

DRAFT	Town Overview	Why the Wastewater Management Program Was Created
Block Island	<ul style="list-style-type: none"> • Island community of 10 square miles, 10 miles offshore, 42% in conservation • Population: Year-round 1,000; summer overnight 10,000 plus thousands of day trippers and up to 1500 boats in harbors. • 1,268 onsite treatment systems • Public sewer and water utilities serve the major business district; over 200 buildings on sewer. 	<ul style="list-style-type: none"> • High quality ground and surface waters essential for preservation of unique natural resources, on which the island's economy, water supply, and character are based • Sole source aquifers have limited yield and are vulnerable to contamination. • Ensure proper system function and maintenance. • Prevent system failure at high-use rentals and seasonal dwellings. • Reserve sewers for central core and control sprawl in outlying areas. • Identify appropriate technologies for wetland buffers and other critical areas.
Charlestown	<ul style="list-style-type: none"> • Population 7,860. • 4,200 onsite treatment systems • No municipal water or sewer 	<ul style="list-style-type: none"> • Maintain high quality of sole source aquifers. • Protect private wells and small public supplies. • Re-open Green Hill and eastern Ninigret Ponds to shellfishing, protect other coastal ponds and sensitive water resources. • Maintain high value of coastal real estate. • Ensure proper on-site system function and maintenance as a permanent treatment option. • Prevent system failure with high-use rentals and seasonal homes; cesspools, and other outdated systems in densely developed shorelines.
Jamestown	<ul style="list-style-type: none"> • Population 5,620 • 1724 onsite treatment systems • Municipal water and sewer serves the town center. 	<ul style="list-style-type: none"> • Protect very limited water resources for public supply and private wells. • Prevent system failure in areas with small substandard lots, outdated systems, poor soils, and private wells. • Reserve public water and sewers for the town center.
Johnston	Population: 28,000	
North Kingstown	Slightly less than 10,000 septic systems	
South Kingstown	<ul style="list-style-type: none"> • Population 27,900. • 6600 onsite treatment systems • Municipal sewer serves the town center and URI. Public water serves village centers and a portion of densely settled coastal areas. 	<ul style="list-style-type: none"> • Maintain high quality of sole source aquifers. • Protect private wells and small public supplies. • Restore Green Hill Pond to pre-1970 condition, protect other coastal ponds and sensitive water resources • Ensure proper on-site system function and maintenance as a permanent treatment option. • Prevent system failure with high-use rentals and seasonal dwellings, densely developed shorelines, and outdated systems. • Reserve sewers for central core and control sprawl in outlying areas.

Tiverton		
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DRAFT	Program Summary	Program Details
Block Island	Developed a wastewater management ordinance and amended zoning ordinance (section 506). The wastewater management ordinance established an inspection and maintenance program, while the amended zoning ordinance established treatment standards and cesspool phase-out, and set up critical resource areas (ie. sands pond, well head protection area) and implemented a town wide access riser and effluent filter upgrade program.	<ul style="list-style-type: none"> • Administered by the Building Official's office, with town inspector • Zoning Ordinance Section 506 identifies critical resource areas for performance based treatment standards (ie. nitrogen and pathogen removal). • Wastewater management ordinance establishes an inventory, inspection and maintenance program. Town inspector physically performs all inspections and reports directly to the building official. Inspection schedule, pumpout intervals, and repairs are determined on an individual basis, based on individual inspection results. • Block Island mandated all substandard systems (steel tanks and cesspools) be removed by 12/31/05 • All functioning tanks must be retrofitted with access risers and effluent filter • Block Island tracks operation and maintenance of all I&A systems on the island • Building Official reviews new applications before DEM permit review. Town submits letter to designer which is submitted to DEM with permit application
Charlestown	Developed a wastewater management ordinance that established an inspection and maintenance program of approximately 5000 septic systems; divided the Town into three wastewater districts. Charlestown is currently in the process of developing performance based treatment standards. The Town has no sewage treatment plant for disposal and treatment of pumped septage and limited regional capacity. A septage study was recently completed that addressed these and future concerns and issues.	<ul style="list-style-type: none"> • The wastewater management ordinance is administered by the Department of Public Works, Wastewater Management Division. Inspections are conducted by private town approved Service Providers. • Town requires the installation of 1500 gallon two compartment septic tanks on new systems. • The Cesspool Phase Out Program mandates that all cesspools must be pumped and inspected annually until removed and replaced with a standard ISDS by May 2009. • Town regulates flexible pumping and inspection schedules, as determined by private Service Providers, based on the system's usage and condition. • An approved RIDEM ISDS application is required before the town building official will review building plan. • A Point of Sale inspection is required; a house inspection that was done as part of the closing requirements and includes a septic inspection is acceptable
Jamestown	Developed a wastewater management ordinance and High Groundwater Ordinance (zoning ordinance that creates an overlay district for critical management). The wastewater management ordinance established an inspection and maintenance program, while the High Groundwater Ordinance addresses performance based treatment standards as wells as stormwater / runoff controls. First community to address the stormwater and wastewater issues.	<ul style="list-style-type: none"> • Program is administrated by Public Works Department, inspections are conducted by private town approved inspectors • Town wide inspection and maintenance program. Pump outs and repairs required based on inspection results. • Zoning ordinance specifies setbacks, locations, critical resource areas, and use of I&A technologies (performance standards) • High Ground Water Overlay District limits development on highly marginal sites. • Cesspools are defined as substandard but there is currently no cesspool phase-out in place.

		<ul style="list-style-type: none"> • DEM permit is required before town building official will approve ISDS plan. • Private inspectors register with town and sign professional conduct agreement (30 inspectors fell to 17). Registration is free and Inspectors have to have separate certification to inspect and maintain advanced treatment systems. • Town requires inspectors to inform town when they will complete an inspection, allowing for public works employee to be present to spot check inspection. • Point of Sale inspection recommended but not required.
Johnston	In 1999 the Town of Johnston passed an ordinance that created the WWMB. The WWMB then, along with URI, RIDEM, and local officials, assembled "Rules and Regulations" for the inspection of the approximately 4400 ISDS in the Town. The Town does have some areas connected to a sanitary sewer system that is tied into The Narragansett Bay Commission system.	<ul style="list-style-type: none"> • The Wastewater Management Board, working with the Public Works Director, administers the Wastewater Management Ordinance. • Inspections are performed by private, Town approved providers that have completed URI INSP100 and/or INSP200 • We do not have a cesspool phase out plan. • The regulations do not contain any penalty for failure to comply with the "mandatory" inspection requirement. • We do not require inspections prior to sale. • The Board recently targeted a specific area to improve inspection returns due to higher level of failures/repairs and the proximity to a water body. • Created in-house software to develop a database of each ISDS.
North Kingstown	North Kingstown has an ordinance that requires property owners to maintain their ISDS or cesspool. The ordinance requires that cesspools and septic systems be inspected and/or pumped every three years.	
South Kingstown	Developed a wastewater management plan and ordinance that established an inspection and maintenance program. South Kingstown is currently in the process of developing performance based treatment standards. Town is tracking the operation and maintenance of I&A Technologies.	<ul style="list-style-type: none"> • The Wastewater management ordinance is administered by Public Works Department, inspections are completed by private town approved inspectors • Pumping and inspection intervals based on inspector recommendations • Point of sale inspections required within one year of property transfer • Any system installed prior to 1970 must be pumped out as part of the first maintenance inspection • Cesspools must be replaced within 5 years of first maintenance inspection
Tiverton	Developed a wastewater management ordinance and amended zoning ordinance. The Wastewater Management Ordinance established an inspection and maintenance program, while the amended zoning ordinance established required cesspool phase-out within the Stafford Pond Watershed. Critical resource areas (ie. Stafford Pond Watershed, Nanaquaket Pond Watershed, Nonquit Pond Watershed and the Sakonnet Waterfront) will begin inspection and maintenance programs on two (2) year intervals. Once the critical resource areas have been incorporated into the inspection and maintenance program, those sections of town that remain un-sewered will be incorporated into the inspection and maintenance	<ul style="list-style-type: none"> • Program is administrated by Wastewater Management Commission, inspections are conducted by private town approved inspectors • Risk based phase in of inspection and maintenance program. Five (5) critical resource areas identified in plan. Pump outs and repairs required based on inspection results. • Cesspools are defined as substandard. All properties found to have cesspools during their mandatory inspection must upgrade. For properties serviced by cesspools that are sold, the cesspool must be upgraded by the new owner within 12 months of the sale

	<p>program. Cesspool phase-out will either be triggered by the sale of the property or when the property begins their inspection and maintenance program. A town wide access riser upgrade requirement is included in the program. Effluent filters are recommended but not required.</p>	<p>of the property. Private inspectors register with town and sign professional conduct agreement (Initial list of inspectors 16). Registration is free and Inspectors have to have separate certification to inspect and maintain advanced treatment systems. All reporting to be through web based RIWIS tracking program.</p>
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DRAFT	Inspections, Maintenance, and Upgrades	Cesspool Phaseout?
Block Island	<ul style="list-style-type: none"> • Town Inspector performs all inspections. • Maintenance regulations for enhanced treatment systems being developed. • Upgrades of cesspools and addition of access risers and filters mandated by 12/31/05. 	
Charlestown	<ul style="list-style-type: none"> • Inspections are performed as needed; once every 3 years in standard, but can be increased to up to once every 5 years. • Alternative systems must be inspected annually. • Pumpouts should occur as needed, but not less than every 6 years • Pumpers must notify the town after they pump. • . 	The Cesspool Phase Out Program mandates that all cesspools must be pumped and inspected annually until removed and replaced with a standard ISDS by May 2009.
Jamestown	<ul style="list-style-type: none"> • Private, town-approved inspectors • Mandate electronic reporting of inspections and maintenance for advanced systems as of Sep. 1, 2007 • Currently in the second year of Routine Maintenance Inspection • Pumpouts occur as needed, and owners must provide pumpout completion notices for required maintenance. 	
Johnston		Do not have a cesspool phaseout plan
North Kingstown	<ul style="list-style-type: none"> • Cesspools and septic systems must be inspected and/or pumped every three years. • Owners must provide pumpout completion notices for required maintenance. 	Do not have a cesspool phaseout plan
South Kingstown	Pumping and inspection intervals based on inspector recommendations	Cesspools must be replaced within 5 years of first maintenance inspection or within 1 year of property sale.
Tiverton	<ul style="list-style-type: none"> • Inspections are conducted by private town approved inspectors • Owners must provide pumpout completion notices for required maintenance. 	<ul style="list-style-type: none"> • Cesspools are defined as substandard. All properties found to have cesspools during their mandatory inspection must upgrade. For properties serviced by cesspools that are sold, the cesspool must be upgraded by the new owner within 12 months of the sale of the property. • In Stafford Pond watershed Protection Overlay District by 2005

DRAFT	Requirements for Service Providers	System Inventory and Tracking
Block Island		Recently completed the transition to web-based inventory and tracking program (RIWIS).
Charlestown	<ul style="list-style-type: none"> • Service Providers submit reports online using secure username and password. • Service providers can recommend changes to inspection frequency. • Inspectors must pass URI conventional inspection course and show liability insurance of \$1 million. Alternative system inspectors must also pass the URI innovative and alternative course. • Pumpers must show ability to discharge at an approved treatment facility and must notify the town after they pump. 	<ul style="list-style-type: none"> • Contracted with Carmody (RIWIS), an online data services company, for web-based tracking program. Data services include: reporting, tracking inventory, with automatic notices, red flags, violation reports etc. • Operation & Maintenance contracts for all installed Innovative & Alternative (I/A) systems are tracked for compliance.
Jamestown	<ul style="list-style-type: none"> • \$1 million liability insurance • Professional conduct statement • Electronic reporting through RIWIS 	<ul style="list-style-type: none"> • Using RIWIS (Carmody) since 2002. First town in NE to contract with online data services company for web-based tracking program. Data services include: reporting, tracking inventory, with automatic notices, red flags, violation reports etc. Inspectors submit reports online using secure username and password. • Start mandatory inspection and maintenance reporting in Sep. 2007
Johnston		<ul style="list-style-type: none"> • Current in-house software is cumbersome, limited, and too expensive to update for our current needs • Converting to Carmody (RIWIS) in near future.
North Kingstown		Currently use SEPTRAK but switching to RIWIS
South Kingstown	<ul style="list-style-type: none"> • Service providers must complete a training course in inspection methodology or be a state certified Class II or Class III ISDS designer. • Service providers provide copy of inspection report to town as well as to property owners. 	<ul style="list-style-type: none"> • Private inspectors submit paper reports for processing; town wastewater specialist manually inputs data into excel based tracking program which was developed by town Information Technology Staff. • Town is tracking the operation and maintenance of I&A Technologies.
Tiverton	<ul style="list-style-type: none"> • Service providers must complete a town approved course in septic system inspection. • Service providers provide copy of inspection report to town as well as to property owners. 	<ul style="list-style-type: none"> • Member of the RIWIS web-based tracking program. Data services include: reporting, tracking inventory, with automatic notices, red flags, violation reports etc. Inspectors submit reports online using secure username and password.

DRAFT	Management of Alternative Systems	Treatment Standards
Block Island	<ul style="list-style-type: none"> • Locations and configuration of alternative systems now in tracking system. • Annual operation and maintenance agreement required for any system with a pump. • Detailed maintenance regulations being prepared. 	Performance based treatment standards in place since 1998. Advanced treatment (T2) required based on location in shoreline buffers, drinking water sources and soil types.
Charlestown	<ul style="list-style-type: none"> • Operation & Maintenance contracts for all installed Innovative & Alternative (I/A) systems are tracked for compliance. • Alternative systems must be inspected annually. 	Charlestown is currently in the process of developing performance based treatment standards.
Jamestown		Overlay district in Jamestown Shores requires advanced treatment systems and stormwater controls.
Johnston		
North Kingstown		
South Kingstown	The Town is tracking the operation and maintenance of I&A Technologies.	South Kingstown is currently in the process of developing performance based treatment standards.
Tiverton		

DRAFT	Public Education and Participation	Administration and Staffing
Block Island	Extensive public education (newspaper articles, advertisements, mailings, etc.)	<ul style="list-style-type: none"> Administered by Block Island Steering Committee, a town board composed of appointed and elected officials and staff oversees development of the program Staffing by Wastewater Management Office Manager, Wastewater Management Inspector, and Wastewater Management Contract Inspector
Charlestown	<ul style="list-style-type: none"> Contracted with University of Rhode Island for public education and outreach (newspaper articles, advertisements, mailings, in-depth website, fact sheets, public workshops, etc) www.uri.edu/ce/wq/bighp.html www.charlestownri.org 	<ul style="list-style-type: none"> Administered by the Charlestown Wastewater Management Commission, a town board composed of seven appointed volunteers Staffing by Onsite Wastewater Management Specialist; 40 Hours with benefits
Jamestown	<ul style="list-style-type: none"> Website Mailings Public displays Newspaper articles 	<ul style="list-style-type: none"> Program managed by Wastewater Management Specialist through Public Works Department with support from Planning Department Staffed by Town Engineer, who spends 5 hours a week running wastewater management program and Town Consultant, who spends 10 hours a week managing program
Johnston	Produced educational mailings with the assistance of URI	<ul style="list-style-type: none"> The Johnston Wastewater Management Board is composed of seven (7) members who are paid a stipend. Staffed by 1 Part time employee; Approximately 12 – 15 hours per week
North Kingstown	Fact sheets, newspaper articles, quarterly water bill newsletters, the NK Environmental Fair, Groundwater Committee, and URI Healthy Landscapes Program	<ul style="list-style-type: none"> Water department staff spend an average of 15 hours/week on wastewater issues No staff members are solely dedicated to the program; 2 full-time staff and 2 part-time staff share responsibilities
South Kingstown	<ul style="list-style-type: none"> Working with University of Rhode Island for public education and outreach (newspaper articles, advertisements, mailings, in-depth website, fact sheets, public workshops, etc) www.uri.edu/ce/wq/bighp.html 	<ul style="list-style-type: none"> Conservation Commission oversees program development, with support from Planning Department Staffed by Wastewater Management Specialist at 17.5 Hours week with benefits
Tiverton	<ul style="list-style-type: none"> Public education program (mailings, in-depth website, fact sheets, public workshops, etc) currently being developed. URI produced fact sheets currently being used. Full page dedicated to On-Site Wastewater Program on the Town's web site. The URL for web page is: http://www.tiverton.ri.gov/government/wastewater2.html 	<ul style="list-style-type: none"> Program managed by the Wastewater Superintendent with support from the Wastewater Management Commission. Program staffed by Wastewater Superintendent (10-percent of time allocated to running wastewater management program) and Wastewater Billing Clerk (5-percent of time allocated for data entry and program tasks).

DRAFT	Staffing Responsibilities	
Block Island	<p><i>Office Manager:</i></p> <ul style="list-style-type: none"> • Manage town database • Input inspection reports into online database • Issues Inspection notices and reminder notices • Issue upgrade notices • Produce status reports • Manage education and outreach program • Manage Riser and Filter Rebate Program <p><i>Wastewater Management Inspector:</i></p> <ul style="list-style-type: none"> • Complete Inspections • Issue Notice of Violation for failed systems • Review NOV and Violation notices <p><i>Building Official:</i></p> <ul style="list-style-type: none"> • Approves Violation Notices • Reviews I/A designs under section 506 	
Charlestown	<ul style="list-style-type: none"> • Manage town database • Issue Notice of Violation for failed systems • Issues Inspection notices and reminder notices • Issue upgrade notices • Produce status reports • Input inspection results into database • Coordinate with building and planning departments to review and approve development plans • Manage education and outreach program • Manage Riser and Filter Rebate Program • Updates Service Provider information and eligibility. • Educates and assists homeowners with maintenance and/or replacement of system 	
Jamestown	<ul style="list-style-type: none"> • Manage town database • Review inspection reports submitted electronically to town • Issue Notice of Violation for failed systems • Issues Inspection notices and reminder notices • Spot check inspections • Produce status reports • Manage education and outreach program • Manage Riser and Filter rebate program • Writing grants • Review of ISDS designs in critical areas, zoning and land development applications involving onsite wastewater treatment systems. 	

Johnston	<ul style="list-style-type: none"> • Manage Town database • Issue Notice of Violations for failed systems • Notify RIDEM of possible failures • Coordinate Board meetings, prepare agendas, etc. • Answer all inquires from the public • Initiate process for loan program with homeowner 	
North Kingstown		
South Kingstown	<ul style="list-style-type: none"> • Manage town database • Input inspection reports into database • Issue Notice of Violation for failed systems • Issues Inspection notices and reminder notices • Issue upgrade notices • Produce status reports • Manage education and outreach program • Manage Riser and Filter Rebate Program 	
Tiverton	<ul style="list-style-type: none"> • Manage town database • Review inspection reports submitted electronically to town • Issue Notice of Violation for failed systems • Issues Inspection notices and reminder notices • Spot check inspections • Produce status reports • Manage education and outreach program • Manage Riser and Filter rebate program • Writing grants • Review of ISDS designs in critical areas, zoning and land development applications involving onsite wastewater treatment systems. 	

DRAFT	Budget	Public Financial Aid
Block Island	<p>Projected Future Budget:</p> <ul style="list-style-type: none"> • \$87,573.00 • Includes inspection to be paid for by the town and completed by town staff <p>Financing:</p> <ul style="list-style-type: none"> • Current EPA Program grant support ends August 15, 2007. • The Town will issue an ISDS assessment to partially fund the wastewater management program. Remaining funds will be deducted from the town's general fund. 	<p>CCSLP Loans:</p> <ul style="list-style-type: none"> • \$500,000 Total • All funds currently expended • 34 systems replaced • Town is currently requesting more funds, awaiting September decision. <p>Homeowner Aid:</p> <ul style="list-style-type: none"> • Town has a \$350 rebate for mandatory access riser and effluent filter requirement • Town has additional \$1,000 rebate for low / fixed income residents to comply with mandatory riser and filter upgrade requirement
Charlestown	<p>Financing: Current EPA Program grant support ends August 2007. Current FY '07-'08 and proposed Town Department budget: \$75,000.00.</p>	<p>Community Septic System Loan Program (CCSLP) Loans: In conjunction with Rhode Island Housing, Town offers 10 year 2% interest loans up to \$25,000.00 for the repair and/or replacement of malfunctioning septic systems.</p> <ul style="list-style-type: none"> • 43 CSSLP loans have closed as of 7/1/07 totaling \$575,400.00, 8 loans are pending for total of \$145,000.00. <p>Rhode Island Department of Environmental Management, Non-Point Source \$25,000.00 Grant:</p> <ul style="list-style-type: none"> • 325 grants have been issued to homeowners for digging and locating septic tank • 344 grants have been issued to homeowners for riser and effluent filter upgrades
Jamestown	<p>Current:</p> <p>\$51,750.00 includes 10% of Town Engineer's Salary, mailings, education, outreach, and tracking service</p> <p>Financing:</p> <ul style="list-style-type: none"> • The Town's wastewater management program is currently funded by a \$30 assessment to septic system property owners • 1,725 systems x \$30 assesment = \$51,750.00 	<p>CCSLP Loans:</p> <ul style="list-style-type: none"> • \$280,000 available August 1st (\$25,000 cap) <p>Homeowner Aid:</p> <ul style="list-style-type: none"> • Town has received 319 grant to promote access riser and effluent filter upgrades for town
Johnston	<p>Current Budget FY 2007-08 Approximately \$22,000</p>	<ul style="list-style-type: none"> • Community Septic System Loan Program (CCSLP) in conjunction with Rhode Island Housing. Town offers 7 year 4% loans of up to \$15,000 for repair or replacement of failed systems. • 15 outstanding CSSLP loans totaling \$195,000 • Town does not offer any grants at this time.

North Kingstown	There is no specific budgeted amount for wastewater.	<ul style="list-style-type: none"> • Issued 35 CSSLP loans using the initial \$300,000 • Issued 13 \$7500 grants for innovative system installation through ongoing URISEP grant, which totals \$250,000 by end of 2007
South Kingstown	<ul style="list-style-type: none"> • Financing: Current EPA Program grant support ends August 2007 • Town is considering a administrative fee for septic system owners to support program • Projected Budget: \$46,410.00 	<p>CCSLP Loans:</p> <ul style="list-style-type: none"> • 24 CCSSLP loans have closed as of 6/1/05 totaling \$206,342 • 7 Loans are currently pending • Town has borrowed \$1,300,000 for septic system repair / replacement loans. <p>Additional Financial Assistance:</p> <ul style="list-style-type: none"> • 319 grants to homeowners for digging and locating septic tank • 319 grants to homeowners for riser and effluent filter upgrades
Tiverton	<p>Current: \$15,985.00 includes 10% of Wastewater Superintendent's salary, 5-percent of Wastewater billing clerk's salary, mailings, education, outreach, and tracking service.</p> <p>Financing: The Town's wastewater management program is currently financed through the Town's General fund.</p>	<p>CCSLP Loans:</p> <ul style="list-style-type: none"> • Current loan program in place \$25,000 max loan/10-yr payback/2% interest • 1 CSSLP loan has closed as of 6/1/07 and 8 loans are pending.