

**Environmental Oversight Status 11/8/07 (Final)**

#	Date Action/Recommendation	Lead Member	Current Status	Historical Comments	To BOS Date	Final Date
1	<p><b>ENVIRONMENTAL EDUCATION</b></p> <p>The BRCC recommended the BOS designate a permanent educational coordinator and provide ongoing funding to coordinate environmental education programs, and in particular, nitrogen loading and waste water, in conjunction with the School Committee.</p>	R. M.	<p><b>Focus Modified</b></p> <p>Committee member Ralph Marcelli will coordinate with the school Dept. at varying organizational levels to provide an insight from the school relating to the best way forward to improve or formalize the environmental education of our students.</p> <p>Students have formed, with a School provided and funded Advisor. MEC will present \$100 Club donation at the School Board Meeting 11/14/07 EOC has requested copy of student presentation scheduled for the meeting when accomplished.</p>	<p>BOS comment made that Falmouth has a volunteer group that does this for them and maybe this would be more appropriate then creating a new position. Ted Theis is in contact with the education coordinator from Cape Keepers, as well as Gabrielle Belfit from the Cape Cod Commission and members of several Falmouth organizations about coordinating educational efforts on a Cape-wide basis.</p> <p>9/21/07 R M provided the committee with a listing of actual and proposed environmental education events. Potential Senior Projects include alum impact studies, dune grass plantings, shellfish propagation, etc.</p> <p>Planning is underway for this year's Fair with recycling as the Theme.</p>		
2	<p><b>MASHPEE RIVER DREDGING</b></p> <p>The BRCC recommended the BOS use the Transfer Station grounds as a repository for dredging spoils from the Mashpee River in order to move this project forward without further delays. <b>MASHPEE RIVER DREDGING</b></p>	D. M. G. G	<p><b>Still in Progress</b></p> <p>8/16/07 Acting Chair George Green will follow up to acquire a library of scientific reports generated to date and the status of going forward activities.</p>	<p>Jim Hanks presented his report on the status of the Mashpee River dredging project at the 2/9/06 BRCC meeting.</p> <p>Jim Hanks reported to the BOS that testing of core samples indicated that the salinity was too high to place significant amounts of potential dredging material at the Transfer Station.</p>	1/2/06	

	<p><b>(Continued)</b></p> <p><b>The EEC also requests the Board of Selectmen provide an overall status on the dredging project.</b></p>		<p>9/20/07 Waterways Commission will be invited to provide status at a future Oversight Committee meeting.</p> <p>10/11/07 No Change in Status</p> <p>11/8/07 No change in status Waiting library</p>	<p>The BOS have requested a report from the Waterways Comm. every two months to provide closer monitoring.</p> <p>The suggestion that the dredge material be placed in a depression at the transfer station presented some problems, one of which was that the dredged material conductivity levels must not exceed DEP requirements. Mr. Hanks indicated that the next step would consist of taking core samplings in the spring and getting them measured for conductivity to see whether they fall within DEP requirements. If they exceed DEP requirements, the proposed disposal site at the Transfer Station would not be allowed.</p> <p>Save Mashpee Waterways presented petition signed by 550 citizens asking for actions to solve pollution crisis in Mashpee waters.</p> <p>Mr. Hanks also discussed several other alternatives such as building marsh islands with the dredge spoils and the use of "side-casting" the spoils along marsh edges of the river. Mr. Hanks explained that these processes are much more difficult to permit and that "side-casting" may not be allowed by DEP. Town Planner, Tom Fudala, has suggested that this project may be characterized as marsh restoration, which is viewed more favorably by the State.</p>		
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**MASHPEE RIVER DREDGING  
(Continued)**

Ted Theis introduced Mr. Oskar Klenart, P.E., to the Waterways Committee with a possible answer to make side-casting spoils more viable. Ted is continuing to work with the committee on side casting alternatives.

On 9-11-06, Mr. Hanks reported to the BOS that contract delays for testing and modeling services have pushed back completion of the next phase until early December 2006.

Per Town Manager, two contracts signed and the BOS will get an update on the modeling in December 2006.

The results of all modeling received indicate miniscule changes in the water quality parameters evaluated so small as to be inconsequential. All dredge approaches would not reduce water quality.

3	<p><b>COMBINE WATER-SEWER</b></p> <p>The BRCC recommended the BOS work with the Mashpee Water District and Sewer Commission to formulate a combined fresh water/ waste water entity that would be responsible for locating, providing and ensuring the quality of the Town's water supplies and the resultant impact on the environment.</p>	D. M.	<p><b>On Hold</b></p> <p>BOS put combining the Sewer Commission and Water District on back burner until the new sewer report regarding needs is released later in 2007.</p> <p>G. Green suggests hold remain until current status of Town/District relationship resolved.</p> <p>9/20/2007 No Change</p> <p>10/11/2007 No Change</p> <p>11/8/07 No change, Sewer Commission chair will be invited to a future meeting.</p>	<p>Per Tom Fudala, the Water District counsel has researched this issue and is preparing a report on the issues involved in creating a water/sewer district that was presented to the Water District in November 2006.</p> <p>The Water District, Sewer Commission and Board of Selectmen held a joint meeting in February 2007, at which time representatives of each group were tasked with looking at this issue in conjunction with the release of the sewer study reports during the remainder of 2007.</p> <p>Needs Assessment has been completed and issued. Draft technology report has been released.</p>	1/2/06	
4	<p><b>NATURAL FERTILIZERS/ FRIENDLY LAWN PROGRAM</b></p> <p>The BRCC recommended the BOS use natural fertilizers and materials for maintaining Town playing fields and buildings to set an example for the rest of the community.</p> <p>The BRCC also seeks support for the creation of a "friendly lawn" program similar to the one in Falmouth.</p>	E. T. B. K. R. M.	<p><b>Partially Completed – Still in Progress</b></p> <p>Ted is working with Plymouth County Sheriff's Office for printing and with Michael Talbot and Bob Maffi on Mashpee "Best Lawn" awards project.</p> <p>E Theis made the group aware of the nutrient reduction benefits of "Rain Gardens" in the development of future landscaping practices.</p>	<p>DPW received proposals to use natural fertilizers as well as traditional chemical methods.</p> <p>Per Brad Tripp in Oct 2006, the School Dept. is following the requirements mandated by the State and provided a link to the State Website. The BRCC reviewed the usage plan submitted by the School but needs to follow up since we could not determine the actual state requirements from the usage plan document. Subsequent review of State requirements for schools focuses on</p>	1/2/06	

	<b>NATURAL FERTILIZERS/ FRIENDLY LAWN PROGRAM (Continued)</b>		<p>11/8/07 EOC Member E Theis is working efforts to establish the program county wide and hopes to have progress in the spring. Falmouth Friendly Lawns asks only for credit for use of any of their product.</p>	<p>restricting certain chemical and pesticides that have ingredients of toxicological concern or are classified as known, likely, or probable human carcinogens by the U.S. EPA. BOS has included natural fertilizers in contract for Town landscaping. DPW has converted to organic fertilizers for around buildings and is testing one field at Heritage Park using organic fertilizers. The other fields are being treated with a chemical/organic mixture that is being used by Falmouth. Budget for 2008 would include continuing this chemical/organic mixture. School Department has identified fertilizers in use as approximately 50% water insoluble nitrogen fertilizer (WIN) "par ex" a desired form to reduce leaching.</p>		
5	<b>Grant Applications</b>  <b>The committee has suggested the town increase efforts to obtain grant funding in support of environmental sustainability.</b>	G. G.  All	<p><b>New Item</b></p> <p>10/11/07 9/28 County Grant Request no input. Time constraints prohibitive.</p> <p>EOC will provide suggestions for anticipatory efforts to provide sufficient time to respond to periodically Available grants 11/8/07 Depts. Will be asked for suggestions, Waterways Commission &amp; tax credit program potential to be evaluated</p>	<p>Selectman Green will get "a sense of the Board" indicating the flexibility committee members may exercise in pursuit of grants without committing the Town.</p> <p>Committee members have been requested to provide suggestions relating to a Cape Cod Water Protection Collaborative Grant with an application deadline of 9/28/07.</p> <p>D Myers indicates there is no problem with individual Committee members seeking other town-external agency inputs for potential grants without committing the town.</p>	8/16/07	

6	<p><b>Brochures and Handouts</b></p> <p><b>The BRCC voted to request the Water District to help support educational programs regarding conservation, environment and water issues.</b></p>	E. T.	<p><b>Partially Completed – Still in progress</b></p> <p>9/20/07 E Theis is investigating publishing opportunities for “Falmouth Friendly Lawn” similar items.</p> <p>10/11/07 In process</p> <p>11/8/07 E Theis provided a grouping of existing handouts to be evaluated for broad distribution.</p>	<p>BRCC discussed asking the Water District to co-op print brochures and then distribute them in billing mailings.</p> <p>Can Health Dept. distribute their low flow showerheads and other information or items they distribute to the public to reach more people?</p> <p>Water District helped with printing of Water Brochure.</p> <p>Received 200 brochures from MWRA too late for February 2007 Water fair. Ted will ask Superintendent to distribute to Middle School classes.</p>	1/2/06	
7	<p><b>TOWN-WIDE STORMWATER MANAGEMENT PLAN.</b></p> <p><b>EOC will oversee and coordinate this action item that will involve Municipal, Commercial, Industrial and residential components)</b></p> <p><b>This task will require participation by the following:</b></p> <p><b>Planning Board, Zoning Board of Appeals, Board of Health, Conservation Commission, D.P.W., School Department, Animal Control Officer, Water District, Barnstable County, Mashpee Environmental</b></p>	BK FOR PLNG BOARD	<p>The Planning Board will continue to review/develop local zoning by-laws, general by-laws, special permit regulations, and will undertake a complete review of the subdivision regulations with a focus on stormwater management.</p> <p>9/20/07 Planning Board will evaluate “no increase in lot runoff” bylaw potential. 10-21-07</p> <p>10/11/2007 DPW (C.Laurent) discussed the three bioremediation areas on Quinaquisset adjacent to surface waters and the annual NPDES Phase II report.</p> <p>DPW is waiting comments on the DEP/EPA submitted report.</p>	<p>Under the Blue Ribbon Comprehensive Committee, The Planning Board addressed the problem of stormwater runoff and completed revisions to the following 3 zoning by-laws. They were presented for voter consideration at the October 2006 town meeting.</p> <p>(1) Revisions to 174-27, Water Quality Report. This by-law was revised to provide revised water quality impact reports as part of the requirements for approval of a definitive sub-division plan.</p> <p>(2) Revisions to 174-27.2 Stormwater Management. This by-law was revised to provide for stormwater best management practice standards for any new residential or non-residential development requiring either subdivision approval, a special permit, plan review under the provisions of Subsection 174-24B, or a building permit for a building over one thousand (1000) square feet in area.</p>	11/06	

7	<p><b>Stormwater Management Plan (continued)</b></p> <p><b>Coalition, GIS Dept., Shellfish Warden, Building Dept. A town-wide stormwater management educational program will also be required.</b></p>		<p>We are in the final year of the programmatic license.</p> <p>Committee comments on Stormwater Best Management Practices (BMPs) centered on the potential benefits of EOC stormwater management leadership and also a policy development requiring BMP implementation/evaluation for any new or repaired infiltration units.</p> <p>DPW is reviewing potential BMP actions for Sampsons Mill Rd Bridge area. They need to develop a maintenance plan and schedule for BMPs.</p> <p>9/20/07 Planning Board will evaluate “no increase in lot runoff” bylaw potential.</p> <p>!!/8/07 Conservation agent supports Rowley report and will discuss it with him. Hydrograph guidelines for stormwater BMPs were suggested.</p> <p>BK reports Planning Board efforts for a stormwater primer useful to the Planning Board and the EOC has been started.</p>	<p>(3) Revisions to 174-47 Cluster Development. Thjs by-law covers development of 5 or more acres in a residential district and requires a special permit (except as waived by the Planning Board). It was revised to further reduce the impact of new development on the Town’s water quality and natural resources and to promote more efficient land development. A stormwater treatment management plan is required.</p> <p>All 3 were passed by voters at the October 2006 town meeting and approved by the Attorney General on 2-13-2007.</p> <p>Planning Board Consulting Engineer Charles Rowley’s report “Stormwater Report on Runoff to Mashpee &amp; Santuit Rivers From Public Ways” was completed in May 2006. This report identified locations where corrective measures to reduce runoff contamination of Mashpee and Santuit waters are needed. DPW and Conservation Commission received a copy for review of action items recommended in the report.</p> <p>As of 9/20/2007 still waiting formal response to the report from DPW and ConsCom. DPW did submit a grant request to CZM but it was not funded.</p> <p>DPW will be invited to the next EOC meeting on 10/11/2007 to discuss the Quinaquisett Avenue paving/storm drain project and to review the “Annual Report, NPDES PII Small MS4 General Permit”, (4/1/2006 – 3/31/2007)</p>		
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8	<p><b>SANTUIT POND</b></p> <p><b>The BRCC recommended the BOS look into the source of the pollution that is killing off Santuit Pond. 9/14/06 BRCC meeting.</b></p>	<p>Ed Baker Don Myers Ted Theis</p>	<p><b>Still in progress</b></p> <p>Ed Baker suggested \$40,000 funding article for identifying and quantifying Santuit Pond phosphorus sources. The Town Manager has indicated financial considerations dictate delaying the funding article until the Fall 2007 Town Meeting, however we should do an RFP to determine the anticipated cost.</p> <p>9/20/07 No current RFP status. Fall Town Meeting window missed.</p> <p>10/11/2007 R York outlined a proposal for automated water quality parameter measuring devices for presentation to the Cable Advisory Committee as a funding application. The committee voted to support the request for Cable Technology Funding unanimously.</p> <p>No current RFP status</p> <p>11/8/07 Member and Shellfish Constable R. York anticipates request to Cable Advisory Committee by 11/12. Chair D Myers reports planned contact with L Counsell to determine any activities planned for phosphorous remediation by Barnstable.</p>	<p>Per Town Manager, the Estuaries Project looked at this issue but they do not plan to take action. They are looking at cranberry bogs a part of the Poppy Pilot Program but not looking into the phosphorus issue.</p> <p>BRCC, on 2/15/07, supported the acquisition of two submersible water parameter measuring devices to provide more specific data on fresh water bodies conditions. Deployment of the devices would be an extension of the existing Shellfish Department water quality monitoring program and be supported by existing Environmental Coalition Pond Health Monitoring Volunteers and others. Selectmen Myers will forward a funding request to the Cable Advisory Committee for available funds.</p>	10/06	
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9	<p><b>CREATE LAND STEWARD PROGRAM</b></p> <p>The BRCC recommended the BOS evaluate the feasibility of creating a “Town Lands Volunteer Stewards Corps”.  <b>CREATE LAND STEWARD PROGRAM (continued)</b></p>	Ed Baker	<p><i>In process</i></p> <p>Conservation is reported to be compiling a list of town open space lands.</p> <p>A Draft Mashpee Land Stewards protocol was distributed to committee members for comments and corrections to be reviewed at a future meeting.</p> <p>9/20/07 No comments made on draft protocol</p> <p>11/8/07 Conservation (Andrew McManus) attended the meeting, supports the program and additionally noted expanding non-conflicting uses would bring additional concerned citizens to the lands</p> <p>A report by Haley/Aldrich a Quashnet feasibility study relating to trout habitat and the bogs has been completed with various options to be evaluated.</p>	<p>The Conservation Commission, a potential lead Town Department, is currently considering the leadership role</p> <p>Ed Baker gave BRCC Members copies of the current Falmouth 300 Committee’s Protocol as a guide for the Mashpee proposal.</p> <p>Volunteers would work in conjunction with a Town coordinating Department to provide status information, minor trail maintenance, problem identification, etc. for Town-owned parcels of Open Space. Ed Baker, Mashpee Environmental Coalition and Ted Theis offered assistance in recruiting volunteers. VFW committed to participate.  Conservation Commission declined Leadership Role</p>	3/26/07	
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10	<p><b>STORMWATER BIOFILTER</b></p> <p><b>The BRCC recommends that the BOS ask the Town Manager and DPW to work with Ted Theis regarding evaluating Clean Water Solution's storm water biofilter.</b></p>	E. T.	<p><b>On Hold</b></p> <p>Installation delayed until rainfall conditions are optimum for effective evaluation.</p> <p>11/8/07 Evaluation waiting optimum water samples availability.</p>	<p>Ted Theis met with the Town Manager and approval to test this biofilter was received. Installation pending appropriate weather.</p>	11/06	
11	<p><b>Technology Applications</b></p>	D.M.	<p><b>To be Scheduled</b></p> <p>9/20/07 The Town's Information Technology Specialist will be invited to a future meeting to educate the committee on available technologies that could be helpful in the future. Areas of interest include a Web Site (page), telemetry, remote cameras, etc. .10/11/2007 Web Page on line</p> <p>11/8/07 Technology Specialist will be invited to next meeting.</p>	<p>The committee needs to schedule a workshop session with the computer systems experts to develop an understanding of what innovations are available for environmental applications</p>		

12	<b>Recycling</b>	All	<p><b>Discussion Level</b></p> <p>10/11/2007 There is a need to better publicize “Recycling at the Transfer Station does not require a sticker for households.”</p> <p>Cost of relocation to an improved location for corrugated cardboard recycling at the transfer station is needed for evaluation.</p> <p>11/8/07 Board of Health requirement for private haulers to offer customer recycling requires reinforcement.</p>	<p>The committee members generally trend towards adding recycling to the action items listing based upon the various favorable environmental and financial gains possible in an increased recycling activity beyond the gains already achieved by C Laurent.</p> <p>All town buildings are now recycling all paper grades.</p>		
13	<p><b>Ashumet Pond Phosphorous</b></p> <p><b>Actions undertaken by AFCEE/MMR-IRP have contained the phosphorous enrichment of Ashumet Pond.</b></p>		<p><b>NEW ITEM 11/8</b></p> <p>AFCEE has indicated support to Town and NGO organization water quality monitoring efforts as a stakeholder involvement in ongoing monitoring to assure the continued effectiveness of the fixes introduced to date.</p> <p>Before proceeding to include this potential funding source into the Town’s water quality monitoring activity, Selectman/Town Manager approval is needed. Selectmen Myers will solicit a “sense of the leadership”.</p>			