

Appendix A

Vermont Subsurface Disposal Wastewater Regulations

VERMONT SUBSURFACE DISPOSAL WASTEWATER REGULATIONS

1.0 General

Similar to the town-wide needs assessment, the field data collected as part of the parcel level assessment is compared to the requirements of the State of Vermont's subsurface disposal wastewater regulations. These regulations are in place to protect public health and the environment from potential contamination from soil-based wastewater treatment and disposal systems.

The limits set in the regulations are used to determine whether the current and projected build-out development on a specific parcel could meet current regulations. As documented in the town-wide needs assessment and the detailed needs assessment, there are a number of cases where the current on-site wastewater treatment and disposal system does not comply with these standards. That does not necessarily mean the system is likely to fail or is causing environmental harm. How a system performs depends greatly on the rate of wastewater flows, the type of soil and other site factors. It does mean that the current use of these parcels would not be permitted if the parcel was being developed today as a virgin site.

Vermont has "delegated authority" from US EPA to regulate the Clean Water Act (along with other federal environmental standards). Therefore, Vermont's regulations supersede US EPA regulations and are as stringent or more stringent than the federal standards. These state regulations are generally referred to as the "Environmental Protection Rules or (EPRs)" for small scale soil-based wastewater treatment and disposal systems and the "Indirect Discharge Rules or (IDRs)" for large scale soil-based wastewater treatment and disposal systems.

An overview of Vermont's subsurface disposal wastewater regulations are summarized below to provide a basis for the criteria used for evaluating each parcel that received a detailed on-site assessment.

1.1 Environmental Protection Rules

General

Design standards for flows, sewer connections, and wastewater disposal systems with **design flows of less than 6,500 gallons/day (gpd)** are provided in the ***Vermont Environmental Protection Rules, Chapter 1: Wastewater System and Potable Water Supply Rules*** (the "Environmental Protection Rules"). The latest revision to the Environmental Protection Rules became effective on September 29, 2007 and can be found at the following link:

<http://www.anr.state.vt.us/dec/ww/Rules/OS/2007/FinalWSPWSRuleEffective20070929.pdf>.

These rules regulate flows, minimum site conditions, design criteria, technical standards, and use of innovative/alternative technologies. They are rather prescriptive in their approach, dictating design parameters for most conventional gravity-based and pressure-based wastewater treatment and disposal systems.

A summary of the regulations follows:

Design Wastewater Flows

Design wastewater flows are determined using **Tables 1, 2 and 3** under **Section §1-808(f)** (copy attached for reference).

Flows for alternatives involving individual residential on-site systems are calculated based on the following:

- The design flow for each person shall be 70 gallons per day per person.
- The first three bedrooms shall assume to have two persons per bedroom.
- Each additional bedroom may be assumed to have one person per bedroom.
- The design flow for a single family home on its own lot shall be based on a minimum of two bedrooms.

When five or more single family homes are connected to a single soil based system, the design flow can be based on the flow values in **Table 1**, which is based on the number of residential units without regard for the number of bedrooms.

When twenty or more units are connected to a single soil based system, the design flows are based on number of residential units times 245 gallons per day per unit without regard for the number of bedrooms.

Single family home connections to a cluster or community wastewater disposal system with a design capacity of at least 50,000 gallons per day may use a design flow of 210 gallons per unit per day, regardless of the number of bedrooms.

For non-residential flows, design flows based on the type of use of the non-residential user. A 10% reduction in non-residential design flow may be used when the plumbing fixtures include standard water saving designs (toilets @ 3.5 gallons/flush or less and showers and faucets @ 2 gallons/minute or less). A 20% reduction in non-residential design flow can be given for connections to a cluster or community wastewater disposal system with a design capacity of 50,000 gallons or greater. The 10% and 20% reductions cannot be used together.

When a collection or building sewer exceeds 500 feet in total length, the design flow shall include an allowance for infiltration. Infiltration for new collection systems shall be estimated at 300 gallons/inch of diameter/mile of pipe/day. Infiltration is not accounted for in pressure pipes (STEP, grinder or other forcemain pipes).

Minimum Site Conditions

The table in **Section §1-807** of the Environmental Protection Rules provides the minimum horizontal isolation distances from a leach field, septic tank and sewer line to specific environmental and other features (copy attached for reference).

The rules require the following minimum vertical conditions:

- Minimum separation of 36" to seasonal high water table from bottom of infiltrative surface
- Minimum separation of 48" to bedrock from bottom of infiltrative surface
- Maximum slope of 30%

The rules allow a site with lesser depth to bedrock and seasonal high water from the ground surface using the Prescriptive, Enhanced Prescriptive or Performance Based approaches. Springtime groundwater level monitoring may also be performed to prove actual depth to seasonal high groundwater.

Design Criteria and Technical Standards

The Environmental Protection Rules define the design criteria and technical standards for wastewater treatment and disposal systems including the following:

- Septic tanks
- Grease tanks
- Dosing and pressure distribution
- Absorption beds
- Absorption trenches
- Filtrate systems
- Spray disposal systems
- Site modifications
- Mound systems
- Subsurface drip distribution
- At-grade systems
- Sand filter systems
- Constructed wetlands
- Holding tanks
- Store and dose systems
- Two-year time of travel systems
- Composting systems
- Incinerating toilets
- Innovative/Alternative Systems

The area required for a subsurface disposal system is determined by the soils percolation rate and design criteria of the chosen disposal system type. New systems (except mound systems) are required to provide an area reserved for a future replacement system that meets the rules. A replacement system for existing flows is not considered a "new" system and does not require a future replacement area.

Innovative/Alternative Technologies (Filtrate Systems)

The Environmental Protection Rules allow the use of innovative/alternative technologies as described in **Sections §1-1001, §1-1002 and §1-1003** (copy attached for reference). The rules define the use of pre-approved technologies for general use and allow pilot projects, experimental designs and an application process for approving new alternative technologies. There are many different types of innovative/alternative wastewater treatment and disposal systems approved for general use.

Under the filtrate disposal section, the Environmental Protection Rules allow a doubling of the disposal system application rate over conventional septic tank effluent systems for innovative/alternative systems that treat effluent to a standard of 30 mg/l BOD₅ and 30mg/l TSS or better. The doubled application rate reduces the required area of the disposal system in half over a conventional system. Filtrate systems also allow the reduction of the required depth to bedrock from

48" to 36" and depth to seasonal high water table from 36" to 24" from the bottom of the infiltrative surface.

Best Fix Systems

For existing developed properties, the Environmental Protection Rules allow "best fix" replacement systems for failed systems under certain conditions. Best fix replacement systems do not need to meet all of the requirements for site conditions in the rules, but need to come as close to the rules as the site allows. The applicant must first prove that a complying system cannot be sited on the property or off-site on a nearby property. Best fix systems are only permitted for existing flows. New construction, subdivisions, or changes in use (that increase design flows) are not allowed for best fix systems.

1.2 Indirect Discharge Rules

General

Wastewater treatment and disposal systems with **design flows of 6,500 gallons/day (gpd) or greater** are regulated under ***Vermont Environmental Rules, Chapter 14: Indirect Discharge Rules*** (the "Indirect Discharge Rules"). The latest revision to the Indirect Discharge Rules became effective on April 30, 2003 and can be found at the following link:

<http://www.anr.state.vt.us/dec/ww/indirect.htm>

These rules regulate minimum site conditions, effects of aquatic biota of the receiving waters, water quality standards, design criteria, and technical standards for treatment and disposal systems which use soil as the final disposal means.

Design Wastewater Flows

Design flows are determined using ***Section §1-808(f)*** of the Environmental Protection Rules as described above.

Permitting Requirements

As part of the permitting requirements, the applicant must demonstrate that the new discharge:

- Will not significantly alter the aquatic biota of the receiving waters;
- Will not pose more than a negligible risk to public health; will be consistent with existing and potential beneficial uses of the waters; and
- Will not violate Water Quality Standards.

The larger a proposed system is, the more likely it is to trigger additional hydrogeological and biological testing and monitoring requirements. Permits issued under the Indirect Discharge Rules typically include effluent monitoring and down gradient groundwater monitoring requirements.

Table 1.1 provides a summary of the methods for determining compliance with the aquatic permitting criteria.

**Table 1.1
Methods for Determining Compliance with Aquatic Permitting Criteria**

Maximum Design Capacity	Compliance Method	Stream Sampling Required	Renovated Effluent Sampling Required
20,000 gpd	Dilution or Treatment Index	No	No
30,000 gpd	Modified Site Specific	Yes	No
No Limit	Site Specific or Alternative Demonstration	Yes	Yes

Treatment Requirements

The Indirect Discharge Rules have minimum treatment requirements prior to disposal of effluent based on the design flow capacity and disposal method. Table 1.2 provides a summary of minimum treatment requirements.

**Table 1.2
Minimum Treatment Requirements**

Design Capacity	Disposal Method	Minimum Treatment Required
6,500 – 30,000 gpd	Leach Field	Primary (Septic Tank)
30,001 – 50,000 gpd	Leach Field	Secondary+1
50,001 gpd or greater	Leach Field	Tertiary
6,500 gpd or greater	Spray Field	Secondary

Table 1.3 lists the effluent limitations specified in permits for each treatment level.

**Table 1.3
Effluent Limits**

Parameter	Effluent Limitation by Treatment Level			
	Primary (Septic Tank)	Secondary	Secondary+1	Tertiary
Biological Oxygen Demand ⁽¹⁾	---	30 mg/l	15 mg/l	10 mg/l
Total Suspended Solids (TSS)	---	30 mg/l	15 mg/l	10 mg/l
Total Dissolved Phosphorous	---	---	---	0.5 mg/l
Total Kjeldahl Nitrogen	---	---	---	5 mg/l
Ammonia	---	---	---	1 mg/l
Nitrate Nitrogen	---	---	---	5 mg/l
Total Nitrogen	---	---	---	---

⁽¹⁾ 5-Day Biological Demand (BOD₅)

Disposal System Requirements

Conventional absorption trench leachfields and mound systems are the only types of disposal systems permitted.

Unlike the Environmental Protection Rules loading rates and disposal system sizing for systems of 6,500 gpd or greater are not based on percolation tests, but the classified soil type using **Section §14-1101, Table #19: Leachfield Loading Rates** (copy attached for reference). The Indirect Discharge Rules also require dual alternating disposal systems be constructed each at 100% design flow capacity. While one system is in operation, the other system is resting. The systems are alternated annually.

§1-808(f) Design Flow

- (f) A soil-based disposal system constructed to serve a new project, or a project with an increase in design flow may be reduced in size when composting or incinerating toilets are used. Systems for residential units will be granted a 25% reduction. The reduction in size for other systems will be determined on a case by case basis.

- (g) For potable water supplies that are not public water supplies, design flows shall be determined using this section of the Rules. For water supplies that are public water supplies, design flow shall be determined in accord with Section 2.2 and Table A2-1 of the Vermont Water Supply Rules. The design flow for a water supply may be different than wastewater design flows if the water supply is a public water supply. The design flow for the potable water supply may also differ from the wastewater design flow when the design basis of the two systems is different. Examples include:
 - (1) The wastewater flow is based on a connection to a wastewater system with a design capacity of 50,000 gallons per day or more and the water supply is an individual supply.

 - (2) The wastewater flow is based on connection of 5 or more units into a single wastewater system and the water supply is an individual supply for each unit.

Note: In the event of a conflict between these Rules and the Water Supply Rules, these Rules shall govern if the potable water supply is not a public water supply.

Table 1

Design Flow for Residential Units

- (a) The design flow for single family residential units shall be calculated on the following requirements:
 - (1) The design flow for each person shall be 70 gallons per person per day;

 - (2) the first three bedrooms shall be assumed to have two persons per bedroom;

 - (3) each additional bedroom may be assumed to have one person per bedroom. When a building will be subject to rental use or when it is likely there will be extended or frequent high occupancy use, the system should be sized for at least 2 persons per bedroom; and

 - (4) the design flow for a single-family residence on its own individual lot shall be based on a minimum of two bedroom.

- (b) When five or more single family residential units are connected to a single soil-based disposal system, a designer may choose to use the following design flows that are based only on the number of residential units without regard for the number of bedrooms:

§1-808 Design Flow Table 1 – Continued

Number of Single Family Units	Project Design Flow
5 units	1575 gallons per day
6 units	1830 gallons per day
7 units	2065 gallons per day
8 units	2280 gallons per day
9 units	2565 gallons per day
10 units	2800 gallons per day
11 units	3036 gallons per day
12 units	3264 gallons per day
13 units	3484 gallons per day
14 units	3696 gallons per day
15 units	3900 gallons per day
16 units	4112 gallons per day
17 units	4369 gallons per day
18 units	4518 gallons per day
19 units	4712 gallons per day
20 units	4900 gallons per day
20+ units	# of units X 245 gallons per day

Note: Single family residential units with only one bedroom, such as condominiums and apartment buildings will not benefit from the use of the design flows listed above. Single family residential units, with two bedrooms each, will benefit from use of the table when 11 or more units are connected to a single soil-based disposal system.

Note: Wastewater disposal systems with a design capacity of 6500 GPD or more may also require an Indirect Discharge Permit.

- (c) Single family residential units connected to a wastewater disposal system with a design capacity of at least 50,000 gallons per day may use a design flow of 210 gallons per unit per day, regardless of the number of bedrooms.
- (d) There is no reduction allowed in Table 1 design flows based on the use of low flow plumbing fixtures as the design flow assumes their use.
- (e) Multi-unit elderly housing projects may be calculated on 1.5 person per unit

§1-808 Design Flow

Table 2

Campgrounds (also see camps)	Open 7 mo/yr Or Less	Open more than 7 mo/yr
Campgrounds that allow only tents and camping units with no interior plumbing		
Central toilets and showers 4 people per site	75 gpd/site	100 gpd/site
Campgrounds that allow only tents and camping units with no interior plumbing		
Central toilets without showers 4 people per site	60 gpd/site	75 gpd/site
Campground sites that allow camping units with interior plumbing		
Served by central toilet facilities and dumping stations	50 gpd/site for central facilities plus 25 gpd/site for the dumping station	90 gpd/site for central facilities plus 35 gpd/site for the dumping station
Served by an individual sewer hook-up	75 gpd/site	125 gpd/site
Seasonal RV site with individual sewer hook-up		
RV owned by the occupant	75 gpd/site	125 gpd/site
RV not owned by the occupant	125 gpd/site	175 gpd/site
Cabins with RV type plumbing		
4 people per site	125 gpd/site	175 gpd/site
Cabins with conventional plumbing Minimum of 4 people per site		
With or without kitchen	50 gpd/person	50 gpd/person
With or without kitchen but with laundry facilities	70 gpd/person	70 gpd/person

§1-808 Design Flow**Table 2 – Continued**

Campgrounds	Open 7 mo/yr Or Less	Open more than 7 mo/yr
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Park Model RV

For first bedroom	140 gpd/site	140 gpd/site
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For additional bedroom	100 gpd/site	140 gpd/site
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**Mobile home used as vacation
facilities**

For first bedroom	140 gpd/site	140 gpd/site
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For additional bedrooms	100 gpd/site	140 gpd/site
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Note: There is no reduction allowed in Table 2 design flows based on the use of low flow plumbing fixtures as the design flow assumes their use.

§1-808 Design Flow

Table 3

OTHER ESTABLISHMENTS	GALLONS/PERSON/DAY ^{a,b} (unless otherwise noted)
Assembly Areas, Conference Room	5
Airports (per passenger)	5
Bathhouses and Swimming Pools	5
Bowling Alley (no food service)(per lane)	75
Cafeterias (per seat)	50
Camps: Construction camps (semi permanent)	50
Day camps (no meals served)	15
Resort Camps (Night & Day) with limited plumbing ...	50
Churches: Sanctuary seating x 25%	5
Church suppers	8
Country Clubs (per resident member)	100
Country Clubs (per non resident member present)	25
Day Care Centers:	
Without meals:	15
With one meal:	20
With two meals:	25
Dentists:	
Staff Member	35
Per Chair	200
Doctor's Office:	
Staff Member	35
Patient.....	10
Room Rentals:	
Boarding Houses	50
Addition for non resident boarders	10

§1-808 Design Flow

Table 3- Continued

GALLONS/PERSON/DAY a, b
(unless otherwise noted)

Rooming Houses (per occupant bed space)	40
Factories (gallons per person, per shift, exclusive of industrial waste).....	15
Gyms: Per Participant.....	10
Spectator	3
Hairdressers: Operator	10
Per Chair	150
Hospitals (per bed space)	250
Hotels with Private Baths(per person sleeping space) ^c	50
Institutions other than hospitals (per bed).....	125
Laundries, self service (gallons per machine)	500
Mobile Home Parks:	
For wastewater systems serving 4 or fewer trailers (per space)	450
For wastewater systems serving 5 or more trailers (per space)	250
Motels with bath, toilet (per person sleeping space) ^c	50
Picnic Parks (toilet wastes only/picnicker)	5
Restaurants (toilet and kitchen wastes/seat, including restaurant and bar seats)	30
Additional per seat for restaurant serving 3 meals per day	15
Restaurants (fast food - see cafeterias).....	50
Schools:	
Boarding	100
Day, without gyms, cafeterias, or showers	15
Day, with gyms, cafeterias, and showers	25
Day, with cafeteria, but without gyms or showers ...	20

§1-808 Design Flow

Table 3-Continued

GALLONS/PERSON/DAY ^{a,b}
(unless otherwise noted)

Service Stations (first set of gas pumps)	500
(each set thereafter)	300
Sewer Line Infiltration ^d (where applicable)	300 gal/in pipe/dia/mile/day
Shopping Centers/Stores: ^c	
Large Dry Goods	5 GPD/100 ft ²
Large Supermarkets with meat department without garbage grinder	7.5 GPD/100 ft ²
Large Supermarkets with meat department with garbage grinder	11 GPD/100 ft ²
Small Dry Good Stores (in shopping centers)	100 GPD/store
Theaters:	
Movie (per auditorium seat).....	5
Drive in (per car space)	5
Veterinary Clinic (3 or less doctors):	
without animal boarding	750/clinic
with animal boarding	1,500/clinic
Workers:	
Construction (at semi permanent camps)	50
Day at schools and offices (per shift)	15

Note: These Rules change design flows for certain categories. It may be possible to add more residential or camping units to an existing potable water supply and/or wastewater system when the supply and/or system conform to current design requirements.

^a Use eighty (80) percent of design flows for projects to be connected to a wastewater system with a design capacity of 50,000 gallons per day or greater. Note that this design flow reduction applies only to the wastewater flow and DOES NOT apply to a project's associated potable water supply design flows if the water supply is regulated as a public transient, non-transient, or community water supply.

^b A 10% reduction in the design flow may be used when the plumbing includes standard water saving designs. Toilets must be 3.5 gallons per flush or less and showers and faucets must be 2 gallons per minute or less

^c Does not include laundry or restaurant waste.

^d The infiltration design flow is not reduced when water saving plumbing fixtures are used or when a connection is made to a wastewater system with a design flow of 50,000 gallons per day or greater. Any reduction shall be based the requirements of subsection 1-808(e) of this section.

Note: Elderly housing may be calculated at 1.5 people per bedroom

§1-807 Isolation Distances

(a) All wastewater systems that are permitted under this Subchapter shall be designed so that they meet the following isolation distances:

Minimum Isolation Distances Item	Horizontal Distance (feet)		
	Leachfield	Septic Tank	Sewer
Drilled well	(b)	50	50
Gravel pack well, shallow well or spring	(b)	75	75
Lakes, ponds, and impoundments	50 ¹	25	25
River, streams	50	25	10
Drainage swales, roadway ditches	25	--	--
Main or municipal water lines	50	50	(d)
Atmospheric Water Storage Tanks	50	50	50
Service water lines	25	25	(d)
Roadways, driveways, parking lots	10	5	(c)
Top of embankment, or slope greater than 30%	25	10	--
Property line (a)	25 ²	10	10
Trees	10	10	10
Other disposal field or replacement area	10 ³	--	--
Foundation, footing, or curtain drains	35 ⁴	10	--
Public Community Water Supply (e)	(f)	(f)	(f)
Suction water line	100	50	50

These distances may be reduced when evident that the distance is unnecessary to protect an item or increased if necessary to provide adequate protection.

Note: See footnotes and criteria on the following page.

§1-807 Isolation Distances

Footnotes (General Criteria Regarding Isolation Distances)

- (a) Isolation distances apply regardless of property line location and ownership.
- (b) Separation between potable water supplies and leachfields shall be determined by the methods in the Vermont Water Supply Rule, Appendix A, Part 11, §11.4.
- (c) Sewers under roads, driveways, or parking lots may require protective conduits or sleeves.
- (d) Separation of pressure water lines considered as "service connections" and sewer lines shall adhere to the Vermont Plumbing Rules. Separation of pressure water lines (considered to be part of a public water system as defined by the Vermont Water Supply Rule) and sewer lines shall adhere to the requirements of the Vermont Water Supply Rule.
- (e) This refers to Public Community Water Systems, as defined in the Vermont Water Supply Rule.
- (f) Contact the Department of Environmental Conservation's Water Supply Division, 103 South Main Street, Waterbury, Vermont for isolation distances relative to a public community water supply.

Footnotes (Specific Criteria for Isolation Distances)

- 1. The isolation distance to surface waters shall be measured from the nearest portion of the leachfield, which will be the toe of the system for mound and at-grade systems. The isolation distance must be satisfied on a year-round basis, therefore the edge of the surface water is the annual high water level.
- 2. For mound wastewater disposal systems, the limit of mound fill must be 25 feet from any downhill property line and 10 feet from all property lines on the side or uphill.
- 3. No leachfield or replacement area shall be closer than 10 feet to one another, except as allowed for absorption trench systems in §1-907(m) of these Rules.
- 4. If a curtain or foundation drain is downslope of the leachfield, the leachfield cannot be closer than 75 feet to the drain. If the curtain or foundation drain is upslope of the leachfield, it shall be 35' if possible, and a minimum of 20 feet to the leachfield. The isolation distances for mound systems shall be from the edge of the minimum basal area or the edge of the absorption bed or trench, whichever is closer. These distances may be reduced if the designer provides adequate data and analysis to show that effluent from the soil-based disposal system will not enter the drain. Conversely the distance may be increased if it is determined that effluent will enter the drain at the minimum separation distance.

TABLE #19: LEACHFIELD LOADING RATES - PART I: BASIC SIZING CRITERIA

SOIL CLASS	TYPICAL DEPOSITIONAL ENVIRONMENT	SOIL TEXTURE ^a (CONSISTENCE)	TYPICAL RANGE OF PERCOLATION RATES (min./inch)	MAXIMUM WASTEWATER LOADING RATE (gpd/ft ²)
1.	Glaciofluvial or Alluvial	Coarse Sand	0-3	0.9
2.	Glaciofluvial or Alluvial	Medium Sand or Loamy Sand	1-10	0.9
3a.	Alluvial	Fine Sand or Loamy Fine Sand	5-30	0.7
3b.	Glacial Till	Sandy Loam (Loose; Very Friable)	5-30	0.7
4.	Glacial Till	Sandy Loam, Fine Sandy Loam, Loam, or Silt Loam (Friable)	30-45	0.5
5a.	Glacial Till	Sandy Loam, Fine Sandy Loam, Loam, or Silt Loam (Firm)	45-60	0.35
5b.	Lacustrine or Alluvial	Silt	45-60	0.35
6.	Lacustrine or Marine	Sandy Clay Loam; Silty Clay Loam; or Clay Loam	60-120	0.24 ^b
7.	Lacustrine or Marine	Sandy Clay; Silty Clay; or Clay	120 +	Not Suitable
a Per USDA - Soil Conservation Service Soil Textural Classes (see Figure #2). Consistence is based on moist, <u>in-situ</u> conditions.				
b Requires a mound disposal system.				

TABLE #19: LEACHFIELD LOADING RATES - PART II: SIZING ADJUSTMENT

<p>If any of the soil layers within the zone of interest have any of the following characteristics, then the maximum loading rates for those layers must be adjusted as indicated below. It is possible that a soil layer different than that identified as limiting before the adjustment is made will control the maximum loading rate, or the suitability of the site for sewage disposal.</p>	
1.	<p>(a) If the soil in Classes 1 or 2 has 35 to 50% rock fragments; or</p> <p>(b) If the soil in Classes 3, 4, 5, or 6 has 50 to 75% rock fragments; or</p> <p>(c) If the soil is in either class 5b or class 6 and has a firm consistence, in-place when moist;</p> <p>then the maximum loading rate for that soil layer is reduced by one soil class (increase of one soil class number).</p>
2.	<p>(a) If a soil in any class has very firm, moist consistence; or</p> <p>(b) If a soil in any class has very hard or extremely hard dry consistence; or</p> <p>(c) If in soil classes 4 through 6 the soil has a strong platy structure;</p> <p>then that layer is an impeding layer and there must be three feet of suitable soil between the top of that layer and the bottom of the leachfield.</p>
3.	<p>(a) If a soil layer in soil classes 1 and 2 has greater than 50% rock fragments by weight; or</p> <p>(b) If a soil layer in classes 3, 4, 5 and 6 has greater than 75% rock fragments by weight;</p> <p>then due to insufficient treatment potential, that soil layer shall not normally be included when determining the vertical separations between the bottom of the system and seasonal high water table.</p> <p>However, if all other criteria for a mound or soil replacement system are met, then either 3(a) or 3(b) may be used to provide up to two feet of the required three feet of suitable soil above seasonal high water table, with mound specified sand providing the remaining foot of soil.</p>

Subchapter 10 - Approval of Innovative/Alternative Systems and Products

§ 1-1001 Innovative/Alternative Systems and Products: General Use

- (a) The Secretary shall authorize an innovative/alternative system or product for general use when the Secretary determines that:
 - (1) the innovative/alternative system or product is designed to achieve the purposes and to satisfy the performance criteria of these Rules;
 - (2) the innovative/alternative system or product is of demonstrated reliability and performance based on its use elsewhere in sufficient numbers and ranges of applications to support its use in the manner proposed;
 - (3) all persons using or affected by the alternative system or product will be protected from health hazards and pollution associated with the use of the innovative/alternative system or product; and
 - (4) the innovative/alternative system or product will not place an unreasonable burden on persons using or affected by the innovative/alternative system or product through unreasonable increased costs or unreasonable long-term operation and maintenance obligations.
- (b) In authorizing the general use of an innovative/alternative system or product, the Secretary shall specify the conditions under which such a system or product may be used.

§ 1-1002 Innovative/Alternative Systems and Products: Pilot Projects

- (a) The Secretary shall authorize an innovative/alternative system or product for a limited number of specific applications, either individually or as part of a pilot project, when the Secretary determines that:
 - (1) the innovative/alternative system or product as designed is likely to achieve the purposes and to satisfy the performance criteria of these Rules;
 - (2) all persons using or affected by the innovative system or product are protected from health hazards and pollution in the event the innovative/alternative system or product does not meet the purposes or the performance criteria of these Rules;
 - (3) the innovative/alternative system or product is not likely to place an unreasonable burden on persons using or affected by the innovative/alternative system or product through unreasonable increased costs or unreasonable long-term operation and maintenance obligations; and
 - (4) the proposal is designed to measure and report on criteria related to reliability, performance and cost necessary to determine its suitability for general use under section 1-1001.

§ 1-1002(a)(5) Innovative/Alternative Systems and Products: Pilot Projects

- (5) Up to twenty-five (25) installations or uses of each specific innovative/alternative system or product may be authorized under this subsection.

- (c) The Secretary may require demonstration of any innovative/alternative system or product under this subsection before considering an application for general use under § 1-1001. Once the Secretary determines through individual project applications or through a pilot project that the innovative system or product performs as intended under this section, the Secretary may, on his or her own motion or upon application, consider the innovative/alternative system or product for general use in accordance with § 1-1001 of these Rules.

§ 1-1003 Innovative/Alternative Systems and Products: Experimental Designs

- (a) The Secretary may authorize an experimental system or product intended to try a new technology or application, provided such experimental system or product meets the following criteria:
 - (1) the proposal as designed has the potential to achieve the purposes of these Rules and to satisfy all applicable performance criteria;
 - (2) the proposal is based on scientific and engineering principles;
 - (3) all persons using or affected by the proposal are protected from health hazards, pollution and increased costs in the event the experimental system or product does not meet the purposes or the performance criteria of these Rules;
 - (4) in the case of an experimental system, the site(s) at which the experimental system is to be located is capable of accommodating a fully complying system under these Rules, or the Secretary has determined that, as a replacement system, the experimental system is equal to or better than any other option available, considering the cost of the incremental increase in environmental and human health protection;
 - (5) in the case of an experimental product, the criteria in (a)(4) above are met, or the Secretary determines that sufficient safeguards exist in the rest of the system design to satisfy (a)(3) above; and
 - (6) adequate monitoring of the experimental system or product is provided to ensure protection of public health and the environment as well as to assess the performance of the experimental system or product.

- (b) Up to five (5) installations or uses of each specific experimental system or product may be authorized under this subsection.

- (c) The Secretary may require bonding or other surety of an appropriate amount to ensure performance or replacement of an experimental system or product in the event that it fails to meet the purposes of these Rules. Surety or bonding shall be established for a specified time period in each case.

Appendix B

Informational

Letter /

Right-of-Entry

Request Form



Town of Colchester

Public Works Department

P.O. Box 55, 781 Blakely Road
Colchester, Vermont 05446

Visit us: www.ColchesterVT.gov

October 21, 2010

Select Board

L. Richard Paquette
Marc Landry
Roger Derby
Myron Palmer
Nadine Scibek

Director of Public Works

Bryan Osborne
(802) 264-5625

Town Engineer

Floyd Sheesley, P.E.
(802) 264-5621

Operations Manager

Brian Tuttle
(802) 264-5626

Administrative Coordinator

Anja Twite
(802) 264-5620

Fax

(802) 264-5503

Dear Property Owner:

This letter and attachments are to update you on the status of the Town of Colchester's Integrated Water Resources Management (IWRM) Plan, and to request your assistance in helping us perform the next steps. The overall plan is intended to allow the Town to better manage the community's water resources. Through the detailed mapping and assessment of existing water resources, natural features, land use practices, and both public and private wastewater and storm water systems Colchester will be able to develop a comprehensive management plan to improve the coordination of these activities and features, leading to improved management of the community's water resources.

The Town has completed the first three phases of the project including; 1) the mapping of all public and private wastewater, water, and storm water systems, 2) the mapping of existing water resources and natural features, and 3) a preliminary assessment of each parcel of land within the community to determine the potential for these lots to support a well functioning septic system. The next phase of the project will involve a more detailed assessment of those areas that have been identified as a high priority. Generally an area is considered high priority if a system failure would likely cause a public health threat. This more detailed assessment will be used to determine the adequacy of these existing systems to protect public health, and will help us develop alternative community wastewater treatment options for the Town where needed.

Your property has been identified as one of a number of properties located in a priority area. We are requesting your assistance to access your property to complete a site assessment of your on-site wastewater system including; system type, age, soil conditions, and isolation distances from environmental features. A small hand auger boring will be performed to access soil and groundwater conditions. Any disturbances to the ground or vegetation caused by hand auguring shall be promptly restored. A form will be prepared documenting age, type, condition, and include a map showing system and isolation distances. **All information gathered will be used for study purposes only. The information will not be used to pursue any type of enforcement action relating to non-complying or failed systems.** A copy of the information obtained concerning your property will also be provided to you.

... continued on page 2 ...

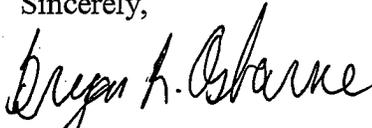
*Letter to Property Owner
October 21, 2010
Page 2 of 2*

Forcier Aldrich & Associates, Inc. (FA&A) is assisting the Town in requesting authorization to enter your property using a Right-of-Entry (ROE) form. This form is enclosed, along with instructions for signing and returning. Site assessments will be performed in November/December 2010 or spring 2011, weather depending.

Please feel free to call Mr. Wayne Elliott, PE from FA&A at (802) 879-7733 or Bryan Osborne, Town of Colchester, Director of Public Works at (802) 264-5625 with any questions or concerns you may have.

Thank you in advance for your consideration of this request. Your prompt response will be greatly appreciated.

Sincerely,



Bryan K. Osborne
Director of Public Works

N:DPW Projects/Study/Water Quality/IWRMP/Public Education & Participation

**TOWN OF COLCHESTER
INTEGRATED WATER RESOURCES MANAGEMENT
TASK 4: DETAILED NEEDS ASSESSMENT OF PRIORITY AREAS**

RIGHT-OF-ENTRY FORM

The undersigned hereby grants permission to the Town of Colchester, its officers, employees and agents to enter upon the premises of the undersigned, and to conduct thereon tests, measurements, surveys, inspections, and investigations relative to sewage disposal capacity. Any disturbance to the ground or vegetation caused by hand auguring shall be promptly restored. **All information gathered will be used for study purposes only. The information will not be used to pursue any type of enforcement action relating to non-complying or failed systems.** A copy of the results of these studies conducted on the premises shall also be given to the undersigned. This agreement shall remain in effect for a period of eight (8) months from the date of execution.

If you want to be kept informed on the project status, public meetings, and other related project communications via email, please include your email address below.

Dated _____

Property Owner

Property Owner

Property Location (911 Address)

Mailing Address

Phone Number

Email Address

Please fill out form and return in the self addressed envelope to:
Forcier Aldrich & Associates, Inc.
6 Market Place, Suite 2
Essex Junction, VT 05452
(802) 879-7733

OR Drop off at the Colchester Town Offices, Attention Bryan Osborne, Public Works Director

Appendix C

On-Site Wastewater Inspection Form

ON-SITE WASTEWATER SYSTEM INSPECTION FORM



Inspector Name:		Date:				
PROPERTY INFORMATION	Property Owner Names:		Parcel No.			
			GPS Location			
	Physical Address:		Lat.			
			Long.			
	<input type="checkbox"/> Year Round <input type="checkbox"/> Seasonal		Design Flow (gpd)			
	Mailing Address:		Home Tel.			
			Work Tel.			
		Email.				
WATER SYSTEM	Type:			Yes	No	
	<input type="checkbox"/> Shallow Dug Well or Spring <input type="checkbox"/> Bedrock Well <input type="checkbox"/> Municipal		Shared System	<input type="checkbox"/>	<input type="checkbox"/>	
	If Municipal Name:		Located on-site (If yes, show on map.)	<input type="checkbox"/>	<input type="checkbox"/>	
WASTEWATER TREATMENT SYSTEM	Type of Treatment System		Material of Construction		Yes	No
	<input type="checkbox"/> Cesspool		<input type="checkbox"/> Concrete	Buried	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> Septic Tank		<input type="checkbox"/> Steel	Lids (Accessible)	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> Advanced Treatment System		<input type="checkbox"/> Block	Effluent Filter	<input type="checkbox"/>	<input type="checkbox"/>
	If Advanced Treatment Describe:		<input type="checkbox"/> Fiberglass	Liquid Level at inlet Invert	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/> Plastic	Liquid Level at Outlet Invert	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/> Other	Pumping Frequency		
	Condition/Comments:		Volume (Gal.)			
			Isolation Distances			
			Bodies of Water:			
			Water Supplies:			
			Water Lines:			
			Property Lines:			
			Separate Gray Water System		Yes	No
			If yes Describe:		<input type="checkbox"/>	<input type="checkbox"/>

		Type of Disposal System	Yes	No		Yes	No	
WASTEWATER DISPOSAL SYSTEM	<input type="checkbox"/> Seepage Pit/Drywell	Located on-site, If Yes. Show on map.	<input type="checkbox"/>	<input type="checkbox"/>	Was the disposal system located?	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/> Absorption Bed	Shared	<input type="checkbox"/>	<input type="checkbox"/>	Surfacing effluent?	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/> Absorption Trench	Community	<input type="checkbox"/>	<input type="checkbox"/>	Wet or spongy areas?	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/> At-Grade	Gravity System	<input type="checkbox"/>	<input type="checkbox"/>	Isolation Distances	Feet		
	<input type="checkbox"/> Mound	Distribution Box	<input type="checkbox"/>	<input type="checkbox"/>	Bodies of Water:			
	<input type="checkbox"/> Storage	Pressure Distribution System	<input type="checkbox"/>	<input type="checkbox"/>	Water Supplies:			
	<input type="checkbox"/> Other	Dosing Pump Station	<input type="checkbox"/>	<input type="checkbox"/>	Water Lines:			
	<input type="checkbox"/> Unknown	If Yes, Are there alarms?	<input type="checkbox"/>	<input type="checkbox"/>	Property Lines			
	Failed System <input type="checkbox"/> Yes <input type="checkbox"/> No							
	Odors present? <input type="checkbox"/> Yes <input type="checkbox"/> No							
	Is this a "Best Fix" system? <input type="checkbox"/> Yes <input type="checkbox"/> No							
	Is the area directly over the system free of any large objects (cars, structures, parking lots etc)? <input type="checkbox"/> Yes <input type="checkbox"/> No							
	If no, Describe:							
	Is there a designated replacement area? <input type="checkbox"/> Yes <input type="checkbox"/> No							
	Is there potential room for a replacement area? <input type="checkbox"/> Yes <input type="checkbox"/> No							
Is there potential room for a cluster system? <input type="checkbox"/> Yes <input type="checkbox"/> No								
Comments:								
Soils/Groundwater	Fill in attached detailed soil probe log							
	Show location on map.							
	Soil type							
	Depth to Estimated Seasonal High Water Table, inches							
	Depth to bedrock, inches							

Sketch the approximate system location in this space provided:

Appendix D

Detailed Summary of Inspection Results by Area

NORTH MALLETT/NIQUETTE BAY

As of January 31, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	125	
Permits Available	34	27%
Total Number of "Right-of-Entries" Received:	43	34%
Total Number Inspected:	13	10%
Permits Available	1	8%

Properties Inspected:

Residency:		
Year Round:	6	46%
Seasonal:	7	54%
Residential:		
Single:	12	92%
Multi-Family:	1	8%
Commercial:	0	0%

Water System:

Type:		
Shallow Dug Well or Spring:	1	8%
Lake Intake:	4	31%
Bedrock Well:	6	46%
Municipal:	0	0%
Unknown:	2	15%

Wastewater Treatment:

Primary Treatment		
Unknown:	0	0%
Cesspool:	0	0%
Septic Tank:	13	100%
Material:		
Concrete:	9	69%
Steel:	1	8%
Block:	0	0%
Fiberglass:	1	8%
Plastic:	0	0%
Unknown:	2	15%
Effluent Filter:	2	15%
Buried:	7	54%
Covers At-Grade (Accessible):	5	38%
Unknown:	1	8%

NORTH MALLETT/NIQUETTE BAY

As of January 31, 2012

Wastewater Treatment (Cont.):

Septic Tank Pumping Frequency:

0 - 4 Years:	6	46%
4 - 6 Years:	1	8%
6 - 10 Years:	0	0%
+10 Years:	0	0%
Unknown:	4	31%
Never:	2	15%

Secondary Treatment:

Advanced Treatment System	1	8%
---------------------------	---	----

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 25 ft):

Yes:	12	92%
No:	0	0%
Unknown:	1	8%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well, >75' - Gravel Pack Well, Shallow Well):

Yes:	7	
No:	2	
Unknown:	4	

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	8	62%
No:	1	8%
Unknown:	4	31%

Property Lines:

Meets EPR Standards (> 10 ft):

Yes:	11	85%
No:	0	0%
Unknown:	2	15%

NORTH MALLETT/NIQUETTE BAY

As of January 31, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	1	8%
Absorption Bed:	1	8%
Absorption Trench:	4	31%
At-Grade:	1	8%
Mound:	4	31%
Storage:	0	0%
Other:	0	0%
Unknown:	2	15%

Separate Gray Water System: 2 15%

Disposal System Located: 10 77%

Individual On-Site:	9	69%
Shared:	4	31%
Community:	0	0%

Gravity System:	6	46%
Distribution Box:	2	33%
Dosing Pump Station:	0	0%
Pressure Disposal System:	6	46%
Dosing Pump Station:	6	100%
Alarms:	5	83%
Unknown:	1	8%

Observations:

Surfacing effluent:	0	0%
Wet or spongy areas:	0	0%
Suspected Failed System:	0	0%
Odors present:	0	0%
"Best Fix" System:	0	0%
Area over system obstructed by large objects:	4	31%

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 50 ft):

Yes:	9	69%
No:	1	8%
Unknown:	3	23%

NORTH MALLETT/NIQUETTE BAY

As of January 31, 2012

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (> 100' - Drilled Well,
>150' - Gravel Pack Well, Shallow Well):

Yes:	6
No:	2
Unknown:	5

Service Water Lines:

Meets EPR Standards (>25 ft):

Yes:	8	62%
No:	0	0%
Unknown:	5	38%

Property Lines:

Meets EPR Standards (> 25 ft):

Yes:	8	62%
No:	1	8%
Unknown:	4	31%

Designated Replacement Area:

Yes:	3	23%
No:	10	77%

Potential Room for a Replacement Area:

Yes:	3	23%
No:	10	77%

Potential Room for a Cluster:

Yes:	3	23%
No:	10	77%

Soils/Groundwater:

Depth to Bedrock:

0" - 24":	8	62%
24" - 36":	0	0%
36" - 48":	0	0%
> 48":	3	23%
No soil boring taken:	2	15%

NORTH MALLETT/NIQUETTE BAY

As of January 31, 2012

Soils/Groundwater (Cont.):

Depth to Estimated Seasonal High Water Table:

0" - 6":	0	0%
6" - 12":	2	15%
12" - 24":	1	8%
24" - 36":	0	0%
36" - 48":	0	0%
> 48":	5	38%
No soil boring taken:	5	38%

Primary Soil Type:

Sand:	3	23%
Loamy Sand:	2	15%
Sandy Loam:	0	0%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	0	0%
Silty Loam:	0	0%
Clay Loam:	2	15%
Sandy Clay:	0	0%
Silty Clay Loam:	1	8%
Silty Clay:	0	0%
Clay:	0	0%
No soil boring taken:	5	38%

GOODSELL POINT/SUNSET VIEW

As of January 31, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	64	
Permits Available	7	11%
Total Number of "Right-of-Entries" Received:	22	34%
Total Number Inspected:	13	20%
Permits Available	1	8%

Properties Visited:

Residency:		
Year Round:	8	62%
Seasonal:	5	38%
Residential:		
Single:	13	100%
Multi-Family:	0	0%
Commercial:	0	0%

Water System:

Type:		
Shallow Dug Well or Spring:	0	0%
Lake Intake:	3	23%
Bedrock Well:	1	8%
Municipal:	9	69%

Wastewater Treatment:

Primary Treatment		
Unknown:	0	0%
Cesspool:	0	0%
Septic Tank:	13	100%
Material:		
Concrete:	8	62%
Steel:	1	8%
Block:	0	0%
Fiberglass:	0	0%
Plastic:	0	0%
Unknown:	4	31%
Effluent Filter:	2	15%
Buried:	9	69%
Cover At-Grade(Accessible):	4	31%
Unknown:	0	0%

GOODSELL POINT/SUNSET VIEW

As of January 31, 2012

Wastewater Treatment (Cont.):

Septic Tank Pumping Frequency:

0 - 4 Years:	2	15%
4 - 6 Years:	2	15%
6 - 10 Years:	0	0%
+10 Years:	0	0%
Unknown:	8	62%
Never:	1	8%

Secondary Treatment:

Advanced Treatment System	5	38%
---------------------------	---	-----

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 25 ft):

Yes:	12	92%
No:	1	8%
Unknown:	0	0%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well, >75' - Gravel Pack Well, Shallow Well):

Yes:	3	
No:	1	

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	9	69%
No:	2	15%
Unknown:	2	15%

Property Lines:

Meets EPR Standards (> 10 ft):

Yes:	13	100%
No:	0	0%
Unknown:	0	0%

GOODSELL POINT/SUNSET VIEW

As of January 31, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	4	31%
Absorption Bed:	0	0%
Absorption Trench:	1	8%
At-Grade:	0	0%
Mound:	5	38%
Storage:	0	0%
Other:	2	15%
Bottomless Sand Filter	2	100%
Unknown:	1	8%

Separate Gray Water System: 1 8%

Disposal System Located: 13 100%

Individual On-Site: 11 85%

Shared: 2 15%

Community: 0 0%

Gravity System: 5 38%

 Distribution Box: 0 0%

 Dosing Pump Station: 0 0%

Pressure Disposal System: 7 54%

 Dosing Pump Station: 7 100%

 Alarms: 5 71%

Unknown: 1 8%

Observations:

 Surfacing effluent: 0 0%

 Wet or spongy areas: 0 0%

 Suspected Failed System: 0 0%

 Odors present: 0 0%

 "Best Fix" System: 2 15%

 Area over system obstructed by large objects: 4 31%

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 50 ft):

 Yes: 8 62%

 No: 5 38%

 Unknown: 0 0%

GOODSELL POINT/SUNSET VIEW

As of January 31, 2012

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (> 100' - Drilled Well,
>150' - Gravel Pack Well, Shallow Well):

Yes:	4	
No:	0	

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	11	85%
No:	1	8%
Unknown:	1	8%

Property Lines:

Meets EPR Standards (> 25 ft):

Yes:	8	62%
No:	5	38%
Unknown:	0	0%

Designated Replacement Area:

Yes:	0	0%
No:	13	100%

Potential Room for a Replacement Area:

Yes:	2	15%
No:	11	85%

Potential Room for a Cluster:

Yes:	0	0%
No:	13	100%

Soils/Groundwater:

Depth to Bedrock:

0" - 24":	4	31%
24" - 36":	0	0%
36" - 48":	0	0%
> 48":	4	31%
No soil boring taken:	5	38%

GOODSELL POINT/SUNSET VIEW

As of January 31, 2012

Soils/Groundwater (Cont.):

Depth to Estimated Seasonal High Water Table:

0" - 6":	0	0%
6" - 12":	4	31%
12" - 24":	0	0%
24" - 36":	1	8%
36" - 48":	0	0%
> 48":	3	23%
No soil boring taken:	5	38%

Primary Soil Type:

Sand:	0	0%
Loamy Sand:	2	15%
Sandy Loam:	3	23%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	0	0%
Silty Loam:	0	0%
Clay Loam:	1	8%
Sandy Clay:	1	8%
Silty Clay Loam:	1	8%
Silty Clay:	0	0%
Clay:	0	0%
No soil boring taken:	5	38%

EAST LAKESHORE DRIVE WEST (LAKE)

As of January 19, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	74	
Permits Available	4	5%
Total Number of "Right-of-Entries" Received:	17	23%
Total Number Inspected:	5	7%
Permits Available	0	0%

Properties Visited:

Residency:		
Year Round:	2	40%
Seasonal:	3	60%
Residential:		
Single:	4	80%
Multi-Family:	1	20%
Commercial:	0	0%

Water System:

Type:		
Shallow Dug Well or Spring:	0	0%
Lake Intake:	0	0%
Bedrock Well:	0	0%
Municipal:	5	100%

Wastewater Treatment:

Primary Treatment		
Unknown:	3	60%
Cesspool:	0	0%
Septic Tank:	2	40%
Material:		
Concrete:	1	50%
Steel:	0	0%
Block:	0	0%
Fiberglass:	0	0%
Plastic:	0	0%
Unknown:	1	50%
Effluent Filter:	0	0%
Buried:	1	50%
Cover At-Grade (Accessible):	1	50%
Unknown:	0	0%

EAST LAKESHORE DRIVE WEST (LAKE)

As of January 19, 2012

Wastewater Treatment (Cont.):

Septic Tank Pumping Pumping Frequency:

0 - 4 Years:	1	20%
4 - 6 Years:	1	20%
6 - 10 Years:	0	0%
+10 Years:	0	0%
Unknown:	3	60%
Never:	0	0%

Secondary Treatment:

Advanced Treatment System	0	0%
---------------------------	---	----

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 25 ft):

Yes:	2	40%
No:	0	0%
Unknown:	3	60%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well, > 75' - Gravel Pack Well, Shallow Well):

Yes:	N/A
No:	N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	2	40%
No:	0	0%
Unknown:	3	60%

Property Lines:

Meets EPR Standards (> 10 ft):

Yes:	1	20%
No:	1	20%
Unknown:	3	60%

EAST LAKESHORE DRIVE WEST (LAKE)

As of January 19, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	1	20%
Absorption Bed:	0	0%
Absorption Trench:	1	20%
At-Grade:	0	0%
Mound:	0	0%
Storage:	3	60%
Other:	0	0%
Unknown:	0	0%

Separate Gray Water System: 2 40%

Disposal System Located: 3 60%

Individual On-Site: 5 100%

Shared: 0 0%

Community: 0 0%

Gravity System: 2 40%

Distribution Box: 1 50%

Dosing Pump Station: 0 0%

Pressure Disposal System: 0 0%

Dosing Pump Station: 0 #DIV/0!

Alarms: 0 #DIV/0!

Unknown: 3 60%

Observations:

Surfacing effluent: 0 0%

Wet or spongy areas: 0 0%

Suspected Failed System: 1 20%

Odors present: 0 0%

"Best Fix" System: 1 20%

Area over system obstructed by large objects: 3 60%

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 50 ft):

Yes: 2 40%

No: 3 60%

Unknown: 0 0%

EAST LAKESHORE DRIVE WEST (LAKE)

As of January 19, 2012

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (>100' - Drilled Well,
> 150' - Gravel Pack Well, Shallow Well):

Yes: N/A

No: N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes: 3 60%

No: 2 40%

Unknown: 0 0%

Property Lines:

Meets EPR Standards (> 25 ft):

Yes: 1 20%

No: 4 80%

Unknown: 0 0%

Designated Replacement Area:

Yes: 0 0%

No: 5 100%

Potential Room for a Replacement Area:

Yes: 1 20%

No: 4 80%

Potential Room for a Cluster:

Yes: 0 0%

No: 5 100%

Soils/Groundwater:

Depth to Bedrock:

0" - 24": 0 0%

24" - 36": 0 0%

36" - 48": 1 20%

> 48": 2 40%

No soil boring taken: 2 40%

EAST LAKESHORE DRIVE WEST (LAKE)

As of January 19, 2012

Soils/Groundwater (Cont.):

Depth to Estimated Seasonal High Water Table:

0" - 6":	0	0%
6" - 12":	0	0%
12" - 24":	0	0%
24" - 36":	2	40%
36" - 48":	0	0%
> 48":	1	20%
No soil boring taken:	2	40%

Primary Soil Type:

Sand:	1	20%
Loamy Sand:	0	0%
Sandy Loam:	2	40%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	0	0%
Silty Loam:	0	0%
Clay Loam:	0	0%
Sandy Clay:	0	0%
Silty Clay Loam:	0	0%
Silty Clay:	0	0%
Clay:	0	0%
No soil boring taken:	2	40%

EAST LAKESHORE DRIVE EAST (ROAD)

As of January 19, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	90	
Permits Available	13	14%
Total Number of "Right-of-Entries" Received:	18	20%
Total Number Inspected:	9	10%
Permits Available	1	11%

Properties Visited:

Residency:		
Year Round:	7	78%
Seasonal:	2	22%
Residential:		
Single:	3	33%
Multi-Family:	5	56%
Commercial:	1	11%

Water System:

Type:		
Shallow Dug Well or Spring:	0	0%
Lake Intake:	0	0%
Bedrock Well:	0	0%
Municipal:	9	100%

Wastewater Treatment:

Primary Treatment		
Unknown:	0	0%
Cesspool:	0	0%
Septic Tank:	9	100%
Material:		
Concrete:	7	78%
Steel:	1	11%
Block:	0	0%
Fiberglass:	0	0%
Plastic:	0	0%
Unknown:	1	11%
Effluent Filter:	1	11%
Buried:	4	44%
Cover At-Grade (Accessible):	3	33%
Unknown:	2	22%

EAST LAKESHORE DRIVE EAST (ROAD)

As of January 19, 2012

Wastewater Treatment (Cont.):

Septic Tank Pumping Pumping Frequency:

0 - 4 Years:	6	67%
4 - 6 Years:	2	22%
6 - 10 Years:	0	0%
+10 Years:	0	0%
Unknown:	1	11%
Never:	0	0%

Secondary Treatment:

Advanced Treatment System	1	11%
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Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 25 ft):

Yes:	9	100%
No:	0	0%
Unknown:	0	0%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well, > 75' - Gravel Pack Well, Shallow Well):

Yes:	N/A
No:	N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	7	78%
No:	2	22%
Unknown:	0	0%

Property Lines:

Meets EPR Standards (> 10 ft):

Yes:	8	89%
No:	1	11%
Unknown:	0	0%

EAST LAKESHORE DRIVE EAST (ROAD)

As of January 19, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	0	0%
Absorption Bed:	4	44%
Absorption Trench:	4	44%
At-Grade:	0	0%
Mound:	1	11%
Storage:	0	0%
Other:	0	0%
Unknown:	0	0%

Separate Gray Water System: 0 0%

Disposal System Located: 8 89%

Individual On-Site: 7 78%

Shared: 1 11%

Community: 1 11%

Gravity System: 6 67%

Distribution Box: 5 83%

Dosing Pump Station: 1 17%

Pressure Disposal System: 2 22%

Dosing Pump Station: 2 100%

Alarms: 1 50%

Unknown: 1 11%

Observations:

Surfacing effluent: 0 0%

Wet or spongy areas: 0 0%

Suspected Failed System: 1 11%

Odors present: 0 0%

"Best Fix" System: 0 0%

Area over system obstructed by large objects: 2 22%

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 50 ft):

Yes: 9 100%

No: 0 0%

Unknown: 0 0%

EAST LAKESHORE DRIVE EAST (ROAD)

As of January 19, 2012

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (>100' - Drilled Well,
> 150' - Gravel Pack Well, Shallow Well):

Yes:	N/A	
No:	N/A	

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	6	67%
No:	3	33%
Unknown:	0	0%

Property Lines:

Meets EPR Standards (> 25 ft):

Yes:	6	67%
No:	3	33%
Unknown:	0	0%

Designated Replacement Area:

Yes:	3	33%
No:	6	67%

Potential Room for a Replacement Area:

Yes:	2	22%
No:	7	78%

Potential Room for a Cluster:

Yes:	3	33%
No:	6	67%

Soils/Groundwater:

Depth to Bedrock:

0" - 24":	1	11%
24" - 36":	0	0%
36" - 48":	0	0%
> 48":	7	78%
No soil boring taken:	1	11%

EAST LAKESHORE DRIVE EAST (ROAD)

As of January 19, 2012

Soils/Groundwater (Cont.):

Depth to Estimated Seasonal High Water Table:

0" - 6":	0	0%
6" - 12":	0	0%
12" - 24":	3	33%
24" - 36":	2	22%
36" - 48":	1	11%
> 48":	2	22%
No soil boring taken:	1	11%

Primary Soil Type:

Sand:	4	44%
Loamy Sand:	2	22%
Sandy Loam:	1	11%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	1	11%
Silty Loam:	0	0%
Clay Loam:	0	0%
Sandy Clay:	0	0%
Silty Clay Loam:	0	0%
Silty Clay:	0	0%
Clay:	0	0%
No soil boring taken:	1	11%

WEST LAKESHORE DRIVE

As of January 31, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	51	
Permits Available	9	18%
Total Number of "Right-of-Entries" Received:	23	45%
Total Number Inspected:	14	27%
Permits Available	2	14%

Properties Visited:

Residency:		
Year Round:	9	64%
Seasonal:	5	36%
Residential:		
Single:	12	86%
Multi-Family:	0	0%
Commercial:	2	14%

Water System:

Type:		
Shallow Dug Well or Spring:	0	0%
Lake Intake:	0	0%
Bedrock Well:	0	0%
Municipal:	14	100%

Wastewater Treatment:

Primary Treatment		
Unknown:	3	21%
Cesspool:	0	0%
Septic Tank:	11	79%
Material:		
Concrete:	8	73%
Steel:	0	0%
Block:	0	0%
Fiberglass:	0	0%
Plastic:	0	0%
Unknown:	3	27%
Effluent Filter:	0	0%
Buried:	9	82%
Cover At-Grade (Accessible):	1	9%
Unknown:	1	9%

WEST LAKESHORE DRIVE

As of January 31, 2012

Wastewater Treatment (Cont.):

Septic Tank Pumping Frequency:

0 - 4 Years:	4	29%
4 - 6 Years:	2	14%
6 - 10 Years:	0	0%
+10 Years:	0	0%
Unknown:	8	57%
Never:	0	0%

Secondary Treatment:

Advanced Treatment System	0	0%
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Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 25 ft):

Yes:	10	71%
No:	0	0%
Unknown:	4	29%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well,
>75' - Gravel Pack Well, Shallow Well):

Yes:	N/A
No:	N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	9	64%
No:	1	7%
Unknown:	4	29%

Property Lines:

Meets EPR Standards (> 10 ft):

Yes:	10	71%
No:	0	0%
Unknown:	4	29%

WEST LAKESHORE DRIVE

As of January 31, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	0	0%
Absorption Bed:	5	36%
Absorption Trench:	2	14%
At-Grade:	0	0%
Mound:	1	7%
Storage:	0	0%
Other:	0	0%
Unknown:	6	43%

Separate Gray Water System: 1 7%

Disposal System Located: 9 64%

Individual On-Site: 13 93%

Shared: 1 7%

Community: 0 0%

Gravity System: 7 50%

Distribution Box: 1 14%

Dosing Pump Station: 0 0%

Pressure Disposal System: 3 21%

Dosing Pump Station: 3 100%

Alarms: 1 33%

Unknown: 4 29%

Observations:

Surfacing effluent: 0 0%

Wet or spongy areas: 0 0%

Suspected Failed System: 0 0%

Odors present: 0 0%

"Best Fix" System: 0 0%

Area over system obstructed by large objects: 7 50%

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 50 ft):

Yes: 7 50%

No: 2 14%

Unknown: 5 36%

WEST LAKESHORE DRIVE

As of January 31, 2012

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (> 100' - Drilled Well,
>150' - Gravel Pack Well, Shallow Well):

Yes: N/A

No: N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes: 5 36%

No: 4 29%

Unknown: 5 36%

Property Lines:

Meets EPR Standards (> 25 ft):

Yes: 4 29%

No: 5 36%

Unknown: 5 36%

Designated Replacement Area:

Yes: 2 14%

No: 12 86%

Potential Room for a Replacement Area:

Yes: 4 29%

No: 10 71%

Potential Room for a Cluster:

Yes: 1 7%

No: 13 93%

Soils/Groundwater:

Depth to Bedrock:

0" - 24": 0 0%

24" - 36": 0 0%

36" - 48": 0 0%

> 48": 11 79%

No soil boring taken: 3 21%

WEST LAKESHORE DRIVE

As of January 31, 2012

Soils/Groundwater (Cont.):

Depth to Estimated Seasonal High Water Table:

0" - 6":	2	14%
6" - 12":	0	0%
12" - 24":	1	7%
24" - 36":	2	14%
36" - 48":	1	7%
> 48":	5	36%
No soil boring taken:	3	21%

Primary Soil Type:

Sand:	5	36%
Loamy Sand:	3	21%
Sandy Loam:	1	7%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	0	0%
Silty Loam:	2	14%
Clay Loam:	0	0%
Sandy Clay:	0	0%
Silty Clay Loam:	0	0%
Silty Clay:	0	0%
Clay:	0	0%
No soil boring taken:	3	21%

COATES ISLAND

As of January 31, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	36	
Permits Available	0	0%
Total Number of "Right-of-Entries" Received:	19	53%
Total Number Inspected:	7	19%
Permits Available	0	0%

Properties Visited:

Residency:		
Year Round:	2	29%
Seasonal:	5	71%
Residential:		
Single:	7	100%
Multi-Family:	0	0%
Commercial:	0	0%

Water System:

Type:		
Shallow Dug Well or Spring:	0	0%
Lake Intake:	7	100%
Bedrock Well:	0	0%
Municipal:	0	0%

Wastewater Treatment:

Primary Treatment		
Unknown:	1	14%
Cesspool:	0	0%
Septic Tank:	6	86%
Material:		
Concrete:	6	100%
Steel:	0	0%
Block:	0	0%
Fiberglass:	0	0%
Plastic:	0	0%
Unknown:	0	0%
Effluent Filter:	1	17%
Buried:	5	83%
Cover At-Grade (Accessible):	1	17%
Unknown:	0	0%

COATES ISLAND

As of January 31, 2012

Wastewater Treatment (Cont.):

Septic Tank Pumping Frequency:

0 - 4 Years:	0	0%
4 - 6 Years:	6	86%
6 - 10 Years:	0	0%
+10 Years:	0	0%
Unknown:	1	14%
Never:	0	0%

Secondary Treatment:

Advanced Treatment System	0	0%
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Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 25 ft):

Yes:	6	86%
No:	0	0%
Unknown:	1	14%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well,
>75' - Gravel Pack Well, Shallow Well):

Yes:	N/A
No:	N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	N/A
No:	N/A
Unknown:	N/A

Property Lines:

Meets EPR Standards (> 10 ft):

Yes:	6	86%
No:	0	0%
Unknown:	1	14%

COATES ISLAND

As of January 31, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	0	0%
Absorption Bed:	1	14%
Absorption Trench:	3	43%
At-Grade:	0	0%
Mound:	2	29%
Storage:	1	14%
Other:	0	0%
Unknown:	0	0%

Separate Gray Water System:	1	14%
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Disposal System Located:	7	100%
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Individual On-Site:	7	100%
Shared:	0	0%
Community:	0	0%

Gravity System:	4	57%
Distribution Box:	3	75%
Dosing Pump Station:	0	0%
Pressure Disposal System:	2	29%
Dosing Pump Station:	2	100%
Alarms:	2	100%
Unknown:	1	14%

Observations:

Surfacing effluent:	0	0%
Wet or spongy areas:	0	0%
Suspected Failed System:	0	0%
Odors present:	0	0%
"Best Fix" System:	0	0%
Area over system obstructed by large objects:	1	14%

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 50 ft):

Yes:	6	86%
No:	1	14%
Unknown:	0	0%

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (> 100' - Drilled Well,
>50' - Gravel Pack Well, Shallow Well):

Yes:	N/A
No:	N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	N/A
No:	N/A
Unknown:	N/A

Property Lines:

Meets EPR Standards (> 25 ft):

Yes:	6	86%
No:	1	14%
Unknown:	0	0%

Designated Replacement Area:

Yes:	2	29%
No:	5	71%

Potential Room for a Replacement Area:

Yes:	1	14%
No:	6	86%

Potential Room for a Cluster:

Yes:	2	29%
No:	5	71%

Soils/Groundwater:

Depth to Bedrock:

0" - 24":	0	0%
24" - 36":	0	0%
36" - 48":	0	0%
> 48":	6	86%
No soil boring taken:	1	14%

COATES ISLAND

As of January 31, 2012

Soils/Groundwater (Cont.):

Depth to Estimated Seasonal High Water Table:

0" - 6":	4	57%
6" - 12":	0	0%
12" - 24":	2	29%
24" - 36":	0	0%
36" - 48":	0	0%
> 48":	0	0%
No soil boring taken:	1	14%

Primary Soil Type:

Sand:	0	0%
Loamy Sand:	0	0%
Sandy Loam:	0	0%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	0	0%
Silty Loam:	1	14%
Clay Loam:	2	29%
Sandy Clay:	0	0%
Silty Clay Loam:	1	14%
Silty Clay:	2	29%
Clay:	0	0%
No soil boring taken:	1	14%

SPAULDING EAST SHORE

As of January 31, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	62	
Permits Available	21	34%
Total Number of "Right-of-Entries" Received:	20	32%
Total Number Inspected:	6	10%
Permits Available	2	33%

Properties Visited:

Residency:		
Year Round:	5	83%
Seasonal:	1	17%
Residential:		
Single:	6	100%
Multi-Family:	0	0%
Commercial:	0	0%

Water System:

Type:		
Shallow Dug Well or Spring:	0	0%
Lake Intake:	0	0%
Bedrock Well:	0	0%
Municipal:	6	100%

Wastewater Treatment:

Primary Treatment		
Unknown:	0	0%
Cesspool:	0	0%
Septic Tank:	6	100%
Material:		
Concrete:	5	83%
Steel:	0	0%
Block:	0	0%
Fiberglass:	0	0%
Plastic:	0	0%
Unknown:	1	17%
Effluent Filter:	0	0%
Buried:	6	100%
Cover At-Grade (Accessible):	0	0%
Unknown:	0	0%

SPAULDING EAST SHORE

As of January 31, 2012

Wastewater Treatment (Cont.):

Septic Tank Pumping Frequency:

0 - 4 Years:	3	50%
4 - 6 Years:	0	0%
6 - 10 Years:	0	0%
+10 Years:	0	0%
Unknown:	2	33%
Never:	1	17%

Secondary Treatment:

Advanced Treatment System	0	0%
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Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 25 ft):

Yes:	5	83%
No:	0	0%
Unknown:	1	17%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well, >75' - Gravel Pack Well, Shallow Well):

Yes:	N/A
No:	N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	2	33%
No:	3	50%
Unknown:	1	17%

Property Lines:

Meets EPR Standards (> 10 ft):

Yes:	4	67%
No:	1	17%
Unknown:	1	17%

SPAULDING EAST SHORE

As of January 31, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	0	0%
Absorption Bed:	2	33%
Absorption Trench:	2	33%
At-Grade:	0	0%
Mound:	0	0%
Storage:	0	0%
Other:	0	0%
Unknown:	2	33%

Separate Gray Water System: 0 0%

Disposal System Located: 5 83%

Individual On-Site: 5 83%
 Shared: 1 17%
 Community: 0 0%

Gravity System: 4 67%
 Distribution Box: 3 75%
 Dosing Pump Station: 0 0%
 Pressure Disposal System: 1 17%
 Dosing Pump Station: 1 100%
 Alarms: 0 0%
 Unknown: 1 17%

Observations:
 Surfacing effluent: 0 0%
 Wet or spongy areas: 0 0%
 Suspected Failed System: 0 0%
 Odors present: 1 17%
 "Best Fix" System: 0 0%
 Area over system obstructed by large objects: 3 50%

Isolation Distances:
 Bodies of Water:
 Meets EPR Standards (> 50 ft):
 Yes: 5 83%
 No: 0 0%
 Unknown: 1 17%

SPAULDING EAST SHORE

As of January 31, 2012

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (> 100' - Drilled Well,
>150' - Gravel Pack Well, Shallow Well):

Yes:	N/A	
No:	N/A	

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	0	0%
No:	5	83%
Unknown:	1	17%

Property Lines:

Meets EPR Standards (> 25 ft):

Yes:	0	0%
No:	5	83%
Unknown:	1	17%

Designated Replacement Area:

Yes:	2	33%
No:	4	67%

Potential Room for a Replacement Area:

Yes:	0	0%
No:	6	100%

Potential Room for a Cluster:

Yes:	1	17%
No:	5	83%

Soils/Groundwater:

Depth to Bedrock:

0" - 24":	0	0%
24" - 36":	0	0%
36" - 48":	0	0%
> 48":	5	83%
No soil boring taken:	1	17%

SPAULDING EAST SHORE

As of January 31, 2012

Soils/Groundwater (Cont.):

Depth to Estimated Seasonal High Water Table:

0" - 6":	0	0%
6" - 12":	0	0%
12" - 24":	1	17%
24" - 36":	1	17%
36" - 48":	1	17%
> 48":	2	33%
No soil boring taken:	1	17%

Primary Soil Type:

Sand:	4	67%
Loamy Sand:	1	17%
Sandy Loam:	0	0%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	0	0%
Silty Loam:	0	0%
Clay Loam:	0	0%
Sandy Clay:	0	0%
Silty Clay Loam:	0	0%
Silty Clay:	0	0%
Clay:	0	0%
No soil boring taken:	1	17%

BEACH RD/MARBLE ISLAND

As of January 31, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	101	
Permits Available	17	17%
Total Number of "Right-of-Entries" Received:	37	37%
Total Number Inspected:	5	5%
Permits Available	0	0%

Properties Visited:

Residency:		
Year Round:	1	20%
Seasonal:	4	80%
Residential:		
Single:	5	100%
Multi-Family:	0	0%
Commercial:	0	0%

Water System:

Type:		
Shallow Dug Well or Spring:	0	0%
Lake Intake:	0	0%
Bedrock Well:	0	0%
Municipal:	5	100%

Wastewater Treatment:

Primary Treatment		
Unknown:	2	40%
Cesspool:	0	0%
Septic Tank:	3	60%
Material:		
Concrete:	2	67%
Steel:	1	33%
Block:	0	0%
Fiberglass:	0	0%
Plastic:	0	0%
Unknown:	0	0%
Effluent Filter:	0	0%
Buried:	2	67%
Cover At-Grade (Accessible):	1	33%
Unknown:	0	0%

BEACH RD/MARBLE ISLAND

As of January 31, 2012

Wastewater Treatment (Cont.):

Septic Tank Pumping Frequency:

0 - 4 Years:	2	40%
4 - 6 Years:	0	0%
6 - 10 Years:	0	0%
+10 Years:	0	0%
Unknown:	2	40%
Never:	1	20%

Secondary Treatment:

Advanced Treatment System	0	0%
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Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 25 ft):

Yes:	3	60%
No:	0	0%
Unknown:	2	40%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well,
>75' - Gravel Pack Well, Shallow Well):

Yes:	N/A
No:	N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	1	20%
No:	2	40%
Unknown:	2	40%

Property Lines:

Meets EPR Standards (> 10 ft):

Yes:	3	60%
No:	0	0%
Unknown:	2	40%

BEACH RD/MARBLE ISLAND

As of January 31, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	1	20%
Absorption Bed:	0	0%
Absorption Trench:	0	0%
At-Grade:	0	0%
Mound:	0	0%
Storage:	2	40%
Other:	0	0%
Unknown:	2	40%

Separate Gray Water System: 2 40%

Disposal System Located: 5 100%

Individual On-Site: 5 100%

Shared: 0 0%

Community: 0 0%

Gravity System: 4 80%

Distribution Box: 0 0%

Dosing Pump Station: 0 0%

Pressure Disposal System: 0 0%

Dosing Pump Station: 0 #DIV/0!

Alarms: 0 #DIV/0!

Unknown: 1 20%

Observations:

Surfacing effluent: 0 0%

Wet or spongy areas: 0 0%

Failed System: 0 0%

Odors present: 0 0%

"Best Fix" System: 1 20%

Area over system obstructed by large objects: 0 0%

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 50 ft):

Yes: 5 100%

No: 0 0%

Unknown: 0 0%

BEACH RD/MARBLE ISLAND

As of January 31, 2012

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (> 100' - Drilled Well,
>150' - Gravel Pack Well, Shallow Well):

Yes: N/A

No: N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes: 2 40%

No: 3 60%

Unknown: 0 0%

Property Lines:

Meets EPR Standards (> 25 ft):

Yes: 1 20%

No: 4 80%

Unknown: 0 0%

Designated Replacement Area:

Yes: 0 0%

No: 5 100%

Potential Room for a Replacement Area:

Yes: 2 40%

No: 3 60%

Potential Room for a Cluster:

Yes: 0 0%

No: 5 100%

Soils/Groundwater

Depth to Bedrock:

0" - 24": 0 0%

24" - 36": 0 0%

36" - 48": 0 0%

> 48": 4 80%

No soil boring taken: 1 20%

BEACH RD/MARBLE ISLAND

As of January 31, 2012

Soils/Groundwater (Cont.)

Depth to Estimated Seasonal High Water Table:

0" - 6":	0	0%
6" - 12":	0	0%
12" - 24":	1	20%
24" - 36":	0	0%
36" - 48":	0	0%
> 48":	3	60%
No soil boring taken:	1	20%

Primary Soil Type:

Sand:	1	20%
Loamy Sand:	1	20%
Sandy Loam:	1	20%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	0	0%
Silty Loam:	1	20%
Clay Loam:	0	0%
Sandy Clay:	0	0%
Silty Clay Loam:	0	0%
Silty Clay:	0	0%
Clay:	0	0%
No soil boring taken:	1	20%

THAYER BEACH

As of January 31, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	19	
Permits Available	4	21%
Total Number of "Right-of-Entries" Received:	8	42%
Total Number Inspected:	4	21%
Permits Available	1	25%

Properties Visited:

Residency:		
Year Round:	3	75%
Seasonal:	1	25%
Residential:		
Single:	4	100%
Multi-Family:	0	0%
Commercial:	0	0%

Water System:

Type:		
Shallow Dug Well or Spring:	0	0%
Lake Intake:	0	0%
Bedrock Well:	0	0%
Municipal:	4	100%

Wastewater Treatment:

Primary Treatment		
Unknown:	0	0%
Cesspool:	0	0%
Septic Tank:	4	100%
Material:		
Concrete:	3	75%
Steel:	0	0%
Block:	0	0%
Fiberglass:	0	0%
Plastic:	0	0%
Unknown:	1	25%
Effluent Filter:	1	25%
Buried:	1	25%
Cover At-Grade (Accessible):	2	50%
Unknown:	1	25%

THAYER BEACH

As of January 31, 2012

Wastewater Treatment (Cont.):

Septic Tank Pumping Frequency:

0 - 4 Years:	3	75%
4 - 6 Years:	0	0%
6 - 10 Years:	0	0%
+10 Years:	0	0%
Unknown:	1	25%
Never:	0	0%

Secondary Treatment:

Advanced Treatment System	1	25%
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Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 25 ft):

Yes:	2	50%
No:	1	25%
Unknown:	1	25%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well,
>75' - Gravel Pack Well, Shallow Well):

Yes:	N/A
No:	N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	2	50%
No:	1	25%
Unknown:	1	25%

Property Lines:

Meets EPR Standards (> 10 ft):

Yes:	3	75%
No:	0	0%
Unknown:	1	25%

THAYER BEACH

As of January 31, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	0	0%
Absorption Bed:	0	0%
Absorption Trench:	0	0%
At-Grade:	0	0%
Mound:	3	75%
Storage:	0	0%
Other:	0	0%
Unknown:	1	25%

Separate Gray Water System: 0 0%

Disposal System Located: 4 100%

Individual On-Site: 4 100%

Shared: 0 0%

Community: 0 0%

Gravity System: 0 0%

Distribution Box: 0 #DIV/0!

Dosing Pump Station: 0 #DIV/0!

Pressure Disposal System: 3 75%

Dosing Pump Station: 3 100%

Alarms: 1 33%

Unknown: 1 25%

Observations:

Surfacing effluent: 0 0%

Wet or spongy areas: 1 25%

Suspected Failed System: 0 0%

Odors present: 0 0%

"Best Fix" System: 2 50%

Area over system obstructed by large objects: 2 50%

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 50 ft):

Yes: 2 50%

No: 1 25%

Unknown: 1 25%

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (> 100' - Drilled Well,
>150' - Gravel Pack Well, Shallow Well):

Yes:	N/A	
No:	N/A	

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	2	50%
No:	1	25%
Unknown:	1	25%

Property Lines:

Meets EPR Standards (> 25 ft):

Yes:	1	25%
No:	2	50%
Unknown:	1	25%

Designated Replacement Area:

Yes:	2	50%
No:	2	50%

Potential Room for a Replacement Area:

Yes:	0	0%
No:	4	100%

Potential Room for a Cluster:

Yes:	0	0%
No:	4	100%

Soils/Groundwater:

Depth to Bedrock:

0" - 24":	0	0%
24" - 36":	0	0%
36" - 48":	0	0%
> 48":	3	75%
No soil boring taken:	1	25%

THAYER BEACH

As of January 31, 2012

Soils/Groundwater (Cont.):

Depth to Estimated Seasonal High Water Table:

0" - 6":	2	50%
6" - 12":	1	25%
12" - 24":	0	0%
24" - 36":	0	0%
36" - 48":	0	0%
> 48":	0	0%
No soil boring taken:	1	25%

Primary Soil Type:

Sand:	0	0%
Loamy Sand:	0	0%
Sandy Loam:	0	0%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	0	0%
Silty Loam:	1	25%
Clay Loam:	0	0%
Sandy Clay:	0	0%
Silty Clay Loam:	0	0%
Silty Clay:	2	50%
Clay:	0	0%
No soil boring taken:	1	25%

HOLY CROSS

As of January 31, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	31	
Permits Available	6	19%
Total Number of "Right-of-Entries" Received:	13	42%
Total Number Inspected:	4	13%
Permits Available	1	25%

Properties Visited:

Residency:		
Year Round:	1	25%
Seasonal:	3	75%
Residential:		
Single:	3	75%
Multi-Family:	0	0%
Commercial:	1	25%

Water System:

Type:		
Shallow Dug Well or Spring:	0	0%
Lake Intake:	0	0%
Bedrock Well:	0	0%
Municipal:	4	100%

Wastewater Treatment:

Primary Treatment		
Unknown:	0	0%
Cesspool:	0	0%
Septic Tank:	4	100%
Material:		
Concrete:	3	75%
Steel:	0	0%
Block:	0	0%
Fiberglass:	0	0%
Plastic:	0	0%
Unknown:	1	25%
Effluent Filter:	1	25%
Buried:	3	75%
Cover At-Grade(Accessible):	1	25%
Unknown:	0	0%

Wastewater Treatment (Cont.):

Septic Tank Pumping Frequency:

0 - 4 Years:	0	0%
4 - 6 Years:	2	50%
6 - 10 Years:	0	0%
+10 Years:	0	0%
Unknown:	2	50%
Never:	0	0%

Secondary Treatment:

Advanced Treatment System	0	0%
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Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 25 ft):

Yes:	4	100%
No:	0	0%
Unknown:	0	0%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well,
>75' - Gravel Pack Well, Shallow Well):

Yes:	N/A
No:	N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	2	50%
No:	1	25%
Unknown:	1	25%

Property Lines:

Meets EPR Standards (> 10 ft):

Yes:	2	50%
No:	1	25%
Unknown:	1	25%

Separate Gray Water System:

0	0%
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As of January 31, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	0	0%
Absorption Bed:	2	50%
Absorption Trench:	1	25%
At-Grade:	0	0%
Mound:	0	0%
Storage:	0	0%
Other:	0	0%
Unknown:	1	25%

Separate Gray Water System:	0	0%
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Disposal System Located:	4	100%
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Individual On-Site:	4	100%
Shared:	0	0%
Community:	0	0%

Gravity System:	4	100%
Distribution Box:	0	0%
Dosing Pump Station:	0	0%
Pressure Disposal System:	0	0%
Dosing Pump Station:	0	#DIV/0!
Alarms:	0	#DIV/0!
Unknown:	0	0%

Observations:

Surfacing effluent:	0	0%
Wet or spongy areas:	0	0%
Suspected Failed System:	0	0%
Odors present:	0	0%
"Best Fix" System:	1	25%
Area over system obstructed by large objects:	3	75%

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 50 ft):

Yes:	4	100%
No:	0	0%
Unknown:	0	0%

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (> 100' - Drilled Well,
>150' - Gravel Pack Well, Shallow Well):

Yes:	N/A	
No:	N/A	

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	3	75%
No:	1	25%
Unknown:	0	0%

Property Lines:

Meets EPR Standards (> 25 ft):

Yes:	2	50%
No:	2	50%
Unknown:	0	0%

Designated Replacement Area:

Yes:	2	50%
No:	2	50%

Potential Room for a Replacement Area:

Yes:	2	50%
No:	2	50%

Potential Room for a Cluster:

Yes:	2	50%
No:	2	50%

Soils/Groundwater:

Depth to Bedrock:

0" - 24":	0	0%
24" - 36":	0	0%
36" - 48":	0	0%
> 48":	4	100%
No soil boring:	0	0%

HOLY CROSS

As of January 31, 2012

Soils/Groundwater (Cont.):

Depth to Estimated Seasonal High Water Table:

0" - 6":	0	0%
6" - 12":	0	0%
12" - 24":	0	0%
24" - 36":	0	0%
36" - 48":	0	0%
> 48":	4	100%
No soil boring taken:	0	0%

Primary Soil Type:

Sand:	4	100%
Loamy Sand:	0	0%
Sandy Loam:	0	0%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	0	0%
Silty Loam:	0	0%
Clay Loam:	0	0%
Sandy Clay:	0	0%
Silty Clay Loam:	0	0%
Silty Clay:	0	0%
Clay:	0	0%
No soil boring taken:	0	0%

PORTERS POINT

As of January 31, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	93	
Permits Available	14	15%
Total Number of "Right-of-Entries" Received:	28	30%
Total Number Inspected:	10	11%
Permits Available	0	0%

Properties Visited:

Residency:		
Year Round:	7	70%
Seasonal:	3	30%
Residential:		
Single:	10	100%
Multi-Family:	0	0%
Commercial:	0	0%

Water System:

Type:		
Shallow Dug Well or Spring:	0	0%
Lake Intake:	0	0%
Bedrock Well:	0	0%
Municipal:	10	100%

Wastewater Treatment:

Primary Treatment		
Unknown:	1	10%
Cesspool:	0	0%
Septic Tank:	9	90%
Material:		
Concrete:	7	78%
Steel:	0	0%
Block:	0	0%
Fiberglass:	1	11%
Plastic:	1	11%
Unknown:	0	0%
Effluent Filter:	2	22%
Buried:	4	44%
Covers At-Grade (Accessible):	4	44%
Unknown:	1	11%

Wastewater Treatment (Cont.):

Septic Tank Pumping Frequency:

0 - 4 Years:	6	60%
4 - 6 Years:	0	0%
6 - 10 Years:	0	0%
+10 Years:	0	0%
Unknown:	4	40%
Never:	0	0%

Secondary Treatment:

Advanced Treatment System	0	0%
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Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 25 ft):

Yes:	9	90%
No:	0	0%
Unknown:	1	10%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well,
>75' - Gravel Pack Well, Shallow Well):

Yes:	N/A
No:	N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	5	50%
No:	4	40%
Unknown:	1	10%

Property Lines:

Meets EPR Standards (> 10 ft):

Yes:	8	80%
No:	1	10%
Unknown:	1	10%

PORTERS POINT

As of January 31, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	0	0%
Absorption Bed:	1	10%
Absorption Trench:	4	40%
At-Grade:	0	0%
Mound:	3	30%
Storage:	0	0%
Other:	0	0%
Unknown:	2	20%

Separate Gray Water System: 0 0%

Disposal System Located: 8 80%

Individual On-Site: 8 80%

Shared: 2 20%

Community: 0%

Gravity System: 2 20%

Distribution Box: 0 0%

Dosing Pump Station: 0 0%

Pressure Disposal System: 6 60%

Dosing Pump Station: 6 100%

Alarms: 4 67%

Unknown: 2 20%

Observations:

Surfacing effluent: 2 20%

Wet or spongy areas: 0 0%

Suspected Failed System: 0 0%

Odors present: 0 0%

"Best Fix" System: 0 0%

Area over system obstructed by large objects: 4 40%

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 50 ft):

Yes: 7 70%

No: 1 10%

Unknown: 2 20%

As of January 31, 2012

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (> 100' - Drilled Well,
>150' - Gravel Pack Well, Shallow Well):

Yes: N/A

No: N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes: 4 40%

No: 4 40%

Unknown: 2 20%

Property Lines:

Meets EPR Standards (> 25 ft):

Yes: 4 40%

No: 4 40%

Unknown: 2 20%

Designated Replacement Area:

Yes: 2 20%

No: 8 80%

Potential Room for a Replacement Area:

Yes: 2 20%

No: 8 80%

Potential Room for a Cluster:

Yes: 2 20%

No: 8 80%

Soils/Groundwater:

Depth to Bedrock:

0" - 24": 4 40%

24" - 36": 0 0%

36" - 48": 2 20%

> 48": 4 40%

No soil boring taken: 0 0%

PORTERS POINT

As of January 31, 2012

Soils/Groundwater (Cont.):

Depth to Estimated Seasonal High Water Table:

0" - 6":	2	20%
6" - 12":	1	10%
12" - 24":	1	10%
24" - 36":	2	20%
36" - 48":	0	0%
> 48":	4	40%
No soil boring taken:	0	0%

Primary Soil Type:

Sand:	0	0%
Loamy Sand:	0	0%
Sandy Loam:	2	20%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	1	10%
Silty Loam:	3	30%
Clay Loam:	0	0%
Sandy Clay:	0	0%
Silty Clay Loam:	1	10%
Silty Clay:	2	20%
Clay:	1	10%
No soil boring taken:	0	0%

MILLS POINT

As of January 31, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	85	
Permits Available	1	1%
Total Number of "Right-of-Entries" Received:	28	33%
Total Number Inspected:	14	16%
Permits Available	0	0%

Properties Visited:

Residency:		
Year Round:	8	57%
Seasonal:	6	43%
Residential:		
Single:	14	100%
Multi-Family:	0	0%
Commercial:	0	0%

Water System:

Type:		
Shallow Dug Well or Spring:	0	0%
Lake Intake:	0	0%
Bedrock Well:	0	0%
Municipal:	14	100%

Wastewater Treatment:

Primary Treatment		
Unknown:	0	0%
Cesspool:	0	0%
Septic Tank:	14	100%
Material:		
Concrete:	14	100%
Steel:	0	0%
Block:	0	0%
Fiberglass:	0	0%
Plastic:	0	0%
Unknown:	0	0%
Effluent Filter:	7	50%
Buried:	6	43%
Covers At-Grade (Accessible):	8	57%
Unknown:	0	0%

As of January 31, 2012

Wastewater Treatment (Cont.):

Septic Tank Pumping Frequency:

0 - 4 Years:	10	71%
4 - 6 Years:	1	7%
6 - 10 Years:	0	0%
+10 Years:	0	0%
Unknown:	3	21%
Never:	0	0%

Secondary Treatment:

Advanced Treatment System	8	57%
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Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 25 ft):

Yes:	14	100%
No:	0	0%
Unknown:	0	0%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well,
>75' - Gravel Pack Well, Shallow Well):

Yes:	N/A
No:	N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	6	43%
No:	8	57%
Unknown:	0	0%

Property Lines:

Meets EPR Standards (> 10 ft):

Yes:	14	100%
No:	0	0%
Unknown:	0	0%

MILLS POINT

As of January 31, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	0	0%
Absorption Bed:	1	7%
Absorption Trench:	2	14%
At-Grade:	1	7%
Mound:	4	29%
Storage:	1	7%
Other:	2	14%
Bottomless Sand Filter	2	100%
Unknown:	3	21%

Separate Gray Water System: 0 0%

Disposal System Located: 14 100%

Individual On-Site: 14 100%

Shared: 0 0%

Community: 0 0%

Gravity System: 6 43%

 Distribution Box: 2 33%

 Dosing Pump Station: 0 0%

Pressure Disposal System: 7 50%

 Dosing Pump Station: 6 86%

 Alarms: 6 100%

Unknown: 1 7%

Observations:

 Surfacing effluent: 0 0%

 Wet or spongy areas: 0 0%

 Suspected Failed System: 0 0%

 Odors present: 0 0%

 "Best Fix" System: 4 29%

 Area over system obstructed by large objects: 3 21%

Isolation Distances:

Bodies of Water:

 Meets EPR Standards (> 50 ft):

 Yes: 14 100%

 No: 0 0%

 Unknown: 0 0%

As of January 31, 2012

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (> 100' - Drilled Well,
>150' - Gravel Pack Well, Shallow Well):

Yes: N/A

No: N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes: 7 50%

No: 7 50%

Unknown: 0 0%

Property Lines:

Meets EPR Standards (> 25 ft):

Yes: 5 36%

No: 9 64%

Unknown: 0 0%

Designated Replacement Area:

Yes: 1 7%

No: 13 93%

Potential Room for a Replacement Area:

Yes: 5 36%

No: 9 64%

Potential Room for a Cluster:

Yes: 0 0%

No: 14 100%

Soils/Groundwater:

Depth to Bedrock:

0" - 24": 4 29%

24" - 36": 5 36%

36" - 48": 1 7%

> 48": 4 29%

No soil boring taken: 0 0%

MILLS POINT

As of January 31, 2012

Soils/Groundwater (Cont.):

Depth to Estimated Seasonal High Water Table:

0" - 6":	4	29%
6" - 12":	4	29%
12" - 24":	2	14%
24" - 36":	0	0%
36" - 48":	0	0%
> 48":	4	29%
No soil boring taken:	0	0%

Primary Soil Type:

Sand:	0	0%
Loamy Sand:	3	21%
Sandy Loam:	5	36%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	0	0%
Silty Loam:	2	14%
Clay Loam:	0	0%
Sandy Clay:	2	14%
Silty Clay Loam:	0	0%
Silty Clay:	1	7%
Clay:	1	7%
No soil boring taken:	0	0%

COLCHESTER POINT

As of January 31, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	61	
Permits Available	4	7%
Total Number of "Right-of-Entries" Received:	25	41%
Total Number Inspected:	6	10%
Permits Available	0	0%

Properties Visited:

Residency:		
Year Round:	0	0%
Seasonal:	6	100%
Residential:		
Single:	6	100%
Multi-Family:	0	0%
Commercial:	0	0%

Water System:

Type:		
Shallow Dug Well or Spring:	0	0%
Lake Intake:	0	0%
Bedrock Well:	0	0%
Municipal:	6	100%

Wastewater Treatment:

Primary Treatment		
Unknown:	0	0%
Cesspool:	0	0%
Septic Tank:	6	100%
Material:		
Concrete:	6	100%
Steel:	0	0%
Block:	0	0%
Fiberglass:	0	0%
Plastic:	0	0%
Unknown:	0	0%
Effluent Filter:	3	50%
Buried:	1	17%
Cover At-Grade (Accessible):	5	83%
Unknown:	0	0%

COLCHESTER POINT

As of January 31, 2012

Wastewater Treatment (Cont.):

Septic Tank Pumping Frequency:

0 - 4 Years:	4	67%
4 - 6 Years:	0	0%
6 - 10 Years:	0	0%
+10 Years:	0	0%
Unknown:	2	33%
Never:	0	0%

Secondary Treatment:

Advanced Treatment System	1	17%
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Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 25 ft):

Yes:	6	100%
No:	0	0%
Unknown:	0	0%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well, >75' - Gravel Pack Well, Shallow Well):

Yes:	N/A
No:	N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	2	33%
No:	4	67%
Unknown:	0	0%

Property Lines:

Meets EPR Standards (> 10 ft):

Yes:	4	67%
No:	2	33%
Unknown:	0	0%

COLCHESTER POINT

As of January 31, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	1	17%
Absorption Bed:	1	17%
Absorption Trench:	1	17%
At-Grade:	0	0%
Mound:	3	50%
Storage:	0	0%
Other:	0	0%
Unknown:	0	0%

Separate Gray Water System: 0 0%

Disposal System Located: 6 100%

Individual On-Site:	4	67%
Shared:	2	33%
Community:	0	0%

Gravity System:	3	50%
Distribution Box:	1	33%
Dosing Pump Station:	0	0%
Pressure Disposal System:	3	50%
Dosing Pump Station:	3	100%
Alarms:	2	67%
Unknown:	0	0%

Observations:

Surfacing effluent:	0	0%
Wet or spongy areas:	0	0%
Suspected Failed System:	0	0%
Odors present:	0	0%
"Best Fix" System:	1	17%
Area over system obstructed by large objects:	2	33%

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 50 ft):

Yes:	4	67%
No:	2	33%
Unknown:	0	0%

COLCHESTER POINT

As of January 31, 2012

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (> 100' - Drilled Well,
>150' - Gravel Pack Well, Shallow Well):

Yes: N/A

No: N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes: 4 67%

No: 2 33%

Unknown: 0 0%

Property Lines:

Meets EPR Standards (> 25 ft):

Yes: 3 50%

No: 3 50%

Unknown: 0 0%

Designated Replacement Area:

Yes: 1 17%

No: 5 83%

Potential Room for a Replacement Area:

Yes: 3 50%

No: 3 50%

Potential Room for a Cluster:

Yes: 0 0%

No: 6 100%

Soils/Groundwater:

Depth to Bedrock:

0" - 24": 0 0%

24" - 36": 0 0%

36" - 48": 0 0%

> 48": 6 100%

No soil boring taken: 0 0%

COLCHESTER POINT

As of January 31, 2012

Soils/Groundwater (Cont.):

Depth to Estimated Seasonal High Water Table:

0" - 6":	1	17%
6" - 12":	1	17%
12" - 24":	0	0%
24" - 36":	1	17%
36" - 48":	2	33%
> 48":	1	17%
No soil boring taken:	0	0%

Primary Soil Type:

Sand:	2	33%
Loamy Sand:	2	33%
Sandy Loam:	2	33%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	0	0%
Silty Loam:	0	0%
Clay Loam:	0	0%
Sandy Clay:	0	0%
Silty Clay Loam:	0	0%
Silty Clay:	0	0%
Clay:	0	0%
No soil boring taken:	0	0%

BROADLAKE

As of January 31, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	157	
Permits Available	15	10%
Total Number of "Right-of-Entries" Received:	59	38%
Total Number Inspected:	11	7%
Permits Available	2	18%

Properties Visited:

Residency:		
Year Round:	8	73%
Seasonal:	3	27%
Residential:		
Single:	11	100%
Multi-Family:	0	0%
Commercial:	0	0%

Water System:

Type:		
Shallow Dug Well or Spring:	0	0%
Lake Intake:	0	0%
Bedrock Well:	0	0%
Municipal:	11	100%

Wastewater Treatment:

Primary Treatment		
Unknown:	0	0%
Cesspool:	0	0%
Septic Tank:	11	100%
Material:		
Concrete:	11	100%
Steel:	0	0%
Block:	0	0%
Fiberglass:	0	0%
Plastic:	0	0%
Unknown:	0	0%
Effluent Filter:	2	18%
Buried:	7	64%
Cover At-Grade (Accessible):	4	36%
Unknown:	0	0%

As of January 31, 2012

Wastewater Treatment (Cont.):

Septic Tank Pumping Frequency:

0 - 4 Years:	7	64%
4 - 6 Years:	1	9%
6 - 10 Years:	0	0%
+10 Years:	0	0%
Unknown:	2	18%
Never:	1	9%

Secondary Treatment:

Advanced Treatment System	0	0%
---------------------------	---	----

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 25 ft):

Yes:	11	100%
No:	0	0%
Unknown:	0	0%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well,
>75' - Gravel Pack Well, Shallow Well):

Yes:	N/A
No:	N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	9	82%
No:	2	18%
Unknown:	0	0%

Property Lines:

Meets EPR Standards (< 10 ft):

Yes:	10	91%
No:	1	9%
Unknown:	0	0%

BROADLAKE

As of January 31, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	1	9%
Absorption Bed:	1	9%
Absorption Trench:	6	55%
At-Grade:	0	0%
Mound:	1	9%
Storage:	0	0%
Other:	0	0%
Unknown:	2	18%

Separate Gray Water System:	0	0%
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Disposal System Located:	11	100%
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Individual On-Site:	11	100%
---------------------	----	------

Shared:	0	0%
---------	---	----

Community:	0	0%
------------	---	----

Gravity System:	8	73%
-----------------	---	-----

Distribution Box:	5	63%
-------------------	---	-----

Dosing Pump Station:	0	0%
----------------------	---	----

Pressure Disposal System:	3	27%
---------------------------	---	-----

Dosing Pump Station:	3	100%
----------------------	---	------

Alarms:	1	33%
---------	---	-----

Unknown:	0	0%
----------	---	----

Observations:

Surfacing effluent:	0	0%
---------------------	---	----

Wet or spongy areas:	0	0%
----------------------	---	----

Suspected Failed System:	0	0%
--------------------------	---	----

Odors present:	0	0%
----------------	---	----

"Best Fix" System:	0	0%
--------------------	---	----

Area over system obstructed by large objects:	3	27%
---	---	-----

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 50 ft):

Yes:	7	64%
------	---	-----

No:	4	36%
-----	---	-----

Unknown:	0	0%
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As of January 31, 2012

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (> 100' - Drilled Well,
>150' - Gravel Pack Well, Shallow Well):

Yes: N/A

No: N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes: 7 64%

No: 4 36%

Unknown: 0 0%

Property Lines:

Meets EPR Standards (> 25 ft):

Yes: 3 27%

No: 8 73%

Unknown: 0 0%

Designated Replacement Area:

Yes: 2 18%

No: 9 82%

Potential Room for a Replacement Area:

Yes: 5 45%

No: 6 55%

Potential Room for a Cluster:

Yes: 1 9%

No: 10 91%

Soils/Groundwater:

Depth to Bedrock:

0" - 24": 1 9%

24" - 36": 0 0%

36" - 48": 0 0%

> 48": 9 82%

No soil boring taken: 1 9%

BROADLAKE

As of January 31, 2012

Soils/Groundwater (Cont.)

Depth to Estimated Seasonal High Water Table:

0" - 6":	0	0%
6" - 12":	0	0%
12" - 24":	0	0%
24" - 36":	1	9%
36" - 48":	2	18%
> 48":	7	64%
No soil boring taken:	1	9%

Primary Soil Type:

Sand:	7	64%
Loamy Sand:	1	9%
Sandy Loam:	1	9%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	0	0%
Silty Loam:	1	9%
Clay Loam:	0	0%
Sandy Clay:	0	0%
Silty Clay Loam:	0	0%
Silty Clay:	0	0%
Clay:	0	0%
No soil boring taken:	1	9%

BELWOOD

As of January 31, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	99	
Permits Available	10	10%
Total Number of "Right-of-Entries" Received:	36	36%
Total Number Inspected:	8	8%
Permits Available	0	0%

Properties Visited:

Residency:		
Year Round:	8	100%
Seasonal:	0	0%
Residential:		
Single:	7	88%
Multi-Family:	1	13%
Commercial:	0	0%

Water System:

Type:		
Shallow Dug Well or Spring:	0	0%
Lake Intake:	0	0%
Bedrock Well:	0	0%
Municipal:	8	100%

Wastewater Treatment:

Primary Treatment		
Unknown:	0	0%
Cesspool:	0	0%
Septic Tank:	8	100%
Material:		
Concrete:	7	88%
Steel:	0	0%
Block:	0	0%
Fiberglass:	0	0%
Plastic:	0	0%
Unknown:	1	13%
Effluent Filter:	1	13%
Buried:	6	75%
Cover At-Grade (Accessible):	2	25%
Unknown:	0	0%

As of January 31, 2012

Wastewater Treatment (Cont.):

Septic Tank Pumping Frequency:

0 - 4 Years:	3	38%
4 - 6 Years:	2	25%
6 - 10 Years:	0	0%
+10 Years:	0	0%
Unknown:	2	25%
Never:	1	13%

Secondary Treatment:

Advanced Treatment System	0	0%
---------------------------	---	----

Isolation Distances:

Bodies of Water:

Meets EPR Standards (>25 ft):

Yes:	8	100%
No:	0	0%
Unknown:	0	0%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well,
>75' - Gravel Pack Well, Shallow Well):

Yes:	N/A
No:	N/A

Service Water Lines:

Meets EPR Standards (>25 ft):

Yes:	6	75%
No:	2	25%
Unknown:	0	0%

Property Lines:

Meets EPR Standards (> 10 ft):

Yes:	8	100%
No:	0	0%
Unknown:	0	0%

As of January 31, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	0	0%
Absorption Bed:	2	25%
Absorption Trench:	4	50%
At-Grade:	0	0%
Mound:	2	25%
Storage:	0	0%
Other:	0	0%
Unknown:	0	0%

Separate Gray Water System: 1 13%

Disposal System Located: 7 88%

Individual On-Site: 8 100%
 Shared: 0 0%
 Community: 0 0%

Gravity System: 7 88%
 Distribution Box: 3 43%
 Dosing Pump Station: 0 0%
 Pressure Disposal System: 0 0%
 Dosing Pump Station: 0 #DIV/0!
 Alarms: 0 #DIV/0!
 Unknown: 1 13%

Observations:
 Surfacing effluent: 0 0%
 Wet or spongy areas: 0 0%
 Suspected Failed System: 0 0%
 Odors present: 0 0%
 "Best Fix" System: 0 0%
 Area over system obstructed by large objects: 1 13%

Isolation Distances:
 Bodies of Water:
 Meets EPR Standards (> 50 ft):
 Yes: 8 100%
 No: 0 0%
 Unknown: 0 0%

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (> 100' - Drilled Well,
>150' - Gravel Pack Well, Shallow Well):

Yes:	N/A	
No:	N/A	

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	7	88%
No:	1	13%
Unknown:	0	0%

Property Lines:

Meets EPR Standards (> 25 ft):

Yes:	1	13%
No:	7	88%
Unknown:	0	0%

Designated Replacement Area:

Yes:	5	63%
No:	3	38%

Potential Room for a Replacement Area:

Yes:	1	13%
No:	7	88%

Potential Room for a Cluster:

Yes:	0	0%
No:	8	100%

Soils/Groundwater:

Depth to Bedrock:

0" - 24":	0	0%
24" - 36":	0	0%
36" - 48":	0	0%
> 48":	8	100%
No SB administered:	0	0%

BELWOOD

As of January 31, 2012

Soils/Groundwater (Cont.):

Depth to Estimated Seasonal High Water Table:

0" - 6":	1	13%
6" - 12":	1	13%
12" - 24":	1	13%
24" - 36":	2	25%
36" - 48":	0	0%
> 48":	3	38%
No SB administered:	0	0%

Primary Soil Type:

Sand:	3	38%
Loamy Sand:	5	63%
Sandy Loam:	0	0%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	0	0%
Silty Loam:	0	0%
Clay Loam:	0	0%
Sandy Clay:	0	0%
Silty Clay Loam:	0	0%
Silty Clay:	0	0%
Clay:	0	0%
No SB administered:	0	0%

MEADOW

As of January 31, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	82	
Permits Available	9	11%
Total Number of "Right-of-Entries" Received:	26	32%
Total Number Inspected:	10	12%
Permits Available	2	20%

Properties Visited:

Residency:		
Year Round:	10	100%
Seasonal:	0	0%
Residential:		
Single:	10	100%
Multi-Family:	0	0%
Commercial:	0	0%

Water System:

Type:		
Shallow Dug Well or Spring:	0	0%
Lake Intake:	0	0%
Bedrock Well:	0	0%
Municipal:	10	100%

Wastewater Treatment:

Primary Treatment		
Unknown:	0	0%
Cesspool:	0	0%
Septic Tank:	10	100%
Material:		
Concrete:	10	100%
Steel:	0	0%
Block:	0	0%
Fiberglass:	0	0%
Plastic:	0	0%
Unknown:	0	0%
Effluent Filter:	1	10%
Buried:	7	70%
Lids (Accessible):	2	20%
Unknown:	1	10%

As of January 31, 2012

Wastewater Treatment (Cont.):

Septic Tank Pumping Frequency:

0 - 4 Years:	9	90%
4 - 6 Years:	1	10%
6 - 10 Years:	0	0%
+10 Years:	0	0%
Unknown:	0	0%
Never:	0	0%

Secondary Treatment:

Advanced Treatment System	0	0%
---------------------------	---	----

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 25 ft):

Yes:	10	100%
No:	0	0%
Unknown:	0	0%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well,
>75' - Gravel Pack Well, Shallow Well):

Yes:	N/A
No:	N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	8	80%
No:	2	20%
Unknown:	0	0%

Property Lines:

Meets EPR Standards (> 10 ft):

Yes:	10	100%
No:	0	0%
Unknown:	0	0%

MEADOW

As of January 31, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	0	0%
Absorption Bed:	4	40%
Absorption Trench:	5	50%
At-Grade:	0	0%
Mound:	1	10%
Storage:	0	0%
Other:	0	0%
Unknown:	0	0%

Separate Gray Water System:	1	10%
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Disposal System Located:	10	100%
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Individual On-Site:	10	100%
---------------------	----	------

Shared:	0	0%
---------	---	----

Community:	0	0%
------------	---	----

Gravity System:	9	90%
-----------------	---	-----

Distribution Box:	8	89%
-------------------	---	-----

Dosing Pump Station:	0	0%
----------------------	---	----

Pressure Disposal System:	1	10%
---------------------------	---	-----

Dosing Pump Station:	1	100%
----------------------	---	------

Alarms:	1	100%
---------	---	------

Unknown:	0	0%
----------	---	----

Observations:

Surfacing effluent:	0	0%
---------------------	---	----

Wet or spongy areas:	0	0%
----------------------	---	----

Suspected Failed System:	0	0%
--------------------------	---	----

Odors present:	0	0%
----------------	---	----

"Best Fix" System:	0	0%
--------------------	---	----

Area over system obstructed by large objects:	0	0%
---	---	----

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 50 ft):

Yes:	7	70%
------	---	-----

No:	3	30%
-----	---	-----

Unknown:	0	0%
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As of January 31, 2012

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (> 100' - Drilled Well,
>150' - Gravel Pack Well, Shallow Well):

Yes: N/A

No: N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes: 4 40%

No: 6 60%

Unknown: 0 0%

Property Lines:

Meets EPR Standards (> 25 ft):

Yes: 3 30%

No: 7 70%

Unknown: 0 0%

Designated Replacement Area:

Yes: 2 20%

No: 8 80%

Potential Room for a Replacement Area:

Yes: 2 20%

No: 8 80%

Potential Room for a Cluster:

Yes: 2 20%

No: 8 80%

Soils/Groundwater:

Depth to Bedrock:

0" - 24": 0 0%

24" - 36": 1 10%

36" - 48": 0 0%

> 48": 9 90%

No SB administered: 0 0%

MEADOW

As of January 31, 2012

Soils/Groundwater (Cont.):

Depth to Estimated Seasonal High Water Table:

0" - 6":	1	10%
6" - 12":	0	0%
12" - 24":	3	30%
24" - 36":	1	10%
36" - 48":	1	10%
> 48":	4	40%
No SB administered:	0	0%

Primary Soil Type:

Sand:	5	50%
Loamy Sand:	2	20%
Sandy Loam:	2	20%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	0	0%
Silty Loam:	1	10%
Clay Loam:	0	0%
Sandy Clay:	0	0%
Silty Clay Loam:	0	0%
Silty Clay:	0	0%
Clay:	0	0%
No SB administered:	0	0%

SHORE ACRES

As of January 31, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	74	
Permits Available	5	7%
Total Number of "Right-of-Entries" Received:	32	43%
Total Number Inspected:	10	14%
Permits Available	0	0%

Properties Visited:

Residency:		
Year Round:	10	100%
Seasonal:	0	0%
Residential:		
Single:	10	100%
Multi-Family:	0	0%
Commercial:	0	0%

Water System:

Type:		
Shallow Dug Well or Spring:	0	0%
Lake Intake:	0	0%
Bedrock Well:	0	0%
Municipal:	10	100%

Wastewater Treatment:

Primary Treatment		
Unknown:	0	0%
Cesspool:	0	0%
Septic Tank:	10	100%
Material:		
Concrete:	10	100%
Steel:	0	0%
Block:	0	0%
Fiberglass:	0	0%
Plastic:	0	0%
Unknown:	0	0%
Effluent Filter:	2	20%
Buried:	6	60%
Covers At-Grade (Accessible):	1	10%
Unknown:	3	30%

SHORE ACRES

As of January 31, 2012

Wastewater Treatment (Cont.):

Septic Tank Pumping Frequency:

0 - 4 Years:	5	50%
4 - 6 Years:	1	10%
6 - 10 Years:	1	10%
+10 Years:	0	0%
Unknown:	2	20%
Never:	1	10%

Secondary Treatment:

Advanced Treatment System	1	10%
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Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 25 ft):

Yes:	10	100%
No:	0	0%
Unknown:	0	0%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well,
>75' - Gravel Pack Well, Shallow Well):

Yes:	N/A
No:	N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	9	90%
No:	1	10%
Unknown:	0	0%

Property Lines:

Meets EPR Standards (> 10 ft):

Yes:	9	90%
No:	1	10%
Unknown:	0	0%

SHORE ACRES

As of January 31, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	0	0%
Absorption Bed:	0	0%
Absorption Trench:	5	50%
At-Grade:	0	0%
Mound:	2	20%
Storage:	0	0%
Other:	0	0%
Unknown:	3	30%

Separate Gray Water System: 0 0%

Disposal System Located: 10 100%

Individual On-Site: 10 100%

Shared: 0 0%

Community: 0 0%

Gravity System: 8 80%

Distribution Box: 5 63%

Dosing Pump Station: 0 0%

Pressure Disposal System: 2 20%

Dosing Pump Station: 2 100%

Alarms: 2 100%

Unknown: 0 0%

Observations:

Surfacing effluent: 0 0%

Wet or spongy areas: 0 0%

Suspected Failed System: 0 0%

Odors present: 0 0%

"Best Fix" System: 0 0%

Area over system obstructed by large objects: 3 30%

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 50 ft):

Yes: 10 100%

No: 0 0%

Unknown: 0 0%

As of January 31, 2012

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (> 100' - Drilled Well,
>150' - Gravel Pack Well, Shallow Well):

Yes: N/A

No: N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes: 9 90%

No: 1 10%

Unknown: 0 0%

Property Lines:

Meets EPR Standards (> 25 ft):

Yes: 5 50%

No: 5 50%

Unknown: 0 0%

Designated Replacement Area:

Yes: 4 40%

No: 6 60%

Potential Room for a Replacement Area:

Yes: 5 50%

No: 5 50%

Potential Room for a Cluster:

Yes: 0 0%

No: 10 100%

Soils/Groundwater:

Depth to Bedrock:

0" - 24": 0 0%

24" - 36": 1 10%

36" - 48": 0 0%

> 48": 8 80%

No soil boring taken: 1 10%

SHORE ACRES

As of January 31, 2012

Soils/Groundwater (Cont.):

Depth to Estimated Seasonal High Water Table:

0" - 6":	3	30%
6" - 12":	2	20%
12" - 24":	2	20%
24" - 36":	2	20%
36" - 48":	0	0%
> 48":	0	0%
No soil boring taken:	1	10%

Primary Soil Type:

Sand:	0	0%
Loamy Sand:	0	0%
Sandy Loam:	0	0%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	0	0%
Silty Loam:	3	30%
Clay Loam:	1	10%
Sandy Clay:	0	0%
Silty Clay Loam:	3	30%
Silty Clay:	1	10%
Clay:	1	10%
No soil boring taken:	1	10%

WILLIAMS ROAD

As of January 31, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	75	
Permits Available	27	36%
Total Number of "Right-of-Entries" Received:	35	47%
Total Number Inspected:	16	21%
Permits Available	1	6%

Properties Visited:

Residency:		
Year Round:	16	100%
Seasonal:	0	0%
Residential:		
Single:	7	44%
Multi-Family:	9	56%
Commercial:	0	0%

Water System:

Type:		
Shallow Dug Well or Spring:	0	0%
Lake Intake:	0	0%
Bedrock Well:	0	0%
Municipal:	16	100%

Wastewater Treatment:

Primary Treatment		
Unknown:	1	6%
Cesspool:	0	0%
Septic Tank:	15	94%
Material:		
Concrete:	14	93%
Steel:	0	0%
Block:	0	0%
Fiberglass:	0	0%
Plastic:	0	0%
Unknown:	1	7%
Effluent Filter:	0	0%
Buried:	14	93%
Cover At-Grade (Accessible):	0	0%
Unknown:	1	7%

WILLIAMS ROAD

As of January 31, 2012

Wastewater Treatment (Cont.):

Septic Tank Pumping Frequency:

0 - 4 Years:	12	75%
4 - 6 Years:	1	6%
6 - 10 Years:	0	0%
+10 Years:	0	0%
Unknown:	3	19%
Never:	0	0%

Secondary Treatment:

Advanced Treatment System	0	0%
---------------------------	---	----

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 25 ft):

Yes:	15	94%
No:	0	0%
Unknown:	1	6%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well,
>75' - Gravel Pack Well, Shallow Well):

Yes:	N/A
No:	N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	15	94%
No:	0	0%
Unknown:	1	6%

Property Lines:

Meets EPR Standards (> 10 ft):

Yes:	15	94%
No:	0	0%
Unknown:	1	6%

WILLIAMS ROAD

As of January 31, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	0	0%
Absorption Bed:	1	6%
Absorption Trench:	14	88%
At-Grade:	0	0%
Mound:	0	0%
Storage:	0	0%
Other:	0	0%
Unknown:	1	6%

Separate Gray Water System: 0 0%

Disposal System Located: 15 94%

Individual On-Site: 15 94%

Shared: 0 0%

Community: 0 0%

Gravity System: 14 88%

Distribution Box: 12 86%

Dosing Pump Station: 0 0%

Pressure Disposal System: 0 0%

Dosing Pump Station: 0 #DIV/0!

Alarms: 0 #DIV/0!

Unknown: 2 13%

Observations:

Surfacing effluent: 0 0%

Wet or spongy areas: 0 0%

Suspected Failed System: 0 0%

Odors present: 0 0%

"Best Fix" System: 0 0%

Area over system obstructed by large objects: 2 13%

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 50 ft):

Yes: 15 94%

No: 0 0%

Unknown: 1 6%

As of January 31, 2012

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (> 100' - Drilled Well,
>150' - Gravel Pack Well, Shallow Well):

Yes: N/A

No: N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes: 15 94%

No: 0 0%

Unknown: 1 6%

Property Lines:

Meets EPR Standards (> 25 ft):

Yes: 12 75%

No: 3 19%

Unknown: 1 6%

Designated Replacement Area:

Yes: 12 75%

No: 4 25%

Potential Room for a Replacement Area:

Yes: 1 6%

No: 15 94%

Potential Room for a Cluster:

Yes: 0 0%

No: 16 100%

Soils/Groundwater:

Depth to Bedrock:

0" - 24": 1 6%

24" - 36": 0 0%

36" - 48": 0 0%

> 48": 15 94%

No soil boring taken: 0 0%

WILLIAMS ROAD

As of January 31, 2012

Soils/Groundwater (Cont.):

Depth to Estimated Seasonal High Water Table:

0" - 6":	0	0%
6" - 12":	0	0%
12" - 24":	1	6%
24" - 36":	1	6%
36" - 48":	1	6%
> 48":	13	81%
No soil boring taken:	0	0%

Primary Soil Type:

Sand:	13	81%
Loamy Sand:	1	6%
Sandy Loam:	2	13%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	0	0%
Silty Loam:	0	0%
Clay Loam:	0	0%
Sandy Clay:	0	0%
Silty Clay Loam:	0	0%
Silty Clay:	0	0%
Clay:	0	0%
No soil boring taken:	0	0%

VILLAGE DRIVE

As of January 31, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	144	
Permits Available	13	9%
Total Number of "Right-of-Entries" Received:	59	41%
Total Number Inspected:	7	5%
Permits Available	0	0%

Properties Visited:

Residency:		
Year Round:	7	100%
Seasonal:	0	0%
Residential:		
Single:	6	86%
Multi-Family:	0	0%
Commercial:	1	14%

Water System:

Type:		
Shallow Dug Well or Spring:	0	0%
Lake Intake:	0	0%
Bedrock Well:	0	0%
Municipal:	7	100%

Wastewater Treatment:

Primary Treatment		
Unknown:	1	14%
Cesspool:	0	0%
Septic Tank:	6	86%
Material:		
Concrete:	5	83%
Steel:	1	17%
Block:	0	0%
Fiberglass:	0	0%
Plastic:	0	0%
Unknown:	0	0%
Effluent Filter:	0	0%
Buried:	3	50%
Cover At-Grade (Accessible):	0	0%
Unknown:	3	50%

VILLAGE DRIVE

As of January 31, 2012

Wastewater Treatment (Cont.):

Septic Tank Pumping Frequency:

0 - 4 Years:	1	14%
4 - 6 Years:	2	29%
6 - 10 Years:	2	29%
+10 Years:	0	0%
Unknown:	1	14%
Never:	1	14%

Secondary Treatment:

Advanced Treatment System	0	0%
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Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 25 ft):

Yes:	6	86%
No:	0	0%
Unknown:	1	14%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well,
>75' - Gravel Pack Well, Shallow Well):

Yes:	N/A
No:	N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	5	71%
No:	1	14%
Unknown:	1	14%

Property Lines:

Meets EPR Standards (> 10 ft):

Yes:	6	86%
No:	0	0%
Unknown:	1	14%

VILLAGE DRIVE

As of January 31, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	1	14%
Absorption Bed:	0	0%
Absorption Trench:	4	57%
At-Grade:	0	0%
Mound:	0	0%
Storage:	0	0%
Other:	0	0%
Unknown:	2	29%

Separate Gray Water System:	1	14%
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Disposal System Located:	6	86%
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Individual On-Site:	6	86%
Shared:	0	0%
Community:	0	0%

Gravity System:	5	71%
Distribution Box:	1	20%
Dosing Pump Station:	0	0%
Pressure Disposal System:	0	0%
Dosing Pump Station:	0	#DIV/0!
Alarms:	0	#DIV/0!
Unknown:	2	29%

Observations:

Surfacing effluent:	1	14%
Wet or spongy areas:	1	14%
Suspected Failed System:	1	14%
Odors present:	1	14%
"Best Fix" System:	0	0%
Area over system obstructed by large objects:	0	0%

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 50 ft):

Yes:	7	100%
No:	0	0%
Unknown:	0	0%

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (> 100' - Drilled Well,
>150' - Gravel Pack Well, Shallow Well):

Yes:	N/A	
No:	N/A	

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	4	57%
No:	2	29%
Unknown:	1	14%

Property Lines:

Meets EPR Standards (> 25 ft):

Yes:	3	43%
No:	3	43%
Unknown:	1	14%

Designated Replacement Area:

Yes:	1	14%
No:	6	86%

Potential Room for a Replacement Area:

Yes:	6	86%
No:	1	14%

Potential Room for a Cluster:

Yes:	1	14%
No:	6	86%

Soils/Groundwater:

Depth to Bedrock:

0" - 24":	0	0%
24" - 36":	0	0%
36" - 48":	0	0%
> 48":	6	86%
No soil boring taken:	1	14%

VILLAGE DRIVE

As of January 31, 2012

Soils/Groundwater (Cont.):

Depth to Estimated Seasonal High Water Table:

0" - 6":	0	0%
6" - 12":	1	14%
12" - 24":	0	0%
24" - 36":	0	0%
36" - 48":	0	0%
> 48":	5	71%
No soil boring taken:	1	14%

Primary Soil Type:

Sand:	5	71%
Loamy Sand:	0	0%
Sandy Loam:	0	0%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	0	0%
Silty Loam:	0	0%
Clay Loam:	1	14%
Sandy Clay:	0	0%
Silty Clay Loam:	0	0%
Silty Clay:	0	0%
Clay:	0	0%
No soil boring taken:	1	14%

CANYON ESTATES

As of January 31, 2012

Right of Entry Responses:

Total Number of Right of Entries Distributed:	90	
Permits Available	7	8%
Total Number of "Right-of-Entries" Received:	27	30%
Total Number Inspected:	4	4%
Permits Available	0	0%

Properties Visited:

Residency:		
Year Round:	4	100%
Seasonal:	0	0%
Residential:		
Single:	4	100%
Multi-Family:	0	0%
Commercial:	0	0%

Water System:

Type:		
Shallow Dug Well or Spring:	0	0%
Lake Intake:	0	0%
Bedrock Well:	0	0%
Municipal:	4	100%

Wastewater Treatment:

Primary Treatment		
Unknown:	0	0%
Cesspool:	0	0%
Septic Tank:	4	100%
Material:		
Concrete:	3	75%
Steel:	0	0%
Block:	0	0%
Fiberglass:	1	25%
Plastic:	0	0%
Unknown:	0	0%
Effluent Filter:	0	0%
Buried:	2	50%
Cover At-Grade (Accessible):	2	50%
Unknown:	0	0%

CANYON ESTATES

As of January 31, 2012

Wastewater Treatment (Cont.):

Septic Tank Pumping Frequency:

0 - 4 Years:	1	25%
4 - 6 Years:	1	25%
6 - 10 Years:	1	25%
+10 Years:	0	0%
Unknown:	1	25%
Never:	0	0%

Secondary Treatment:

Advanced Treatment System	0	0%
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Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 25 ft):

Yes:	4	100%
No:	0	0%
Unknown:	0	0%

Water Supplies:

Meets EPR Standards (> 50' - Drilled Well,
>75' - Gravel Pack Well, Shallow Well):

Yes:	N/A
No:	N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes:	3	75%
No:	1	25%
Unknown:	0	0%

Property Lines:

Meets EPR Standards (> 10 ft):

Yes:	4	100%
No:	0	0%
Unknown:	0	0%

CANYON ESTATES

As of January 31, 2012

Wastewater Disposal System:

Type of Disposal System:

Seepage Pit/Drywell:	0	0%
Absorption Bed:	0	0%
Absorption Trench:	3	75%
At-Grade:	0	0%
Mound:	1	25%
Storage:	0	0%
Other:	0	0%
Unknown:	0	0%

Separate Gray Water System: 0 0%

Disposal System Located: 4 100%

Individual On-Site: 4 100%

Shared: 0 0%

Community: 0 0%

Gravity System: 4 100%

Distribution Box: 3 75%

Dosing Pump Station: 0 0%

Pressure Disposal System: 0 0%

Dosing Pump Station: 0 #DIV/0!

Alarms: 0 #DIV/0!

Unknown: 0 0%

Observations:

Surfacing effluent: 0 0%

Wet or spongy areas: 0 0%

Suspected Failed System: 0 0%

Odors present: 0 0%

"Best Fix" System: 0 0%

Area over system obstructed by large objects: 0 0%

Isolation Distances:

Bodies of Water:

Meets EPR Standards (> 50 ft):

Yes: 4 100%

No: 0 0%

Unknown: 0 0%

As of January 31, 2012

Wastewater Disposal System (Cont.):

Isolation Distances (Cont.):

Water Supplies:

Meets EPR Standards (> 100' - Drilled Well,
>150' - Gravel Pack Well, Shallow Well):

Yes: N/A

No: N/A

Service Water Lines:

Meets EPR Standards (> 25 ft):

Yes: 3 75%

No: 1 25%

Unknown: 0 0%

Property Lines:

Meets EPR Standards (> 25 ft):

Yes: 1 25%

No: 3 75%

Unknown: 0 0%

Designated Replacement Area:

Yes: 0 0%

No: 4 100%

Potential Room for a Replacement Area:

Yes: 2 50%

No: 2 50%

Potential Room for a Cluster:

Yes: 0 0%

No: 4 100%

Soils/Groundwater:

Depth to Bedrock:

0" - 24": 0 0%

24" - 36": 0 0%

36" - 48": 0 0%

> 48": 4 100%

No soil boring taken: 0 0%

CANYON ESTATES

As of January 31, 2012

Soils/Groundwater (Cont.):

Depth to Estimated Seasonal High Water Table:

0" - 6":	0	0%
6" - 12":	0	0%
12" - 24":	0	0%
24" - 36":	2	50%
36" - 48":	1	25%
> 48":	1	25%
No soil boring taken:	0	0%

Primary Soil Type:

Sand:	4	100%
Loamy Sand:	0	0%
Sandy Loam:	0	0%
Silt:	0	0%
Medium Loam:	0	0%
Sandy Clay Loam:	0	0%
Silty Loam:	0	0%
Clay Loam:	0	0%
Sandy Clay:	0	0%
Silty Clay Loam:	0	0%
Silty Clay:	0	0%
Clay:	0	0%
No soil boring taken:	0	0%