

Birch Stream Watershed Management Plan – 2009 Stakeholder Meeting #2



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AGENDA



1. Introductions of Presenters, Staff, & audience
2. The Reason for a plan
3. Review components of the plan
4. Categories of best management practices
5. Bmps Completed or In Process
6. Proposed bmps
7. Next steps

The Reason for a Plan



- **Citizens of Bangor**
 - Community Pride – We expect surface waters to be clean and healthy
 - Prefer to create solutions – Not to have them forced (mandated)
- **Clean Water Act 1972**
 - No discharge from a point source without a permit
- **States Prepare TMDLs**
 - Pollution budget (waste load allocation) for impaired portions of watershed
- **Watershed Management Plan or Individual Permits**
 - Vermont example
 - Long Creek example
 - Bangor on the horizon

The Reason for a Plan



- **Collaborative Watershed Effort**
 - Save money - economies of scale, pooled resources...
 - Sub-watershed approach (shared lots)
 - Fund priority actions, not ALL actions
 - Prioritize most cost effective solutions first
 - More flexibility for Property Owners
 - Restoration can only occur as a collective solution



Components of a Watershed Management Plan



In Just Nine Easy Steps!

1. Identify causes of impairment and pollutant sources that need to be controlled to achieve load reductions.



Components of a Watershed Management Plan



- 2 Describe management measures (BMPs) to be implemented and critical areas where they need to be installed.
- 3 Estimate the (pollution) load reduction expected from each management measure.
- 4 Estimate the amount of technical and financial assistance needed, and the sources that will be relied upon.

Components of a Watershed Management Plan



5. Develop a schedule for implementation of the management measures.

20 years

10 years

5 yrs

15 years

Components of a Watershed Management Plan



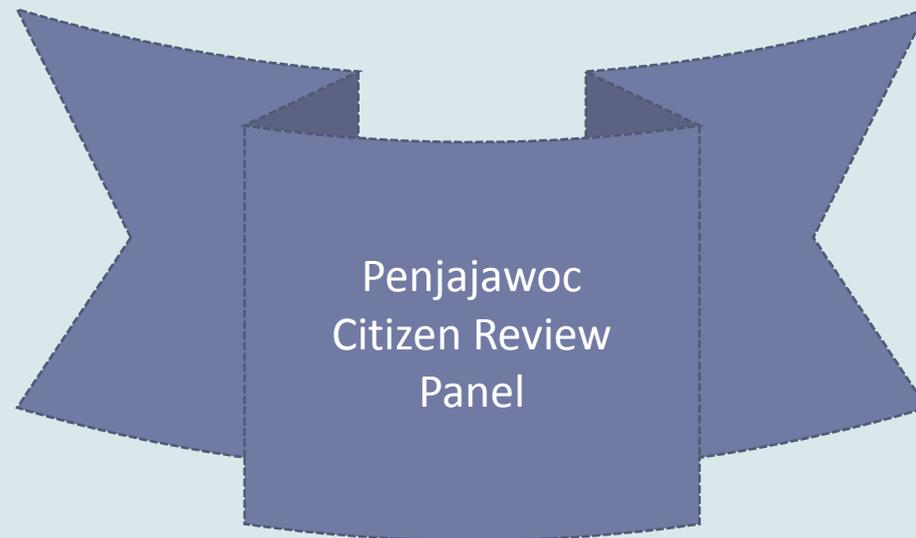
6. Develop interim measurable milestones to determine if measures are being implemented.
7. Develop a set of criteria to determine if substantial progress is being made.
8. Develop a monitoring component to evaluate the effectiveness of our efforts.



Components of a Watershed Management Plan



9. Assign responsibility for reviewing and revising the plan.



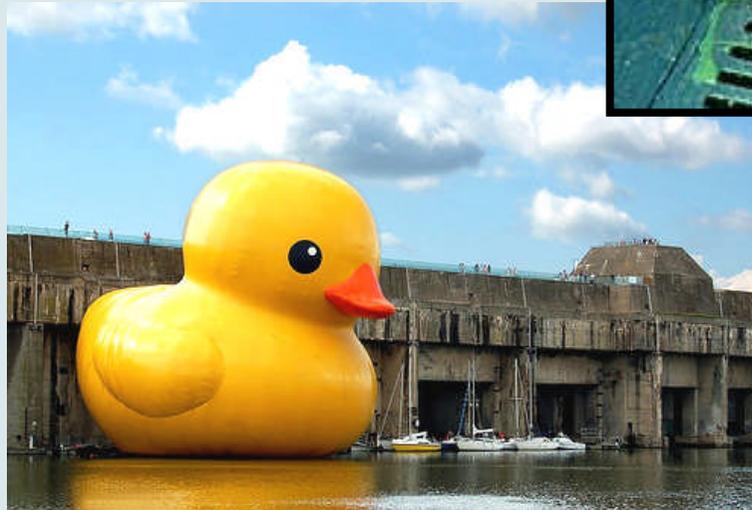
Management Measures = Best Management Practices (BMPs)

- Policies /ordinances
 - Illicit discharge
 - Pet waste
 - Post Construction
 - Certified Contractors
 - Maximum parking spaces
 - Redevelopment



Best Management Practices (BMPs)

- Outreach and education measures
 - Think Blue
 - Lawn care tips (Business Friends)
 - Snow Dump Tips
 - Salt/Sand Mgmt
 - Proper Pet Waste Disp
 - Vehicle Maint.



Best Management Practices (BMPs)



- **Constructed systems**
 - New facilities
 - Old facilities



Best Management Practices (BMPs)

- In-stream restoration
 - Channel
 - Bank stabilization
 - Riparian habitat



Best Management Practices (BMPs)



Recommendations from Stakeholders?

