



COMMONWEALTH of VIRGINIA
DEPARTMENT OF HEALTH
DIVISION OF SHELLFISH SANITATION

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PAGAN RIVER
Growing Area # 061
Isle of Wight County
Shoreline Sanitary Survey

Date: 15 July 2015 – *Revised: 27 July 2015*
Survey Period: August 2, 2013 – June 12, 2015
Total Number of Properties Surveyed: 1634
Surveyed by: I.M. Geeson, F.P. Monis, and L.M. Sakach

SECTION A: GENERAL

This survey area extends from Reference Point 62 at Route 703 extended to the Burwell Bay shore at Rushmere to Reference Point 63 at Ballard Marsh, including the James River shoreline between these two points, Pagan River, Williams Creek, Tormentor Creek (excluding Tormentor Lake), Lawson Creek south of Old Stage Highway, Canal Run, Blairs Creek, Mount Holly Creek, Cypress Creek, Little Creek, portions of Champion Swamp (excluding Scotts Factory Pond), Moon Creek, Jones Creek (Town Farm Creek, Carrollton Branch, and Titus Creek), and all of their tributaries. See map for current boundaries.

There is a wide variety of topography in the area. The James River shore is characterized by high bluffs above a narrow beach. The Pagan River and its major tributaries, Cypress Creek, and Jones Creek have rather extensive marshlands. Around their mouths, and continuing upstream a significant distance, the marshlands diminish and the elevation changes from moderate to extreme. The population density is moderate to sparse along the upper drainage basins with greater concentrations in the areas of Burwell Bay, the Town of Smithfield, Battery Park, Rescue, and Carrollton. The economy is based primarily on the Smithfield pork industry, agriculture, and other service oriented businesses in the area.

Meteorological data indicated that the area received a total rainfall of 101.19” for the survey period. A monthly breakdown is as follows:

Aug 2-31, 2103	4.84”	April	6.28”	December	4.11”
September	1.51”	May	3.45”	January 2015	4.15”
October	4.85”	June	3.00”	February	2.59”
November	2.70”	July	3.50”	March	4.19”
December	5.66”	August	3.44”	April	4.97”
January 2014	3.00”	September	14.05”	May	3.45”
February	2.96”	October	1.99”	June 1-12, 2015	6.98”
March	4.77”	November	4.75”		

Since the last survey of this area, a direct discharge of industrial wastes from pork processing plants has been corrected. In addition, Isle of Wight county Landfill is no longer within the survey boundaries.

Growing Area # 63 is heavily sewered in places. A drive through property survey is made in these areas and as well as the inland areas of the watershed formerly included within the growing area boundary.

Copies of Bacteriological, Hydrographic and Shellfish Closure data are available at the area office for review. Copies of the current condemnation notices and maps are available via the Internet at www.vdh.virginia.gov/shellfish/.

This report lists only those properties which have a sanitary deficiency or have other environmental significance. "***DIRECT***" indicates that the significant activity or deficiency has a direct impact on shellfish waters. Individual field forms with full information on properties listed in this report are on file in the Richmond Office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent resurvey of the area. Data in the report is also made available to local health departments and other agencies to address items that may be out of compliance with their regulatory programs.

SECTION B: SEWAGE POLLUTION SOURCES

Final #	Field #	Pollution Type	COMMENT	LAT	LONG	Address	Facility Type	Overall Site Remarks	Contact	Owner	Owner Address	Pollutant Remarks
48	X48	SEWAGE TREATMENT FACILITY, direct	7/24/15	36.963800	-76.560678	12945 Nike Park Road, Carrollton 23314	Business	Treatment consists of sewage pumping, screening, flow equalization, activated sludge aeration, secondary sedimentation, chlorination, dechlorination post aeration, plant outfall, aerobic sludge digestion, and sludge hauling to final disposal.		Robert Finch	PO Box 340, Toano 23168	Final effluent discharges to an unnamed tributary of Titus Creek.
31	E530	CONTRIBUTES POLLUTION, direct	1/30/2015	36.960401	-76.563970	13036 Nike Park Road, Carrollton 23314	Public	Nike Park Recreational Facility	Y	Tony Wilson, Isle of Wight County Government	PO Box 80 17090 Monument Cir., Isle of Wight 23397	Failed treatment system, DEQ repair timeline agreement.
32	E414	CONTRIBUTES POLLUTION, direct	1/7/2015	36.968031	-76.559522	21197 Titus Creek Drive, Carrollton 23314	Dwelling	Addition on back of house built over drainfield.				Ponding visible under house with effluent flowing. Ditch/pipe directing liquid towards marshy ravine within the riparian zone of Jones Creek.
38	E363	CONTRIBUTES POLLUTION, direct	12/4/2014	36.974079	-76.560325	21144 Boundary Road, Carrollton 23314	Dwelling	Mobile home on Lot # 3 in Jones Creek Landing mobile home community.				Effluent observed breaching soil two feet above shoreline and flowing into Jones Creek
2	N199	CONTRIBUTES POLLUTION, indirect	1/23/2015 No GPS			9141 Blounts Corner Road, Smithfield 23430	Dwelling	1 story brown wood siding. 2 persons.				Effluent observed on ground surface.
3	N251	CONTRIBUTES POLLUTION, indirect	4/2/2015	37.019457	-76.642787	8792 Smithfield Apartment Lane, Smithfield 23430	Dwelling	White trailer with green trim. 3 persons.				Effluent observed on ground surface.
4	N267	CONTRIBUTES POLLUTION, indirect	4/2/2015 No GPS			8763 Smithfield Apartment Lane, Smithfield 23430	Dwelling	Gray trailer with blue trim. 5 persons.				Effluent observed on ground surface.
5	N291	CONTRIBUTES POLLUTION, indirect	4/3/2015 No GPS			509 Plantation Lane, Smithfield 23430	Dwelling	2 story cream vinyl with tan shutters.	N			Effluent observed on ground surface.
6	N22	CONTRIBUTES POLLUTION, indirect	4/27/2015	37.024888	-76.654802	207 Oakwood Lane, Smithfield 23430	Dwelling					Effluent erupting at back fence / woodline.
8	71	CONTRIBUTES POLLUTION, indirect	5/14/2015	37.027521	-76.662737	8336 Kings Landing Lane, Smithfield 23430	Dwelling	1 story gray siding with green shutters.				Effluent from septic tank onto ground surface.
12	279	CONTRIBUTES POLLUTION, indirect	2/14/2014	36.986360	-76.653646	15464 Mount Holly Creek Lane, Smithfield 23430	Dwelling	2 persons.				Ponding/ hole in front yard with laundry waste evident.
16	E601	CONTRIBUTES POLLUTION, indirect	3/23/2015	36.979158	-76.584867	19531 Battery Park Road, Smithfield 23430	Dwelling					Saturated area over septic tank and ponding in drainfield.
20	E684	CONTRIBUTES POLLUTION, indirect	4/6/2015	36.997335	-76.574565	20217 Battery Street, Smithfield 23430	Dwelling		N			Failing system in back yard above Pagan River. Owner showed surveyor and has informed local health department with repairs scheduled.
23	E615	CONTRIBUTES POLLUTION, indirect	3/23/2015	36.980254	-76.569180	20370 Hayes Lane, Smithfield 23430	Dwelling	Drainfield on hill above riparian zone.				Ponding behind house in drainfield.
25	E495	CONTRIBUTES POLLUTION, indirect	1/23/2015	36.957729	-76.571733	13190 Doggett Lane, Carrollton 23314	Dwelling	Contact with neighbor/owner of property at 13185 Doggett Lane.	N			Ponding behind house in drainfield.
26	E478	CONTRIBUTES POLLUTION, indirect	1/21/2015	36.955772	-76.565282	13627 Holly Lane, Carrollton 23314	Dwelling		N			Ponding in drainfield on hill above Jones Creek.
29	E490	CONTRIBUTES POLLUTION, indirect	1/23/2015	36.945542	-76.568704	20551 Reynolds Drive, Carrollton 23314	Dwelling		N			Effluent erupting in drainfield in front of house.
30	E450	CONTRIBUTES POLLUTION, indirect	1/9/2015	36.951492	-76.551477	21503 Reynolds Drive, Carrollton 23314	Dwelling		Y			Tenant indicated in broken English that effluent erupts from drainfield following rain events. Evidence of poor drainage and standing water in woods adjacent drainfield.
33	E402	CONTRIBUTES POLLUTION, indirect	12/19/2014	36.969406	-76.549669	21493 Titus Creek Drive, Carrollton 23314	Dwelling		N			Mound in front yard with erupting effluent, towards woods.
34	E373	CONTRIBUTES POLLUTION, indirect	12/5/2014	36.970655	-76.548727	21478 Oak Grove Lane, Carrollton 23314	Dwelling	Tenant directed surveyor to 1260 Oak grove.				Large muddy/saturated area, soil probe hit gravel and pipe.
36	E275	CONTRIBUTES POLLUTION, indirect	11/21/2014	36.973977	-76.558052	12097 Green Wing Drive, Carrollton 23314	Dwelling	Mobile home in Jones Creek Landing mobile home community.				Occupant complained of odor and ponding. Drainfield damp at time of inspection.
40	E28	CONTRIBUTES POLLUTION, indirect		36.985554	-76.547921	22001 Johnson Lane, Carrollton 23314	Dwelling		N			Overflowing septic tank in rear of house, pit in front right of house with standing effluent.
41	E261	CONTRIBUTES POLLUTION, indirect	12/5/2014	36.987600	-76.551335	11102 Smiths Neck Road, Carrollton 23314	Dwelling		N			Large muddy/saturated area, soil probe hit gravel and pipe.
42	E49	CONTRIBUTES POLLUTION, indirect	6/27/2014	36.988649	-76.547260	22537 James River Drive, Carrollton 23314	Dwelling		Y			Trees uprooted and ruptured drainfield. Dry during survey. Owner says repairs are scheduled and local health department is aware.
24	E503	CONTRIBUTES POLLUTION (kitchen or laundry wastes), direct	1/23/2015	36.956465	-76.577021	20230 Waterfront Lane, Carrollton 23314	Dwelling		N			Pipe recently buried/dug from garage, through retaining wall and discharged into Jones Creek.

SECTION C: NONSEWAGE WASTE SITES

Final #	Field #	Pollution Type	COMMENT	LAT	LONG	Address	Facility Type	Overall Site Remarks	Contact	Owner	Owner Address	Pollutant Remarks
19	M6	INDUSTRIAL WASTES, direct	4/20/2015	36.997443	-76.575337	10002 Newport Street, Battery Park 23304	Business	Seafood shucker packer (VA-984SP). DEQ VPDES Permit # VAG 523052.		Joe Melzer, Pagan River / Dockside Seafood		Processing wastes and floor drains discharge into the Pagan River.
7	N57	SOLID WASTE DUMPSITE, indirect	4/28/2015	37.028630	-76.658752	8196 Old Stage Highway, Smithfield 23430	Public		N	Wrenn's Mill Convenience Center		Locked, gated solid waste site.

SECTION D: BOATING ACTIVITY

Final #	Field #	Pollution Type	COMMENT	LAT	LONG	Address	Facility Type	Overall Site Remarks	Contact	Owner	Owner Address	Pollutant Remarks
13	M1	BOATING ACTIVITY	4/20/2015	36.982908	-76.629588	104 Commerce Street, Smithfield 23430	Marina		N	Pagan River Townhouses		Sanitary facilities are provided in the residences, and sewage disposal is to HRSD.
14	M2	BOATING ACTIVITY	4/20/2015	36.982376	-76.622456	415 South Church Street, Smithfield 23430	Marina			Smithfield Station		Sewage disposal is to HRSD.
17	M3	BOATING ACTIVITY	4/20/2015	36.995272	-76.582433	903 Gatling Pointe Parkway, Smithfield 23430	Marina			Gatling Pointe Marina		Sewage disposal is to HRSD.
44	M4	BOATING ACTIVITY	4/20/2015	36.994969	-76.562238	21091 Marina Road, Rescue 23424	Marina			Rescue Yacht Basin		Septic tank and drainfield satisfactory at inspection.
46	M5	BOATING ACTIVITY	4/20/2015	36.998325	-76.566041	10230 Brown's Marina Road, Rescue 23424	Marina			Brown's Marina		Septic tank and drainfield satisfactory at inspection.
37	M7	BOATING ACTIVITY	4/20/2015	36.973215	-76.560250	21206 Wood Duck Drive, Carrollton 23314	OPWBM			Jones Creek Landing		Septic tank and drainfield satisfactory at inspection.
39	M8	BOATING ACTIVITY	4/20/2015	36.974820	-76.562835	Boundary Road, Carrollton 23314	OPWBM			Jones Creek Public Boat Ramp		Septic tank and drainfield satisfactory at inspection.
43	M9	BOATING ACTIVITY	4/20/2015	36.994961	-76.561910	21088 Marina Road, Rescue 23424	OPWBM	Closed / for sale.		Captain Chuck a Muck's, aka Lawrence Boat works.		Septic tank and drainfield satisfactory at inspection.
45	M10	BOATING ACTIVITY	4/20/2015	36.994613	-76.563162	Across Jones Creek from Chuck a Muck's; NW side of Rt. 704 Rescue bridge.	OPWBM	"Joe's Dock"				Work vessels associated with Joe Melzer, Pagan River/ Dockside Seafood moor here. No facilities.
47	M6A	BOATING ACTIVITY	4/20/2015	36.997443	-76.575337	10002 Newport Street, Battery Park 23304	OPWBM			Joe Melzer, Pagan River / Dockside Seafood		Septic tank and drainfield satisfactory at inspection.

SECTION E: CONTRIBUTES ANIMAL POLLUTION

Final #	Field #	Pollution Type	COMMENT	LAT	LONG	Address	Facility Type	Overall Site Remarks	Contact	Owner	Owner Address	Pollutant Remarks
1	N67	CONTRIBUTES ANIMAL POLLUTION, indirect	10/2/2013 No GPS			16303 Morgarts Beach Road, Smithfield 23430	Business	Present at time of survey were 30 horses.		Foxtail Farm		Horses confined to two barns and two pastures adjacent to Morgarts Beach Road. Manure is left in pastures.
9	87	CONTRIBUTES ANIMAL POLLUTION, indirect	5/14/2015	37.015015	-76.657850	15400 Mokete Trail, Smithfield 23430	Dwelling	3 story brick with tan trim. Present at time of survey were 5 to 10 horses.				Waste disposal unknown.
10	N230	CONTRIBUTES ANIMAL POLLUTION, indirect	2/6/2015 No GPS			9292 Goodrich Lane, Smithfield 23430	Agriculture	Present at time of survey were 18 cows and 9 calves.				Cows confined to pasture adjacent to Goodrich Lane. Manure is left in pastures.
11	N58	CONTRIBUTES ANIMAL POLLUTION, indirect	4/28/2015	36.998397	-76.638036	10471 Berry Hill Farm Lane, Smithfield 23430	Agriculture	3500 hogs, 65 cattle.				Hog waste lagoon and nitrogen management plan via DEQ permit issued to Jerry Dashiell. Manure is left in pasture.
15	329	CONTRIBUTES ANIMAL POLLUTION, indirect	12/12/2014	36.951023	-76.630161	13477 Great Spring Road, Smithfield 23430	Agriculture	Present at time of survey were approximately 40 cattle confined to fenced pastures.	N		13503 Great Spring Road, Smithfield 23430	No trespassing sign posted. Waste disposal is unknown.
18	E636	CONTRIBUTES ANIMAL POLLUTION, indirect	3/23/2015	36.993468	-76.575788	20420 Todd Avenue, Smithfield 23430	Dwelling	Present at time of survey were approximately 25 chickens.	N			Coups located about 100 feet from riparian zone.
21	E698	CONTRIBUTES ANIMAL POLLUTION, indirect	4/6/2015	36.993643	-76.571323	20626 Rescue Road, Smithfield 23430	Dwelling	Present at time of survey were approximately 20 horses and 4 zebra.	N	Oak Crest Farm		Waste disposal is unknown.
22	E702	CONTRIBUTES ANIMAL POLLUTION, indirect	4/6/2015	36.992826	-76.566613	20844 Rescue Road, Smithfield 23430	Dwelling	Present at time of survey were approximately 20 dogs and at least 12 chickens.				Manure is left on ground.
27	E479	CONTRIBUTES ANIMAL POLLUTION, indirect	1/23/2015	36.949158	-76.564123	21097 Reynolds Drive, Carrollton 23314	Business	Horse farm. Present at time of survey were 31 horses.		Freedom Farm		Manure is collected and offered free to the public.
28	E481	CONTRIBUTES ANIMAL POLLUTION, indirect	1/23/2015	36.948153	-76.567222	20595 Reynolds Drive, Carrollton 23314	Dwelling	Present at time of survey were approximately 20 fowl and 20 cattle.	N			Waste disposal is unknown.
35	E410	CONTRIBUTES ANIMAL POLLUTION, indirect	1/7/2015	36.971028	-76.553426	21383 Titus Creek Drive, Carrollton 23314	Business	Horse farm. Present at time of survey were 36 horses.		Amazing Grace Stables		Manure is collected and removed via dump truck.

SUMMARY

Growing Area # 061
Pagan River
15 July 2015 – Revised: 27 July 2015

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

- 1 – DIRECT – # 48
- 0 – INDIRECT – None
- 1 – B.1. TOTAL

2. ONSITE SEWAGE DEFICIENCIES – Correction of deficiencies in this section is the responsibility of the local health department.

- 3 – CONTRIBUTES POLLUTION, DIRECT – # 31, 32, 38,
- 20 – CONTRIBUTES POLLUTION, INDIRECT – # 2, 3, 4, 5, 6, 8, 12, 16, 20, 23, 25, 26, 29, 30, 33, 34, 36, 40, 41, 42
- 0 – CP (Kitchen or Laundry Wastes), DIRECT – None.
- 1 – CP (Kitchen or Laundry Wastes), INDIRECT – # 24
- 0 – NO FACILITIES, DIRECT – None.
- 0 – NO FACILITIES, INDIRECT – None.
- 24 – B.2. TOTAL

3. POTENTIAL POLLUTION – Periodic surveillance of these properties will be maintained to determine any status change.

- 0 – POTENTIAL POLLUTION – # None.

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

- 1 – DIRECT – # 19
- 0 – INDIRECT – None.
- 1 – C.1. TOTAL

2. SOLID WASTE DUMPSITES

- 0 – DIRECT – None.
- 1 – INDIRECT – # 7
- 1 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

- 5 – MARINAS – # 13, 14, 17, 44, 46
- 5 – OTHER PLACES WHERE BOATS ARE MOORED – # 37, 39, 43, 45, 47
- 0 – UNDER SURVEILLANCE – None.
- 10 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

- 0 – DIRECT – None.
- 11 – INDIRECT – # 1, 9, 10, 11, 15, 18, 21, 22, 27, 28, 35
- 11 – E. TOTAL

Virginia Department of Health
Division of Shellfish Sanitation

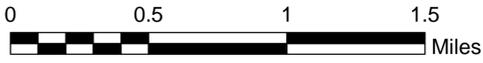
Pagan River
Growing Area # 61
Shoreline Sanitary Survey

Isle of Wight County

Date: 15 July 2015 - Revised 27 July 2015

Survey By: I.M. Geeson, F.P. Monis,
& L.M. Sakach

Number of Properties Surveyed: 1634



Legend

- Sampling Station - New
- Sampling Station - Historical
- Sewered areas
- DGIF Boat Ramps

Shoreline Survey Deficiencies

- Sewage Treatment Facility - Direct
- Sewage Treatment Facility - Indirect
- Contributes Pollution - Direct
- Contributes Pollution - Indirect
- Contributes Pollution (Kitchen or Laundry wastes) - Direct
- Contributes Pollution (Kitchen or Laundry wastes) - Indirect
- No Facilities - Direct
- No Facilities - Indirect
- Potential Pollution
- Industrial Wastes, Direct
- Industrial Wastes, Indirect
- Solid Waste Dumpsite - Direct
- Solid Waste Dumpsite - Indirect
- Boating Activity
- Contributes Animal Pollution - Direct
- Contributes Animal Pollution - Indirect

