

Watershed Planning

- A comprehensive plan for the watershed
 - Locally-led; community-based approach
 - Inventories currently available
 - Identifies water quality concerns
 - Goals and objectives
 - Outlines resources and partners available
 - Provides guidance on steps needed to address the concerns
- Set of integrated solutions; no silver bullet
- Infield/Edge of Field
- BMP practice list
- Implementation

Lyons Creek Watershed



Watershed Management Plan

March 31, 2010

Watershed Management Plan



- Use a **community based approach** to build partnerships
- **Watershed inventory** – stream and land use assessments; water quality data; computer mapping
- **Develop Goals and Objectives** – assess strategies to meet identified goals
- **Education and Outreach** – create citizens guide to help summarize watershed management plan; other outreach
- **Design a sustainable implementation program** – satisfy multiple goals/objectives while remaining environmentally and economically sustainable.
- **Implement watershed plan** – carry out plan over 5, 10, and 20 years. Continue working with stakeholders
- **Measure program success; make adjustments** – continually measure progress and make appropriate adjustments to ensure that long term goals and objectives are met.

Watershed Management Plan



- Building partnerships
 - Divergent interests
 - Community based planning approach
- Goals & Objectives
 - Develop management objectives and strategies
 - Assess strategies to meet identified goals
- Education/Outreach
 - Outreach component
 - Citizens guide – help summarize watershed management plan
- Sustainable Implementation Program
 - Implementation schedule to meet multiple objectives
 - Economically and environmentally sustainable
- Implement Watershed Plan
 - Carry out plan over long term (5, 10, 20 years)
 - Continued work with stakeholders
 - Identifying funding opportunities; staffing
- Measure Program Success; Make Adjustments

Practice Implementation (*draft list*)



- No-till/strip-till
- Cover crops
- Nutrient Mgmt. (continue; encourage incorp. of phosphorus)
- Continue promoting
 - Terraces
 - Waterways (CRP)
 - Buffer Strips
- Erosion control/gully work
 - Grade Stabilization Structures
 - Sediment Control Basins
 - Retention Ponds (within park area)

Practice Implementation (*draft list*)



- Shoreline stabilization (e.g. – sheet pile; rip/rap)
- Streambank stabilization
 - Through pasture areas (e.g. - cattle access/rotational grazing/alternate water sources)
 - Drainage district efforts/maintenance
 - Flow/drainage modification to control cutting and erosion
 - Two-stage ditch design
- Silt dam (upper end of the lake)
- Golf course improvements (create wider buffer along lake; other).

Thank You



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