

# MISSISSIPPI MAKEOVER

*A Plan for Restoration, Just  
Around the Bend*

Citizen Advisory Group Meeting  
December 1, 2009  
Hastings, MN





# Spring Lake Clean Up by Hastings Environmental Protectors

- Will be held in the fall just before duck season; after early goose season; just one Saturday.
- Will target the area from the Hastings dam to the C.F. industries grain docks on the Dakota county side of the main channel of the river; shoreline of the lake and the islands area.
- Plan to have access at four locations
- Plan to have up to 100 volunteers on the project
- We are soliciting volunteers from Ducks Unlimited as we need people with boats to shuttle people and haul bagged garbage. Now have 6 boats lined up but need about 20 boats.
- We will also solicit volunteers at the rivertown days especially for the shoreland cleanup at the dam and the public landing.



# Spring Lake Clean Up by Hastings Environmental Protectors

- Present sponsors and helpers on the project include Flint Hills Resources, DNR Wildlife, Dakota County Parks , Ducks Unlimited.
- H.E.P. is the main sponsor and organizer of the project. We plan to talk to C.F. industries and some others. If anyone is interested in helping they can call me or send me an email at [viethast@aol.com](mailto:viethast@aol.com)

# Public Open House

- January – before legislative session begins Feb. 4<sup>th</sup>
- Goals /Outcomes
- Location and Time
- Format (Presentation?)
- Groups to include (HEP, Lake Pepin Legacy Alliance, etc.)
- Advertising
- Other Considerations?

TMDL* and Mississippi Makeover Indicators	Natural background	Existing	8-year interim target	15-year target (meet standard)
Water clarity - TSS (mg/l) – June–Sept. avg 1976-08, L&D 2&3 avg - Secchi (cm) – June–Sept avg at Lock & Dam #3 - Secchi (cm) – June-Sept average in Lake Pepin	<10	47 38.5 68	39.5 43 74	32* 47 80
Aquatic vegetation - SAV % frequency of occurrence – EMAP sampling - species richness (maximum # species)		~9 9	15 10	21* 11
Sedimentation (Lake Pepin) - life span (years) - accumulation amount (metric tons/year)	4,000 80,000	300 865,600	450 683,000	~600 502,000
Mississippi Makeover Indicators			10-year target	20-year target
Invertebrates (mussels) - catch/unit effort (% sites with $\geq 10$ /min) - catch/unit effort (% sites with $\leq 1$ /min) - species richness (# species) - Mucket mussel (% of population) – Grier, 1920 Pools 5,6	41 8	5 33 28 0	7 25 30 0.1	10 20 35 1
Fish - fish assemblage (backwater areas) - fish assemblage (main channel and side channels)	See fish assemblage figures and table			
Waterfowl	Surveys begin in fall, 2009 to establish baseline data and set targets			
Aquatic Habitat Quality Index (AHQI) – Pool 3		12		15