

**Millstone Watershed Management Area
Open Space and Riparian Area Preservation
Strategy Worksheet: MOR-S3B1 & MSW-S2B2**

<p>Strategy: "Adopt-a-Stream" Restoration Program MOR-S3B1: Create an "Adopt-a-Stream" program of stream bank restoration and reforestation opportunities for businesses, schools, and environmental groups MSW-S2B2: Implement a stream bank restoration program</p>	Strategy Priority: L (H/M/L)
<p>Objectives Addressed by Strategy: MOR-O3B: Restoration of degraded and impaired stream corridors and riparian areas by 2010 MSW-O2B: Restoration of existing stream channels</p>	Strategy Schedule: (Begin/End)
<p>Narrative Description of Strategy: Many reaches of the Millstone River and its tributaries experience chronic erosion and sedimentation problems. This may be due, in part, to the many soils in the Millstone WMA that are classified as having a moderate risk of erosion as well as increased flow volumes and velocities caused by urbanization (flow through stormwater systems versus natural channels) and/or possible changes in historic rainfall patterns. Eroded soil is eventually deposited as sediment in lakes and streams. In particular, Carnegie and Peddie Lakes in the Millstone WMA are noted for sedimentation problems. As of 1995, the Millstone WMA had lost 28% of its historic riparian area. Riparian areas provide protection to streams by slowing runoff into streams and filtering pollutants. By restoring non-impaired riparian areas, this strategy will reduce the potential for erosion and improve the existing stream buffer. Volunteer opportunities and sponsorship programs will be developed to provide funding and labor for restoration projects. Sponsorship programs will also be used as a means to educate and bring "ownership" into stream restoration efforts, reinforcing the need for stakeholder involvement.</p>	
<p>Areawide WQM Plan Consistency Determination Issues: None</p>	

Action Plan (Steps or Tasks)	Responsible Parties for Planning, Design & Implementation	Responsible Parties for Oversight	Resource Needs (L,M,H,VH)	Committed or Recommended Resources	Major Challenges and Opportunities	Evaluation Method & Indicators	Schedule and Milestones for Implementation
1. Determine who runs "Adopt-a-_____" (such as park, stream, highway, etc) and similar projects and interview them for their lessons learned and program successes.	C: R: Millstone WMAC; MEO; Counties	C: R: Millstone WMAC	L	C: Chesapeake Bay Riparian Buffer Handbook R: Existing resources; NJDOT	O: NJDOT "Adopt-a-Highway" Program	Lessons Learned Memorandum and Advice	2003
2. Identify stream reaches appropriate for restoration projects and develop an inventory and prioritization of impaired reaches and proposed restoration.	C: R: Millstone WMAC; SBMWA; Municipalities; Counties	C: R: Millstone WMAC; SBMWA	L	C: SBMWA Beden Brook Evaluation R: Existing resources; Foundation grants; NJDEP TMDL field surveys	C: Keeping inventory and prioritization current	Inventory and prioritization	2003

C: = Committed; R: = Recommended; NJWSA: New Jersey Water Supply Authority; NJDEP: New Jersey Department of Environmental Protection; SBMWA: Stony Brook – Millstone Watershed Association; NJGS: New Jersey Geological Survey; USGS: United States Geological Survey; NLN: Natural Lands Network;

Strategy Name: MOR-S3B1 & MSW-S2B2 “Adopt-a-Stream” Restoration Program

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Action Plan (Steps or Tasks)	Responsible Parties for Planning, Design & Implementation	Responsible Parties for Oversight	Resource Needs (L,M,H,VH)	Committed or Recommended Resources	Major Challenges and Opportunities	Evaluation Method & Indicators	Schedule and Milestones for Implementation
3. Plan activities and determine restoration effort (supplies, labor, food for volunteers) for stream reaches	C: R: Millstone MWAC; SBMWA	C: R: Millstone WMAC	L	C: R: Existing Resources; 319 and CBT grants, Foundation grants		Planned Activities	
4. Solicit organizations to “Adopt-a-Stream” and determine what they are able to provide (funds, labor, garbage bags, donuts, port-o-potty, etc.)	C: R: Millstone WMAC; Municipalities; Counties	C: R: Millstone MWAC	L	C: R: Existing resources; 319 and CBT grants, Foundation grants	O: Service organizations (Girls scouts; Boy Scouts; School service learning programs);	List of available “resources” from organizations	
5. Match stream restoration projects to organizations.	C: R: Millstone WMAC; Municipalities; Counties	C: R: Millstone WMAC	L	C: R: Existing resources; 319 and CBT grants, Foundation grants		Matched organizations to streams	
6. Acquire access permission for any portion of streams not on public property.	C: R: Counties; Municipalities;	C: R: Millstone WMAC;	L	C: R: Existing resources, CBT grants	Absentee landowners; liability issues	Access	
7. Design (plan) the stream restoration project.	C: R: Millstone WMAC; Counties; Municipalities; RB TAC; SBMWA	C: R: Millstone WMAC	L-M H for multiple projects	C: R: Existing resources; 319 and CBT grants, Foundation grants;		Restoration “designs”	

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8. Implement stream restoration projects.	C: R: SBMWA, Millstone WMAC; Counties; Municipalities; Volunteers; Sponsors	C: R: Millstone WMAC	L-M per project H for complete restoration in WMA	C: R: Existing resources, 319 and CBT grants; Foundation grants; Clean Communities grants; Mosquito Commissions (Equipment)	C: Coordination of resources from multiple organizations	Restored Riparian Areas	
9. Document and advertise projects on TV; in newspapers – local and regional; and in newsletters to garner additional interest in the program.	C: R: MEO; SBMWA	C: R: Millstone WMAC	L	C: R: Existing Resources	C: Press interest	Articles and news stories about projects; Photos; Sparked interest from other organizations.	

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