



**State of Rhode Island
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Strategic Work Plan Progress Report Fiscal Year 2002

July 1, 2001 through June 30, 2002

August 2002

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Rhode Island Department of Environmental Management Work Plan Progress Report 2002

Introduction

This is the Department's work plan progress report for the State Fiscal Year (FY) 2002 (July 1, 2001 to June 30, 2002). Fiscal year 2002 is the first year of DEM's second two-year Strategic Work Plan.

The progress report is organized around seven broad goals in the Strategic Work Plan: clean air, clean and plentiful water, livable communities, healthy ecosystems, viable natural-resource-based industries, abundant open space and recreation, and open and effective government. For each of the seven goals, a table provides detail regarding major progress for FY2002 and major changes and initiatives for FY2003. The following are some highlights.

Open Space Preservation. The Department and partners protected 6,537 acres in FY 2002 through acquisition and purchase of development rights. Of these acres, nearly half were protected by local land trusts (1856 acres) and nonprofit land trusts (1852 acres); and 2593 acres by DEM; another 236 acres of farmland were protected as part of this total.

Fisheries. The Department worked with the Intergovernmental Working Group to develop legislation, enacted in June, that will end the moratorium on new commercial fishing licenses effective December 31, 2002. It will also institute a new, streamlined licensing system; provide for the issuance of new licenses; provide stronger protection for the interests of Rhode Island fishermen in quota fisheries; enable current license holders to maintain their licenses; provide for an adaptive system of management based on improved data collection, new management principles, input from industry, and advice from the Rhode Island Marine Fisheries Council; and will exempt aquaculture crops from various restrictions governing wild shellfish stocks.

Restoring Habitat and Water Quality. The Department signed a Memorandum of Understanding with the Coastal Resources Management Council, formalizing the collaborative coastal habitat restoration program approach developed by the agencies and their partners.

EPA gave final approval for the water quality restoration plans, also known as TMDL's, for the Palmer River, and the Narrow River and its tributaries, Gilbert Stuart Stream and Mumford Brook. Revised restoration plans for Crooked Brook and the Sakonnet River and Island Park Cove have been submitted to EPA and are expected to be completed by the end of this calendar year. Among the plans that are in development and expected to be completed by the end of June, 2003 are: Ninigret and Green Hill Ponds, Mashapaug Pond, Barrington and Runnins River, and Sands Pond on Block Island. However, progress on 21 other TMDLs is hampered by factors including legal and technical issues, time needed for reviewing draft documents, delays in model delivery, weather constraints, and staff and budget shortages. (updated October 18, 2002)

The feasibility study for a fish run on the Ten Mile River and a study of historic fisheries on the Blackstone River, to help set restoration goals, have been completed. The Town Pond/Body's Marsh and Lonsdale Drive-in marsh restorations are underway.

To help restore freshwater wetlands, the Department collaborated with URI on a project that identifies and prioritizes wetland restoration opportunities. After an initial test of the methods in a 3.5 by 3.5-mile area in the Woonasquatucket River watershed, the initiative is expanding to the entire watershed. This will put the wetlands along the Woonasquatucket in an excellent position for restoration funding by the newly formed Rhode Island Corporate Wetlands Restoration Project.

Regulatory Streamlining. The Department is implementing recommendations of the ISDS, Wetlands, and Site Remediation Permit Streamlining Task Forces. One example of successful streamlining efforts is the reduction in the average decision time for a wetlands permit from 126 days in January 2001 to 69 days in February 2002.

The implementation the Permit Process Tracking and Information System was delayed but the Divisions of Air and Waste Management are using the system, with Water Resources scheduled to be online in July of 2003. The system will enable DEM to process and track permit applications more efficiently through concurrent reviews among DEM divisions.

Asset Protection. The Asset Management Study (AMS) of Parks and Recreation facilities helped the Department to obtain an \$250,000 increase over the base operational budget to maintain parks buildings and equipment in FY2002. The AMS for parks, the first of two completed by DEM, identifies and prioritizes repair and replacement needs and costs for both the capital and operating budgets and recommends funding strategies to preserve and enhance the system. The second AMS to protect facilities in the Forest Environment program was completed in December of 2001.

Sustainable Watersheds. Implementation has begun on two watershed action plans, in the South County and Woonasquatucket River Watersheds, while the Blackstone River Watershed Action Plan is about 75% complete. The program is reviewing bids to select a consultant in August to develop an urban design manual. The manual will contain best practices for urban development, including brownfields redevelopment, sample zoning ordinances, stormwater controls and vegetated buffers for urban riverbanks.

Clean Air

Performance Measures	Completed/Progress FY 2002, Changes 2003
<p><i>Ozone and particulates</i></p> <ul style="list-style-type: none"> • Meet State Implementation Plan commitments for light-duty Inspection/Maintenance (I/M) program by July 30, 2001. • Implement heavy-duty diesel I/M vehicle testing program by January 2002. • Achieve commitment or enforceable mandate to reduce emissions of nitrogen oxide by 789,000 tons per year by 2003 in 22 northeast states, to reduce ozone precursor emissions upwind of Rhode Island. 	<p><i>Ozone and particulates</i></p> <ul style="list-style-type: none"> • Performance Measure is 90% complete. • Registration denial system at DMV 85% complete. Implementation in fall 2002. • DMV sticker enforcement in place. • Marked increase in motorist compliance in 2001 over 2000. • Failing vehicles show significant emissions improvement after repairs; final pass/fail standards implemented in 2002; higher repair cost limit implemented in 2002. • I/M 2000 report complete & submitted to EPA - I/M 2001 report started – 40% complete. • OBD legislation enacted. • CMAQ funds for technician training approved by FHWA – implementation in the fall 2002. • 60% complete – legislation in place – DMV regulation hearing on for 9 April 2002 – State Police equipment/training in spring/summer 2002 - Phase I implementation expected spring 2003. • NOx SIP call is in place. Implementation delayed until May 2004 by federal court action.
	<ul style="list-style-type: none"> • NEW - Submit a proposed ozone attainment demonstration to EPA by November 2002.
<p><i>Alternative fueled vehicles</i></p> <ul style="list-style-type: none"> • 75% to 90% of DEM replacement vehicles in FY02 and FY03 fleet are AFV or ATV. • Continued increase in number of vehicles registered in RI that are AFV or ATV. • Work with Fleet Operations to increase AFV fueling stations to 10 by June 2003. • Propose adoption of the advanced technology provisions of the California Light Emission Vehicle II program along with other northeast states by December 2002. 	<p><i>Alternative fueled vehicles</i></p> <ul style="list-style-type: none"> • 93% of applicable vehicles ordered are AFV or ATV. • 48% increase in number of vehicles registered in RI that are AFV or ATV from 1999 to 2000; 51% increase from 2000 to 2001. • Five stations operating, two in planning. • Delayed – waiting for regional consensus.
<p><i>Fine Particulates and air toxics</i></p> <ul style="list-style-type: none"> • Analyze data and determination whether Rhode Island meets fine particulate standard by 2003. • Monitor toxic air pollutants at five metropolitan Providence sites and issue a report 3 months after data is available, about October 2002. If funded, extend monitoring to the Olneyville section of the Woonasquatucket River Watershed by July 2002 	<p><i>Fine Particulates and air toxics</i></p> <ul style="list-style-type: none"> • Too soon to report. • 70% on track for December 2002 report. • Installed Olneyville monitor in July 2002.

Clean Air

Performance Measures	Completed/Progress FY 2002, Changes 2003
<p><i>Fine Particulates and air toxics (cont.)</i></p> <ul style="list-style-type: none"> • Promulgate Accidental Release Regulations by December 2002. • Implement the Accidental Release Program. 	<p><i>Fine Particulates and air toxics (cont.)</i></p> <ul style="list-style-type: none"> • 80% complete. • Ongoing.
<p>Preconstruction Permitting - <i>See Open and Effective Government</i></p>	<ul style="list-style-type: none"> • NEW Preconstruction Permitting
<p><i>Energy and Greenhouse Gases</i></p> <ul style="list-style-type: none"> • Work with state and regional partners to integrate and coordinate energy and environmental policy development. <p>Through a stakeholder process:</p> <ul style="list-style-type: none"> • Complete RI Greenhouse Gas Action Plan by November 2003. • Determine target reduction in greenhouse gas emissions by December 2002 • Report and document trend in reduction of annual greenhouse gas emissions. 	<p><i>Energy and Greenhouse Gases</i></p> <ul style="list-style-type: none"> • Mainly being directed by the Office of Strategic Planning and Policy (OSPP). Participating in the NEG/ECP Climate Change Action Plan Implementation • Mainly being directed by the OSPP. 30 % complete • Mainly being directed by the OSPP. Stakeholders adopted NEG/ECP target: reach 1990 levels by 2010, 10% below 1990 by 2020, 75% below 1990 for the long term. • Mainly being directed by the Office of Strategic Planning and Policy. Initial projected baselines are complete.

Clean Water

Planned FY 2002/2003 Work Plan	Completed/Progress FY2002, Changes FY2003
<p><i>Assessment and monitoring</i></p> <ul style="list-style-type: none"> • Publish State of the States Waters 305B Report-Fall 2002. • Re-issue Impaired Waters 303d List as appropriate. • Update state water quality regulations. • Complete comprehensive monitoring strategy by June 2002. • Expand monitoring as resources allow, e.g., increase number of lakes monitored by volunteers. 	<p><i>Assessment and monitoring</i></p> <ul style="list-style-type: none"> • Complete – submitted to EPA 4/02, distributed to public 5/02. • On schedule to make draft list available for public comment and preliminary EPA review by 10/02. • 90% complete – awaiting policy decision on bacteria criteria and public notice procedures for water quality certifications and orders of approval. Anticipate draft by 12/02. • Behind schedule. EPA to hire contractor to assist - scope of work under review – strategy to be completed by end of September 2003. • On schedule – DEM provided priority list of lakes. Watershed Watch recruited volunteers.
<p><i>Nutrient Reduction</i></p> <ul style="list-style-type: none"> • Issue permits/permit modifications to the 5 wastewater treatment facilities that discharge excess nutrients. • Approve final designs for nutrient removal at 3 WWTFs by July 2003. • Reduce nitrogen loadings by 35% and achieve acceptable levels of oxygen in the Providence/Seekonk Rivers and Upper Bay by Dec. 2008. • Raise dissolved oxygen levels and reduce algae growth in the Pawtuxet River by reducing ammonia and nutrient loadings by Dec. 2004. 	<p><i>Nutrient Reduction</i></p> <p>On schedule for 6/03. Permits in bold were reissued and will be modified to include nutrients once TMDLs are completed.</p> <ul style="list-style-type: none"> • NBC Fields Point - final nutrient limits pending TMDL results. • NBC Bucklin – approved final design 9/01 that includes nutrient reductions, construction started 3/02 • East Providence - nutrient limits awaiting results of TMDL • East Greenwich - completed 9/01 • Warren – 70% complete, on schedule with target of 9/02 <p>70% complete – on schedule.</p> <ul style="list-style-type: none"> • Cranston - by 7/03 • Westerly – approved 4/02, complete construction by 10/03 • West Warwick – approved 4/02 <p>Too soon – Providence/ SEEKONK TMDL may delay some facility upgrades. Many facilities implementing or will be implementing controls based on nitrogen levels attainable by technology necessary to meet toxicity based ammonia limits. TMDL will determine whether additional controls are required.</p> <ul style="list-style-type: none"> • Burrillville – on track facilities plan (FP) received 10/01, comments issued. Second round of comments issued 6/02 • Cranston – on track Facilities Plan received 12/01. Comments issued 4/02. • East Greenwich – on track preliminary design Approved 4/02, final due 6/03. • East Providence - too soon. • NBC – Bucklin Point – Construction started 3/02 • NBC Fields Point • Smithfield – FP submitted 10/01, comments issued 11/01 & 3/02 • Warren – too soon. • Warwick – on track. Construction started 4/02. Update required by 8/04. • West Warwick – on track upgrade required by 8/04 • Woonsocket – upgrade to achieve N =10 mg/l completed 8/01 <p>Behind schedule – anticipate completion by 8/05 based on construction schedule.</p> <ul style="list-style-type: none"> • Cranston - on schedule • Warwick – completion of upgrade required by 8/04 • West Warwick – completion of upgrade required by 7/05
Develop Water Quality Restoration Plans	See attached

Clean Water

Planned FY 2002/2003 Work Plan	Completed/Progress FY2002, Changes FY2003
<p><i>Groundwater</i></p> <ul style="list-style-type: none"> • Update Groundwater Quality Regulations for consistency with Waste Management Rules. • Update groundwater protection strategy. • All major groundwater suppliers will have approved protection plans by July 2003. • Update wellhead map with refined well locations generated by Source Water Protection Program. • Distribution of Biennial Wellhead Protection Report – October 2003. • Revise the UIC Program regulations by September 2002. • Complete application for federal consistency review of UIC Program. 	<p><i>Groundwater</i></p> <ul style="list-style-type: none"> • 75% complete – on schedule to be completed by 09/02. • 25% complete – behind schedule; work on ISDS regulations has delayed work on this. • On schedule as provided for under the Water Resources Board Regulations. • 80% complete – on schedule to complete by 09/02. To be included in Groundwater Regulations mentioned above. • Not started. • 25% complete. Changes to be made have been identified and prioritized – vacancy and other program priorities have caused delays – expected completion date of December 2002. • 40% complete. All application elements including anticipated changes to current UIC regulations in order to comply with new federal requirements have been identified and prioritized. Vacancy and other program priorities have caused delays. An extension period may be requested in order to complete all tasks.
<p><i>Nonpoint Source Pollution</i></p> <ul style="list-style-type: none"> • Revise Non-Point Source Pollution Management Plan by September 2003. • Fund nonpoint source abatement projects and oversee completion of up to 19 existing projects. Priority will be given to projects implementing WQRPs (TMDLS). 	<p><i>Nonpoint Source Pollution</i></p> <ul style="list-style-type: none"> • Ongoing. Plan update on target for 9/03. Approximately 5% complete. • Ongoing (no specific completion date). Several grant agreements have been extended at the request of project sponsors. Six additional grants for 8 projects were awarded in January. The next nonpoint source abatement grant solicitation is planned for issuance in late summer '02.
<p><i>Stormwater</i></p> <ul style="list-style-type: none"> • Develop general permit and application guidance for implementation of Stormwater Phase II Program by December 2002. • Provide grants to communities to develop local stormwater plans. • Develop Phase II stormwater BMP menu and update stormwater guidance to promote BMPs (funding required). 	<p><i>Stormwater</i></p> <ul style="list-style-type: none"> • General Permit on track for 12/02. • Application guidance draft completed and undergoing internal review; on track for 12/02. • 50% complete – behind Schedule – regulations not issued until 3/02. RFP issued 3/02 with regulations. 33 communities applied. Grant awards by 8/02. • BMP Menu not started; scheduled for 12/02. RI Storm Water Design Manual update approximately 10% complete. The old manual has been assessed for needed revisions. \$50,000 from 319 has been obligated for this project. Tentative completion date of 12/02 may need to be revised depending on the extent of the revisions proposed.

Clean Water

Planned FY 2002/2003 Work Plan	Completed/Progress FY2002, Changes FY2003
<p><i>Septic systems</i></p> <ul style="list-style-type: none"> • Oversee 15 grants to communities developing local wastewater management programs (WWMD). • Continue Septic system Policy Forum and organize a WWMD workshop (2002) to facilitate policy development and exchange information • Implement ISDS Task Force recommendations including enhancing public outreach, as resources allow. • Require the use of nitrogen removal systems in selected environmentally sensitive areas by 2002. 	<p><i>Septic systems</i></p> <ul style="list-style-type: none"> • Ongoing (no specific completion date). Several grant agreements have been extended at the request of project sponsors. Four planning grants to 6 additional communities were awarded 7/01. Two implementation grants to 2 communities were awarded in January. Four grant agreements have been fully approved, 2 are in final draft and are being reviewed by the project sponsors for signature. • Approximately 50% complete. On track for completion by 12/02. The first Northeastern Onsite Wastewater Short Course (i.e., workshop) was held March 24-26. • Draft Final Report completed 3/02. Administrative recommendations to be completed 6/02, regulatory revisions to be completed 7/03, public outreach recommendations ongoing. • Behind Schedule – expected to be addressed as part of regulatory revisions scheduled for 10/02.
<p><i>Combined Sewer Overflows</i></p> <ul style="list-style-type: none"> • Complete review of 100% design for NBC CSO Control Program, Phase I by September 2001. • Phase I CSO Control Program implemented by December 2006 and reduce: annual biological oxygen demand (BOD) and Total Suspended Solids (TSS) loadings by 30%; fecal coliform by 40% to reduce the days Conditional Areas A and B are closed to shellfishing by 50% and 78% respectively. 	<p><i>Combined Sewer Overflows</i></p> <ul style="list-style-type: none"> • Tunnel approved 4/01; Pump Station review completed 4/02. Awaiting response from NBC. • Behind estimated schedule – based on design – longer construction schedule needed. Anticipate by 4/07.

Water Quality Restoration Plans

Planned FY 2002/2003 Work Plan	Completed/Progress FY2002, Changes FY2003
<p><i>WQRP to be completed July 2002- June 2003: # =37</i></p> <ul style="list-style-type: none"> • Narrow River, Gilbert Stuart Brook, Mumford Brook (pathogens) – 12/31/01 (3) • Sakonnet River and Island Park Cove (pathogens) – 12/31/01 (2) • Kickemuit Reservoir (pathogens, nutrients/excess algae/turbidity) 12/31/01 (2) • Saugatucket River, Mitchell Brook, Rocky Brook, and Indian Run (pathogens) - 12/31/01; Indian Run (metals) 6/30/02; Saugatucket Pond (nutrients/noxious aquatic plants) 12/31/01(6) • Providence River (hypoxia/nutrients), Seekonk River (hypoxia) –6/30/02 (2) • Palmer River (nutrients) – 6/30/02 (pathogens) – 12/31/01 (2) • Mashapaug Pond (hypoxia/nutrients) - 12/31/02 (1) • Crooked Brook (pathogens) – 12/31/02 (1) • Sands Pond (Block Island) (excess algae/taste & odor/turbidity) - 6/30/02 (1) • Ninigret and Green Hill Ponds and Teal Brook, Factory Pond Brook (pathogens) - 6/30/02 (4) • Greenwich Bay, Buttonwoods Cove, Brushneck Cove, Hardig Brook (pathogens, nutrients/hypoxia); Greenwich Cove, Warwick Cove, Apponaug Cove (nutrients/hypoxia) - 6/30/02 (11) • Woonasquatucket River (metals, pathogens) – 12/31/02 (2) • Barrington/Runnins (pathogens) 	<p># = 16 (37 – 21)</p> <ul style="list-style-type: none"> • Final TMDL approved by EPA 4/29/02. • Response to preliminary comments and revised TMDL to be submitted to EPA 6/02; revised completion date pending EPA response - expected completion by 6/30/03. • Review of revised modeling and data reports underway; TMDL write up by EPA staff member under discussion; no revised completion date set. (-2) • Internal review of draft TMDLs ongoing; submit draft to EPA for preliminary approval 7/02; revised completion date pending EPA response - expected completion of pathogen TMDLs by 6/30/03(-2) • Model delivery expected mid-September ; no revised completion date set. (-2) • (Nutrients) Delayed due to difficulties in approach; no revised completion date set (-1)- (Pathogens) Final TMDL approved by EPA 5/15/02. • Draft TMDL scheduled for delivery by contractor 6/02; no revised completion date set - expected completion by 6/30/03. • EPA comments on draft TMDL received 6/10/02; public meeting tentatively scheduled for week of August 12th. • Sediment sampling completed; preliminary draft to EPA 10/02; revised completion date 3/03. • DNA testing to identify sources proposed summer 2002; TMDL in preparation; draft TMDL to EPA for preliminary approval 12/02; revised completion date 4/03. • (Nutrients) – Preliminary model calibration completed mid-September; revised completion date not set. (-7) • (Pathogens) – In discussion w/ EPA on TMDL approach; draft TMDL to EPA for preliminary approval 9/02; revised completion date pending EPA response. • Delayed due to lack of rain in 2001; WW monitoring to be completed by 10/02; draft TMDL to EPA for Preliminary approval 3/03; revised completion date 7/03. (-2) • Yawgoo Pond, Barber Pond, Chickasheen Brook (nutrients/hypoxia) – <i>added to work plan</i> TMDL in preparation; draft TMDL to EPA for preliminary approval 9/02. (+3) • Received comments from EPA on revised TMDL for Barrington on 5/28/02 and for Runnins on 6/15/02; public meeting scheduled for 7/16/02; revised completion date 12/02.

Planned FY 2002/2003 Work Plan	Completed/Progress FY2002, Changes FY2003
<p><i>WQRP to be initiated July 2002- June 2003 :</i></p> <ul style="list-style-type: none"> • Blackstone River (pathogens, metals), Mill River (metals), Peters River (pathogens, metals), Valley Falls Pond (biodiversity, metals, pathogens, nutrients/hypoxia/excess algae growth). • Ten Mile River (Pb, biodiversity), Turner Reservoir (nutrients, metals), Slater Park Pond (pathogens, nutrients). • Upper Narragansett Bay (hypoxia). • Pawcatuck River (hypoxia, pathogens), Little Narragansett Bay (pathogens). • Pt. Judith Pond (pathogens). • Long Brook (pathogens), Burnt Swamp Brook (pathogens), Catamint Brook (pathogens), Ash Swamp Brook (pathogens). 	<ul style="list-style-type: none"> • Preliminary data report received from contractor and to be reviewed by DEM staff; TAC formed. • Not initiated due to budget constraints; not likely to be initiated in FY03. • YSI equipment purchased (not buoy system); plan to deploy this summer pending staff availability. • PDR development begun; due to vacancies, assessment not likely to start until summer 2003. • PDR development begun; due to vacancies, only shoreline survey work scheduled for summer 2002. • No assessment work initiated.

Of the original 37 WQRPs that were planned from completion in FY 2003, 21 are now expected to be completed by the end of the fiscal year (6/30/03), along with e additional WQRPs not previously scheduled. The remaining16 are delayed due to technical difficulties, especially with model development, and lack of DEM staff. Of the 24 WQRPS that were planned to start in FY 2003, 10 are/will be delayed due to budget cut and staff shortages; 14 are now expected to be underway by June 30, 2003.

Livable Communities

Planned FY 2002/2003 Work Plan	Completed/Progress FY2002, Changes FY2003
<p><i>Sustainable Watersheds</i></p> <ul style="list-style-type: none"> • South County Watersheds and Woonasquatucket River Watershed Action Plans implemented by June 2003. • Expand the watershed approach to the Blackstone watershed. Complete Action Plan by June 2003. <p>Expand watershed education and outreach program.</p> <ul style="list-style-type: none"> • Naturalists & park staff trained by July 2001. • Post watershed educational signs at DEM parks, fishing accesses, etc. by May 2002. 	<p><i>Sustainable Watersheds</i></p> <ul style="list-style-type: none"> • Watershed Action Plans implementation projects have begun in both watersheds. • Blackstone River Watershed Action Plan 75 % complete. • Completed – naturalists trained summer 2001. • Completed educational signs.
<p><i>Planning for Growth/Local Capacity</i></p> <ul style="list-style-type: none"> • Hold training workshops to build the capacity of local watershed organizations by June 2003 • Work with urban planners, developers and other stakeholders to develop an urban environmental design manual by September 2003. Distribute manual to all major cities and watershed groups by October 2003. • Assist the Governor’s Growth Planning Council by developing recommendations for priority funding for state infrastructure investments by 2002 and a Planning Institute by September 2002. 	<p><i>Planning for Growth/Local Capacity</i></p> <ul style="list-style-type: none"> • Partnered with the Rivers Council to conduct Monitoring Workshop, March 2002 • Funding obtained; RFP issued July 2002. • On schedule
<p><i>Environmental Equity (EE)</i></p> <ul style="list-style-type: none"> • Train 75% of DEM employees by January 2002 • Determine to the extent possible locations and populations that may be exposed to disproportionate environmental impacts. Report preliminary research results on cumulative exposures by December 2002. • Determine populations or areas that lack access to or enjoyment of natural resources & target these areas in development of the State Comprehensive Outdoor & Recreation Plan (SCORP). Complete SCORP analysis by September 2002 and target funding to the areas identified as in most need <ul style="list-style-type: none"> • Adopt SCORP as element of State Guide Plan by December 2002. <p>Environmental Equity Reporting</p> <ul style="list-style-type: none"> • Prepare report with specific recommendations on improving EE in each Bureau & division by March 2002. • Annual report on progress of EE strategies and measures. • Convene an Environmental Equity Advisory Council by January 2002 • Complete report on accessibility, formats and multi-lingual strategies by September 2001. 	<p><i>Environmental Equity (EE)</i></p> <ul style="list-style-type: none"> • Training delayed – lack of staff in SPP. Will reset target date based on staffing levels and funding in FY2003 • Preliminary report completed December 2001. Expanded report completed May 2002. • On schedule. • 50 % completed, project delayed, new target to be adopted in State Guide Plan is June 2003. <p>Environmental Equity Reporting</p> <ul style="list-style-type: none"> • Report completed with a 1 month delay; posted on the website in July. • Report combined with above. • Delayed – lack of funding for facilitator, lack of staff in SPP. Will reset target based on staffing and funding. • Report completed; resources needed to implement (training, interpreter assistance, translations of printed material, printing costs, etc.). From July 1, 2001 to June 26, 2002, OTCA received 88 calls and visits from non-English speakers, all of them Spanish-speaking.

Livable Communities

Planned FY 2002/2003 Work Plan	Completed/Progress FY2002, Changes FY2003
<p><i>Solid and Hazardous Waste</i></p> <ul style="list-style-type: none"> Evaluate and process approximately 2500 permit applications for hazardous, medical, and septage waste transporters. Evaluate 5 temporary hazardous waste storage and/or transfer area applications. Inspect 100 solid waste facilities annually. Inspect 2500 hazardous waste transporters permitted. 	<p><i>Solid and Hazardous Waste</i></p> <ul style="list-style-type: none"> 639 received and approved. Bulk of renewals expected in June/July 2002. Current approvals are valid through June 30, 2002. On track for renewals. 238 inspections conducted. Well ahead of target. 2818 permits renewed/issued.
<p><i>Underground Storage Tanks (UST)</i> Ensure that underground storage tank systems are properly installed, operated, and maintained to protect groundwater.</p> <ul style="list-style-type: none"> Conduct 40 underground storage tank (UST) compliance inspections. Inspect USTs for compliance with corrosion protection and spill containment, and overflow protection requirements. Percent of UST facilities in significant operational compliance with the UST leak detection regulation. 	<p><i>Underground Storage Tanks (UST)</i></p> <ul style="list-style-type: none"> OC&I completed 75 facility inspections since 7/1/01 OC&I – 64 of 75 facilities – 85% of inspected tanks in compliance. OWM – 30 out of 41 facilities = 73.2% OWM – 16 out of 41 facilities = 39% OCI – 18 out of 75 facilities = 24% <p>Non-compliance with leak detection requirements mainly involved a failure to inspect or test leak detection system components. Almost all facilities had leak detection equipment in place.</p>
<p><i>Leaking Underground Storage Tanks (LUST)</i> Ensure that leaking underground storage tank (LUST) sites are investigated and cleaned up.</p> <ul style="list-style-type: none"> Percent of known contaminated sites fully investigated. (LUST) Percent of known contaminated sites now in compliance with applicable clean up standards. (LUST) 	<p><i>Leaking Underground Storage Tanks (LUST)</i></p> <ul style="list-style-type: none"> 1484/1506 = 98.5% 1135/1506 = 75% (not including those with long-term monitoring) 1262/1506 = 84% (NFA and long-term monitoring sites included)
<p><i>Persistent Bioaccumulative Toxins (PBTs)</i> <i>Lead</i></p> <ul style="list-style-type: none"> With EPA, DOH, RIHMFAC, municipalities, private & non-profit sectors & the legislature develop comprehensive policy by July 2003. Form a task force/committee to coordinate and focus efforts on eliminating lead poisoning by January 2003. Clearly define DEM's role to address lead enforcement and coordinate efforts with other agencies and organizations by September 2001. <p><i>Mercury</i></p> <ul style="list-style-type: none"> Develop a comprehensive implementation plan for mercury reduction and education by August 2001. Mercury thermometers are reduced or eliminated from RI households through implementation of a thermometer take-back program (contingent on funding). 	<p><i>Persistent Bioaccumulative Toxins (PBTs)</i> <i>Lead</i></p> <ul style="list-style-type: none"> Recommend reassessment of DEM role. DOH is the lead state enforcement agency. DEM authority is limited to external paint removal. Legislation passed in the 2002 session provided for development of a comprehensive lead poisoning reduction strategy and DEM has a minor role in that plan. Litigation against paint manufacturers is likely to spur further action by state agencies that have the main responsibility for lead. DEM lacks resources to do more than current enforcement effort. See Above <p><i>Mercury</i></p> <ul style="list-style-type: none"> Established Mercury Advisory Working Group, will be drafting regulations in FY2003 as outlined in RI mercury legislation. Three mercury thermometer take-back events have been held: 1 sponsored by DEM, RIRRC, DOH, Clean Water Action, and CVS Pharmacy, and 2 conducted by the Boy Scouts sponsored by DEM.

Livable Communities

Planned FY 2002/2003 Work Plan	Completed/Progress FY2002, Changes FY2003
<p><i>Closed/Abandoned Landfills</i></p> <ul style="list-style-type: none"> • Review remedial investigation for the closed Cranston Sanitary Landfill. • Complete design of remedy at Rose Hill Landfill by September 30, 2002. • Select contractor for implementation of remedy at Rose Hill Landfill by March 31, 2003. • Implement program to assess impacts from closed or abandoned municipal landfills by December 31, 2001. • Draft agreement with responsible parties for capping and investigation of the West Kingston/URI landfills by July 1, 2002. 	<p><i>Closed/Abandoned Landfills</i></p> <ul style="list-style-type: none"> • OWM waiting for submission of draft remedial investigation report – due June 2002 • Design bid documents completed 12/31/01 - on hold pending funding • Too soon • Program implementation complete - 7 landfills are participating – in addition, filed grant application for USDA funding (this was unexpected) • Agreement completed and signed July 2002, staff will be commencing field work
<p><i>Dam Safety</i></p> <p>Implement a comprehensive dam safety strategy including:</p> <ul style="list-style-type: none"> • Seek funding for private and municipally-owned dams (pending legislative approval). • Develop and implement a repair schedule for state-owned dams. <ul style="list-style-type: none"> • Bowdish Dam repaired by Fall 2001, and Stillwater Dam repaired by late Spring 2002 • Promulgate comprehensive changes to dam safety regulations in response to legislative changes. • Establish baseline conditions for regulated dams; track repairs, as part of a comprehensive dam safety strategy. 	<p><i>Dam Safety</i></p> <ul style="list-style-type: none"> • Was to be done through legislation, which did not pass. • Bowdish Dam repairs essentially completed July 2002, final landscaping completed August 2002 • Design for Stillwater Dam repairs underway, 30 % complete July 2002 • Draft revisions under review; final draft to be circulated by the end of August, 2002. • Project stopped due to failure of legislation; full evaluation of dams requires funding; cannot establish baseline conditions without evaluations.
<p><i>Forest Fires</i></p> <p>Coordinate training and equipment supply with local fire departments to aggressively fight forest fires.</p> <ul style="list-style-type: none"> • No homes lost to forest fires. • Average forest fire size less than 2 acres. 	<p><i>Forest Fires</i></p> <ul style="list-style-type: none"> • No homes were lost to wildland fire. • The average forest fire size kept below the 2 acre target, 117 forest fires burned 148 acres, 109,000 feet of forest hose serviced and returned to municipal fire departments.
<p><i>Tire Piles</i></p> <ul style="list-style-type: none"> • Provide oversight for Old Kent Rd. and Malodosian tire pile removal. Provide technical support and expertise for the Attorney General's Office in the event additional court action is needed to compel removal. 	<p><i>Tire Piles</i></p> <ul style="list-style-type: none"> • Removal of tires from Old Hope Kent Road and Malodosian sites has been completed.
<p><i>West Nile Virus</i></p> <ul style="list-style-type: none"> • No human cases of WNV in Rhode Island • Limit spraying to areas where EEE and WNV is found in mosquitoes. 	<p><i>West Nile Virus</i></p> <ul style="list-style-type: none"> • No human cases • Established and implemented with Dept. of Health a comprehensive surveillance and response program for West Nile Virus in mosquitoes.

Livable Communities

Planned FY 2002/2003 Work Plan	Completed/Progress FY2002, Changes FY2003
<p><i>Pesticides</i></p> <ul style="list-style-type: none"> Seek funding to develop plan for a pesticide disposal program that addresses old, unused pesticides at farms and commercial facilities by June 2002. Establish components of pesticide disposal program by July 2002 (contingent on funding) 	<p><i>Pesticides</i></p> <ul style="list-style-type: none"> No funding source identified as yet. Plan to develop a survey for pesticide applicators to assess the volume of pesticides that would be collected.
<p><i>Pollution Prevention</i></p> <ul style="list-style-type: none"> Assess and recommend strategies for implementing Integrated Pest Management (IPM) practices into Parks and Recreation operational procedures by March 2002. Implementation of IPM into Parks and Recreation facilities by March 2003. Inform regulated entities about voluntary ways to decrease pollutant generation. Number of facilities and businesses receiving DEM assistance in reducing pollution. 	<p><i>Pollution Prevention</i></p> <ul style="list-style-type: none"> Behind schedule. Too soon. Provided presentation and table top displays at industry-sponsored events. Attended interagency/RI business meetings on P2 and compliance assistance. Provided field assistance regarding site-specific pollution problems. Developed Autobody Voluntary Certification Program, kick-off meeting scheduled for September 2002. Published and distributed P2 newsletter to 3,000 RI businesses. 65 visits for site assistance. 112 Phone/Office meetings on compliance assistance and P2.
<p><i>Brownfields</i></p> <ul style="list-style-type: none"> Work closely with Economic Development Corporation and other stakeholders to develop and publicize financial incentives. Sixty acres of contaminated land remediated or otherwise reused as a result of Brownfields settlement agreements by July 2003. Enter into 18 Brownfields settlement agreements by July 2003. Brownfields Economic benefit: total assessed value (\$), taxes assessed (\$), estimated # of new jobs, estimated annual income tax (\$). Promote the Brownfields revolving loan fund. Develop Brownfields outreach materials by July 2002, including an informational website by September 2001. 	<p><i>Brownfields</i></p> <ul style="list-style-type: none"> Created a joint DEM/EDC/EPA informational session for stakeholders and RI legislators April 2002. Participated with legislative task force on Brownfields –'01-'02. Participated in 2 EPA “brainstorming sessions” on implementation strategies for new federal brownfield guidance under development. 156 acres remediated through March 2002. CHANGE – new target for contaminated land remediated to otherwise reused as a result of Brownfields settlement agreements will be a total of 200 acres for fiscal years 2002 and 2003. 11 fiscal YTD - 61% complete Total assessed value = \$71.86 million Taxes assessed = \$2.15 million 958 new jobs Estimated annual state income tax = \$4.3 million Ongoing – initial \$1 million committed, additional \$700,000 in new funds secured; draft MOU with EDC on awaiting final signature. Web site operational, outreach materials developed and being distributed, and final revisions to Brownfields Handbook being incorporated.

Livable Communities

Planned FY 2002/2003 Work Plan	Completed/Progress FY2002, Changes FY2003
<p><i>Emergency Response</i></p> <ul style="list-style-type: none"> • In concert with the Federal and State partners; revise the Area Contingency Plan. 	<p><i>Emergency Response</i></p> <ul style="list-style-type: none"> • Completed. • Pascoag MTBE Crisis – Unanticipated contamination of water supply necessitated months-long involvement of DEM personnel with DOH and local offices.
<p><i>Domestic Preparedness</i></p>	<p><i>Domestic Preparedness</i></p> <ul style="list-style-type: none"> • NEW – Through Department of Justice Grant, purchase new personnel safety and detection equipment to respond to WMD events. • 90 percent of the equipment has been delivered. • Following the events of September 11th an unprecedented shift in DEM emergency response resources occurred: <ul style="list-style-type: none"> • DEM staff respond to numerous Anthrax threats throughout the state. • DEM and the Fire Marshall’s Office established a terrorism evidence screening center. • DEM participated in three Domestic Preparedness drills related to biological, chemical and radiological incidents.

Healthy Ecosystems

Planned FY 2002/2003 Work Plan	Completed/Progress FY2002, Changes FY2003
<p><i>Habitat Restoration</i></p> <ul style="list-style-type: none"> • Begin Town Pond/Boyd's Marsh salt marsh restoration – 2001, complete 2004. • Ten Mile river anadromous fish run – complete feasibility study for installation of fish passageways – 2005. • Establish Blackstone river stakeholder process for fish run restoration – 1st Phase identify technical solutions for fish passages compatible with existing uses – 2003. • Assist smaller restoration projects (Allin's Cove, Duck Cove) – dependent on funding –2003. • Finalize and publish study of historic fisheries on the Blackstone river to help set restoration goals –2002. • Potter's Cove (Prudence Island) Salt Marsh restoration – Fall 2001. • Lonsdale Drive-In freshwater wetland restoration – Start restoration – Start restoration Spring 2002 • With New England NEPs, submit grant proposal to NOAA Restoration Partnership to fund habitat restoration projects, April 2002. • With partners continue to develop Statewide Coastal Habitat Restoration Plan. • Complete NOAA grant for web-based tools for prioritizing restoration areas – 2002 (draft web portal done). • Mapping – Complete interpretation of aerial photos, mapping, restoration analysis, and wetlands loss trends for South Shore, Little Compton, and Block Island – 2003 (contingent on funding). 	<p><i>Habitat Restoration</i></p> <ul style="list-style-type: none"> • Feasibility study delayed due to RI capital funds being pushed back one year; exploring means to secure needed funding via SRF with repayment by Capital funds; meeting with RICWFA June 2002. • Feasibility study completed; seeking funding for next phase of fish passage restoration; working with City of East Providence and Save the Bay. • Aquafund project underway. Fisheries restoration plan completed. Initiated work on 28K grant from Blackstone River Valley Natural Heritage Corridor Commission for preliminary Fish passage design at Slater Dam; coordinating with Slater Museum and the City of Pawtucket. • Shifted focus from Wood-Pawcatuck to Pawtuxet River fish passage for first dam; working with Pawcatuck River Authority, (PRA) US F&W to secure funds; PRA initiated design work with an \$18,000 Partnership for Narragansett Bay Watershed Action Grant. • Report finalized and published January 2002. • Permits obtained; project will go out to bid this summer. • Also on Prudence Island, initiated a dry coastal meadow restoration project in 2001. This year found the yellow thistle in the meadow restoration site. The plant grows in dry coastal meadows and has been found in only one other place in RI. • The Army Corps of Engineers and DEM are finalizing the design and obtaining funding to restore the 20.4 acre site. • Deferred for consideration in 2003 grant cycle. • Habitat Restoration Team considering a proposal to convene a workshop to finalize criteria and prioritization for habitat restoration projects. • Grant project completion extended to from June 2002 to December 2002; final revisions to website underway. • Interpretation of aerials for S. Shore underway; 1st step in mapping process. Seeking funding to produce South Shore Coastal Habitat Atlas and conduct restoration and trend analysis.
<p><i>Wetlands</i></p> <ul style="list-style-type: none"> • Develop a statewide wetlands conservation plan by September 2002. • Develop draft streamlined application process for buffer planting projects – Spring 2002. • Identify and prioritize wetland restoration sites in the Woonasquatucket River watershed – complete draft December 2001. • Implement recommendations of the March 2001 “Options for Wetlands Mapping,” URI Natural Resources Science report. (contingent on funding). 	<p><i>Wetlands</i></p> <ul style="list-style-type: none"> • Not scheduled due to conflicting priorities. Background research pending intern assistance. Also pending coordination with other Water plans. • Not started, also due to conflicting priorities. Part of phase 3 rules. Phase 2 rules under internal review. • 80% complete by URI. Final report complete 9/30/02. • Funding for CIR flight for new wetland mapping not supported by EPA for the last fiscal year ending June 30, 2002. Also, technically not feasible to combine CIRs with DOA/RIDOT statewide 2002 flight.

Healthy Ecosystems

Planned FY 2002/2003 Work Plan	Completed/Progress FY2002, Changes FY2003
<p><i>Wetlands (cont.)</i></p> <ul style="list-style-type: none"> • Outreach <ul style="list-style-type: none"> • Conduct wetlands Open House - Spring 2002. • Conduct two wetlands workshops – one each for consultants and municipal officials, Fall 2001. • Update guidance and fact sheets 	<p><i>Wetlands (cont.)</i></p> <ul style="list-style-type: none"> • Held on 5/14/02. • Completed 11/15/01 and 1/17/02. • 2002 commitments 75% complete.
<p><i>Habitat Protection</i></p> <ul style="list-style-type: none"> • Permanently protect habitat by purchase and conservation easements. Target: 3,000 acres per year total through federal, state, local, and private land acquisition. <p>* see Open Space and Recreation Goal for more detail</p>	<p><i>Habitat Protection</i></p> <ul style="list-style-type: none"> • 2,246 acres protected in FY 2002.
<p><i>Water Resource Management</i></p> <ul style="list-style-type: none"> • Continue working with Water Use Stakeholders group for the Pawcatuck River to complete pilot study of water use and water withdrawal in the Queens River basin & impacts on habitat by 2003. • Collaborate with the Water Resources Board and other stakeholders regarding development of a Drought Management Plan and adopt as an element of the State Guide Plan. • Collaborate with Water Resources Board and other watershed stakeholders on determining water needs including instream flow requirements. • Develop guidance for permit applicants and policies for evaluating projects 	<p><i>Water Resource Management</i></p> <ul style="list-style-type: none"> • Delivery of draft Habitat Assessment study report (USGS) expected Spring 2002; completion of HSPF model development anticipated Summer 2002. Project is on schedule. • Plan approved by the State Planning Council as an element of the State Guide Plan June 13. • 60% complete – • NEW - Stream flow requirements to be developed by end of 2003. • 40% complete – Draft expected 12/02
<p><i>Wildlife Management</i></p> <ul style="list-style-type: none"> • Work with local land use authorities to encourage establishment of buffers between wildlife management areas and development to avoid or minimize conflicts relating to wildlife, hunting, recreation, and residential uses. 	<p><i>Wildlife Management</i></p> <ul style="list-style-type: none"> • One community has adopted a strategy of planning cluster development adjacent to state management areas so that the development open space abuts the management areas.
<p><i>Wildlife Surveys and Population Assessments and Management Plans</i></p> <ul style="list-style-type: none"> • Sample 8 ponds and 20 stream locations for types and numbers of fish in East Bay watersheds. • Radio tag 40 ruffed grouse to determine movement and mortality. • Monthly Samplings: 12 trawl stations; Bi-monthly: 26 trawl stations. • Monthly: sample 4 coastal ponds. • Monthly: sample 18 shore seine stations in Narragansett Bay. • Sample fixed stations in Narragansett Bay with gillnets. 	<p><i>Wildlife Surveys and Population Assessments and Management Plans</i></p> <ul style="list-style-type: none"> • Surveyed 10 ponds and 35 stream locations. • Radio tagged 41 ruffed grouse. • Conducted monthly survey and fall seasonal survey. • Conducted monthly seine surveys in coastal ponds. • Conducted monthly seine surveys in Narragansett Bay. • Continued gear and vessel testing, some sampling done.

Healthy Ecosystems

Planned FY 2002/2003 Work Plan	Completed/Progress FY2002, Changes FY2003
<p><i>Wildlife Surveys and Population Assessments and Management Plans(cont.)</i></p> <ul style="list-style-type: none"> Continue monitoring: waterfowl breeding activities, upland game bird population dynamics, big game population dynamics, furbearer population dynamics. Continue to monitor all nesting sites of Piping Plover. Restore (cut brush) 10 acres/year of habitat for American Burying Beetle. Survey 65 colony nesting bird sites. Publish RI's Living Legacy: Identifying and Preserving the State's Biodiversity. 	<p><i>Wildlife Surveys and Population Assessments and Management Plans (cont.)</i></p> <ul style="list-style-type: none"> Conducted surveys on population abundance of waterfowl, turkey, grouse, woodcock, and mourning dove with call counts, breeding surveys, brood counts and telemetry. Banded 338 Canada geese, exceeding the 100-bird quota, to determine movement, mortality, growth and harvest. Completed mute swan study report on mute swan populations and effect on submerged aquatic vegetation. Twenty years of mute swan population control has had limited success. Despite egg addling, the swan population continues to grow and a national strategy for mute swan control is needed. Surveyed 559 wood duck boxes for nesting success. Surveyed all 80 osprey sites for breeding status. Completed Completed. Completed. Text completed; gathering graphics for the document to be published October 2002.
<p><i>Anadromous fish restoration</i></p> <ul style="list-style-type: none"> Restore anadromous fish populations in coastal streams. <ul style="list-style-type: none"> Stock 500,000 Atlantic Salmon fry & 15,000 smolts Monitor spring returns at selected streams 	<p><i>Anadromous fish restoration</i></p> <ul style="list-style-type: none"> Stocked 430,000 fry and 8,300 Atlantic Salmon smolts into the Pawcatuck River Watershed.
<p><i>Invasive Species</i></p> <ul style="list-style-type: none"> Conduct population assessments, prepare and implement management plans for non-native species. Draft DEM policy on the use of non-native plants in land management and enforcement actions based on list developed by the RI Invasive Species Council by Summer 2001. Conduct a regional Invasive Species Workshop with New England National Estuary Programs, RI Invasive Species Council, The Nature Conservancy, NEIWPC, and US F&W winter 2001-2002. 	<p><i>Invasive Species</i></p> <ul style="list-style-type: none"> DEM not yet conducting an overall effort on invasive species. The New England Wild Plant Society and University of Connecticut are preparing an atlas of invasive species to show the distribution of invasive plants. US Fish and Wildlife is conducting an experimental control project at Sachuest Point. Model policy (from Connecticut) under review for adoption; projected date for completion, October 2002. New England NEP Invasive Species Workshop to take place November 14 and 15, 2002 at Boston Aquarium Benthic sampling in 5 NE estuaries to start Spring 2003.
<p><i>Narragansett Bay</i></p> <ul style="list-style-type: none"> Provide administrative and technical support for Partnership for Narragansett Bay (PNB) – ongoing. Develop a process for revising the Narragansett Bay Comprehensive Conservation and Management Plan – September 2002. Produce major Bay environmental festival, Fall 2002. Develop PNB Bay Journal – 2002. Support the statewide fisheries management dialogue process at the Coastal Institute. Produce a technical workshop on environmental indicators, Fall 2001. 	<p><i>Narragansett Bay</i></p> <ul style="list-style-type: none"> Ongoing. Coastal Institute received \$100K HUD grant to support Bay Planning – RFP for CCMP revision work released April 2002, responses evaluated; final selection due July 30, 2002. Postponed to Fall 2003. 1st issue published June 18, 2002. 2nd issue in production, focusing on key Bay issues facing new administrations in RI and Mass. NBEP partnered with DEM and R. I. Governor's Office, providing \$20,000 of Clean Water Act Section 320 funds to marine fisheries license restructuring process. Completed – October 12, 2001.

Healthy Ecosystems

Planned FY 2002/2003 Work Plan	Completed/Progress FY2002, Changes FY2003
<p><i>Narragansett Bay (cont.)</i></p> <ul style="list-style-type: none"> • Develop proposal for EPA National Estuaries Program Futures grant program to conduct public survey and develop outreach on growth issues in Blackstone River watersheds in partnership with RISD, the Bryant College Environmental Marketing Program, and private sector by 2002. • With MA and EPA, implement bi-state Watershed Action Grant program to support Bay Summit goals by Winter 2002/2003. • Manage NOAA grants for cooperative research on Narragansett bay fisheries and water quality. • Complete year 2 of Coastal Monitoring program with Roger Williams University and EPA (35 stations in the Bay) – October 2001. • Continue to coordinate and expand, as funding allows, the Bay Window Monitoring system of 13 data sampling buoys in Narragansett Bay to obtain more complete information on bay conditions. • Coordinate research and monitoring activities through the PNB – ongoing. • Conduct third annual Dissolved Oxygen Survey of Upper Narragansett Bay, - summer 2001. • Develop Indicators Index by – October 2002. 	<p><i>Narragansett Bay (cont.)</i></p> <ul style="list-style-type: none"> • Seeking partners for updated version of this project to support CCMP revision and citizen vision for the Bay. Investigating other options for Futures grant proposal; one possibility is community futures workshops in Tiverton, RI linked to new bridge construction in commercial district and planned expansion of mass transit links. • RFP released April 2002. Received \$420,000 in requests for \$122,600 in available funds; projects reviewed and selected; funded 10 projects in RI and Mass. • Ongoing. • Completed – data published by EPA Coastal Assessment Program. Program extended to 5 years. At approximately \$150,000 per year (2002 I is the 3rd year). Program is implemented by NBEP, EPA and URI/GSO. • Ongoing – received \$750,000 for this year from federal allocation through the efforts of Senator Chafee. • Ongoing. • Completed – Sept. 2001. • Ongoing – Received grant to use Battelle Inc. to further development of eco-indicators to incorporate into new State of the Bay Report.
<p><i>Biodiversity</i></p>	<p><i>Biodiversity – NEW</i></p> <ul style="list-style-type: none"> • Evaluate emulating the Massachusetts BioMap project, dependent upon funding.

Abundant Open Space and Recreation

Planned FY 2002/2003 Work Plan	Completed/Progress FY2002, Changes FY2003
<p><i>Greenways, Bike Paths, and Trails (cont.)</i></p> <ul style="list-style-type: none"> • Work with local sponsors to complete \$2 million worth of grant funded projects to match federal funding through technical oversight and reimbursement for projects, June 2002. 	<p><i>Greenways, Bike Paths, and Trails (cont.)</i></p> <ul style="list-style-type: none"> • On schedule; 50 % of projects completed and reimbursed: Central Trail System, Cumberland; Oaklawn Grange Park, Cranston; Waypoysset Reserve, Bristol; Oakland Forest, Aquidneck Island Land Trust. Seven additional projects in progress.
<p><i>Asset Management and Facility Maintenance</i></p> <ul style="list-style-type: none"> • Work with Governor’s office and legislative body to secure full funding for implementation of asset management plans addressing capital and non-capital needs; explore and develop where possible innovative funding sources. • Number of priority state facilities improved in 5, 10, 15 years. 	<p><i>Asset Management and Facility Maintenance</i></p> <ul style="list-style-type: none"> • The Department received approximately \$250,000 in its FY2002 budget for Parks and Recreation asset protection. Due to a downturn in the state budget, funds totaling \$1.227 million have been deferred for FY2003. We hope to recoup this funding in the next few years. • Too soon
<p><i>Increase public safety and public access</i></p> <ul style="list-style-type: none"> • Increase public access through construction of boat ramps and acquisition of shorefishing sites. 	<p><i>Increase public safety and public access</i></p> <ul style="list-style-type: none"> • Completed construction/reconstruction of 3 boat ramps at: Stone Bridge, Carbuncle Pond, and Haines Park. • Acquired first phase of Toste Farm, now referred to as Eight Rod Farm Management Area, has a large pond that will be stocked with trout and opened to the public for fishing.
<p><i>Events</i></p> <ul style="list-style-type: none"> • Schedule 6 – 10 events per year including Bay Day, the Jazz and Folk Festivals at Fort Adams, road races, charitable events, and the New England Championship Regatta. 	<p><i>Events</i></p> <ul style="list-style-type: none"> • DEM hosted the: <ul style="list-style-type: none"> • Governor’s Bay Day July 28, 2001 at Colt State and Roger Wheeler State Beach. • R.I. Historical Preservation & Heritage Commission Pow-Wow at Colt State Park August 18 and 19, 2001. • RI Bike Safety Day July 25, 2001 Goddard Mml. State Park. • Ntl Intercollegiate Sailing Association Dinghy Championships Roger Wheeler State Beach June 6 – 8, 2001 in cooperation with U.R.I. • Folk Festival at Fort Adams State Park August 4th and 5th. • Jazz Festival at Fort Adams August 11th, 12th, 2001. • Annual Autumnfest Celebration at World War II State Park over Columbus Day weekend October 6—8, 2001. • DEM participated in the “Big E” Exposition September 14 – 30 West Springfield, MA. The display showcased RI’s shoreline “A convenient retreat for the body and soul.” • DEM participated in the R.I. Spring Flower and Garden Show at the R.I. Convention Center February 14- 17 in 2002. This year’s display was “RI’s Secret Treasures,” representing the Hanna Robinson Tower and rock located on Routes 1 and 138 in South Kingstown.

Resource-Based Industries

Planned FY 2002/2003 Work Plan	Completed/Progress FY2002, Changes FY2003
<p><i>Fisheries Management</i> Reinvent the State's fisheries management system to ensure sustainability of the fisheries resource and fisheries through:</p> <ul style="list-style-type: none"> • Implementing short-term recommendations of the general assembly to improve licensing procedure Spring 2002. • Developing long-term strategies and implement when approved by stakeholders. • Introducing a statewide data collection system for all fisheries this calendar year. • Promulgating regulations for the possession and handling of shellfish by licensed shellfish harvesters by Spring 2002. • Developing programs and proposals to address: <ul style="list-style-type: none"> • Electronic license and data collection system by January 2003. • Principles to guide fisheries management by October 2001. • Options for commercial fishing license reform by January 2002. • License system for recreational marine fishing by April 2003. • Commercial aquaculture by January 2002. • Overall license restructuring by January 2002. • Implementing lobster management program; 40 trips to collect data on lobster population. • Increased trout and large mouth bass angling opportunities through acquisition of access areas, 10% annual increase in hatcheries production. • Continuing to participate and provide research support to: the New England Marine Fisheries Council and Atlantic States Marine Fisheries Commission, adopting regulatory changes as needed. • Conducting port and sea sampling and water quality studies. • Annual sampling: shellfish samples for 60 Narragansett Bay sites. • Continuing marine recreational fishing survey (MRFSS) to characterize the catch and value of the marine recreational fishery in RI. • Strengthening and restructuring citizen's advisory panels that advise the Marine Fisheries Council. • Forming a partnership with NMFS to study fisheries problems in Narragansett Bay. • Conducting marine fisheries surveys at trawl stations and coastal ponds; collect shellfish samples; collect lobster population data. 	<p><i>Fisheries Management</i></p> <ul style="list-style-type: none"> • DFW made recommendations to DEM and Intergovernmental Working Group. • Participated in discussions with industry at URI Coastal Institute. • Lobster logbook system in place, working with federal-state partners on other fisheries. • Regulations taken to public hearing, under revision based on hearing comments, filed in June 2002. • Working with federal partners and DEM licensing. • Completed. • Provided to DEM and IWG, legislation pending. • Conducted meetings and obtained input from recreational fishing community; they are strongly opposed. • Regulations taken to public hearing, revised based on public comment. Filed in June 2002. • Proposals made to DEM, IWG, bill passed by general assembly. • Lobster sampling program conducted as designed. • First phase of Toste Farm, acquired by DEM last year, has a large pond that will be accessible to the public and will be stocked with trout. • Hatchery production objective has been met. • Ongoing as needed • Summer 2001 survey done, 2002 ongoing. • 2001 survey completed, 2002 survey ongoing. • MRFSS survey done by 2 month sampling wave annually. • Ongoing in cooperation with Marine Fisheries Council. • Three active federal grants from NMFS in place to support research on Bay fisheries and to acquire a new research vessel 2002 surveys and sampling completed. 2002 work ongoing. • See Healthy Ecosystems for details.

Resource-Based Industries

Planned FY 2002/2003 Work Plan	Completed/Progress FY2002, Changes FY2003
<p><i>Facilities</i></p> <ul style="list-style-type: none"> Port renovations: provide upgraded port facilities for the commercial fishing fleet at Galilee and Newport by May 2003 and complete major renovations to marine fisheries laboratory facility at Fort Wetherill by April 2002. 	<p><i>Facilities</i></p> <ul style="list-style-type: none"> Ft. Wetherill restoration complete, DFW marine staff moved in. Bulkhead repairs in Galilee delayed/deferred
<p><i>Forest and Agriculture stewardship</i></p> <ul style="list-style-type: none"> Develop and implement programs with local agricultural growers and organizations, forestland owners, and the Rural Lands Coalition to: <ul style="list-style-type: none"> Provide technical assistance to 250 forestland owners by June 2002 and another 250 by June 2003. Establish farmers market at Fisherman's Memorial State Park, Haines State Park, by July 2001. Provide information on alternative forest businesses to assist forestland owners. Maintain or minimize loss of total acres in cultivation. Through marketing assistance, maintain high gross return per acre. Through marketing assistance help maintain high income from farmer's markets and roadside stands. Increase the number of farmers participating in farmer's markets. Increase the number of farmer's markets. Work with the Agricultural Land Preservation Commission, Forest Legacy Program, cities and land trusts to leverage \$5 million of bond money to buy development rights of working farms over the next five years. Mitigate effects of drought conditions for farmers by conserving water used for agriculture through best management practices. <ul style="list-style-type: none"> Finalize agricultural water withdrawal management plans – August 2001. Maintain readiness to implement protocol to respond to hoof and mouth disease. Increase hunting opportunities. Develop proposals and programs to address hunting and trapping as management tools to control excessive wildlife populations (deer, geese, beaver, coyote). 	<p><i>Forest and Agriculture stewardship</i></p> <ul style="list-style-type: none"> Provided assistance to over 250 landowners to develop management plans for 4,812 acres. Farmers market established, 4th market in state parks. Total farmers markets in state now 17. Held two workshops and distributed pamphlets on alternative forest businesses. 35,000 acres in cultivation, no change from 1999 to 2000, most recent year statistics available. DEM does not track gross return per acre, however, USDA reports an increase in gross return from 1999 to 2000, and the value of WIC coupons redeemed at farmers markets was over \$140,000 for 2001. RI has the highest direct income from direct marketing (farmers markets and roadside stands) in the country. RCRD report, December 2001. The average number of farmers participating in each farmers market increased from between 12 and 20 to between 15 and 20. The number of farmers' markets in state parks increased last year to 4 from 3, and overall from 15 to 17. Six farms protected in 2002. See Abundant Open Space and Recreation for more information. Completed – delayed by stakeholder process that was more involved than anticipated (1st quarter of 2002). Protocol completed July 1, 2001 - established and training is ongoing. Bird depredation bill passed to authorize DEM to issue permits to control nuisance birds. Extended the early hunting season for Canada Geese from 25 to 30 days (all of Sept.) and the will continue the late season piloted in 2001 from Jan. 14 to Feb. 15. Worked with The Nature Conservancy to open a new area of the Carter Preserve to hunting for deer. Provided technical assistance to landowners who have problems with coyotes. Produced a publication on beaver with information on: control structures, how to avoid nuisance problems, how to deal with problems that occur. Provided assistance to landowners who have problems with bears.

Open and Effective Government

Planned FY2002/2003 Work Plan	Completed/Progress FY2002, Changes 2003
<p><i>Work Plans</i></p> <ul style="list-style-type: none"> Continue to develop work plans for divisions and multi-program initiatives: <ul style="list-style-type: none"> Work plans for FY2002 and 2003 completed July 2001 Annual reports with progress indicators and performance measures published by February 2002 and 2003. 	<p><i>Work Plans</i></p> <ul style="list-style-type: none"> Completed August 2001. 2001 Annual Report published April 5, 2002. 2002 Annual Report too soon to report.
<p><i>Efficient Operations</i></p> <p>Continue to improve efficiency of internal operations:</p> <ul style="list-style-type: none"> Implement improved cost accounting system to track program/project expenditures by Dec. 2002. Work with the joint labor/management committee as established by contract negotiations to expand Professional Development Reviews to union staff in FY 2003 to make sure work plan objectives are met. Develop plan to address projected turnover rate in the next 5 years at DEM by June 2002. By 2003, complete review of job specifications & salary levels to ensure that responsibilities & authorities are clearly defined and meet program objectives. Provide diversity training to Department staff (contingent on funding). Supervisory Skills Development – Within 2 years of implementation of supervisor training course planned for 2002, 25 supervisors will have completed the curriculum (contingent on funding). <p>Continue to develop customer service orientation among management and line staff:</p> <ul style="list-style-type: none"> Develop a department-wide policy to and system to solicit customer feedback by July 2002. Provide training and response protocols for environmental equity complaints by January 2002. Determine need for multi-lingual information dissemination to serve our increasingly diverse constituency. 	<p><i>Efficient Operations</i></p> <ul style="list-style-type: none"> Project modified, lack of funding for original plan for online system. Implementation of Online Timecard System component to commence September 2002. Expect modifications from Focus Group and training for reviewers- also subject of contract negotiations. Assistants/Associates using a report with projections of staff eligible for retirement in the next 5 years to set priorities for filling vacancies and for long-term succession planning. Review of job specifications continued on an ongoing basis for all offices. No funding (draft Diversity Focus Group report done (April 5). Supervisors have been attending DOA Principles of Management and we will begin development of supervisory training at DEM. Finalized an environmental permitting customer satisfaction survey and plan on 6/18/02. The survey will be sent out this summer with a final report projected for the fall of 2002. Delayed – lack of staff. Will reset target based on FY 2003 staffing levels. Report completed, resources needed to implement.
<p><i>Public Outreach and Participation</i></p> <ul style="list-style-type: none"> By July 2003, develop a coordinated Department Public Outreach and Public Participation Plan that determines DEM outreach and public participation needs, identifies outreach and public participation opportunities, coordinates materials, and engages DEM employees on outreach and public participation activities. Enhance DEM website as a resource for environmental information by July 2003. Working with RI Resource Recovery Corporation and Dept. of Health, publish and distribute quarterly reports to stakeholders, on implementation of the Central Landfill Action Committee recommendations. 	<p><i>Public Outreach and Participation</i></p> <ul style="list-style-type: none"> Committee developed, planning is underway. A new environmental education resources website has been developed and is being posted on the DEM website. Watershed Notification System implemented in 2002. Annual update in progress.
	<ul style="list-style-type: none"> NEW – explore potential for URI assistance in translating source water assessments (SWAPs) into strategies for drinking water outreach.

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<p><i>Partnerships</i></p> <ul style="list-style-type: none"> Continue quarterly roundtable meetings with business and environmental communities. Continue to work with stakeholder groups, including Greenhouse Gas, Marine Fisheries Task Force, Waste Task Force, and watershed, agriculture, forestry, and land trust organizations. Initiate environmental equity advisory group. 	<p><i>Partnerships</i></p> <ul style="list-style-type: none"> Ongoing. All ongoing, with exception of environmental equity advisory group, which is delayed.
<p>Research and data management</p>	<p>Research and data management</p> <ul style="list-style-type: none"> NEW – Develop more effective and coordinated use of databases, current and historic with other state agencies and federal partners. Two examples: AIRS and STORET.
<p><i>E-Government</i></p> <p>Continuously improve E-government services and technology:</p> <ul style="list-style-type: none"> Work with DOA and legislature to gain ability to accept credit card payments to offer on-line boating and fishing and hunting licenses (ongoing) Provide the public with the ability to view the status of permits and compliance agreements by December 2001 Develop capability to allow submissions of selected permits. 	<p><i>E-Government</i></p> <ul style="list-style-type: none"> Online boat registration Renewals Service became available May 1, 2002. Commercial fishing licenses scheduled for January 2003. ISDS Permit Status Application launched August 8, 2002 to offer this service for ISDS applications. Discussions with portal provider ongoing. ISDS permits under consideration for electronic submission. Applications for Temporary Hazardous Waste Transporter Permits also under evaluation.
<p><i>Innovative Technologies</i></p> <ul style="list-style-type: none"> Develop a policy/position paper on using and promoting innovative technologies and information and management exchange by June 30, 2002. 	<p><i>Innovative Technologies</i></p> <ul style="list-style-type: none"> Completed June 2002.
<p><i>Staff Development</i></p> <p>Develop program to improve and reinforce decision-making skills by focusing on problem solving, multi-program communication, and team building.</p> <ul style="list-style-type: none"> Develop a training curriculum for improving and reinforcing decision-making skills by October 31, 2001. Implement the first round of training on improving and reinforcing decision-making skills by January 31, 2002. Offer training on improving and reinforcing decision-making skills to all staff in Bureau of Environmental Protection by December 31, 2002. 	<p><i>Staff Development</i></p> <ul style="list-style-type: none"> DOA has requested we wait until they complete their statewide mandatory Management Development Institute Training so DEM course will complement and not conflict with DOA's. They are close to finalizing their curriculum. Not completed and on hold (see above). Not completed and on hold (see above).
<p><i>Permit Streamlining</i></p> <p>Continue to streamline permit processes:</p> <ul style="list-style-type: none"> Complete implementation of the Permit Process Tracking and Information System (PPTIS), a computer infrastructure to process and track permit applications more efficiently and allow for concurrent review among divisions by Fall 2001. Continue to streamline permit processes, develop and implement a module within PPTIS to track the receipt and response to citizen complaints (One Stop Grant) by December 2003. 	<p><i>Permit Streamlining</i></p> <ul style="list-style-type: none"> The system completion date has been delayed. However, the Offices of Air Resources and Waste Management are using the system. The implementation for Water Resources has been postponed until July 1, 2003. The activities associated with the One Stop Grant are dependent on PPTIS implementation. Due to the delays in PPTIS implementation, work on the One Stop Grant will commence in January 2003.

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<p><i>Permit Streamlining (cont.)</i></p> <ul style="list-style-type: none"> • With stakeholders, complete evaluations of all major permit programs where problems exist to recommend legislative, regulatory, policy and administrative changes to improve them and implement recommendations, in efforts to continue to streamline permit process. • Reduce permit backlogs and improve predictability of permit decisions and time frames. – See Division Work Plans for details. <ul style="list-style-type: none"> • Implement recommendations of the Wetlands Task Force including regulatory reforms to clarify rules and create new application tiers to support streamlining. • Implement recommendations of the ISDS Task Force (to be determined). <ul style="list-style-type: none"> • Implement recommendations of the Site Remediation Permit Streamlining Task Force including regulatory changes to change the Arsenic standard and permitting of marginal risk sites and other changes that were recommended to streamline the process. 	<p><i>Permit Streamlining (cont.)</i></p> <ul style="list-style-type: none"> • Permit Streamlining committees completed in OWM for site remediation in September 2001. • Permit Streamlining Task Force for OAR was completed in May 2002. <ul style="list-style-type: none"> • RIPDES - reducing major permit backlog on track <ul style="list-style-type: none"> • Goal 12% by 12/01, completed 12/01 • Goal 8% by 6/02 • Blount draft completed by 6/02, final by 9/02 and Westerly completed 6/02 – on track • Goal 0% by 9/02 – goal revised to 4% by 9/02 • Warren 75% complete and on track. • Manchester Street behind schedule – revised schedule to be determined, will require assistance from other DEM offices. • Wetlands: Average decision time (PDs) improved from 126 days (for the month of 1/01) to 82 days (for the 2nd quarter '02). Progress slowed recently due to increased workload (more applications) and investment in outreach and training efforts (3) workshops between 12/02/01 and 5/30/02. • Phase 1 rules complete. Phase 2 rules 75% complete – behind schedule due to contractor change. <ul style="list-style-type: none"> • Draft Final Report completed 3/02. Draft rules in progress; ready for internal reviews 8/15/02; public workshops winter '02; expected promulgation 6/03. Administrative, outreach and training and customer service recommendations ongoing. • Marginal Risk Policy finalized/implemented fall 2001. • Marginal Risk Policy training session conducted Feb. 2002 with RI Society of Environmental Professionals (RISEP). • Complete Site Remediation regulatory changes by June 2003.
<ul style="list-style-type: none"> • Preconstruction Permitting – Implement recommendations of Air Permit Streamlining Task Force including regulatory and administrative changes that were recommended that will streamline the process. 	<p>NEW – Develop and coordinate further training with RISEP.</p> <p>NEW – Preconstruction Permitting</p> <ul style="list-style-type: none"> • Develop general permits or permits by rule for small degreasers, dry cleaners, emergency generators by 6/03 • Develop program for comprehensive permit application submittals. Pilot program by July 2002, full implementation by July 2003
<ul style="list-style-type: none"> • Streamline permitting of dam repairs consistent with new rules and policies of Governor's Dam Safety Task Force Fall 2001. • Provide timely decision-making on applications for dredging, dewatering, and beneficial use and disposal of dredge materials. <ul style="list-style-type: none"> • Adopt criteria by policy to identify types of suitable areas for the beneficial reuse of dredge materials, July 2001. • Work with CRMC to develop joint protocols and guidelines for coordinating dredging applications, October 2001. • Develop integrated regulations for dredge material management and dredging, January 2002 	<ul style="list-style-type: none"> • 75% complete. Will be part of Phase 2 rules slated for 12/02. • Appendix B promulgated in September 2001. • Done. • Draft regulations completed March 2002; public hearing in August, filing target is November 2002.

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Coordination with Other Agencies	Coordination with Other Agencies NEW – With DOH, evaluate the feasibility of consolidating programs such as source water protection and wellhead protection (SWAP and WHP).
<i>Environmental Leadership Program (ELP)</i> <ul style="list-style-type: none"> Complete study of feasibility of establishing an Environmental Leadership Program (ELP) to encourage regulated entities to making environmental improvements exceeding compliance requirement and make recommendations for ELP elements by September 2001 	<i>Environmental Leadership Program (ELP)</i> <ul style="list-style-type: none"> Completed, final documents sent to stakeholders and EPA in September 2001.
<i>Compliance Assistance</i> <ul style="list-style-type: none"> Complete autobody certification (ABC) program by December 2002, with 80-100% industry participation by June 2003. Establish a stakeholder group for a dry cleaning self-certification program by June 2003. 	<i>Compliance Assistance</i> <ul style="list-style-type: none"> Completed 39 pre-implementation audits in June 2002. Analyzing data and performance measures. Full program rollout expected in September 2002. Planning meeting with Air Resources in July 2002. Initial research occurring. Draft Program Guidebook produced by Tufts University in May of 2001.
<i>Fair and Effective Enforcement</i> <ul style="list-style-type: none"> Finalize an enforcement response policy to standardize enforcement principles, practices and procedures, March 2002. Recommend changes to the Assessment of Administrative Penalty regulations to ensure that fines are appropriate for the non-compliant actions, by June 2002. Issue timely and appropriate enforcement actions in response to significant noncompliance with environmental statutes and regulations (see Compliance and Inspection Work Plan for specific targets). Develop a comprehensive policy to triage air complaints including visible emissions, fugitive dust, and odor, to address the most urgent complaints immediately by September 30, 2001. Increase permit compliance inspections for wetlands permits and RIPDES minor permits. 	<i>Fair and Effective Enforcement</i> <ul style="list-style-type: none"> Awaiting preliminary draft from Assistant Director. Revisions to regulations were begun and are now awaiting potential changes in penalty legislation under consideration in the legislature. Appropriate enforcement actions on track. “Timely” actions sometimes a problem due to limited staff at OC&I and Office of Legal Services. Numbers and complexity of cases may delay issuance. OC&I also lacks a computer tracking system to coordinate measurement goals. Draft policy forwarded to assistant Director for review on 11/29/01. Awaiting comments. <u>Minor RIPDES permits</u> – <ul style="list-style-type: none"> Inspect 1 facility in Woons. Watershed – completed. Inspect 3 significant non-compliers – 66% complete, on track for 9/02. 10 facilities associated with permit re-issuance on track for 6/03. <u>Wetlands</u> – Office of Water Resources staff conducted over 200 compliance inspections 7/01 – 6/02.