

I. Urban Practices

Implement Urban Stormwater Program
Encourage sales of phosphorus free fertilizer at local retailers
Monthly Street Sweeping
Pet Waste Receptacles
Pervious Pavement
Extended Wet Detention
Rain gardens residential
Rain gardens commercial
Rain barrels residential
Rain barrels/cisterns commercial
Green roofs
Blue roof
Curb cuts
Reduction of Canada geese
Infiltration trench
Interstate and highway clover leafs to slow drainage
Increase detention ponds

URBAN:

Trier Ditch:

#1 Priority for riparian buffers, urban land-use, CSO, Septic Tank Failures, DRP & sediment

Bullerman Ditch:

Priority #1 for Riparian Buffer

Priority #3 for urban land-use, CSO, Septic tank failure

Sixmile Creek:

Priority#1 for Riparian Buffers, DRP & Sediment

Priority #2 for Urban land-use, CSO, Septic tank failures

II. Replace and repair septic systems

Repair and replace failing septic systems
Find money for homeowners
Reduce septic installation through oversight of new construction

#1 Critical Areas: Septic System failure

Trier Ditch
Sixmile Creek,
Black Creek
Marsh Ditch
Platter Creek
Sulphur Creek
Snooks Run

#2 Critical Areas:

Bullerman Ditch
Marsh Ditch
Gordon Creek

III. Implement riparian buffer installation

Grade stabilization structures
Increase riparian buffers to forested riparian buffers
Increase riparian buffers (ideal 75ft)
Implement programs to adjacent land owners and operators next to priority #1 areas
Streambank stabilization
Native Plantings/Conservation Cover

IV. Implement reduction of phosphorus and sediment to target loads

Cover crops
Gypsum-soil amendments
Blind Inlets
Tile Control Structures
Filter Strip/Saturated Buffers
No Till
Native Plantings, Conservation Cover
Stream bank Stabilization
Grade Stabilization Structures
2-stage ditch
Livestock Exclusion/pasture project/barnyard project
Wetlands (Restoration/Creation)
Grassed waterways
Comprehensive nutrient management plan
Runoff management system
Reduction of nitrate + nitrite levels to meet target nitrogen loading
Reduction of phosphorus to target loads
Reduce dissolved reactive phosphorus to target levels
Reduce turbidity through increase of riparian zones
Reduce E. coli loading to less than 235 CFU/100mL

Sediment Based Critical Areas:

Trier Ditch
Zuber Cutoff
Sixmile Creek
Gordon Creek
Sulphur Creek
Snooks Run
Marsh Ditch
Marie DeLarme Ditch
Platter Creek

V. Provide education and outreach in critical areas

Urban Education & Outreach

Compile urban education and outreach plan
Develop and disseminate an urban education brochure
Hold annual urban BMP in the watershed
Install a demonstration urban BMP in the watershed
The causes of waste water treatment plant exceedance
Public tours of waste water treatment facilities

DRP Critical Areas

Trier Ditch
Sixmile Creek
Black Creek
Platter Creek
Marsh Ditch
North Chaney Ditch
Sixmile Cutoff
Sulphur Creek
Snooks Run

OTHER Education outreach

Develop and publish waste water treatment plant operations
Septic system educational program

UMWMP Implementation Strategies: Action Register

Septic system maintenance brochure
Septic system workshop
Onsite waste disposal installers
Safe recreation on the river, general water quality Interpretive signs along the Maumee River corridor
Develop and pass out recreational opportunities and obstacles or threats along the river
Work with partners to develop a map of recreational opportunities and potential obstacles or threats
Develop and implement agricultural education outreach
Agricultural program specific to livestock operators
Develop and disseminate livestock education brochure
Annual pasture walk
Demonstration of limited access stream crossing in an unserved community
Urban education and outreach brochure
Urban best management practice workshop
Install a demonstration urban best management practice
Compile an agriculture education outreach plan
Agricultural education brochure
Agricultural best management practice workshop
Purchase two billboards to advertise stream buffers
Compile urban education and outreach plan

VI. Higher personnel and acquire necessary funding to implement the UM WMP

Higher personnel secure funding to implement the WMP/office/salaries
Secure funding to promote education outreach programs
Secure funding to begin water quality sampling
Develop a cost share program to cover management measures outlined in the action register

VII. Evaluate (with some numerical models) types of non point source pollution related to instream changes and watershed development

Address non point source problems stemming from instream changes or watershed development with a combination of nonstructural and structural practices
Implement, Evaluate and be able to Replicate