

Ferson-Otter Creek Watershed Plan Outline

September 20, 2011

Chapters:

1. Introduction
 - a. Watershed Planning
 - b. History of the Watershed
 - c. Overview
 - d. Plan Guidance
 - e. Ferson-Otter Creek Watershed Stakeholder Concerns and Goals
 - f. The Planning Process
2. Resource Inventory and Assessment
 - a. Fox River
 - i. Background Information
 - ii. Water Quality Conditions
 - b. Physical and Cultural Watershed Characteristics
 - i. Land Use and Land Cover
 1. Land Use
 2. Land Cover Changes
 - a. Historic
 - b. Current
 3. Protected Open Space
 4. Impervious Surface
 5. Cropland management practices
 6. Forest Management Plan
 7. Agriculture
 - a. General Characteristics and Practices
 - b. BMPs Suitable for Agricultural Areas
 - ii. Topography
 - iii. Soils
 1. Hydric Soils
 2. Hydrologic Soil Groups
 3. Highly Erodible Soils/Perm Soils
 - iv. Floodplains and Floodways
 - v. Wastewater
 1. Wastewater Treatment Plants (WWTP)

2. Septic Tanks
3. MS4 Permit Table
- vi. Groundwater Resources
 1. USGS Recharge Areas
 2. Kane County Aquifer Sensitivity Maps
 3. Leaking Underground Storage Tank(LUST) sites
 4. Groundwater monitoring data/setback zone information
- vii. Water bodies
 1. Wetlands and Streams
 2. Lakes
 3. Hydrologic Structures
- viii. Aquatic Biology
- ix. Fish Surveys
- x. Data Availability Status
3. Water Quality Chapter and Modeling Results
 - a. Integrated Water Quality Report
 - b. Assessments and Designated Uses
 - i. Aquatic Life
 - ii. Primary Contact
 - iii. Sources of Fecal Coliform Impairment
 - iv. Water Quality Considerations beyond Fecal Coliform
 - c. Lake Water Quality Data
 - d. Groundwater Quality Data
 - e. Fecal Coliform Critical Areas Analysis
 - i. Modeling Results
4. Nonpoint-Source Project Recommendations
 - a. Process of soliciting projects
 - b. Highlighted projects (categorized by IEPA spreadsheet)
 - i. Costs
 - ii. Load Reductions
 - c. Remaining list of projects (point to appendix)
5. Water Resource Policy Recommendations
 - a. Water Quality and BMP Recommendations
 - i. Buffers
 - ii. Wetlands
 - iii. Retrofits Opportunities
 1. Detention basins
 - a. Wet/dry/naturalized

- b. Maintenance
 - c. Geese problems
 - b. Green Infrastructure
 - i. Tier 1
 - ii. Tier 2
 - c. Groundwater Protection
 - i. Wellhead Protection Programs
 - ii. Sensible Salting
 - 1. Add in survey results
 - iii. Water Softeners
 - iv. Street cleaning
 - 1. Add in survey results
 - d. Water Efficiency/Conservation
 - i. CMAP Model Water Conservation Ordinance
 - ii. WaterSense Partnership
 - e. Agricultural Recommendations
 - f. Existing Policies and Ordinance Review
 - 1. Ordinance Review
 - 2. Existing Policies
- 6. Plan Implementation and Monitoring
 - a. Schedule and Milestones
 - b. Monitoring
 - i. Instream Sampling
 - ii. Effluent Monitoring
 - c. Public Outreach-Information and Education
 - i. Importance of watershed planning
 - ii. Water Quality
 - iii. Water Quantity
- 7. Appendix
 - a. List of “low priority” projects