

## **Section XI: Implementing the Measures**

### **Monitoring Plan**

Future monitoring of the watershed will need to include further baseline data collection once the diversion structure is constructed as part of the flood control project. This structure will be located west of Hart Ditch and will divert high flows to the east by limiting the amount of flow that can travel west. This diversion will significantly alter water quantity and quality in the areas covered under this study by diverting storm flows from Hart Ditch through these watersheds. This additional baseline data collection is eligible for 319 grant funding and is targeted to be conducted in 2009.

Water quality sampling will be conducted to determine the status of indicators for the bacteria and nutrients as discussed under Goals #1, #2, and #3. The future sampling plan, including a QAPP, will have to be determined once the new baseline data has been collected and some of the BMP's outlined in this plan have been installed. At a minimum this sampling should include sampling the same seven sites that were sampled during the development of this plan for both base flows and high flows. Additional locations should be added between these locations to clarify pollutant levels and the effectiveness of BMP's in use at that time. Monitoring of indicators for Goals #1, #2, and #3 is planned for five (5) years after the next round of baseline data has been collected and then every five years after that. A consultant or laboratory will most likely be needed for this sampling to ensure uniformity.

At that time, the area, in acres, of floodplains, wetlands, natural areas, riparian corridors identified, protected, improved, and/or restored should be evaluated to determine progress under Goal #4. A public survey should be conducted with a representative sample in each municipality to determine progress under Goal #5. The number of new public access sites and connectivity projects completed should also be tallied at this time to measure the progress under goal #7. These tasks can be performed by the entity that is the end result of Goal #6 with volunteers from each municipality and should be repeated every five (5) years starting in 2014.

<b>Goal</b>	<b>Indicator</b>	<b>Responsible Party</b>	<b>First Report</b>	<b>Second Report</b>	<b>Third Report</b>	<b>Fourth Report</b>
1	E.coli sampling results	Entity from Goal #6	2014	2019	2024	2029
2	TSS sampling results	Entity from Goal #6	2014	2019	2024	2029
3	Nutrient sampling results	Entity from Goal #6	2014	2019	2024	2029
4	Acres identified, protected, improved, and/or restored.	Entity from Goal #6	2014	2019	2024	2029
5	Public survey results	Entity from Goal #6	2014	2019	2024	2029
6	Watershed entity established	Current Steering Committee and Municipalities	2014	N/A	N/A	N/A
7	Number of new public access sites and connectivity project completed.	Entity from Goal #6	2014	2019	2024	2029

Table 11.1: Goals and Indicators for watershed management plan.