REPORT OF SANITARY SURVEY

AREAS G-8 AND G-9

UPPER & LOWER PUNGO RIVER AREA

AUGUST 2008 THROUGH MAY 2013

Prepared 9/13

Approved By:_____

Date: _____

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The G-8 & G-9 areas of coastal North Carolina lies in the Pungo River area of Beaufort and Hyde Counties. The water sampling statistics show overall improvement in bacteriological water quality since the last Sanitary Survey. As a result of this report, approximately 85 acres of *Prohibited* waters in Slade Creek will be reclassified to *Approved*. The rest of Area G-8 and G-9 is classified properly, and no other changes are required at this time.

1.0 SANITARY SURVEY

1.1 INTRODUCTION

Areas G-8 and G-9 include the waters of Pungo River and all tributaries upstream from a line drawn from Grassy Point on the west shore to Lupton Point on the south shore of Fortescue Creek on the east shore. The areas contain 24,167 water acres (Figure 1). See Figure 2 for an area map and sampling station locations. Table 1 contains sampling station descriptions.
The area is a poor oyster producer, and Rangia clam abundance is considered good. Commercial value is poor in the area.

1.2 SHORELINE SURVEY OF SOURCES OF POLLUTION

The G-8 and G-9 survey area is mostly rural with the majority of the land cover being forestland and agriculture. The only major municipality within the areas is the Town of Belhaven. The survey area is sparsely populated, especially in the area east of the Intracoastal Waterway in Hyde County. Hyde County has a population density of 9.5 persons per square mile and Beaufort county 57.7 persons per square mile. Beaufort county population densities include the Town of Washington (population 9,744 from the 2010 US Census report) which is not located within the survey areas. The population of Belhaven is 1,688 (2010 US Census) which is down 14.2% from the 2000 US Census. Thus, the population density of the survey areas is considerably less. Both counties have shown very little growth.

A comprehensive shoreline survey of the G-8 and G-9 areas was completed on August 10, 2012. The most recent annual shoreline survey, which is completed in non-triennial years, occurred on September 10, 2013.

New actual and potential pollution sources for this survey were mapped using GPS (Figure 3), and pollution source data were collected using Trimble's sub-meter GeoXT GPS receiver with EVEREST multipath rejection technology. Data were collected in the SSF format using real-time corrections from the integrated Wide Area Augmentation System receiver. The data were post-processed using GPS Pathfinder Tools applications in order to get the most precise data. Additionally, a Geographic Information System (GIS) was developed, including pertinent information and digital pictures for each source.

Point Source Pollution

Municipal Wastewater Treatment plants- The Belhaven Municipal Wastewater Treatment Plant (Figure 4) is an activated sludge system with a design capacity of 1,000,000 gallons per day (GPD), but only treats 300,000 GPD. The effluent is disinfected by ultraviolet light (UV) and is then discharged to Battalina Creek.

The Dowry Creek Package Plant services the Dowry Creek Subdivision and has a capacity of 50,000 GPD, but only has an average flow of 2,600 GPD. This plant discharges into Dowry Creek. The facility is in marginal compliance with its Division of Water Quality (DWQ) permit. The plant exceeded daily maximum limit for TSS (total suspended solids) in 2011. The plant needs some repairs to the side walls of the tank and equalization basin according to DWQ. Refer to Figure 4 for the plant and discharge location.

Non-Point Source Pollution

Marinas- Marina facilities (Figure 5) are evaluated during the shoreline survey because of their potential to affect the suitability of shellfish for harvest through inputs of both biological and chemical contaminants. A marina is defined as "any water area with a structure (dock, basin, floating dock, etc.) which is utilized for docking or otherwise mooring vessels and constructed to provide temporary or permanent docking space for more than 10 boats" (15A NCAC 18A .0901). The waters enclosed by a marina are classified as Prohibited for the harvest of shellfish, and an additional area beyond the marina can also be classified as Prohibited depending on the number of boat slips present.

Jordan Creek Marina and Sylvia Cove Marina are adjacent to each other in Jordan Creek. At the time of the comprehensive survey both marinas combined had thirty boats with heads. The two marinas together call themselves the River Rat Club. The closest pump-out for these two marinas is in Belhaven.

Day Beacon Condominiums and Marina is located off Water Street in Belhaven which serves four large condominium buildings. At the time of the annual update, the marina had 42 boat slips, with 20 boats on lifts. The boat slips have power, water, and cable available at each slip.

Robb's Marina has been closed for some time. The docks are in poor condition and need serious repairs. All the buildings have been removed from the site and the property is for sale.

Cee Bee Marina remains closed during the weekdays as noted in the last survey. Five boats were observed docked at the marina. The marina is open only on the weekends during the summer months.

Pungo Creek Marina had 8 boats at the time of the 2013 annual update. This marina has a boat launch, bathrooms for customers and has added fuel since the

last survey. They had two live-aboard boats at the time of the annual survey.

River Forest Shipyard had six boats docked at the time of the survey. The shipyard includes haul out and repairs. Several large boats were in the yard.

Dowry Creek Marina had 14 boats and 12 of these had heads. This marina is used mostly during the fall and spring for the transient boats.

The Town of Belhaven has completed their town docks. The docks were built to attract transient boaters. Transient boaters can stay one night for free and after that are charged nightly. They have a self serve token operated pump-out on the docks.

Subdivisions- The subdivisions in this area (Figure 6) have shown very little growth since the last comprehensive survey.

Winfield Estates is a ninety-seven lot subdivision with only four houses constructed at this time with a twelve slip marina for residents of the subdivision. The development of this subdivision is very slow.

Bridgecreek is a newer subdivision located on Pungo Creek with no houses constructed. It has a thirty-six slip marina with no boats docked at the time of the comprehensive survey.

Stormwater- Stormwater (Figure 7) can adversely impact shellfish growing areas by rapidly transporting bacteria and other contaminants from the land to the water. Runoff from impervious surfaces, subdivisions, and other cleared land is the primary contributor of fecal coliform levels throughout the survey area.

Belhaven has numerous storm water discharge pipes and swale that discharge into Pantego Creek. Some discharges were not able to be located due to the pipes being silted up or under water.

Onsite Wastewater- Many of the conventional septic systems in use are old and all are installed in fill or course sand so seepage to adjacent waters through the ground water is possible.

Wildlife and Domestic Animals- There are no large concentrations of livestock within the survey area. There is a substantial wildlife population in the survey area that could affect water quality. Waterfowl can be found on the Pungo River, Jordan Creek and Pantego Creek during the winter months. Refer to Figure 8 for animal locations.

Other Non-Point Pollution

Pungo River Lime Company has 330 feet of dockage that is used to dock barges that transport rock, gravel, and sand to and from the storage area located on Pantego Creek. Some run-off can be expected during rain events.

A bridge is being replaced on NC Highway 99 over Pantego Creek. Some wetland disturbance and run-off can be expected during construction.

Riverside campground (Figure 9) has approximately seventy-two camper/mobile home hook-ups and is located adjacent to the upper Pungo River. This campground has some slips for the campers, but only shallow draft boats can utilize this dockage.

Agricultural Runoff- There are some large agricultural fields in this area. Some runoff can be expected during a rain event.

Poisonous or Deleterious Substances-This is not a major concern in this survey area due to the lack of industry.

1.3 HYDROGRAPHIC FACTORS RESPONSIBLE FOR THE SPREAD OF POLLUTION

Currents and tides in the G-8 and G-9 areas are primarily influenced by prevailing winds, therefore; pollutant dispersing is affected by wind direction. Salinities are generally low in the brackish or fresh waters of the areas and ranged from 3 to 26 parts per thousand (ppt) during the time frame of this report (Tables 7 and 8).

Normal rainfall has little effect on water quality in the open shellfish areas of G-8 and G-9. Excessive rains can cause temporary closures, but these events are considered emergency closures, which occur during extremely heavy rainfall, hurricanes or other severe storm events. During this survey period, the *Approved* waters of Areas G-8 and G-9 were temporarily closed two times for a total of 31 days (Table 8). These closures were a result of Tropical Storm Ida in November 2009 and Hurricane Irene in September 2011.

1.4 BACTERIOLOGICAL SURVEY OF SHELLFISH GROWING WATERS

The bacteriological survey covered during the time frame of this report began in August 2008 and concluded in May 2013. Areas G-8 and G-9 adhere to the systematic random sampling strategy outlined by the National Shellfish Sanitation Program (NSSP) and consists of 30 sampling sets from 19 sampling stations located in G-8 and 11 sampling stations located in G-9 (Figure 2). During this time period, water samples were collected and analyzed for fecal coliform bacteria. Tables 10 and 11 list, for each individual sampling station, the

date the sample was obtained, the tidal cycle upon which the sample was taken, and ambient salinity. Fecal coliform Most Probable Number (MPN) and summary statistics are listed as well.

Area G-8

A number of areas have shown significant improvement in bacteriological water quality since the last Sanitary Survey in 2010. Stations #1 and #2 in the Pungo Creek currently have a geometric mean of 2.94 and 6.66 and estimated 90th percentiles of 9 and 37 respectively. At the time of the 2010 report, the geometric means were 5.10 and 10.10 with estimated 90th percentiles of 29 and 73 respectively.

Stations #8 and #8B in the Jordan Creek area have also shown improvement. Station #8 has improved from a geometric mean of 5.51 and an estimated 90th percentile of 23 in 2010 to a geometric mean of 3.65 and an estimated 90th percentile of 13 currently. Station #8B has a geometric mean of 3.41 and estimated 90th percentile of 12 compared to a geometric mean of 4.92 and estimated 90th percentile of 29 in 2010.

Stations #12A and #12B are located in Fortescue Creek. These have also shown improvement with estimated 90th percentiles of 12 and 13, compared to values of 25 and 37 respectively in 2010.

Area G-9

Stations #1, #2 and #3 are located near the Town of Belhaven near Pantego, Battalina and Lower Dowry Creeks. Each of these stations have shown improvement in bacteriological water quality since the last Sanitary Survey.

Station #1 has improved from a geometric mean of 9.16 and an estimated 90th percentile of 66 in 2010 to 4.08 and 16 currently. Station #2 has a geometric mean of 2.83 and estimated 90th percentile of 6, compared to a 4.53 and 6 at the time of the 2001 report. Station #3 has improved from a geometric mean of 8.82 and an estimated 90th percentile of 77 in 2010 to a 5.57 and 38 currently.

It should be noted that higher than normal fecal coliform results were shown from the 3/7/12 sampling run. A large number of birds, mostly ducks, were noted on the sampling sheet for each of these stations that received higher than normal results.

1.5 SUMMARY OF BACTERIOLOGICAL DATA ANALYSIS

Review of the bacteriological summary statistics for Areas G-8 and G-9 indicates improvement in bacteriological water quality statistics since the last Sanitary

Survey. None of the 30 total stations in G-8 and G-9 exceed approved standards currently, compared to 4 at the time of the 2010 Sanitary Survey.

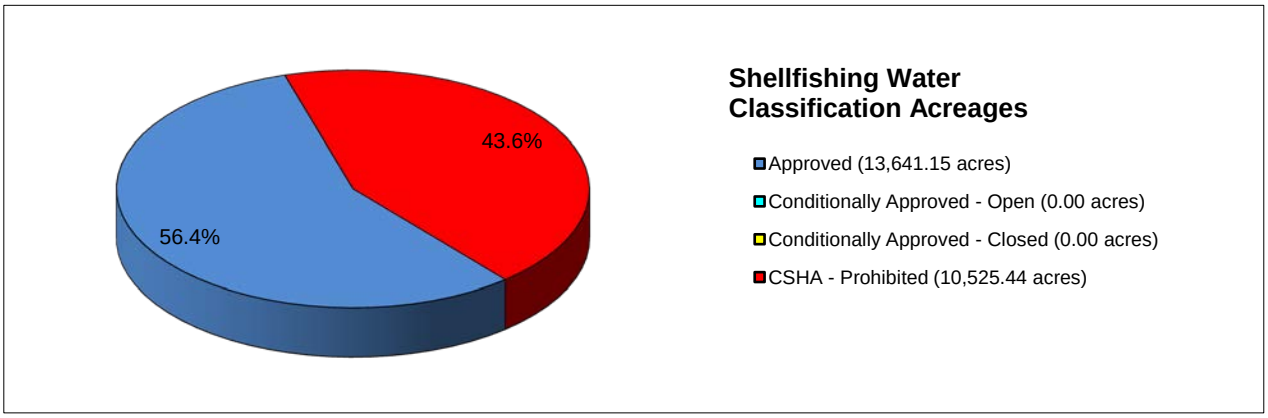
Refer to Tables 12 and 13 for summary and descriptive bacteriological statistics.

1.6 OVERALL EVALUATION AND RECOMMENDATIONS

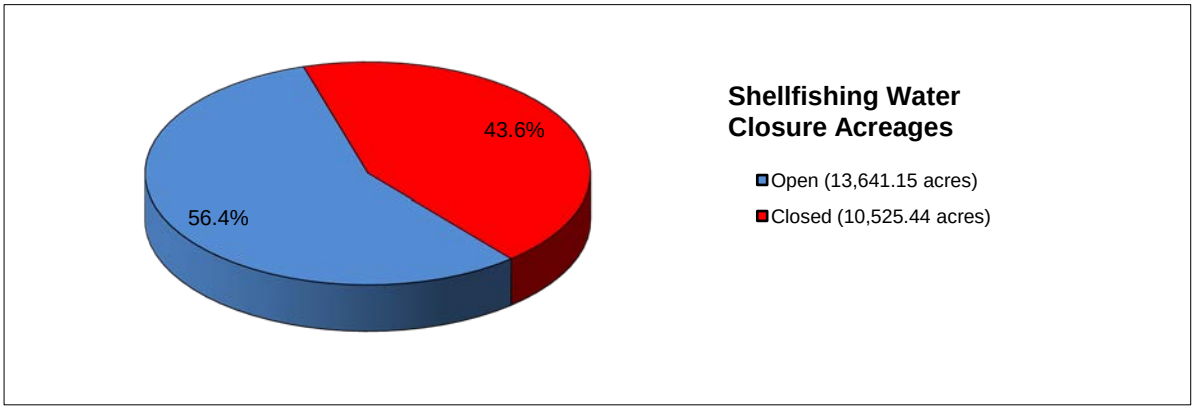
A new sampling station, #9C, was added on 9/28/08 upstream of #9B in Slade Creek in order to monitor for a potential reopening of the upstream portion of the creek. The stations in Slade Creek continue to show acceptable results. Approximately 85 acres downstream of #9C in Slade Creek will be reclassified from *Prohibited* to *Approved* and reopened to shellfish harvest. Neal Creek will remain closed at the mouth. Station #9A will be dropped from the sampling regime as stations #9B and #9C adequately monitor the creek.

The rest of the G-8 and G-9 area is classified properly at this time. No other changes are required.

Figure 1: Acreage



Classification	Acres	Percent of Total
Approved	13,641.15	56.4%
Conditionally Approved - Open	0.00	
Conditionally Approved - Closed	0.00	
CSHA - Prohibited	10,525.44	43.6%
Total	24,166.59	100.0%



Status	Acres	Percent of Total
Open	13,641.15	56.4%
Closed	10,525.44	43.6%
Total	24,166.59	100.0%

G-8 and G-9 Growing Areas:

Shellfishing Water Sampling Stations

Legend

- # Sampling Stations
- Shellfish Growing Area Boundaries
- 14-digit Hydrologic Units

Shellfish Growing Area Classifications

- Approved
- Conditionally Approved-Open
- Conditionally Approved-Closed
- Prohibited

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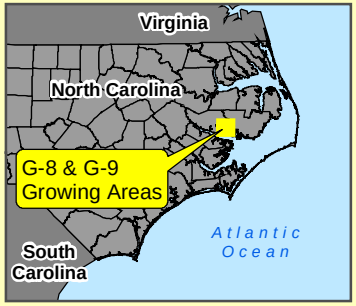

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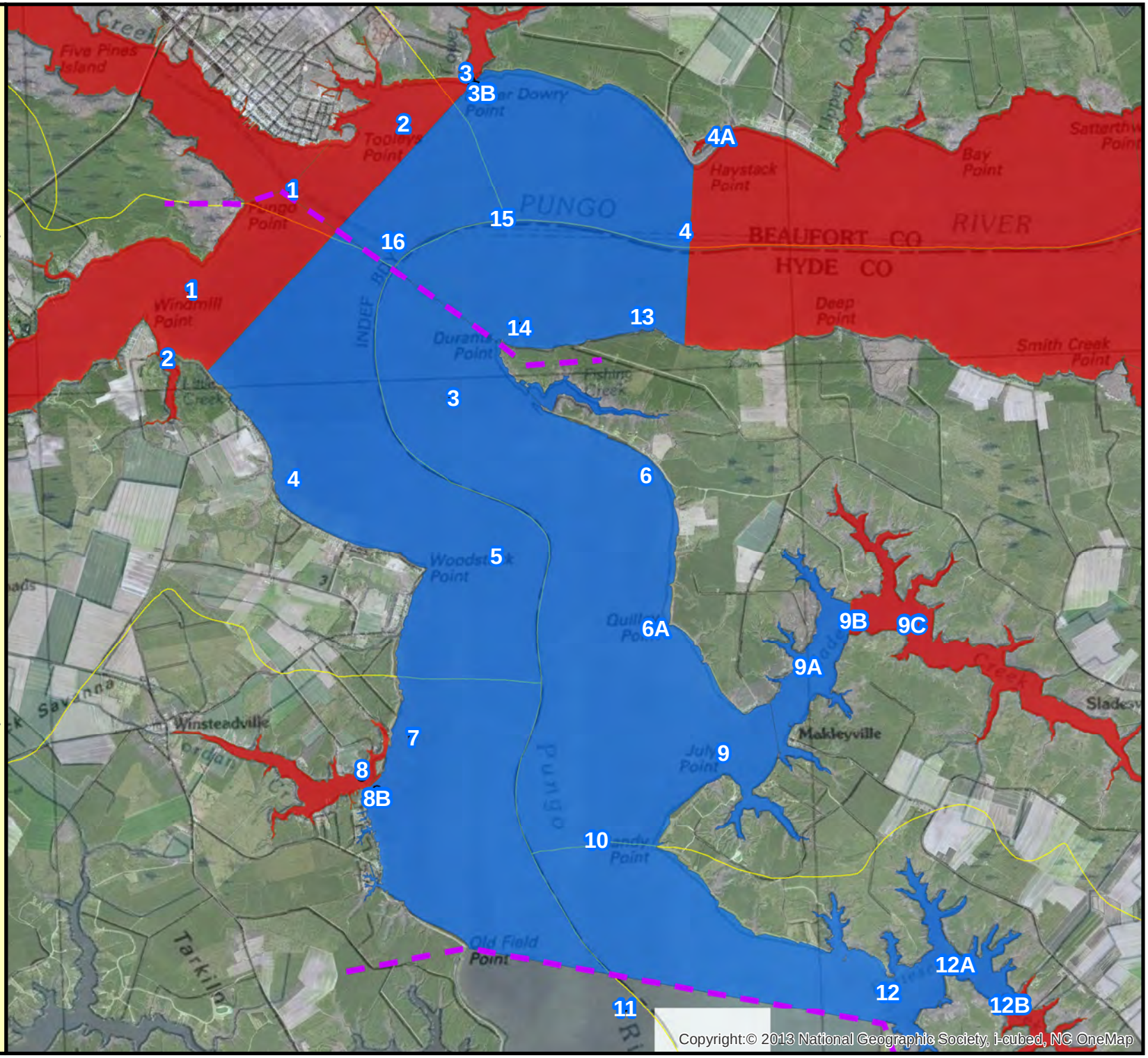
August 7, 2013



Sampling Stations

G-8 G-9 SAMPLING STATION DESCRIPTIONS TABLE 1

STATION#	GROWING AREA	DESCRIPTION OF SITE	COUNTY
1	G8	Day Beacon #2, mouth of Pungo Creek	BEAUFORT
2	G8	Mouth of creek east side Windmill Point	BEAUFORT
3	G8	Flashing Red #8	HYDE
4	G8	2500 yards southwest of Windmill Point	BEAUFORT
5	G8	Flashing Beacon #7	BEAUFORT
6	G8	1500 yards north of Quilley Point	HYDE
6A	G8	300 yards West of Quilley Point	HYDE
7	G8	1200 yards northeast of Jordan Creek	BEAUFORT
8	G8	Mouth of Jordan Creek	BEAUFORT
8B	G8	200 yards south of station #8	BEAUFORT
9	G8	Mouth of Slade Creek	HYDE
9A	G8	2000 yards East of station #9	HYDE
9B	G8	1000 yards southeast of station #9A	HYDE
9C	G8	1000 yds East of Station #9B	HYDE
10	G8	Flashing Red Beacon #4	BEAUFORT
11	G8	Flashing Beacon #3	BEAUFORT
12	G8	Mouth of Fortesque Creek	HYDE
12A	G8	1000 yards east of station #12	HYDE
12B	G8	1000 yards southeast of station #12A	HYDE
1	G9	Flashing Beacon # 5, Pungo River	BEAUFORT
2	G9	Beacon # 1, 1500 yards west of Lower Dowry Creek	BEAUFORT
3	G9	Mouth of Lower Dowry Creek	BEAUFORT
3B	G9	100 yards SE opf Station #3	BEAUFORT
4	G9	Flashing Beacon # 13, Pungo River	BEAUFORT
4A	G9	500 yards southeast of Haystack Point	BEAUFORT
12	G9	Mouth of creek ½ way between Smith Creek and Durants Point	HYDE
13	G9	2500 yards East of Durants Point	HYDE
14	G9	500 yards off shore from Durants Point	HYDE
15	G9	Day Beacon # 11 Pungo River	BEAUFORT
16	G9	Day Beacon # 28C Pungo River	BEAUFORT

G-8 and G-9 Growing Areas: Actual and Potential Pollution Sources

Legend

- Animals
- Areas of Concern
- Dockage
- Golf Courses
- Stormwater
- Subdivisions
- Wastewater
- Sampling Stations
- Shellfish Growing Area Boundaries
- 14-digit Hydrologic Units

Shellfish Growing Area Classifications

- Approved
- Conditionally Approved-Open
- Conditionally Approved-Closed
- Prohibited

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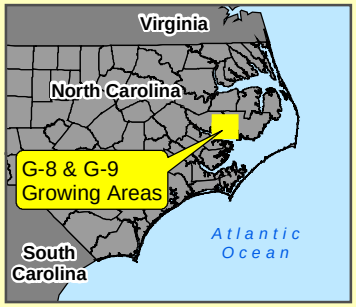

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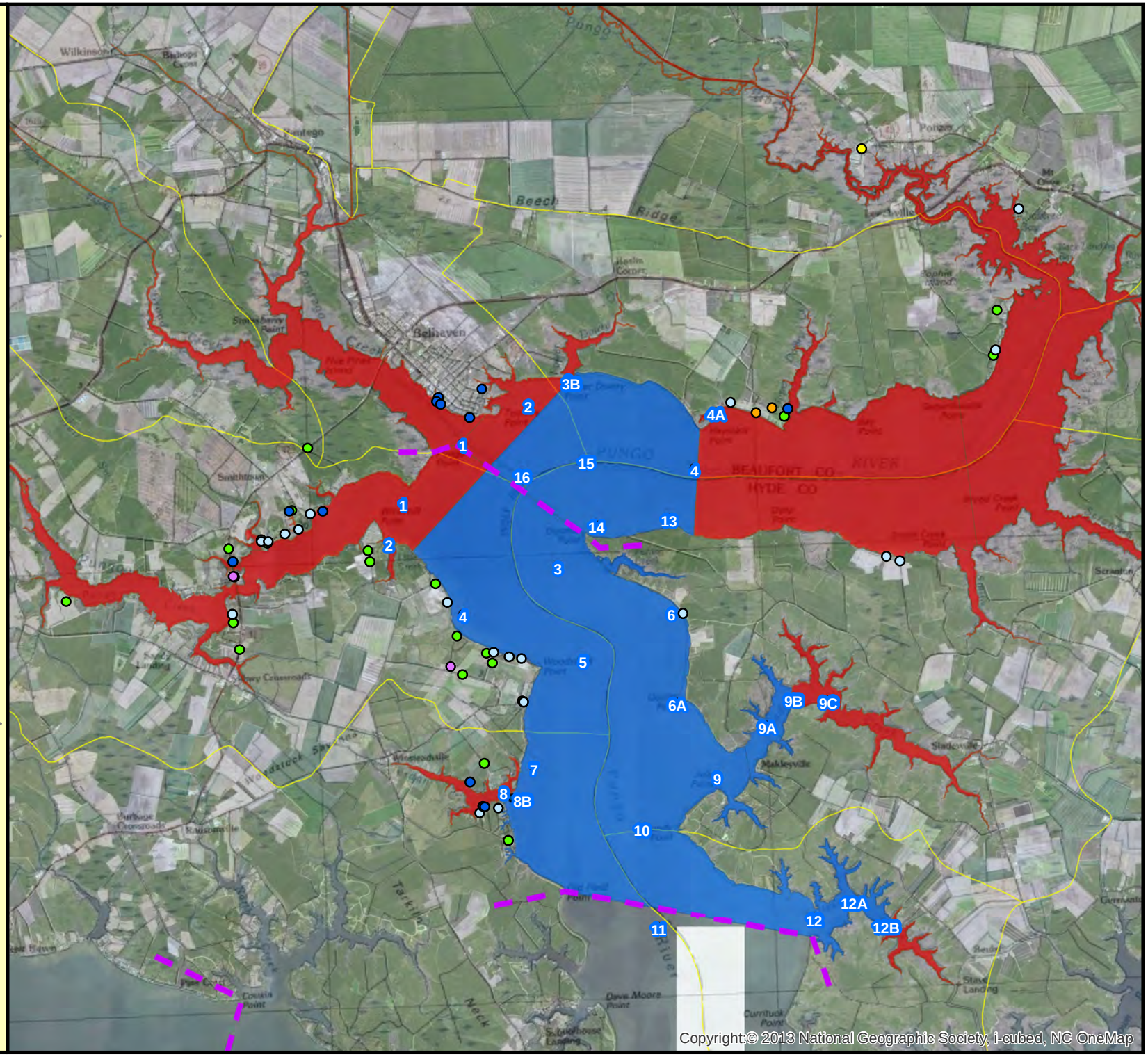

Pollution: All Sources

G-8 and G-9 Growing Areas:

Wastewater

Legend

Wastewater

- MUNICIPAL WWTP
- PACKAGE PLANT
- Shellfish Growing Area Boundaries
- 14-digit Hydrologic Units

Shellfish Growing Area Classifications

- Approved
- Conditionally Approved-Open
- Conditionally Approved-Closed
- Prohibited

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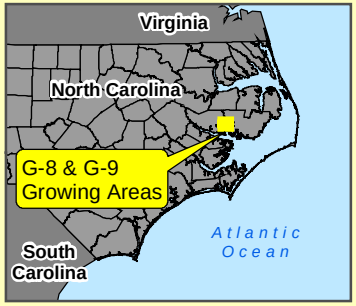

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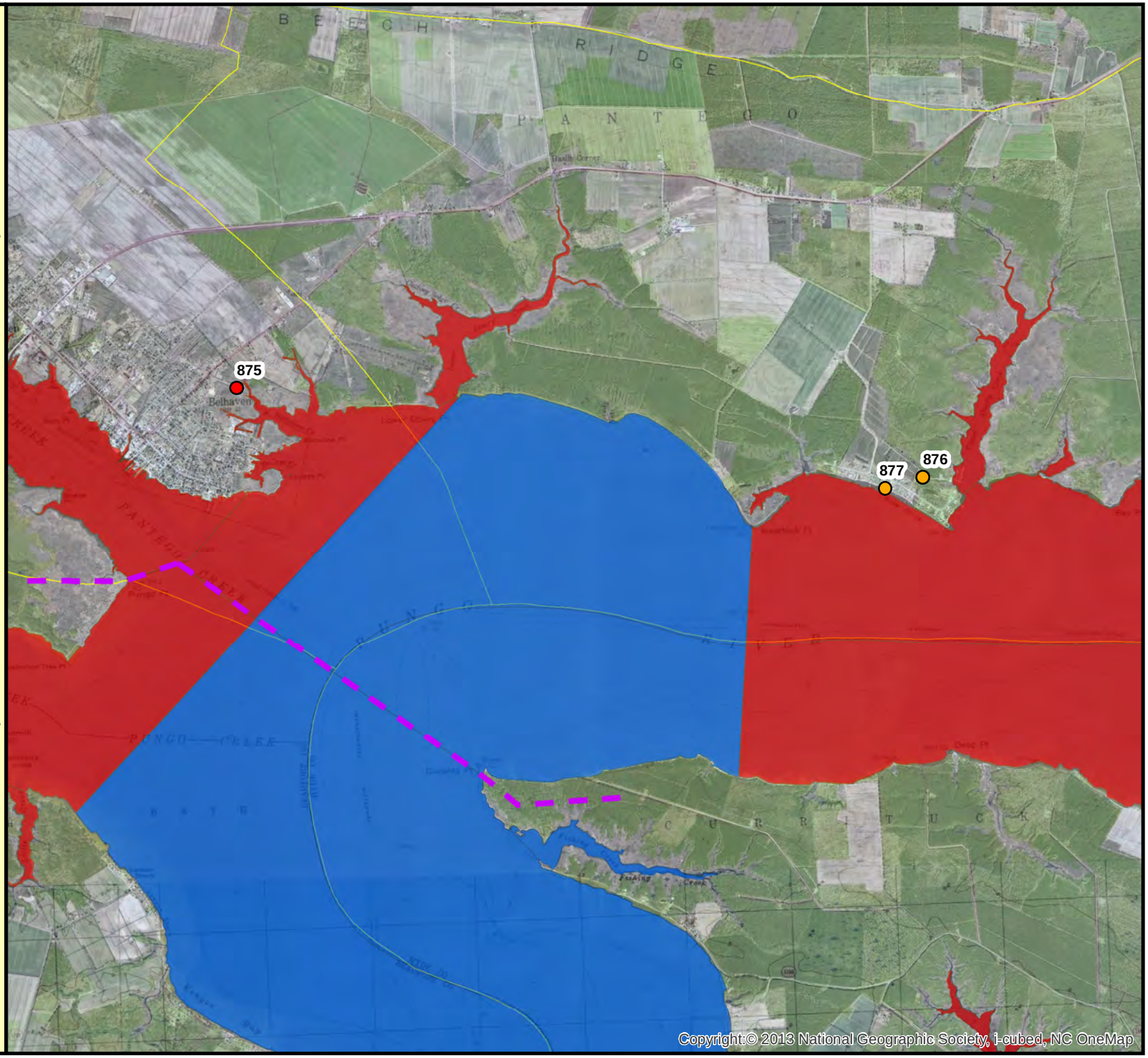

Table 2: Wastewater

SGA INDEX	SITE NAME	CATEGORY	CAPACITY	DISINFECTION
876	DOWRY CREEK	PACKAGE PLANT	50,000 GPD	CHLORINE
877	DOWRY CREEK DISCHARGE LOCATION	PACKAGE PLANT	NA	CHLORINE
875	BELHAVEN WASTEWATER TREATMENT PLANT	MUNICIPAL WWTP	1.0 MGD	UV

G-8 and G-9 Growing Areas:

Dockage

Legend

- Dockage
- Shellfish Growing Area Boundaries
- 14-digit Hydrologic Units

Shellfish Growing Area Classifications

- Approved
- Conditionally Approved-Open
- Conditionally Approved-Closed
- Prohibited

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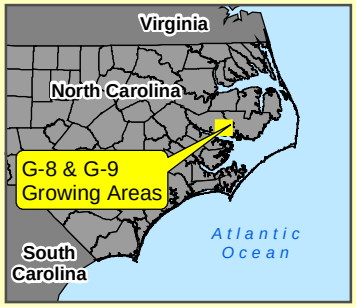

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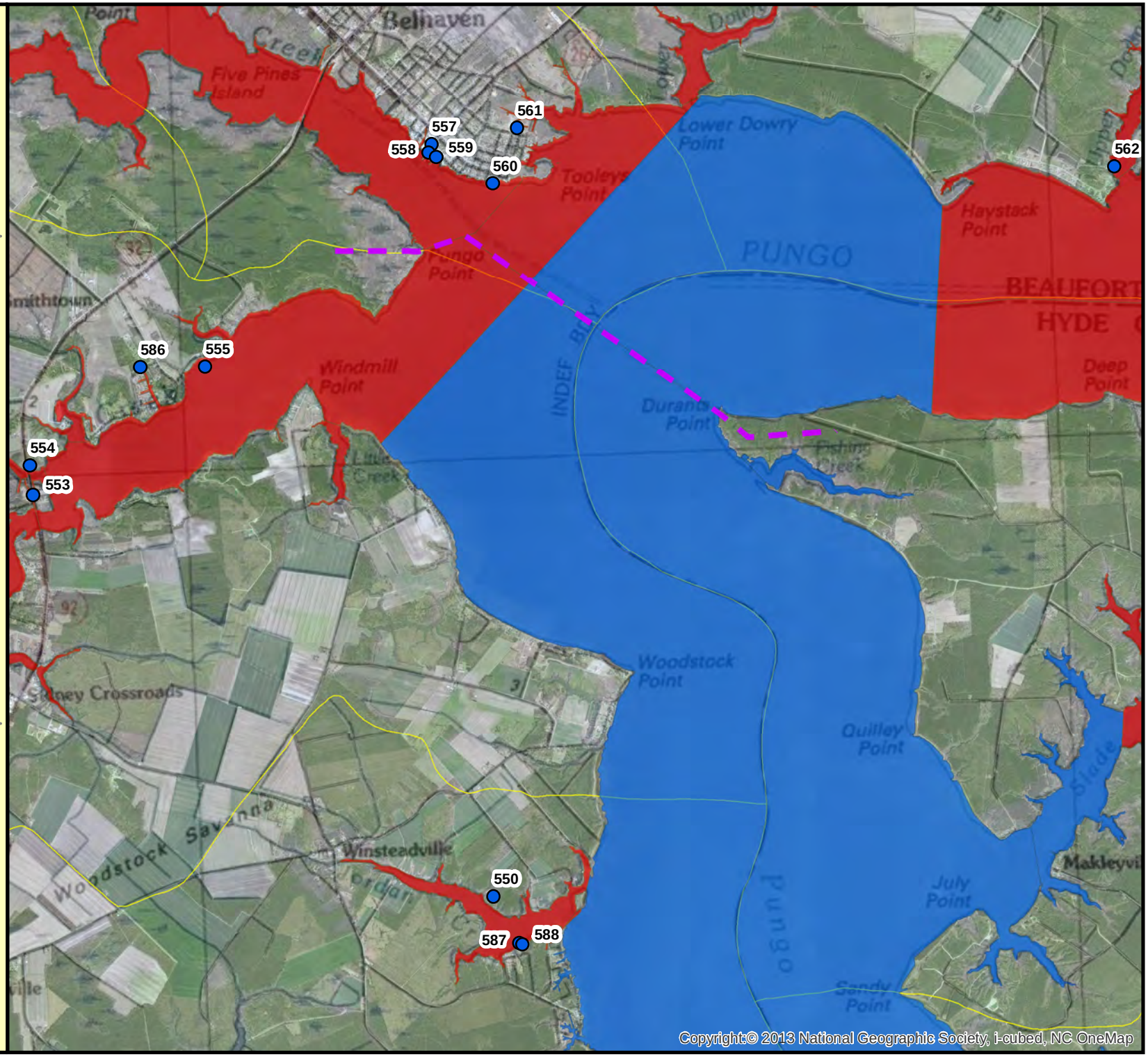

Table 3: Marinas

SGA INDEX	MARINA NAME	TOTAL SLIPS	BOATS >24' W/ HEAD	LIVEABOARDS	COMMENTS
550	MILL LANDING MARINA	12	3	0	Private subdivision and marina
553	CEE BEE	39	2	0	Only open on weekends
554	BRIDGE CREEK POINTE	36	0	0	Subdivision with a private marina
587	JORDAN CREEK	35	23	0	Mostly Sailboats
588	SYLVA COVE	16	7	0	Mostly Sailboats
624	WINFIELD	12	0	0	Private subdivision and marina
555	PUNGO CREEK MARINA	58	9	2	Was Bayside Marina
556	PANTEGO CREEK	0	0	0	
557	BELHAVEN WATERWAY	35	4	0	Utilized by transient boaters
558	DAY BEACON	48	5	0	Docking for the Day Beacon Condominiums
559	ROBB'S	0	0	0	
560	RIVER FOREST	42	2	0	Utilized by transient boaters (the marina was closed)
561	RIVER FOREST SHIPYARD	6	4	0	
562	DOWRY CREEK	96	12	0	Utilized by transient boaters
586	SMITH SHORES	0	12	0	Single manmade canal through the center of the Smith Shores Subdivision
625	BELHAVEN TOWN DOCKS	0	0	0	

G-8 and G-9 Growing Areas:

Subdivisions

Legend

- Subdivisions
- Shellfish Growing Area Boundaries
- 14-digit Hydrologic Units

Shellfish Growing Area Classifications

- Approved
- Conditionally Approved-Open
- Conditionally Approved-Closed
- Prohibited

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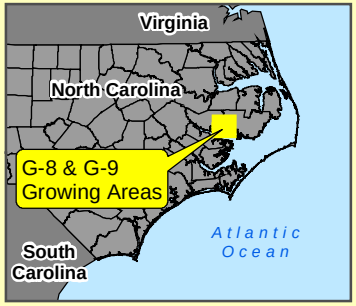

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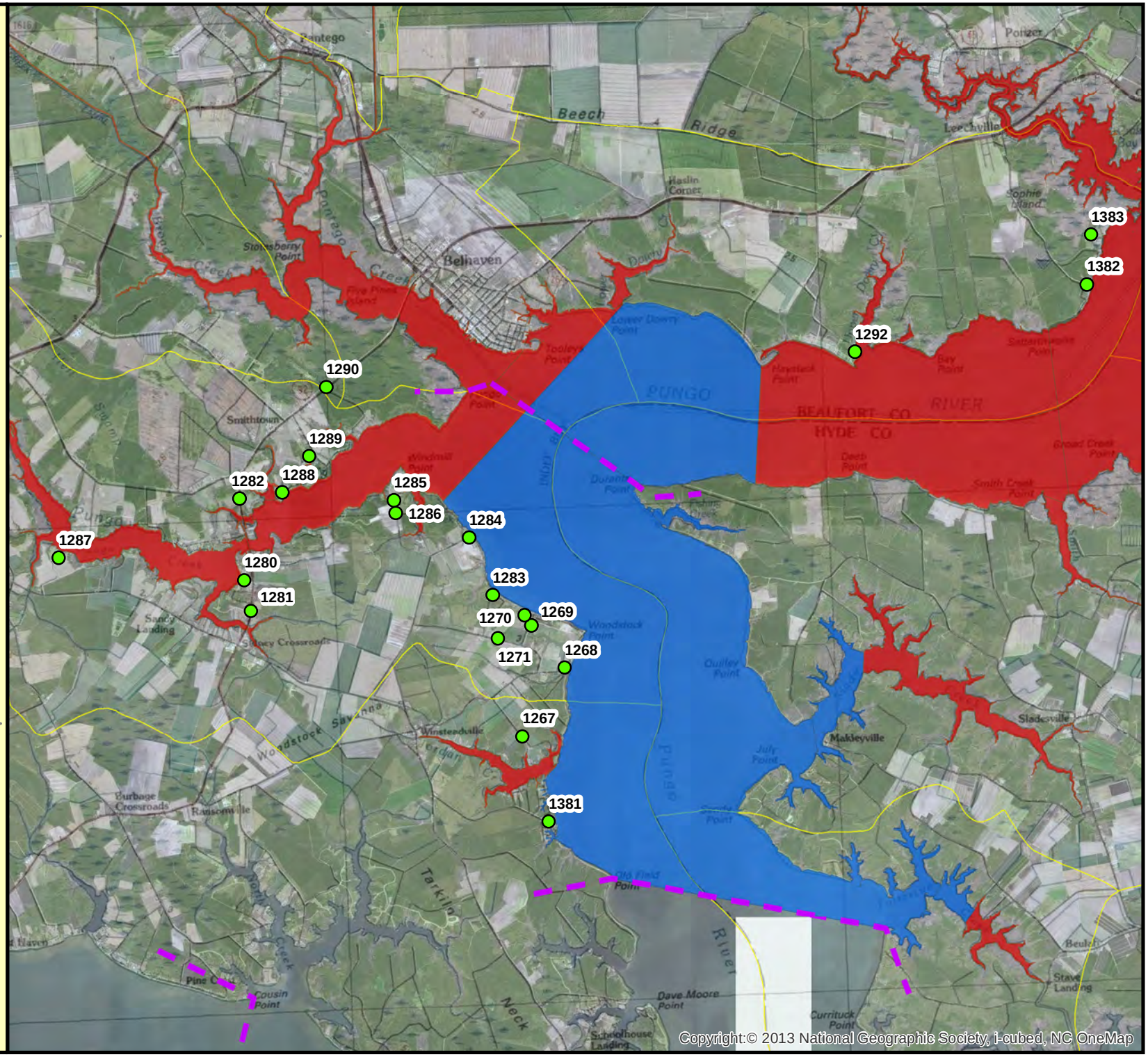

Table 4: Subdivisions

SGA INDEX	NAME	# LOTS	# HOMES	WASTEWATER
1381	SCHRAMS BEACH	65	22	ON SITE
1267	OLD MILL LANDING	0	5	ON SITE
1268	WOODSTOCK ON THE PUNGO	0	28	ON SITE
1269	PUNGO SHORES	0	48	ON SITE
1270	PUNGO SHORES WEST	0	8	ON SITE
1271	PUNGO RETREAT	0	5	ON SITE
1283	ELLIS COVE	0	21	ON SITE
1284	NORFLEET SHORES	0	15	ON SITE
1285	WINDMILL POINT ESTATES	0	8	ON SITE
1286	PUNGO CREEK ESTATES	0	1	ON SITE
1282	BRIDGE CREEK POINTE	47	0	
1287	BANGO CREEK	48	17	ON SITE
1288	SMITH SHORES	0		ON SITE
1289	RAVENWOOD			ON SITE
1280	CREEKSIDE LANDING	0	3	ON SITE
1281	STILLWATER	0	2	ON SITE
1290	SCHOONERS POINT	32	17	ON SITE
1292	DOWRY CREEK	98	26	PACKAGE PLANT
1382	MATCHAPUNGO SHORES	0	13	ON SITE
1383	RIVER VIEW	45	4	ON SITE

G-8 and G-9 Growing Areas:

Stormwater

Legend

- Stormwater
- Shellfish Growing Area Boundaries
- 14-digit Hydrologic Units

Shellfish Growing Area Classifications

- Approved
- Conditionally Approved-Open
- Conditionally Approved-Closed
- Prohibited

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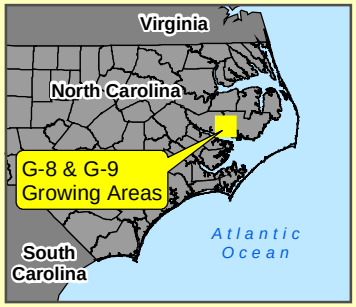

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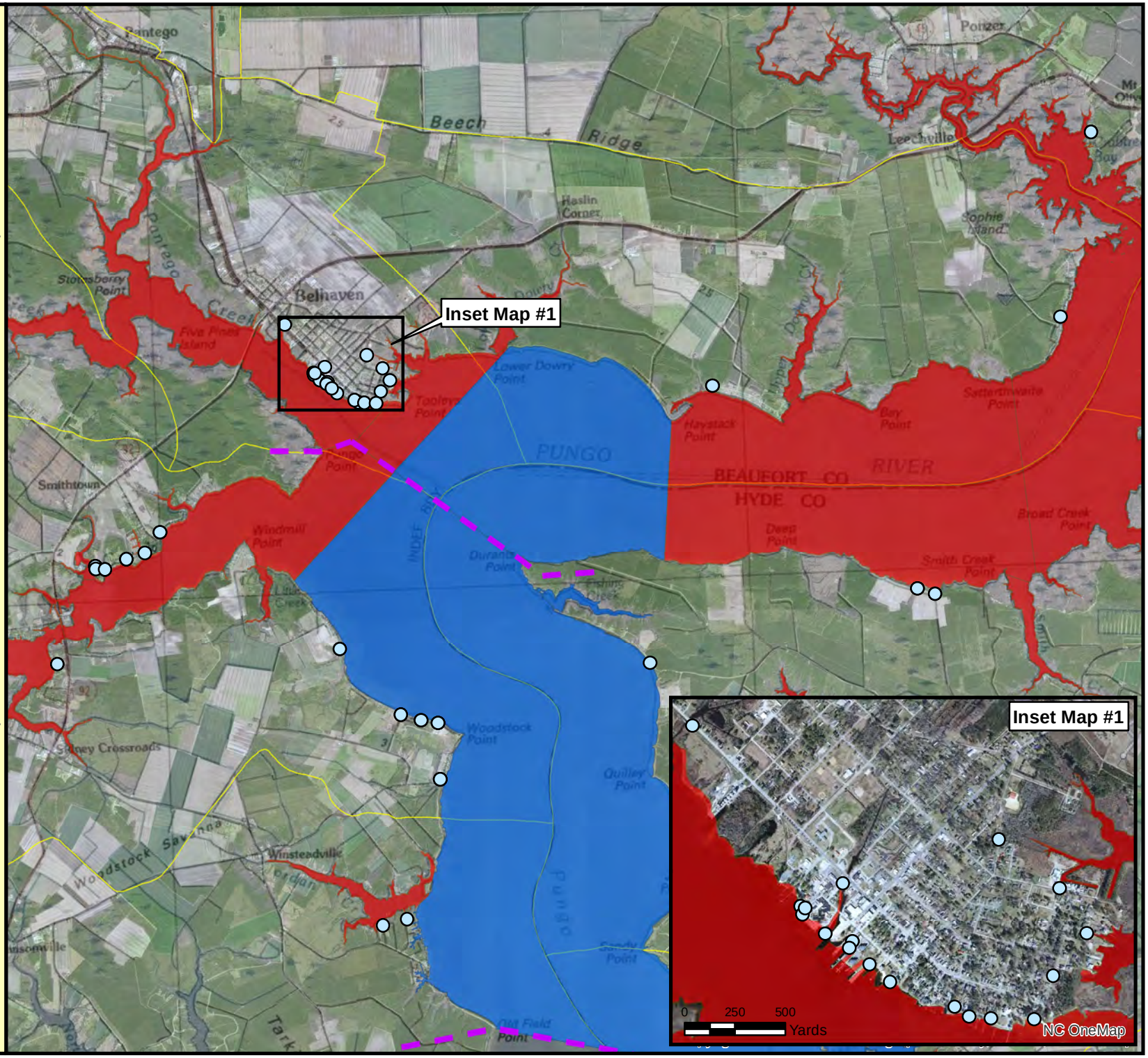

G-8 and G-9 Growing Areas:

Animals

Legend

Animals

- HORSES
- OTHER-SEE COMMENTS
- Shellfish Growing Area Boundaries
- 14-digit Hydrologic Units

Shellfish Growing Area Classifications

- Approved
- Conditionally Approved-Open
- Conditionally Approved-Closed
- Prohibited

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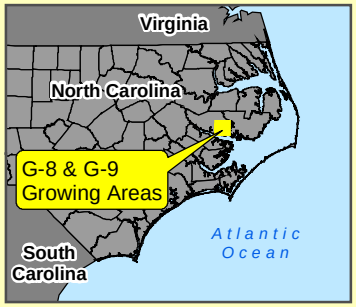

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Recreational Water Quality Section
August 7, 2013

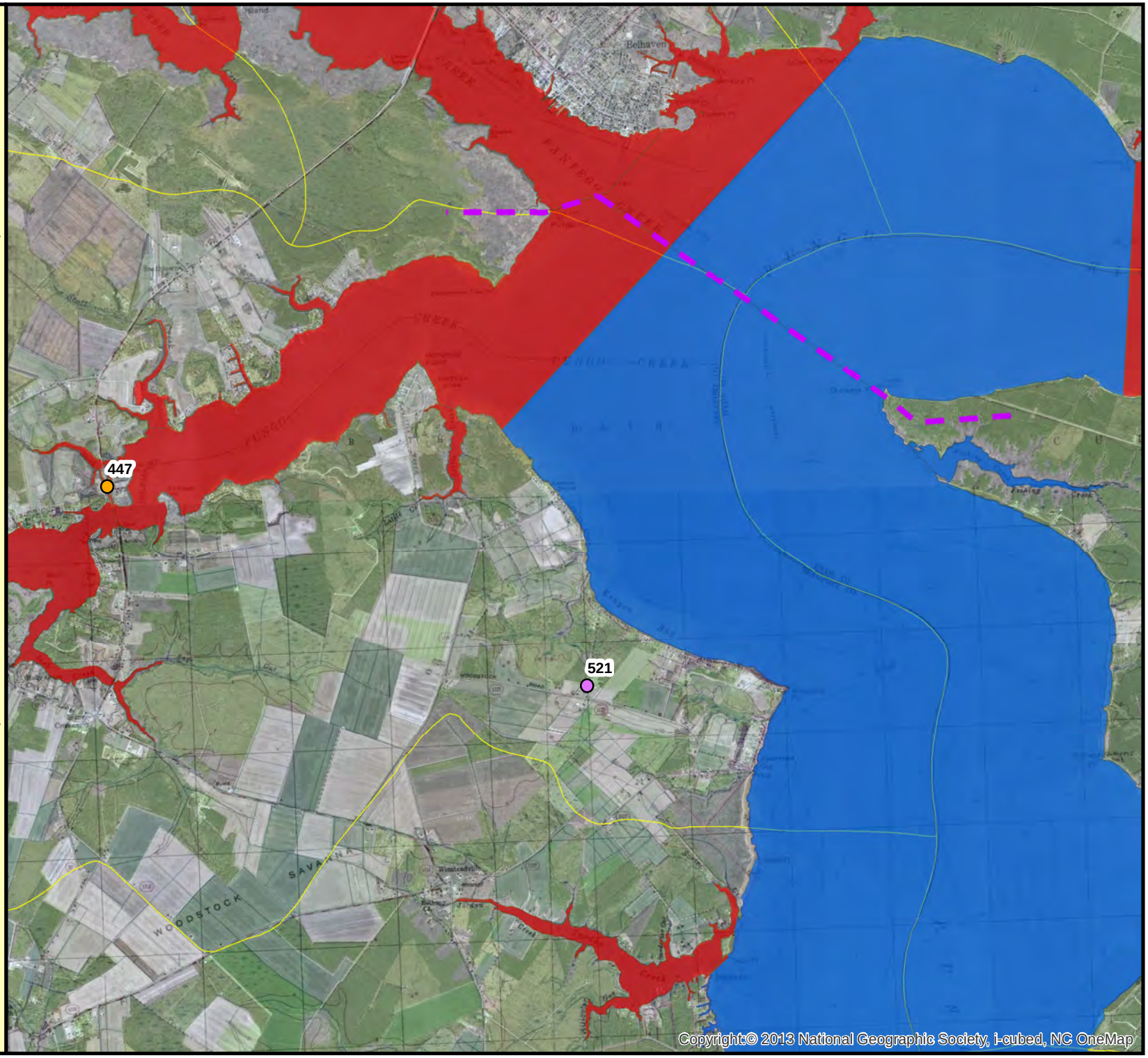


Table 5: Animals

SGA INDEX	CATEGORY	COMMENTS
521	HORSES	1-5 Horses
447	OTHER-SEE COMMENTS	10 Emus

G-8 and G-9 Growing Areas:

Areas of Concern

Legend

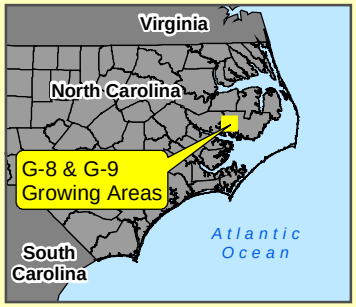
- Areas of Concern
- Shellfish Growing Area Boundaries
- 14-digit Hydrologic Units

Shellfish Growing Area Classifications

- Approved
- Conditionally Approved-Open
- Conditionally Approved-Closed
- Prohibited

N
W E
S

0 0.5 1 Miles



North Carolina Department of
Environment and Natural Resources
Division of Marine Fisheries
Shellfish Sanitation and
Recreational Water Quality Section
August 7, 2013

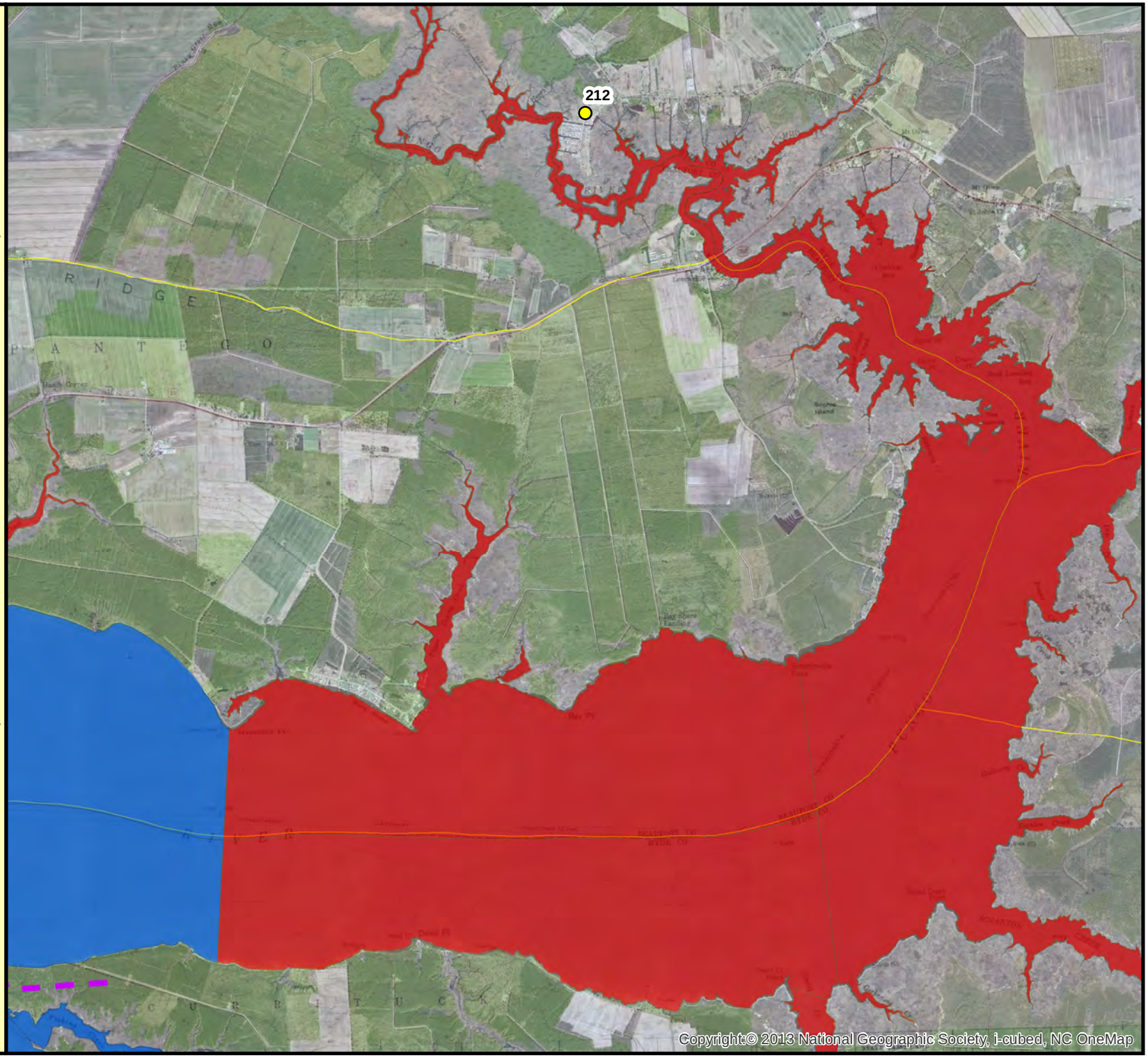


Table 6: Areas of Concern

SGA INDEX	COMMENTS
212	RIVERSIDE CAMPGROUND

Table 7: G-8 Tides and Salinities 2013

		Station ID																		
Date	**Tidal Stage**	***1***	***2***	***3***	***4***	***5***	***6***	***6A***	***7***	***8***	***8B***	***9***	***9A***	***9B***	***9C***	***10***	***11***	***12***	***12A***	***12B***
5/7/2008	**HIGH**									14									15	
8/25/2008	**LOW**	15	15	15	15	18	17	17	18	17	17	17	20	20		20	20	20	20	20
9/29/2008	**HIGH**	22	21	21	21	21	22	23	22	23	23	23	24	24	24	24	25	25	26	26
11/12/2008	**HIGH**	22	23	23	23	23	24	25	25	25	25	25	23	24	23	25	25	23	25	24
12/3/2008	**HIGH**	25	25	25	25	25	25	25	26	26	26	26	25	25	25	26	24	25	25	24
2/11/2009	**LOW**	20	20	20	20	20	20	20	20	21	21	21	21	20	20	20	20	20	20	20
4/22/2009	**HIGH**	15	15	16	16	16	16	15	17	17	18	17	17	17	20	17	16	17	17	18
7/1/2009	**HIGH**	15	15	15	15	16	16	15	15	15	14	13	13	12	13	14	14	14	14	14
8/10/2009	**HIGH**	14	14	14	15	15	15	15	15	15	18	15	15	15	16	18	18	20	20	20
10/5/2009	**HIGH**	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	21	22	22
11/24/2009	**HIGH**	10	10	12	14	15	20	17	17	17	15	18	18	18	17	17	17	17	20	20
2/25/2010	**HIGH**	7	8	8	8	8	9	10	10	10	10	10	10	10	10	10	10	10	10	10
4/15/2010	**LOW**	10	7	7	7	7	8	8	8	8	8	8	8	8	9	9	9	9	9	9
6/9/2010	**HIGH**	7	7	5	8	8	8	8	8	8	6	6	6	5	5	5	5	5	5	5
8/17/2010	**HIGH**	9	9	10	10	10	10	10	10	12	12	12	12	12	12	12	14	14	14	14
9/14/2010	**LOW**	10	10	10	10	10	10	12	12	12	13	13	12	12	12	15	15	15	12	10
10/20/2010	**HIGH**	15	15	13	15	15	15	15	15	15	13	15	13	12	12	15	15	14	12	12
3/2/2011	**HIGH**	13	13	13	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
5/3/2011	**HIGH**	10	10	11	11	11	11	11	11	11	11	12	11	11	12	10	10	10	10	11
6/7/2011	**LOW**	10	8	10	10	10	10	10	10	10	10	10	10	11	11	10	11	11	11	11
8/1/2011	**HIGH**	10	10	10	10	9	9	9	10	10	11	11	12	12	12	11	11	12	13	13
11/30/2011	**LOW**	6	5	7	7	8	8	9	9	10	10	9	9	9	9	11	11	10	10	10
3/7/2012	**HIGH**	10	12	12	12	13	13	13	14	13	13	13	12	11	11	14	14	13	12	11
5/10/2012	**HIGH**	15	14	12	12	14	15	15	16	14	14	14	14	13	12	16	16	14	14	14
7/3/2012	**HIGH**	15	15	15	15	15	15	15	15	15	15	16	16	16	17	17	17	17		17
9/11/2012	**HIGH**	10	11	14	12	12	14	14	14	15	13	15	15	14	14	14	15	15	15	15
10/24/2012	**HIGH**	15	15	15	15	17	17	17	17	17	17	17	18	18	18	18	18	18	19	19
12/4/2012	**LOW**	18	18	18	18	18	19	19	20	20	19	19	19	19	18	20	20	19	19	19
2/6/2013	**LOW**	17	17	17	19	18	19	20	20		20	20	20	20	20	20	20	20	20	20
4/17/2013	**LOW**	13	13	13	13	14	14	14	13	13	13	13	14	14	12	14	14	15	15	15
5/22/2013	**HIGH**	15	15	15	15	15	15	15	15	15	15	15	15	14	14	15	16	15	15	15

Table 8: G-9 Tides and Salinities 2013

		Station ID										
Date	**Tidal Stage**	***1***	***2***	***3***	***3B***	***4***	***4A***	***12***	***13***	***14***	***15***	***16***
4/10/2008	**HIGH**							12				
5/7/2008	**HIGH**							10				
8/25/2008	**LOW**	15	15	15		15	15	15	15	15	15	15
9/29/2008	**HIGH**	26	24	22		22	22	21	21	21	21	21
11/12/2008	**HIGH**	21	22	22		22	22	21	21	22	23	23
12/3/2008	**HIGH**	22	22	23		22	23	23	24	23	23	24
2/11/2009	**LOW**	20	20	20		20	20	20	20	20	20	20
4/22/2009	**HIGH**	17	17	17		17	17	17	18	17	17	18
7/1/2009	**HIGH**	15	15	15		15	16	15	16	16	16	15
8/10/2009	**HIGH**	14	14	14		14	13	13	13	14	14	14
10/5/2009	**HIGH**	18	18	20		20	20	20	20	20	20	20
11/24/2009	**HIGH**	15	16	17		17	17	17	16	16	16	16
2/25/2010	**HIGH**	8	8	8		6	7	6	6	7	7	8
4/15/2010	**LOW**	8	8	8		8	8	8	7	8	9	9
6/9/2010	**HIGH**	10	4	4		10	3	4	4	4	10	9
8/17/2010	**HIGH**	11	10	10		10	10	10	10	10	10	10
9/14/2010	**LOW**	10	10	10		10	10	10	10	10	10	10
10/20/2010	**HIGH**	12	12	15		15	15	15	15	15	15	15
3/2/2011	**HIGH**	13	13	13		12	13	13	12	13	12	12
5/3/2011	**HIGH**	10	10	10		10	10	10	10	10	10	10
6/7/2011	**LOW**	10	10	9		9	10	8	8	9	9	10
8/1/2011	**HIGH**	10	8	8		5	6	6	6	9	7	8
11/30/2011	**LOW**	7	6	5		6	6	5	6	6	6	7
2/27/2012	**LOW**	15	17	17		17	18	17	18	19	20	20
5/10/2012	**HIGH**	14	13	10		14	11	12	12	13	14	14
6/21/2012	**HIGH**	12	12	12		12	12	12	12	12	12	12
9/11/2012	**HIGH**	12	12	12		13	12	12	12	12	13	13
10/24/2012	**HIGH**	17	17	15		15	15	15	15	15	15	15
12/4/2012	**LOW**	18	17	16		18	17	17	17	18	18	18
1/23/2013	**LOW**	18	20	20		20	20	20	20	20	20	20
4/17/2013	**LOW**	11	11	10	10	12	13		12	12	10	10
5/22/2013	**HIGH**	15	14	14	14	14	14		15	15	15	15

Table 9: Temporary Closures Areas G-8 and G-9

DATE	DESCRIPTION	CLOSE	OPEN	REASON
11/12/09	**All those waters** north and west of a line beginning at Long Shoal Point thence in a straight line to Long Point; thence in a straight line to the southernmost tip of Hog Island; thence in a straight line to Bluff Point; thence in a straight line to the southernmost point on Great Island Marsh; thence in a straight line to Sow Island Point on the north shore of Jones Bay; to include all of Juniper Bay, Swanquarter Bay, Pungo River, Pamlico River, Spencer Bay, Rose Bay, West Bluff Bay, East Bluff Bay, Wysocking Bay and Long Shoal River and all other tributaries within said boundaries.	12-Nov		TS Ida / Excessive Rainfall
11/30/09	Pungo River returns to status prior to 11/12/09 TS Ida remnants.		1-Dec	Sampling
08/29/11	**All Coastal waters close.**	29-Aug		Hurricane Irene
09/09/11	Pungo River returns to status prior to 8/27/11 Hurricane Irene (G8 & G9 return to status)		10-Sep	Sampling

Table 10: G-8 Station Report 2013

Station ID: 1

# Samples:	30	**Log Avg:**	0.4684
# > 43 MPN:	1	**Log Std Dev:**	0.3804
# > 260 MPN:	0	**Geomean:**	2.9404
Median:	2	**Estimated 90th:**	9

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	15	1.7	0.2304
9/29/2008	HIGH	22	2.0	0.301
11/12/2008	HIGH	22	1.7	0.2304
12/3/2008	HIGH	25	2.0	0.301
2/11/2009	LOW	20	2.0	0.301
4/22/2009	HIGH	15	1.7	0.2304
7/1/2009	HIGH	15	2.0	0.301
8/10/2009	HIGH	14	4.5	0.6532
10/5/2009	HIGH	20	4.5	0.6532
11/24/2009	HIGH	10	1.7	0.2304
2/25/2010	HIGH	7	2.0	0.301
4/15/2010	LOW	10	**23.0**	1.3617
6/9/2010	HIGH	7	2.0	0.301
8/17/2010	HIGH	9	1.7	0.2304
9/14/2010	LOW	10	1.7	0.2304
10/20/2010	HIGH	15	2.0	0.301
3/2/2011	HIGH	13	6.8	0.8325
5/3/2011	HIGH	10	1.7	0.2304
6/7/2011	LOW	10	2.0	0.301
8/1/2011	HIGH	10	4.5	0.6532
11/30/2011	LOW	6	7.8	0.8921
3/7/2012	HIGH	10	7.8	0.8921
5/10/2012	HIGH	15	1.7	0.2304
7/3/2012	HIGH	15	2.0	0.301
9/11/2012	HIGH	10	**70.0**	1.8451
10/24/2012	HIGH	15	2.0	0.301
12/4/2012	LOW	18	1.7	0.2304
2/6/2013	LOW	17	2.0	0.301
4/17/2013	LOW	13	1.7	0.2304
5/22/2013	HIGH	15	4.5	0.6532

Station ID: 2

# Samples:	30	**Log Avg:**	0.8237
# > 43 MPN:	4	**Log Std Dev:**	0.5891
# > 260 MPN:	0	**Geomean:**	6.6633
Median:	7.3	**Estimated 90th:**	37

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	15	1.7	0.2304
9/29/2008	HIGH	21	2.0	0.301
11/12/2008	HIGH	23	7.8	0.8921
12/3/2008	HIGH	25	6.8	0.8325
2/11/2009	LOW	20	4.5	0.6532
4/22/2009	HIGH	15	4.5	0.6532
7/1/2009	HIGH	15	2.0	0.301
8/10/2009	HIGH	14	**17.0**	1.2304
10/5/2009	HIGH	20	1.7	0.2304
11/24/2009	HIGH	10	7.8	0.8921
2/25/2010	HIGH	8	1.7	0.2304
4/15/2010	LOW	7	7.8	0.8921
6/9/2010	HIGH	7	**130.0**	2.1139
8/17/2010	HIGH	9	1.7	0.2304
9/14/2010	LOW	10	**17.0**	1.2304
10/20/2010	HIGH	15	2.0	0.301
3/2/2011	HIGH	13	7.8	0.8921
5/3/2011	HIGH	10	1.7	0.2304
6/7/2011	LOW	8	7.8	0.8921
8/1/2011	HIGH	10	**79.0**	1.8976
11/30/2011	LOW	5	**23.0**	1.3617
3/7/2012	HIGH	12	**110.0**	2.0414
5/10/2012	HIGH	14	1.7	0.2304
7/3/2012	HIGH	15	**22.0**	1.3424
9/11/2012	HIGH	11	**49.0**	1.6902
10/24/2012	HIGH	15	2.0	0.301
12/4/2012	LOW	18	1.7	0.2304
2/6/2013	LOW	17	1.7	0.2304
4/17/2013	LOW	13	11.0	1.0414
5/22/2013	HIGH	15	13.0	1.1139

G-8 Station Report 2013

Station ID: 3

# Samples:	30	**Log Avg:**	0.3075
# > 43 MPN:	0	**Log Std Dev:**	0.2021
# > 260 MPN:	0	**Geomean:**	2.0299
Median:	1.7	**Estimated 90th:**	3

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	15	1.7	0.2304
9/29/2008	HIGH	21	2.0	0.301
11/12/2008	HIGH	23	1.7	0.2304
12/3/2008	HIGH	25	1.7	0.2304
2/11/2009	LOW	20	2.0	0.301
4/22/2009	HIGH	16	2.0	0.301
7/1/2009	HIGH	15	1.7	0.2304
8/10/2009	HIGH	14	1.7	0.2304
10/5/2009	HIGH	20	1.7	0.2304
11/24/2009	HIGH	12	1.7	0.2304
2/25/2010	HIGH	8	4.5	0.6532
4/15/2010	LOW	7	1.7	0.2304
6/9/2010	HIGH	5	1.7	0.2304
8/17/2010	HIGH	10	1.7	0.2304
9/14/2010	LOW	10	1.7	0.2304
10/20/2010	HIGH	13	1.7	0.2304
3/2/2011	HIGH	13	7.8	0.8921
5/3/2011	HIGH	11	1.7	0.2304
6/7/2011	LOW	10	1.7	0.2304
8/1/2011	HIGH	10	1.7	0.2304
11/30/2011	LOW	7	1.8	0.2553
3/7/2012	HIGH	12	1.7	0.2304
5/10/2012	HIGH	12	1.7	0.2304
7/3/2012	HIGH	15	1.7	0.2304
9/11/2012	HIGH	14	12.0	1.0792
10/24/2012	HIGH	15	1.7	0.2304
12/4/2012	LOW	18	1.7	0.2304
2/6/2013	LOW	17	2.0	0.301
4/17/2013	LOW	13	2.0	0.301
5/22/2013	HIGH	15	1.7	0.2304

Station ID: 4

# Samples:	30	**Log Avg:**	0.4786
# > 43 MPN:	2	**Log Std Dev:**	0.4616
# > 260 MPN:	0	**Geomean:**	3.0105
Median:	1.75	**Estimated 90th:**	11

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	15	1.7	0.2304
9/29/2008	HIGH	21	2.0	0.301
11/12/2008	HIGH	23	1.7	0.2304
12/3/2008	HIGH	25	4.0	0.6021
2/11/2009	LOW	20	2.0	0.301
4/22/2009	HIGH	16	2.0	0.301
7/1/2009	HIGH	15	1.7	0.2304
8/10/2009	HIGH	15	2.0	0.301
10/5/2009	HIGH	20	1.7	0.2304
11/24/2009	HIGH	14	2.0	0.301
2/25/2010	HIGH	8	**49.0**	1.6902
4/15/2010	LOW	7	**33.0**	1.5185
6/9/2010	HIGH	8	1.7	0.2304
8/17/2010	HIGH	10	4.5	0.6532
9/14/2010	LOW	10	1.7	0.2304
10/20/2010	HIGH	15	2.0	0.301
3/2/2011	HIGH	15	1.7	0.2304
5/3/2011	HIGH	11	1.7	0.2304
6/7/2011	LOW	10	1.7	0.2304
8/1/2011	HIGH	10	**27.0**	1.4314
11/30/2011	LOW	7	4.0	0.6021
3/7/2012	HIGH	12	4.5	0.6532
5/10/2012	HIGH	12	1.7	0.2304
7/3/2012	HIGH	15	1.7	0.2304
9/11/2012	HIGH	12	**49.0**	1.6902
10/24/2012	HIGH	15	1.7	0.2304
12/4/2012	LOW	18	1.7	0.2304
2/6/2013	LOW	19	1.7	0.2304
4/17/2013	LOW	13	1.8	0.2553
5/22/2013	HIGH	15	1.7	0.2304

G-8 Station Report 2013

Station ID: 5

# Samples:	30	**Log Avg:**	0.3354
# > 43 MPN:	0	**Log Std Dev:**	0.2722
# > 260 MPN:	0	**Geomean:**	2.1646
Median:	1.7	**Estimated 90th:**	4

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	18	1.7	0.2304
9/29/2008	HIGH	21	2.0	0.301
11/12/2008	HIGH	23	1.7	0.2304
12/3/2008	HIGH	25	1.7	0.2304
2/11/2009	LOW	20	2.0	0.301
4/22/2009	HIGH	16	1.7	0.2304
7/1/2009	HIGH	16	1.7	0.2304
8/10/2009	HIGH	15	1.7	0.2304
10/5/2009	HIGH	20	1.7	0.2304
11/24/2009	HIGH	15	7.8	0.8921
2/25/2010	HIGH	8	1.7	0.2304
4/15/2010	LOW	7	4.5	0.6532
6/9/2010	HIGH	8	1.7	0.2304
8/17/2010	HIGH	10	1.7	0.2304
9/14/2010	LOW	10	1.7	0.2304
10/20/2010	HIGH	15	1.7	0.2304
3/2/2011	HIGH	15	1.7	0.2304
5/3/2011	HIGH	11	1.7	0.2304
6/7/2011	LOW	10	1.7	0.2304
8/1/2011	HIGH	9	2.0	0.301
11/30/2011	LOW	8	1.7	0.2304
3/7/2012	HIGH	13	4.5	0.6532
5/10/2012	HIGH	14	1.7	0.2304
7/3/2012	HIGH	15	2.0	0.301
9/11/2012	HIGH	12	**33.0**	1.5185
10/24/2012	HIGH	17	1.7	0.2304
12/4/2012	LOW	18	2.0	0.301
2/6/2013	LOW	18	1.7	0.2304
4/17/2013	LOW	14	1.7	0.2304
5/22/2013	HIGH	15	1.7	0.2304

Station ID: 6

# Samples:	30	**Log Avg:**	0.3142
# > 43 MPN:	0	**Log Std Dev:**	0.2303
# > 260 MPN:	0	**Geomean:**	2.0618
Median:	1.7	**Estimated 90th:**	4

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	17	1.7	0.2304
9/29/2008	HIGH	22	4.5	0.6532
11/12/2008	HIGH	24	1.7	0.2304
12/3/2008	HIGH	25	1.7	0.2304
2/11/2009	LOW	20	1.7	0.2304
4/22/2009	HIGH	16	1.7	0.2304
7/1/2009	HIGH	16	2.0	0.301
8/10/2009	HIGH	15	2.0	0.301
10/5/2009	HIGH	20	1.7	0.2304
11/24/2009	HIGH	20	1.7	0.2304
2/25/2010	HIGH	9	2.0	0.301
4/15/2010	LOW	8	1.7	0.2304
6/9/2010	HIGH	8	1.7	0.2304
8/17/2010	HIGH	10	1.7	0.2304
9/14/2010	LOW	10	1.7	0.2304
10/20/2010	HIGH	15	2.0	0.301
3/2/2011	HIGH	15	1.7	0.2304
5/3/2011	HIGH	11	1.7	0.2304
6/7/2011	LOW	10	1.7	0.2304
8/1/2011	HIGH	9	9.3	0.9685
11/30/2011	LOW	8	1.7	0.2304
3/7/2012	HIGH	13	2.0	0.301
5/10/2012	HIGH	15	1.7	0.2304
7/3/2012	HIGH	15	1.7	0.2304
9/11/2012	HIGH	14	**17.0**	1.2304
10/24/2012	HIGH	17	1.7	0.2304
12/4/2012	LOW	19	1.7	0.2304
2/6/2013	LOW	19	1.7	0.2304
4/17/2013	LOW	14	1.7	0.2304
5/22/2013	HIGH	15	1.7	0.2304

G-8 Station Report 2013

Station ID: 6A

# Samples:	30	**Log Avg:**	0.3564
# > 43 MPN:	0	**Log Std Dev:**	0.2927
# > 260 MPN:	0	**Geomean:**	2.2719
Median:	1.7	**Estimated 90th:**	5

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	17	1.7	0.2304
9/29/2008	HIGH	23	11.0	1.0414
11/12/2008	HIGH	25	1.7	0.2304
12/3/2008	HIGH	25	1.7	0.2304
2/11/2009	LOW	20	1.7	0.2304
4/22/2009	HIGH	15	1.7	0.2304
7/1/2009	HIGH	15	1.7	0.2304
8/10/2009	HIGH	15	1.7	0.2304
10/5/2009	HIGH	20	7.8	0.8921
11/24/2009	HIGH	17	1.7	0.2304
2/25/2010	HIGH	10	**23.0**	1.3617
4/15/2010	LOW	8	1.7	0.2304
6/9/2010	HIGH	8	1.7	0.2304
8/17/2010	HIGH	10	1.7	0.2304
9/14/2010	LOW	12	1.7	0.2304
10/20/2010	HIGH	15	2.0	0.301
3/2/2011	HIGH	15	1.7	0.2304
5/3/2011	HIGH	11	1.7	0.2304
6/7/2011	LOW	10	1.7	0.2304
8/1/2011	HIGH	9	1.7	0.2304
11/30/2011	LOW	9	4.0	0.6021
3/7/2012	HIGH	13	7.8	0.8921
5/10/2012	HIGH	15	1.7	0.2304
7/3/2012	HIGH	15	1.7	0.2304
9/11/2012	HIGH	14	2.0	0.301
10/24/2012	HIGH	17	1.7	0.2304
12/4/2012	LOW	19	1.7	0.2304
2/6/2013	LOW	20	1.7	0.2304
4/17/2013	LOW	14	1.7	0.2304
5/22/2013	HIGH	15	1.7	0.2304

Station ID: 7

# Samples:	30	**Log Avg:**	0.3034
# > 43 MPN:	0	**Log Std Dev:**	0.2208
# > 260 MPN:	0	**Geomean:**	2.0110
Median:	1.7	**Estimated 90th:**	3

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	18	1.7	0.2304
9/29/2008	HIGH	22	1.7	0.2304
11/12/2008	HIGH	25	1.7	0.2304
12/3/2008	HIGH	26	1.7	0.2304
2/11/2009	LOW	20	1.7	0.2304
4/22/2009	HIGH	17	1.7	0.2304
7/1/2009	HIGH	15	1.7	0.2304
8/10/2009	HIGH	15	1.7	0.2304
10/5/2009	HIGH	20	**22.0**	1.3424
11/24/2009	HIGH	17	1.7	0.2304
2/25/2010	HIGH	10	2.0	0.301
4/15/2010	LOW	8	4.5	0.6532
6/9/2010	HIGH	8	1.7	0.2304
8/17/2010	HIGH	10	1.7	0.2304
9/14/2010	LOW	12	2.0	0.301
10/20/2010	HIGH	15	2.0	0.301
3/2/2011	HIGH	15	1.7	0.2304
5/3/2011	HIGH	11	1.7	0.2304
6/7/2011	LOW	10	1.7	0.2304
8/1/2011	HIGH	10	4.0	0.6021
11/30/2011	LOW	9	1.7	0.2304
3/7/2012	HIGH	14	2.0	0.301
5/10/2012	HIGH	16	1.7	0.2304
7/3/2012	HIGH	15	1.7	0.2304
9/11/2012	HIGH	14	1.7	0.2304
10/24/2012	HIGH	17	1.7	0.2304
12/4/2012	LOW	20	1.7	0.2304
2/6/2013	LOW	20	1.7	0.2304
4/17/2013	LOW	13	1.7	0.2304
5/22/2013	HIGH	15	1.7	0.2304

G-8 Station Report 2013

Station ID: 8

# Samples:	30	**Log Avg:**	0.5624
# > 43 MPN:	1	**Log Std Dev:**	0.4378
# > 260 MPN:	0	**Geomean:**	3.6507
Median:	2	**Estimated 90th:**	13

Date	Tidal Stage	Salinity	FC	Log FC
5/7/2008	HIGH	14	13.0	1.1139
8/25/2008	LOW	17	1.7	0.2304
9/29/2008	HIGH	23	4.5	0.6532
11/12/2008	HIGH	25	2.0	0.301
12/3/2008	HIGH	26	11.0	1.0414
2/11/2009	LOW	21	4.5	0.6532
4/22/2009	HIGH	17	2.0	0.301
7/1/2009	HIGH	15	4.5	0.6532
8/10/2009	HIGH	15	1.7	0.2304
10/5/2009	HIGH	20	1.7	0.2304
11/24/2009	HIGH	17	4.5	0.6532
2/25/2010	HIGH	10	7.8	0.8921
4/15/2010	LOW	8	13.0	1.1139
6/9/2010	HIGH	8	4.5	0.6532
8/17/2010	HIGH	12	1.7	0.2304
9/14/2010	LOW	12	4.0	0.6021
10/20/2010	HIGH	15	4.5	0.6532
3/2/2011	HIGH	15	2.0	0.301
5/3/2011	HIGH	11	1.7	0.2304
6/7/2011	LOW	10	1.7	0.2304
8/1/2011	HIGH	10	4.0	0.6021
11/30/2011	LOW	10	1.7	0.2304
3/7/2012	HIGH	13	**130.0**	2.1139
5/10/2012	HIGH	14	2.0	0.301
7/3/2012	HIGH	15	**23.0**	1.3617
9/11/2012	HIGH	15	1.7	0.2304
10/24/2012	HIGH	17	1.7	0.2304
12/4/2012	LOW	20	1.7	0.2304
4/17/2013	LOW	13	2.0	0.301
5/22/2013	HIGH	15	2.0	0.301

Station ID: 8B

# Samples:	30	**Log Avg:**	0.5331
# > 43 MPN:	1	**Log Std Dev:**	0.4303
# > 260 MPN:	0	**Geomean:**	3.4126
Median:	1.7	**Estimated 90th:**	12

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	17	1.7	0.2304
9/29/2008	HIGH	23	13.0	1.1139
11/12/2008	HIGH	25	1.7	0.2304
12/3/2008	HIGH	26	7.8	0.8921
2/11/2009	LOW	21	1.7	0.2304
4/22/2009	HIGH	18	1.7	0.2304
7/1/2009	HIGH	14	2.0	0.301
8/10/2009	HIGH	18	1.7	0.2304
10/5/2009	HIGH	20	11.0	1.0414
11/24/2009	HIGH	15	11.0	1.0414
2/25/2010	HIGH	10	**23.0**	1.3617
4/15/2010	LOW	8	4.5	0.6532
6/9/2010	HIGH	6	4.5	0.6532
8/17/2010	HIGH	12	2.0	0.301
9/14/2010	LOW	13	1.7	0.2304
10/20/2010	HIGH	13	1.7	0.2304
3/2/2011	HIGH	15	2.0	0.301
5/3/2011	HIGH	11	1.7	0.2304
6/7/2011	LOW	10	1.7	0.2304
8/1/2011	HIGH	11	**49.0**	1.6902
11/30/2011	LOW	10	6.8	0.8325
3/7/2012	HIGH	13	**17.0**	1.2304
5/10/2012	HIGH	14	1.7	0.2304
7/3/2012	HIGH	15	1.7	0.2304
9/11/2012	HIGH	13	1.7	0.2304
10/24/2012	HIGH	17	1.7	0.2304
12/4/2012	LOW	19	1.7	0.2304
2/6/2013	LOW	20	1.7	0.2304
4/17/2013	LOW	13	7.8	0.8921
5/22/2013	HIGH	15	1.7	0.2304

G-8 Station Report 2013

Station ID: 9

# Samples:	30	**Log Avg:**	0.3354
# > 43 MPN:	0	**Log Std Dev:**	0.2385
# > 260 MPN:	0	**Geomean:**	2.1648
Median:	1.7	**Estimated 90th:**	4

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	17	1.7	0.2304
9/29/2008	HIGH	23	1.7	0.2304
11/12/2008	HIGH	25	2.0	0.301
12/3/2008	HIGH	26	4.5	0.6532
2/11/2009	LOW	21	1.7	0.2304
4/22/2009	HIGH	17	1.7	0.2304
7/1/2009	HIGH	13	1.7	0.2304
8/10/2009	HIGH	15	1.7	0.2304
10/5/2009	HIGH	20	1.7	0.2304
11/24/2009	HIGH	18	1.7	0.2304
2/25/2010	HIGH	10	1.8	0.2553
4/15/2010	LOW	8	1.7	0.2304
6/9/2010	HIGH	6	1.7	0.2304
8/17/2010	HIGH	12	1.7	0.2304
9/14/2010	LOW	13	1.7	0.2304
10/20/2010	HIGH	15	2.0	0.301
3/2/2011	HIGH	15	1.7	0.2304
5/3/2011	HIGH	12	1.7	0.2304
6/7/2011	LOW	10	1.7	0.2304
8/1/2011	HIGH	11	4.5	0.6532
11/30/2011	LOW	9	1.7	0.2304
3/7/2012	HIGH	13	**23.0**	1.3617
5/10/2012	HIGH	14	1.7	0.2304
7/3/2012	HIGH	16	4.5	0.6532
9/11/2012	HIGH	15	1.7	0.2304
10/24/2012	HIGH	17	1.7	0.2304
12/4/2012	LOW	19	2.0	0.301
2/6/2013	LOW	20	2.0	0.301
4/17/2013	LOW	13	4.0	0.6021
5/22/2013	HIGH	15	2.0	0.301

Station ID: 9A

# Samples:	30	**Log Avg:**	0.4423
# > 43 MPN:	1	**Log Std Dev:**	0.3413
# > 260 MPN:	0	**Geomean:**	2.7688
Median:	1.85	**Estimated 90th:**	7

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	20	1.7	0.2304
9/29/2008	HIGH	24	1.7	0.2304
11/12/2008	HIGH	23	1.7	0.2304
12/3/2008	HIGH	25	4.5	0.6532
2/11/2009	LOW	21	1.7	0.2304
4/22/2009	HIGH	17	4.0	0.6021
7/1/2009	HIGH	13	1.7	0.2304
8/10/2009	HIGH	15	4.5	0.6532
10/5/2009	HIGH	20	1.7	0.2304
11/24/2009	HIGH	18	4.5	0.6532
2/25/2010	HIGH	10	1.7	0.2304
4/15/2010	LOW	8	4.5	0.6532
6/9/2010	HIGH	6	1.7	0.2304
8/17/2010	HIGH	12	2.0	0.301
9/14/2010	LOW	12	2.0	0.301
10/20/2010	HIGH	13	4.5	0.6532
3/2/2011	HIGH	15	1.7	0.2304
5/3/2011	HIGH	11	2.0	0.301
6/7/2011	LOW	10	1.7	0.2304
8/1/2011	HIGH	12	**17.0**	1.2304
11/30/2011	LOW	9	2.0	0.301
3/7/2012	HIGH	12	**46.0**	1.6628
5/10/2012	HIGH	14	4.5	0.6532
7/3/2012	HIGH	16	1.7	0.2304
9/11/2012	HIGH	15	1.7	0.2304
10/24/2012	HIGH	18	2.0	0.301
12/4/2012	LOW	19	1.7	0.2304
2/6/2013	LOW	20	1.7	0.2304
4/17/2013	LOW	14	1.7	0.2304
5/22/2013	HIGH	15	7.8	0.8921

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Station ID: 9B

# Samples:	30	**Log Avg:**	0.3921
# > 43 MPN:	1	**Log Std Dev:**	0.4167
# > 260 MPN:	0	**Geomean:**	2.4664
Median:	1.7	**Estimated 90th:**	8

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	20	1.7	0.2304
9/29/2008	HIGH	24	4.5	0.6532
11/12/2008	HIGH	24	2.0	0.301
12/3/2008	HIGH	25	2.0	0.301
2/11/2009	LOW	20	1.7	0.2304
4/22/2009	HIGH	17	1.7	0.2304
7/1/2009	HIGH	12	1.7	0.2304
8/10/2009	HIGH	15	1.7	0.2304
10/5/2009	HIGH	20	1.7	0.2304
11/24/2009	HIGH	18	1.7	0.2304
2/25/2010	HIGH	10	2.0	0.301
4/15/2010	LOW	8	1.7	0.2304
6/9/2010	HIGH	5	1.7	0.2304
8/17/2010	HIGH	12	2.0	0.301
9/14/2010	LOW	12	1.7	0.2304
10/20/2010	HIGH	12	2.0	0.301
3/2/2011	HIGH	15	1.7	0.2304
5/3/2011	HIGH	11	1.7	0.2304
6/7/2011	LOW	11	1.7	0.2304
8/1/2011	HIGH	12	7.8	0.8921
11/30/2011	LOW	9	1.8	0.2553
3/7/2012	HIGH	11	**240.0**	2.3802
5/10/2012	HIGH	13	2.0	0.301
7/3/2012	HIGH	16	1.7	0.2304
9/11/2012	HIGH	14	6.8	0.8325
10/24/2012	HIGH	18	1.7	0.2304
12/4/2012	LOW	19	1.7	0.2304
2/6/2013	LOW	20	2.0	0.301
4/17/2013	LOW	14	4.5	0.6532
5/22/2013	HIGH	14	2.0	0.301

Station ID: 9C

# Samples:	29	**Log Avg:**	0.5215
# > 43 MPN:	1	**Log Std Dev:**	0.4883
# > 260 MPN:	0	**Geomean:**	3.3229
Median:	2	**Estimated 90th:**	14

Date	Tidal Stage	Salinity	FC	Log FC
9/29/2008	HIGH	24	**23.0**	1.3617
11/12/2008	HIGH	23	1.7	0.2304
12/3/2008	HIGH	25	1.7	0.2304
2/11/2009	LOW	20	1.7	0.2304
4/22/2009	HIGH	20	4.5	0.6532
7/1/2009	HIGH	13	1.7	0.2304
8/10/2009	HIGH	16	1.7	0.2304
10/5/2009	HIGH	20	2.0	0.301
11/24/2009	HIGH	17	11.0	1.0414
2/25/2010	HIGH	10	1.7	0.2304
4/15/2010	LOW	9	2.0	0.301
6/9/2010	HIGH	5	1.7	0.2304
8/17/2010	HIGH	12	1.7	0.2304
9/14/2010	LOW	12	2.0	0.301
10/20/2010	HIGH	12	4.5	0.6532
3/2/2011	HIGH	15	2.0	0.301
5/3/2011	HIGH	12	1.7	0.2304
6/7/2011	LOW	11	2.0	0.301
8/1/2011	HIGH	12	7.8	0.8921
11/30/2011	LOW	9	13.0	1.1139
3/7/2012	HIGH	11	**240.0**	2.3802
5/10/2012	HIGH	12	1.7	0.2304
7/3/2012	HIGH	17	4.5	0.6532
9/11/2012	HIGH	14	1.7	0.2304
10/24/2012	HIGH	18	1.7	0.2304
12/4/2012	LOW	18	1.7	0.2304
2/6/2013	LOW	20	1.7	0.2304
4/17/2013	LOW	12	4.0	0.6021
5/22/2013	HIGH	14	11.0	1.0414

G-8 Station Report 2013

Station ID: 10

# Samples:	30	**Log Avg:**	0.2663
# > 43 MPN:	0	**Log Std Dev:**	0.1014
# > 260 MPN:	0	**Geomean:**	1.8465
Median:	1.7	**Estimated 90th:**	2

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	20	1.7	0.2304
9/29/2008	HIGH	24	2.0	0.301
11/12/2008	HIGH	25	1.7	0.2304
12/3/2008	HIGH	26	1.7	0.2304
2/11/2009	LOW	20	1.7	0.2304
4/22/2009	HIGH	17	1.7	0.2304
7/1/2009	HIGH	14	1.7	0.2304
8/10/2009	HIGH	18	1.7	0.2304
10/5/2009	HIGH	20	1.7	0.2304
11/24/2009	HIGH	17	1.7	0.2304
2/25/2010	HIGH	10	2.0	0.301
4/15/2010	LOW	9	1.7	0.2304
6/9/2010	HIGH	5	4.5	0.6532
8/17/2010	HIGH	12	1.7	0.2304
9/14/2010	LOW	15	1.7	0.2304
10/20/2010	HIGH	15	1.7	0.2304
3/2/2011	HIGH	15	1.7	0.2304
5/3/2011	HIGH	10	1.7	0.2304
6/7/2011	LOW	10	1.7	0.2304
8/1/2011	HIGH	11	1.7	0.2304
11/30/2011	LOW	11	2.0	0.301
3/7/2012	HIGH	14	2.0	0.301
5/10/2012	HIGH	16	1.7	0.2304
7/3/2012	HIGH	17	1.7	0.2304
9/11/2012	HIGH	14	4.0	0.6021
10/24/2012	HIGH	18	1.7	0.2304
12/4/2012	LOW	20	1.7	0.2304
2/6/2013	LOW	20	1.7	0.2304
4/17/2013	LOW	14	1.7	0.2304
5/22/2013	HIGH	15	1.7	0.2304

Station ID: 11

# Samples:	30	**Log Avg:**	0.3484
# > 43 MPN:	1	**Log Std Dev:**	0.3479
# > 260 MPN:	0	**Geomean:**	2.2303
Median:	1.7	**Estimated 90th:**	6

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	20	1.7	0.2304
9/29/2008	HIGH	25	2.0	0.301
11/12/2008	HIGH	25	1.7	0.2304
12/3/2008	HIGH	24	**79.0**	1.8976
2/11/2009	LOW	20	1.7	0.2304
4/22/2009	HIGH	16	1.7	0.2304
7/1/2009	HIGH	14	1.7	0.2304
8/10/2009	HIGH	18	1.7	0.2304
10/5/2009	HIGH	20	1.7	0.2304
11/24/2009	HIGH	17	4.5	0.6532
2/25/2010	HIGH	10	13.0	1.1139
4/15/2010	LOW	9	1.7	0.2304
6/9/2010	HIGH	5	1.7	0.2304
8/17/2010	HIGH	14	1.7	0.2304
9/14/2010	LOW	15	1.7	0.2304
10/20/2010	HIGH	15	1.7	0.2304
3/2/2011	HIGH	15	1.7	0.2304
5/3/2011	HIGH	10	1.7	0.2304
6/7/2011	LOW	11	1.7	0.2304
8/1/2011	HIGH	11	2.0	0.301
11/30/2011	LOW	11	1.7	0.2304
3/7/2012	HIGH	14	1.7	0.2304
5/10/2012	HIGH	16	1.7	0.2304
7/3/2012	HIGH	17	1.7	0.2304
9/11/2012	HIGH	15	4.5	0.6532
10/24/2012	HIGH	18	1.7	0.2304
12/4/2012	LOW	20	1.7	0.2304
2/6/2013	LOW	20	1.7	0.2304
4/17/2013	LOW	14	1.7	0.2304
5/22/2013	HIGH	16	1.7	0.2304

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Station ID: 12

# Samples:	30	**Log Avg:**	0.3492
# > 43 MPN:	1	**Log Std Dev:**	0.3477
# > 260 MPN:	0	**Geomean:**	2.2345
Median:	1.7	**Estimated 90th:**	6

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	20	1.7	0.2304
9/29/2008	HIGH	25	1.7	0.2304
11/12/2008	HIGH	23	1.7	0.2304
12/3/2008	HIGH	25	**79.0**	1.8976
2/11/2009	LOW	20	1.7	0.2304
4/22/2009	HIGH	17	1.8	0.2553
7/1/2009	HIGH	14	1.7	0.2304
8/10/2009	HIGH	20	1.7	0.2304
10/5/2009	HIGH	21	1.7	0.2304
11/24/2009	HIGH	17	2.0	0.301
2/25/2010	HIGH	10	2.0	0.301
4/15/2010	LOW	9	1.7	0.2304
6/9/2010	HIGH	5	1.7	0.2304
8/17/2010	HIGH	14	1.7	0.2304
9/14/2010	LOW	15	1.7	0.2304
10/20/2010	HIGH	14	1.7	0.2304
3/2/2011	HIGH	15	1.7	0.2304
5/3/2011	HIGH	10	1.7	0.2304
6/7/2011	LOW	11	1.7	0.2304
8/1/2011	HIGH	12	4.5	0.6532
11/30/2011	LOW	10	1.7	0.2304
3/7/2012	HIGH	13	13.0	1.1139
5/10/2012	HIGH	14	1.7	0.2304
7/3/2012	HIGH	17	1.7	0.2304
9/11/2012	HIGH	15	1.7	0.2304
10/24/2012	HIGH	18	1.7	0.2304
12/4/2012	LOW	19	1.7	0.2304
2/6/2013	LOW	20	1.7	0.2304
4/17/2013	LOW	15	1.7	0.2304
5/22/2013	HIGH	15	4.5	0.6532

Station ID: 12A

# Samples:	30	**Log Avg:**	0.4742
# > 43 MPN:	2	**Log Std Dev:**	0.4941
# > 260 MPN:	0	**Geomean:**	2.9797
Median:	2	**Estimated 90th:**	12

Date	Tidal Stage	Salinity	FC	Log FC
5/7/2008	HIGH	15	2.0	0.301
8/25/2008	LOW	20	1.7	0.2304
9/29/2008	HIGH	26	7.8	0.8921
11/12/2008	HIGH	25	1.7	0.2304
12/3/2008	HIGH	25	**130.0**	2.1139
2/11/2009	LOW	20	1.7	0.2304
4/22/2009	HIGH	17	1.7	0.2304
7/1/2009	HIGH	14	1.7	0.2304
8/10/2009	HIGH	20	1.7	0.2304
10/5/2009	HIGH	22	2.0	0.301
11/24/2009	HIGH	20	2.0	0.301
2/25/2010	HIGH	10	7.8	0.8921
4/15/2010	LOW	9	2.0	0.301
6/9/2010	HIGH	5	1.7	0.2304
8/17/2010	HIGH	14	1.7	0.2304
9/14/2010	LOW	12	1.7	0.2304
10/20/2010	HIGH	12	1.7	0.2304
3/2/2011	HIGH	15	2.0	0.301
5/3/2011	HIGH	10	1.7	0.2304
6/7/2011	LOW	11	1.7	0.2304
8/1/2011	HIGH	13	2.0	0.301
11/30/2011	LOW	10	**14.0**	1.1461
3/7/2012	HIGH	12	**110.0**	2.0414
5/10/2012	HIGH	14	2.0	0.301
9/11/2012	HIGH	15	2.0	0.301
10/24/2012	HIGH	19	4.0	0.6021
12/4/2012	LOW	19	1.7	0.2304
2/6/2013	LOW	20	1.7	0.2304
4/17/2013	LOW	15	2.0	0.301
5/22/2013	HIGH	15	4.0	0.6021

G-8 Station Report 2013

Station ID: 12B

# Samples:	30	**Log Avg:**	0.5239
# > 43 MPN:	1	**Log Std Dev:**	0.4680
# > 260 MPN:	0	**Geomean:**	3.3413
Median:	2	**Estimated 90th:**	13

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	20	1.7	0.2304
9/29/2008	HIGH	26	2.0	0.301
11/12/2008	HIGH	24	1.7	0.2304
12/3/2008	HIGH	24	**23.0**	1.3617
2/11/2009	LOW	20	4.0	0.6021
4/22/2009	HIGH	18	1.8	0.2553
7/1/2009	HIGH	14	2.0	0.301
8/10/2009	HIGH	20	1.7	0.2304
10/5/2009	HIGH	22	2.0	0.301
11/24/2009	HIGH	20	4.5	0.6532
2/25/2010	HIGH	10	4.5	0.6532
4/15/2010	LOW	9	2.0	0.301
6/9/2010	HIGH	5	1.7	0.2304
8/17/2010	HIGH	14	4.0	0.6021
9/14/2010	LOW	10	7.8	0.8921
10/20/2010	HIGH	12	2.0	0.301
3/2/2011	HIGH	15	4.5	0.6532
5/3/2011	HIGH	11	1.7	0.2304
6/7/2011	LOW	11	1.7	0.2304
8/1/2011	HIGH	13	2.0	0.301
11/30/2011	LOW	10	13.0	1.1139
3/7/2012	HIGH	11	**240.0**	2.3802
5/10/2012	HIGH	14	4.5	0.6532
7/3/2012	HIGH	17	2.0	0.301
9/11/2012	HIGH	15	2.0	0.301
10/24/2012	HIGH	19	1.7	0.2304
12/4/2012	LOW	19	1.7	0.2304
2/6/2013	LOW	20	2.0	0.301
4/17/2013	LOW	15	1.7	0.2304
5/22/2013	HIGH	15	13.0	1.1139

Table 11: G-9 Station Report 2013

Station ID: 1

# Samples:	30	**Log Avg:**	0.6110
# > 43 MPN:	2	**Log Std Dev:**	0.4725
# > 260 MPN:	0	**Geomean:**	4.0828
Median:	2	**Estimated 90th:**	16

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	15	1.7	0.2304
9/29/2008	HIGH	26	7.8	0.8921
11/12/2008	HIGH	21	1.7	0.2304
12/3/2008	HIGH	22	7.8	0.8921
2/11/2009	LOW	20	1.7	0.2304
4/22/2009	HIGH	17	4.5	0.6532
7/1/2009	HIGH	15	1.7	0.2304
8/10/2009	HIGH	14	4.5	0.6532
10/5/2009	HIGH	18	2.0	0.301
11/24/2009	HIGH	15	**49.0**	1.6902
2/25/2010	HIGH	8	4.5	0.6532
4/15/2010	LOW	8	13.0	1.1139
6/9/2010	HIGH	10	1.7	0.2304
8/17/2010	HIGH	11	6.8	0.8325
9/14/2010	LOW	10	2.0	0.301
10/20/2010	HIGH	12	4.5	0.6532
3/2/2011	HIGH	13	2.0	0.301
5/3/2011	HIGH	10	2.0	0.301
6/7/2011	LOW	10	2.0	0.301
8/1/2011	HIGH	10	**22.0**	1.3424
11/30/2011	LOW	7	7.8	0.8921
2/27/2012	LOW	15	2.0	0.301
5/10/2012	HIGH	14	1.7	0.2304
6/21/2012	HIGH	12	2.0	0.301
9/11/2012	HIGH	12	**110.0**	2.0414
10/24/2012	HIGH	17	1.7	0.2304
12/4/2012	LOW	18	2.0	0.301
1/23/2013	LOW	18	13.0	1.1139
4/17/2013	LOW	11	4.5	0.6532
5/22/2013	HIGH	15	1.7	0.2304

Station ID: 2

# Samples:	30	**Log Avg:**	0.4514
# > 43 MPN:	0	**Log Std Dev:**	0.2578
# > 260 MPN:	0	**Geomean:**	2.8276
Median:	2	**Estimated 90th:**	6

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	15	1.7	0.2304
9/29/2008	HIGH	24	4.5	0.6532
11/12/2008	HIGH	22	6.8	0.8325
12/3/2008	HIGH	22	4.5	0.6532
2/11/2009	LOW	20	1.7	0.2304
4/22/2009	HIGH	17	4.5	0.6532
7/1/2009	HIGH	15	2.0	0.301
8/10/2009	HIGH	14	6.8	0.8325
10/5/2009	HIGH	18	2.0	0.301
11/24/2009	HIGH	16	2.0	0.301
2/25/2010	HIGH	8	4.5	0.6532
4/15/2010	LOW	8	9.3	0.9685
6/9/2010	HIGH	4	1.7	0.2304
8/17/2010	HIGH	10	1.7	0.2304
9/14/2010	LOW	10	2.0	0.301
10/20/2010	HIGH	12	4.5	0.6532
3/2/2011	HIGH	13	1.7	0.2304
5/3/2011	HIGH	10	2.0	0.301
6/7/2011	LOW	10	1.7	0.2304
8/1/2011	HIGH	8	2.0	0.301
11/30/2011	LOW	6	4.5	0.6532
2/27/2012	LOW	17	1.7	0.2304
5/10/2012	HIGH	13	1.7	0.2304
6/21/2012	HIGH	12	4.5	0.6532
9/11/2012	HIGH	12	11.0	1.0414
10/24/2012	HIGH	17	2.0	0.301
12/4/2012	LOW	17	1.7	0.2304
1/23/2013	LOW	20	4.5	0.6532
4/17/2013	LOW	11	1.7	0.2304
5/22/2013	HIGH	14	1.7	0.2304

G-9 Station Report 2013

Station ID: 3

# Samples:	30	**Log Avg:**	0.7455
# > 43 MPN:	3	**Log Std Dev:**	0.6568
# > 260 MPN:	1	**Geomean:**	5.5655
Median:	3.25	**Estimated 90th:**	38

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	15	4.5	0.6532
9/29/2008	HIGH	22	4.5	0.6532
11/12/2008	HIGH	22	1.7	0.2304
12/3/2008	HIGH	23	4.5	0.6532
2/11/2009	LOW	20	1.7	0.2304
4/22/2009	HIGH	17	1.7	0.2304
7/1/2009	HIGH	15	1.7	0.2304
8/10/2009	HIGH	14	11.0	1.0414
10/5/2009	HIGH	20	1.7	0.2304
11/24/2009	HIGH	17	**240.0**	2.3802
2/25/2010	HIGH	8	6.8	0.8325
4/15/2010	LOW	8	2.0	0.301
6/9/2010	HIGH	4	1.7	0.2304
8/17/2010	HIGH	10	**17.0**	1.2304
9/14/2010	LOW	10	**46.0**	1.6628
10/20/2010	HIGH	15	1.7	0.2304
3/2/2011	HIGH	13	7.8	0.8921
5/3/2011	HIGH	10	13.0	1.1139
6/7/2011	LOW	9	1.7	0.2304
8/1/2011	HIGH	8	**23.0**	1.3617
11/30/2011	LOW	5	13.0	1.1139
2/27/2012	LOW	17	2.0	0.301
5/10/2012	HIGH	10	2.0	0.301
6/21/2012	HIGH	12	1.7	0.2304
9/11/2012	HIGH	12	**540.0**	2.7324
10/24/2012	HIGH	15	1.7	0.2304
12/4/2012	LOW	16	2.0	0.301
1/23/2013	LOW	20	**22.0**	1.3424
4/17/2013	LOW	10	7.8	0.8921
5/22/2013	HIGH	14	2.0	0.301

Station ID: 3B

# Samples:	2	**Log Avg:**	0.4771
# > 43 MPN:	0	**Log Std Dev:**	0.2490
# > 260 MPN:	0	**Geomean:**	3.0000
Median:	3.25	**Estimated 90th:**	6

Date	Tidal Stage	Salinity	FC	Log FC
4/17/2013	LOW	10	4.5	0.6532
5/22/2013	HIGH	14	2.0	0.301

G-9 Station Report 2013

Station ID: 4

# Samples:	30	**Log Avg:**	0.3281
# > 43 MPN:	0	**Log Std Dev:**	0.1698
# > 260 MPN:	0	**Geomean:**	2.1284
Median:	1.7	**Estimated 90th:**	3

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	15	1.7	0.2304
9/29/2008	HIGH	22	4.5	0.6532
11/12/2008	HIGH	22	1.7	0.2304
12/3/2008	HIGH	22	2.0	0.301
2/11/2009	LOW	20	1.7	0.2304
4/22/2009	HIGH	17	2.0	0.301
7/1/2009	HIGH	15	1.7	0.2304
8/10/2009	HIGH	14	2.0	0.301
10/5/2009	HIGH	20	1.7	0.2304
11/24/2009	HIGH	17	6.8	0.8325
2/25/2010	HIGH	6	2.0	0.301
4/15/2010	LOW	8	2.0	0.301
6/9/2010	HIGH	10	1.7	0.2304
8/17/2010	HIGH	10	1.7	0.2304
9/14/2010	LOW	10	1.7	0.2304
10/20/2010	HIGH	15	1.7	0.2304
3/2/2011	HIGH	12	1.7	0.2304
5/3/2011	HIGH	10	4.5	0.6532
6/7/2011	LOW	9	1.7	0.2304
8/1/2011	HIGH	5	4.5	0.6532
11/30/2011	LOW	6	2.0	0.301
2/27/2012	LOW	17	2.0	0.301
5/10/2012	HIGH	14	1.7	0.2304
6/21/2012	HIGH	12	1.7	0.2304
9/11/2012	HIGH	13	2.0	0.301
10/24/2012	HIGH	15	2.0	0.301
12/4/2012	LOW	18	1.7	0.2304
1/23/2013	LOW	20	4.5	0.6532
4/17/2013	LOW	12	1.7	0.2304
5/22/2013	HIGH	14	1.7	0.2304

Station ID: 4A

# Samples:	30	**Log Avg:**	0.5138
# > 43 MPN:	1	**Log Std Dev:**	0.6112
# > 260 MPN:	1	**Geomean:**	3.2644
Median:	1.85	**Estimated 90th:**	19

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	15	1.7	0.2304
9/29/2008	HIGH	22	13.0	1.1139
11/12/2008	HIGH	22	1.7	0.2304
12/3/2008	HIGH	23	1.7	0.2304
2/11/2009	LOW	20	1.7	0.2304
4/22/2009	HIGH	17	1.7	0.2304
7/1/2009	HIGH	16	1.7	0.2304
8/10/2009	HIGH	13	4.5	0.6532
10/5/2009	HIGH	20	1.7	0.2304
11/24/2009	HIGH	17	6.8	0.8325
2/25/2010	HIGH	7	1.7	0.2304
4/15/2010	LOW	8	2.0	0.301
6/9/2010	HIGH	3	1.7	0.2304
8/17/2010	HIGH	10	1.7	0.2304
9/14/2010	LOW	10	1.7	0.2304
10/20/2010	HIGH	15	2.0	0.301
3/2/2011	HIGH	13	4.0	0.6021
5/3/2011	HIGH	10	2.0	0.301
6/7/2011	LOW	10	1.7	0.2304
8/1/2011	HIGH	6	13.0	1.1139
11/30/2011	LOW	6	**33.0**	1.5185
2/27/2012	LOW	18	2.0	0.301
5/10/2012	HIGH	11	1.7	0.2304
6/21/2012	HIGH	12	1.7	0.2304
9/11/2012	HIGH	12	**1700.0**	3.2304
10/24/2012	HIGH	15	1.7	0.2304
12/4/2012	LOW	17	2.0	0.301
1/23/2013	LOW	20	2.0	0.301
4/17/2013	LOW	13	2.0	0.301
5/22/2013	HIGH	14	6.1	0.7853

G-9 Station Report 2013

Station ID: 12

# Samples:	30	**Log Avg:**	0.4029
# > 43 MPN:	1	**Log Std Dev:**	0.4001
# > 260 MPN:	0	**Geomean:**	2.5290
Median:	1.7	**Estimated 90th:**	8

Date	Tidal Stage	Salinity	FC	Log FC
4/10/2008	HIGH	12	**33.0**	1.5185
5/7/2008	HIGH	10	1.8	0.2553
8/25/2008	LOW	15	1.7	0.2304
9/29/2008	HIGH	21	1.7	0.2304
11/12/2008	HIGH	21	1.7	0.2304
12/3/2008	HIGH	23	1.7	0.2304
2/11/2009	LOW	20	1.7	0.2304
4/22/2009	HIGH	17	1.7	0.2304
7/1/2009	HIGH	15	2.0	0.301
8/10/2009	HIGH	13	1.7	0.2304
10/5/2009	HIGH	20	1.7	0.2304
11/24/2009	HIGH	17	**22.0**	1.3424
2/25/2010	HIGH	6	1.7	0.2304
4/15/2010	LOW	8	2.0	0.301
6/9/2010	HIGH	4	1.7	0.2304
8/17/2010	HIGH	10	2.0	0.301
9/14/2010	LOW	10	1.7	0.2304
10/20/2010	HIGH	15	2.0	0.301
3/2/2011	HIGH	13	4.5	0.6532
5/3/2011	HIGH	10	1.8	0.2553
6/7/2011	LOW	8	1.7	0.2304
8/1/2011	HIGH	6	4.5	0.6532
11/30/2011	LOW	5	1.8	0.2553
2/27/2012	LOW	17	2.0	0.301
5/10/2012	HIGH	12	1.7	0.2304
6/21/2012	HIGH	12	1.7	0.2304
9/11/2012	HIGH	12	**54.0**	1.7324
10/24/2012	HIGH	15	1.7	0.2304
12/4/2012	LOW	17	1.7	0.2304
1/23/2013	LOW	20	1.7	0.2304

Station ID: 13

# Samples:	30	**Log Avg:**	0.3677
# > 43 MPN:	1	**Log Std Dev:**	0.3458
# > 260 MPN:	0	**Geomean:**	2.3320
Median:	1.7	**Estimated 90th:**	6

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	15	1.7	0.2304
9/29/2008	HIGH	21	1.7	0.2304
11/12/2008	HIGH	21	1.7	0.2304
12/3/2008	HIGH	24	1.7	0.2304
2/11/2009	LOW	20	1.7	0.2304
4/22/2009	HIGH	18	1.7	0.2304
7/1/2009	HIGH	16	4.5	0.6532
8/10/2009	HIGH	13	1.7	0.2304
10/5/2009	HIGH	20	2.0	0.301
11/24/2009	HIGH	16	2.0	0.301
2/25/2010	HIGH	6	1.7	0.2304
4/15/2010	LOW	7	7.8	0.8921
6/9/2010	HIGH	4	1.7	0.2304
8/17/2010	HIGH	10	1.7	0.2304
9/14/2010	LOW	10	1.7	0.2304
10/20/2010	HIGH	15	1.7	0.2304
3/2/2011	HIGH	12	7.8	0.8921
5/3/2011	HIGH	10	1.7	0.2304
6/7/2011	LOW	8	2.0	0.301
8/1/2011	HIGH	6	1.7	0.2304
11/30/2011	LOW	6	1.7	0.2304
2/27/2012	LOW	18	1.7	0.2304
5/10/2012	HIGH	12	1.7	0.2304
6/21/2012	HIGH	12	1.7	0.2304
9/11/2012	HIGH	12	**79.0**	1.8976
10/24/2012	HIGH	15	1.7	0.2304
12/4/2012	LOW	17	1.7	0.2304
1/23/2013	LOW	20	2.0	0.301
4/17/2013	LOW	12	1.7	0.2304
5/22/2013	HIGH	15	4.5	0.6532

G-9 Station Report 2013

Station ID: 14

# Samples:	30	**Log Avg:**	0.3094
# > 43 MPN:	0	**Log Std Dev:**	0.1538
# > 260 MPN:	0	**Geomean:**	2.0391
Median:	1.7	**Estimated 90th:**	3

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	15	1.7	0.2304
9/29/2008	HIGH	21	1.7	0.2304
11/12/2008	HIGH	22	2.0	0.301
12/3/2008	HIGH	23	1.7	0.2304
2/11/2009	LOW	20	1.7	0.2304
4/22/2009	HIGH	17	1.7	0.2304
7/1/2009	HIGH	16	1.7	0.2304
8/10/2009	HIGH	14	1.7	0.2304
10/5/2009	HIGH	20	1.7	0.2304
11/24/2009	HIGH	16	1.8	0.2553
2/25/2010	HIGH	7	1.7	0.2304
4/15/2010	LOW	8	1.7	0.2304
6/9/2010	HIGH	4	1.7	0.2304
8/17/2010	HIGH	10	1.7	0.2304
9/14/2010	LOW	10	1.7	0.2304
10/20/2010	HIGH	15	2.0	0.301
3/2/2011	HIGH	13	4.5	0.6532
5/3/2011	HIGH	10	1.7	0.2304
6/7/2011	LOW	9	4.0	0.6021
8/1/2011	HIGH	9	1.7	0.2304
11/30/2011	LOW	6	4.5	0.6532
2/27/2012	LOW	19	4.5	0.6532
5/10/2012	HIGH	13	1.7	0.2304
6/21/2012	HIGH	12	1.7	0.2304
9/11/2012	HIGH	12	4.5	0.6532
10/24/2012	HIGH	15	1.7	0.2304
12/4/2012	LOW	18	1.7	0.2304
1/23/2013	LOW	20	2.0	0.301
4/17/2013	LOW	12	2.0	0.301
5/22/2013	HIGH	15	1.7	0.2304

Station ID: 15

# Samples:	30	**Log Avg:**	0.3129
# > 43 MPN:	0	**Log Std Dev:**	0.1998
# > 260 MPN:	0	**Geomean:**	2.0553
Median:	1.7	**Estimated 90th:**	3

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	15	1.7	0.2304
9/29/2008	HIGH	21	2.0	0.301
11/12/2008	HIGH	23	1.7	0.2304
12/3/2008	HIGH	23	1.7	0.2304
2/11/2009	LOW	20	1.7	0.2304
4/22/2009	HIGH	17	1.7	0.2304
7/1/2009	HIGH	16	2.0	0.301
8/10/2009	HIGH	14	1.7	0.2304
10/5/2009	HIGH	20	1.7	0.2304
11/24/2009	HIGH	16	13.0	1.1139
2/25/2010	HIGH	7	2.0	0.301
4/15/2010	LOW	9	4.5	0.6532
6/9/2010	HIGH	10	1.7	0.2304
8/17/2010	HIGH	10	2.0	0.301
9/14/2010	LOW	10	1.7	0.2304
10/20/2010	HIGH	15	1.7	0.2304
3/2/2011	HIGH	12	1.7	0.2304
5/3/2011	HIGH	10	2.0	0.301
6/7/2011	LOW	9	1.7	0.2304
8/1/2011	HIGH	7	1.7	0.2304
11/30/2011	LOW	6	2.0	0.301
2/27/2012	LOW	20	1.7	0.2304
5/10/2012	HIGH	14	1.7	0.2304
6/21/2012	HIGH	12	1.7	0.2304
9/11/2012	HIGH	13	6.8	0.8325
10/24/2012	HIGH	15	2.0	0.301
12/4/2012	LOW	18	1.7	0.2304
1/23/2013	LOW	20	2.0	0.301
4/17/2013	LOW	10	1.7	0.2304
5/22/2013	HIGH	15	1.7	0.2304

G-9 Station Report 2013

Station ID: 16

# Samples:	30	**Log Avg:**	0.3522
# > 43 MPN:	1	**Log Std Dev:**	0.4275
# > 260 MPN:	1	**Geomean:**	2.2502
Median:	1.7	**Estimated 90th:**	7

Date	Tidal Stage	Salinity	FC	Log FC
8/25/2008	LOW	15	1.7	0.2304
9/29/2008	HIGH	21	2.0	0.301
11/12/2008	HIGH	23	1.7	0.2304
12/3/2008	HIGH	24	1.7	0.2304
2/11/2009	LOW	20	1.7	0.2304
4/22/2009	HIGH	18	4.5	0.6532
7/1/2009	HIGH	15	2.0	0.301
8/10/2009	HIGH	14	1.7	0.2304
10/5/2009	HIGH	20	1.7	0.2304
11/24/2009	HIGH	16	4.5	0.6532
2/25/2010	HIGH	8	2.0	0.301
4/15/2010	LOW	9	2.0	0.301
6/9/2010	HIGH	9	1.7	0.2304
8/17/2010	HIGH	10	1.7	0.2304
9/14/2010	LOW	10	1.7	0.2304
10/20/2010	HIGH	15	1.7	0.2304
3/2/2011	HIGH	12	1.7	0.2304
5/3/2011	HIGH	10	1.7	0.2304
6/7/2011	LOW	10	1.7	0.2304
8/1/2011	HIGH	8	1.7	0.2304
11/30/2011	LOW	7	2.0	0.301
2/27/2012	LOW	20	2.0	0.301
5/10/2012	HIGH	14	1.7	0.2304
6/21/2012	HIGH	12	1.7	0.2304
9/11/2012	HIGH	13	**350.0**	2.5441
10/24/2012	HIGH	15	1.7	0.2304
12/4/2012	LOW	18	1.7	0.2304
1/23/2013	LOW	20	2.0	0.301
4/17/2013	LOW	10	1.7	0.2304
5/22/2013	HIGH	15	1.7	0.2304

Table 12: G-8 Station Summary 2013

Summary of sampling data through 5/22/2013. Shaded cells indicate stations in waters closed to shellfish harvest.

Station ID:	# Samples:	Median:	Geomean:	Estimated 90th:
1	30	2	2.9404	9
2	30	7.3	6.6633	37
3	30	1.7	2.0299	3
4	30	1.75	3.0105	11
5	30	1.7	2.1646	4
6	30	1.7	2.0618	4
6A	30	1.7	2.2719	5
7	30	1.7	2.0110	3
8	30	2	3.6507	13
8B	30	1.7	3.4126	12
9	30	1.7	2.1648	4
9A	30	1.85	2.7688	7
9B	30	1.7	2.4664	8
9C	29	2	3.3229	14
10	30	1.7	1.8465	2
11	30	1.7	2.2303	6
12	30	1.7	2.2345	6
12A	30	2	2.9797	12
12B	30	2	3.3413	13

Table 13: G-9 Station Summary 2013

Summary of sampling data through 5/22/2013. Shaded cells indicate stations in waters closed to shellfish harvest.

Station ID:	# Samples:	Median:	Geomean:	Estimated 90th:
1	30	2	4.0828	16
2	30	2	2.8276	6
3	30	3.25	5.5655	38
3B	2	3.25	3.0000	6
4	30	1.7	2.1284	3
4A	30	1.85	3.2644	19
12	30	1.7	2.5290	8
13	30	1.7	2.3320	6
14	30	1.7	2.0391	3
15	30	1.7	2.0553	3
16	30	1.7	2.2502	7