in 2009.

Some prohibited stations meet the approved standard. Station WA 14 is a station that monitors the Piscataqua River outside Spinney Creek and is a boundary station between the river and the creek; it will remain prohibited due to lack of shoreline survey, the presence of a marina and several wastewater treatment plants on the river. WA 24 is at the mouth of Spruce Creek and is located where there is an OBD so it will remain prohibited unless the OBD is removed and there is an updated shoreline survey. WA 34 will remain prohibited until there is an updated shoreline survey. Stations WA 35 and 36 are located near two straight pipes and will remain prohibited until they are replaced and there is an updated shoreline survey. Station WA 38 is in Chauncey Creek where there are multiple OBDs and it will remain prohibited until the OBDs are removed.

Table 1. Geomean and P90 Scores, Growing Area WA

Station	Class	Count	MFCnt	GM	SDV	MAX	P90	Appd_Std	Restr_Std	Min_Date
WA 14.0	P	30	20	6.4	0.45	93	25	36	199	7/19/2005
WA 15.0	R	30	20	8.6	0.72	460	72.7	36	199	5/25/2005
WA 16.0	R	30	20	11.6	0.72	460	99.5	36	199	5/25/2005
WA 24.0	P	30	20	4.8	0.42	93	16.8	36	199	5/24/2005
WA 28.0	P	30	20	19.6	0.7	460	159.1	36	199	5/24/2005
WA 29.1	P	30	18	15.4	0.6	460	92.9	37	208	5/18/2004
WA 31.0	P	30	20	9.9	0.67	460	72.1	36	199	6/7/2005
WA 33.0	P	30	20	7.8	0.53	460	37.7	36	199	5/24/2005
WA 34.0	P	30	20	5.2	0.47	104	21.1	36	199	5/24/2005
WA 35.0	P	29	9	5.9	0.39	43	19.1	42	248	11/12/2003
WA 36.0	P	30	20	5.7	0.39	23	18.5	36	199	5/24/2005
WA 38.0	P	30	20	6.5	0.44	38	24.2	36	199	5/24/2005
WA 43.0	A	30	20	4.8	0.47	93	19.5	36	199	5/24/2005

All approved, restricted and prohibited stations that were active at the beginning of 2009 were sampled at least 6 times following the systematic random sampling (SRS) schedule (Table 2 and Appendix B).

Table 2. WA Samples Collected in 2009

Station	Class	Adverse	Random		Total	Comments
		Closed	Closed	Open		
WA014.00	P		6		6	
WA015.00	R			6	6	
WA016.00	R	1		6	7	Flood station
WA024.00	P		6		6	
WA028.00	P		6		6	
WA029.10	P		6		6	



Station	Class	Adverse	Random		Total	Comments
		Closed	Closed	Open		
WA031.00	P		6		6	
WA033.00	P		6		6	
WA034.00	P		6		6	
WA035.00	P		6		6	
WA036.00	P		6		6	
WA038.00	P		6		6	
WA043.00	A			6	6	

Figures 4 and 5 show the P90 trends over the past four years, for all approved, prohibited and restricted stations in growing area WA. During the transition from MPN to MF analysis method, the approved standard will decrease every year, until all samples have been analyzed by the MF method. In order to show the trend of the P90 value over the years, the calculated P90 scores are expressed as a percentage of the standard; any station showing the 2009 column on or above 100 percent does not meet the NSSP standard for classification. Station WA 43 has shown an improvement in the past four years and is not in danger of exceeding the approved criteria (Figure 4). Station WA 24, the prohibited station at the mouth of Spruce Creek, has shown steady water quality and is not in danger of exceeding the approved criteria. Prohibited stations WA 28 and 31 have shows a steady decrease in water quality and exceed the approved criteria. Prohibited station WA 29.1, exceeds the approved criteria but has remained steady for the past two years. Prohibited station WA 33 has shown a slight increase in water quality in the past year (improving water quality) but still exceeds the approved criteria. Prohibited stations WA 34, 35, 36 and 38 have shown a decrease in water quality (increasing P90s) and are near or exceed 50 percent of the approved standard but are not in danger of exceeding the approved standard. Restricted station WA 15 has shown steady water quality; station WA 16 has shown an improvement in water quality over the past review year (Figure 5).

Prohibited station WA 28 will remain classified prohibited until an identified straight pipe is removed and there is an updated shoreline survey. Prohibited station WA 29.1, exceeds the approved criteria but has remained steady for the past two years. Station 29.1 will remain prohibited until there is an updated shoreline survey. Prohibited station WA 33 has shown a slight increase in water quality in the past year (improving water quality) but still exceeds the approved criteria and will remain prohibited until there is an updated shoreline survey. Prohibited stations WA 31, 34 and 35 will remain prohibited until there is an updated shoreline survey. Station WA 36 will remain prohibited until a straight pipe is removed and there is an updated shoreline survey. Station WA 38 will remain prohibited until several licensed OBDs are removed and there is an updated shoreline survey.



Figure 4. Growing Area WA P90 Scores for Approved and Prohibited Stations (expressed as the percent of the approved standard), 2006-2009

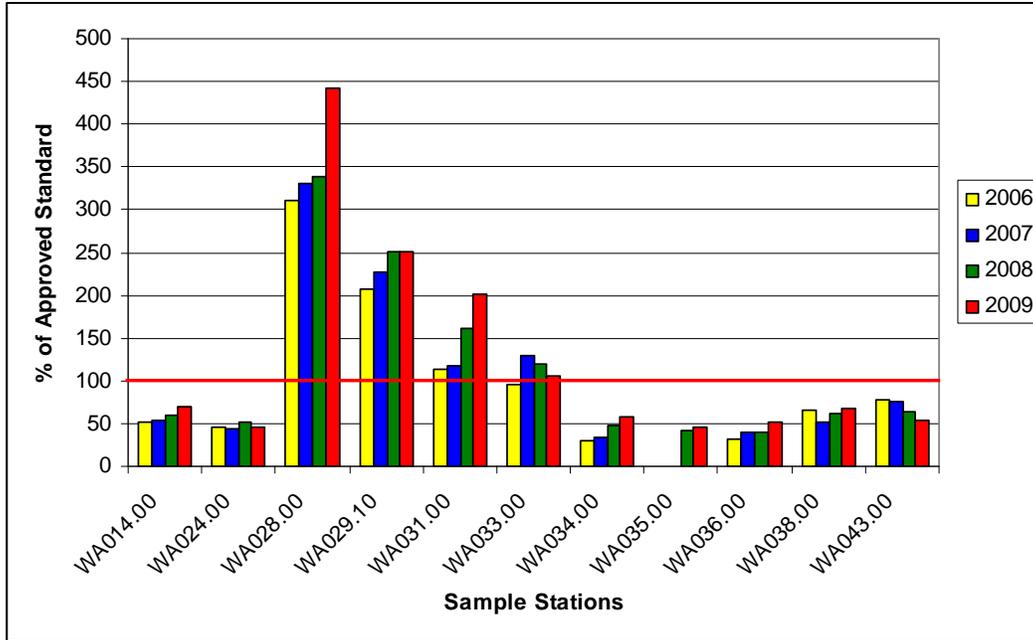
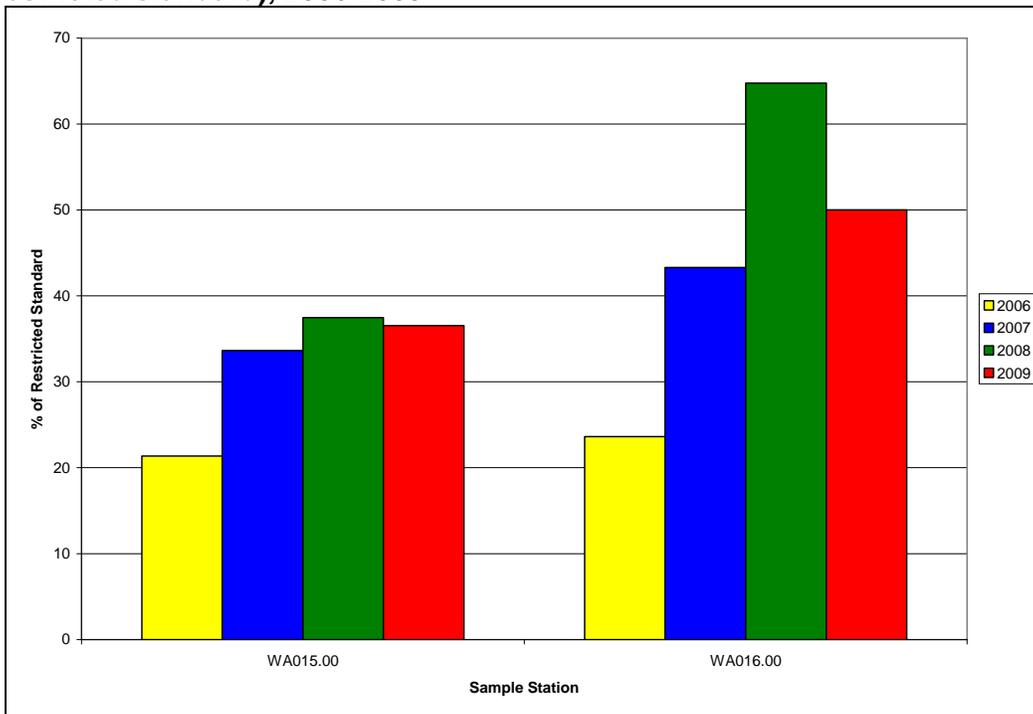


Figure 5. Growing Area WA P90 Scores for Restricted Stations (expressed as the percent of the restricted standard), 2006-2009





Recommendations for Upward Classification

Based on the 2009 annual review, there are currently no upward classification recommendations for area WA.

Shoreline Survey Activity

A drive through survey of growing area WA was conducted on December 1 and December 16, 2009. There was evidence of a new septic system on Haley Road which drains to Wilson Creek; there is no sample station in the area. At the dead end on Norton Rd, there were 4 sheep; this small farm will need to be evaluated during the shoreline survey. The property abuts Hutchins Creek; the closest sample stations are WA 33 (across the creek) and WA 34 (south of the mouth of the Hutchins Creek). A horse farm (~20 horses) at the junction of Fuller Brook and Hill Brook was documented; the property is not within 500 ft of the shore but is within 500ft of the two brooks which drain to Spruce Creek. A pen/paddock and manure piles within 250ft of the shore were noted on Folcutt Rd; this should be evaluated during the shoreline survey. There are several subdivisions that are close to the shore which will need to be evaluated during the shoreline survey because many of them have inground septic systems.

Aquaculture/Wet Storage Activity

In Spruce Creek, there is one Limited Purpose Aquaculture (LPA) site, CLAP 08 which is a 0.01 acre permit for overwintering trays or racks for soft shelled clam seed. It was issued on July 16, 2008 and expired on December 31, 2009. There is one aquaculture lease southeast of Wood Island in Portsmouth Harbor, Kittery, PISC WI. It is a 3.76 acre bottom lease for green sea urchins. Additional information can be found at the DMR website:
<http://www.maine.gov/dmr/aquaculture/leaseinventory/yorkcounty.htm>.

There is one wet storage permit issued for intake water from Spinney Creek. Additional information can be found at the DMR website:
http://www.maine.gov/dmr/rm/public_health/wetstorage_bulktagging_permits.htm

Classification Changes

Based on the 2009 annual review, there are currently no classification changes required or recommended for area WA.



Summary

Water quality in Growing Area WA has been declining in Spruce Creek, has remained steady or improved in Spinney Creek and the only approved station, WA 43, and has shown an improvement in the past 4 years. The prohibited stations in Spruce Creek will remain prohibited until several straight pipes are removed (near stations WA 28 and WA 36), several licensed OBDs are removed (WA 24 and WA 38) and there is an updated shoreline survey for the area.

In preparation for the sanitary survey which is due in 2011, the DMR will start to conduct shoreline survey, pollution source assessments and stream sampling and assessments in Spruce Creek in 2010. The DMR will collaborate with the DEP and DHHS to follow up on identified pollution sources in Spruce Creek in 2010.

The Piscataqua River area will remain prohibited due to the presence of numerous wastewater treatment plant outfalls on both the New Hampshire and Maine sides of the river. No sampling or shoreline survey work will be conducted on the Piscataqua River with the exception of station WA 14 which monitors the effects of the Piscataqua River on the inlet to Spinney Creek.



Appendix 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.

MIN_DATE = collection date of the least recent sample used in the P90 calculation.



Appendix B. Growing Area WA 2009 Data

Station	Date	Collector	Tide	Wind	Temp	Salin	Strat	Adv	Status	Class	MFCOL
WA014.00	3/24/2009	EXT	H	N	3	28	R		C	P	<2
	6/17/2009	DCP	E	CL	15	28	R		C	P	4
	8/12/2009	DCP	F	CL	19	24	R	PM	C	P	8
	8/26/2009	EXT	F	SW	28	28	R		C	P	4
	9/29/2009	DCP	HF	CL	15	30	R	PM	C	P	11
	11/30/2009	EXT	E	CL	10	30	R		C	P	<2
WA015.00	3/16/2009	DCP	LE	E	1	25	R		O	R	<2
	6/17/2009	DCP	E	CL	21	25	R		O	R	2
	8/12/2009	DCP	F	CL	25	24	R	P	O	R	16
	8/26/2009	EXT	F	CL	28	28	R		O	R	<2
	9/29/2009	DCP	HF	CL	18	29	R	P	O	R	98
	11/30/2009	EXT	E	CL	8	24	R		O	R	25
WA016.00	3/16/2009	DCP	LE		0	8	R		O	R	<2
	6/17/2009	DCP	E	CL	22	25	R		O	R	2
	8/12/2009	DCP	LF	CL	26	25	R	P	O	R	8
	8/26/2009	EXT	F	SW	28	28	R		O	R	<2
	9/29/2009	DCP	HF	CL	18	28	R	P	O	R	44
	11/30/2009	EXT	E	CL	9	24	R		O	R	4
WA024.00	3/18/2009	JVM	F	CL	3	22	R		C	P	<2
	6/17/2009	JVM	E	CL	15	27	R	P	C	P	2
	8/12/2009	JVM	H	SW	15	28	R		C	P	<2
	8/26/2009	EXT	F	SW	22	30	R		C	P	<2
	9/29/2009	JVM	E	SW	13	30	R		C	P	12
	11/30/2009	EXT	E	W	10	26	R		C	P	14
WA028.00	3/18/2009	JVM	F	SW	5	15	R		O	P	<2
	6/17/2009	JVM	E	CL	15	26	R	P	C	P	3.6
	8/12/2009	JVM	HF	SW	22	20	R		C	P	120
	8/26/2009	EXT	F	CL	26	28	R		C	P	4
	9/29/2009	JVM	E		15	28	R		C	P	78
	12/1/2009	EXT	E	CL	9	24	R		C	P	12
WA029.10	3/18/2009	JVM	F	CL	6	21	R		O	P	<2
	6/17/2009	JVM	E	CL	14	26	R	P	C	P	8
	8/12/2009	JVM	HF	SW	20	22	R		C	P	70
	8/26/2009	EXT	F	SW	28	28	R		C	P	2
	9/29/2009	JVM	E	SE	15	28	R		C	P	40
	11/30/2009	EXT	E	CL	10	24	R		C	P	36
WA031.00	3/18/2009	JVM	F	SW	2	22	R		O	P	<2
	6/17/2009	JVM	E	CL	15	26	R	P	C	P	2
	8/12/2009	JVM	HF	SW	18	28	R		C	P	24
	8/26/2009	EXT	F	SW	25	30	R		C	P	4



Station	Date	Collector	Tide	Wind	Temp	Salin	Strat	Adv	Status	Class	MFCOL
	9/29/2009	JVM	E	SE	14	28	R		C	P	94
	11/30/2009	EXT	E	CL	9	25	R		C	P	12
WA033.00	3/18/2009	JVM	F	CL	3	24	R		C	P	<2
	6/17/2009	JVM	E	CL	15	26	R	P	C	P	<2
	8/12/2009	JVM	H	SW	18	28	R		C	P	18
	8/26/2009	EXT	F	CL	25	30	R		C	P	2
	9/29/2009	JVM	E	SW	14	30	R		C	P	22
	11/30/2009	EXT	E	CL	9	24	R		C	P	11
WA034.00	3/18/2009	JVM	F	CL	5	24	R		C	P	<2
	6/17/2009	JVM	E	CL	15	26	R	P	C	P	4
	8/12/2009	JVM	HF	SW	15	28	R		C	P	7.3
	8/26/2009	EXT	F	CL	27	30	R		C	P	16
	9/29/2009	JVM	E	SW	14	30	R		C	P	11
	11/30/2009	EXT	E	CL	10	25	R		C	P	18
WA035.00	3/16/2009	MLP	F	CL	4	25	R		C	P	<2
	5/4/2009	LSM	E	SE	10	27	R		C	P	<2
	6/17/2009	EXT	LF	SE	19	26	R		C	P	2
	8/12/2009	MLP	F	NE	19	28	R		C	P	<2
	9/29/2009	JVM	E	SW	14	30	R		C	P	13
	11/30/2009	EXT	E	CL	10	25	R		C	P	15
WA036.00	3/18/2009	JVM	F	CL	4	22	R		C	P	<2
	6/17/2009	JVM	E	CL	15	26	R	P	C	P	6
	8/12/2009	JVM	H	SW	18	28	R		C	P	4
	8/26/2009	EXT	F	SW	26	30	R		C	P	<2
	9/29/2009	JVM	E	CL	14	30	R		C	P	16
	11/30/2009	EXT	E	CL	10	26	R		C	P	11
WA038.00	3/16/2009	DCP	LE	E	1	25	R		C	P	<2
	6/17/2009	DCP	E	CL	16	25	R		C	P	38
	8/12/2009	DCP	F	CL	19	24	R	P	C	P	4
	8/26/2009	EXT	HF	CL	26	30	R		C	P	<2
	9/29/2009	DCP	H	CL	15	30	R	P	C	P	29
	11/30/2009	EXT	E	CL	10	25	R		C	P	6
WA043.00	3/16/2009	DCP	F		1	25	R		O	A	<2
	6/17/2009	DCP	E	CL	15	28	R		O	A	<2
	8/12/2009	DCP	F	E	16	28	R	P	O	A	3.6
	8/26/2009	EXT	HF	SW	20	30	R		O	A	4
	9/29/2009	DCP	E	CL	14	31	R	P	O	A	2
	11/30/2009	EXT	E			30	R		O	A	11