

Milwaukee River Basin Total Maximum Daily Loads (TMDLs)

Stakeholder Workshop 1
November 14, 2011

Steve Heinz
Milwaukee Metropolitan Sewerage District

Presentation Outline

- Background
 - TMDL Development Team
 - Purpose and Objectives
 - Schedule
- 


Background

- A total maximum daily load (TMDL) analysis is required by the U.S. Environmental Protection Agency (USEPA) for all water bodies with beneficial use impairments
- A TMDL is the amount of pollutant a water body can receive and still meet water quality standards

Background

- TMDLs are the responsibility of the Wisconsin Department of Natural Resources (WDNR)
- The Milwaukee Metropolitan Sewerage District (MMSD) will develop these TMDLs as a third party on behalf of DNR

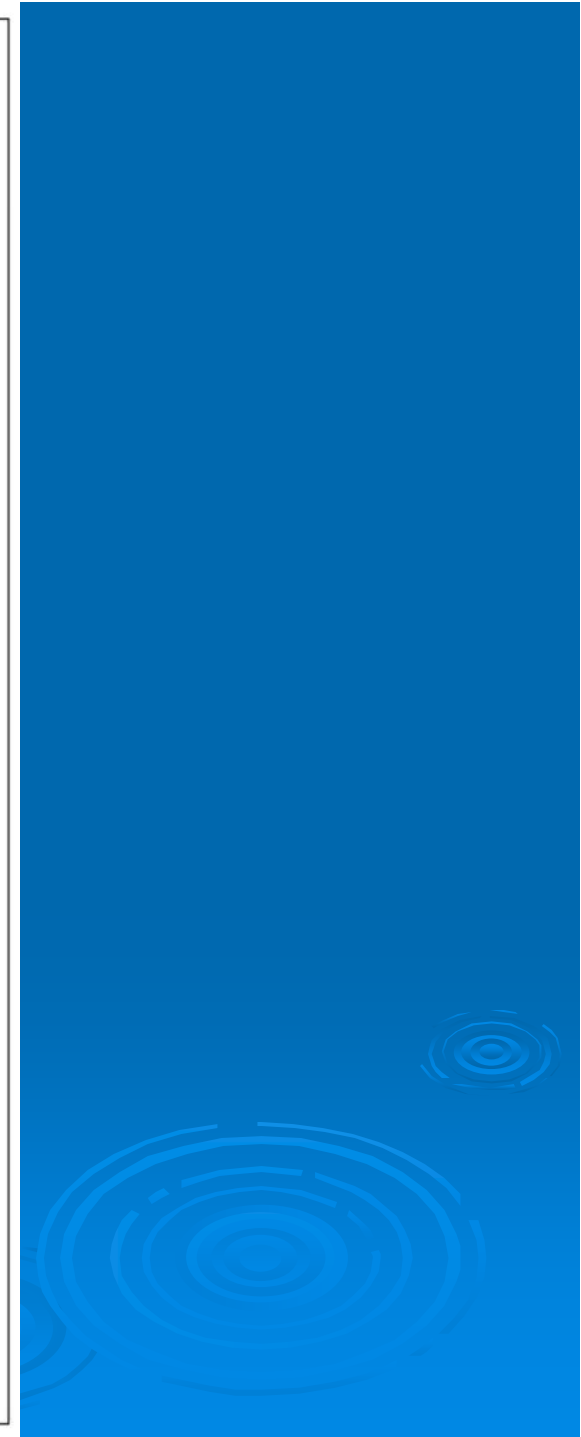
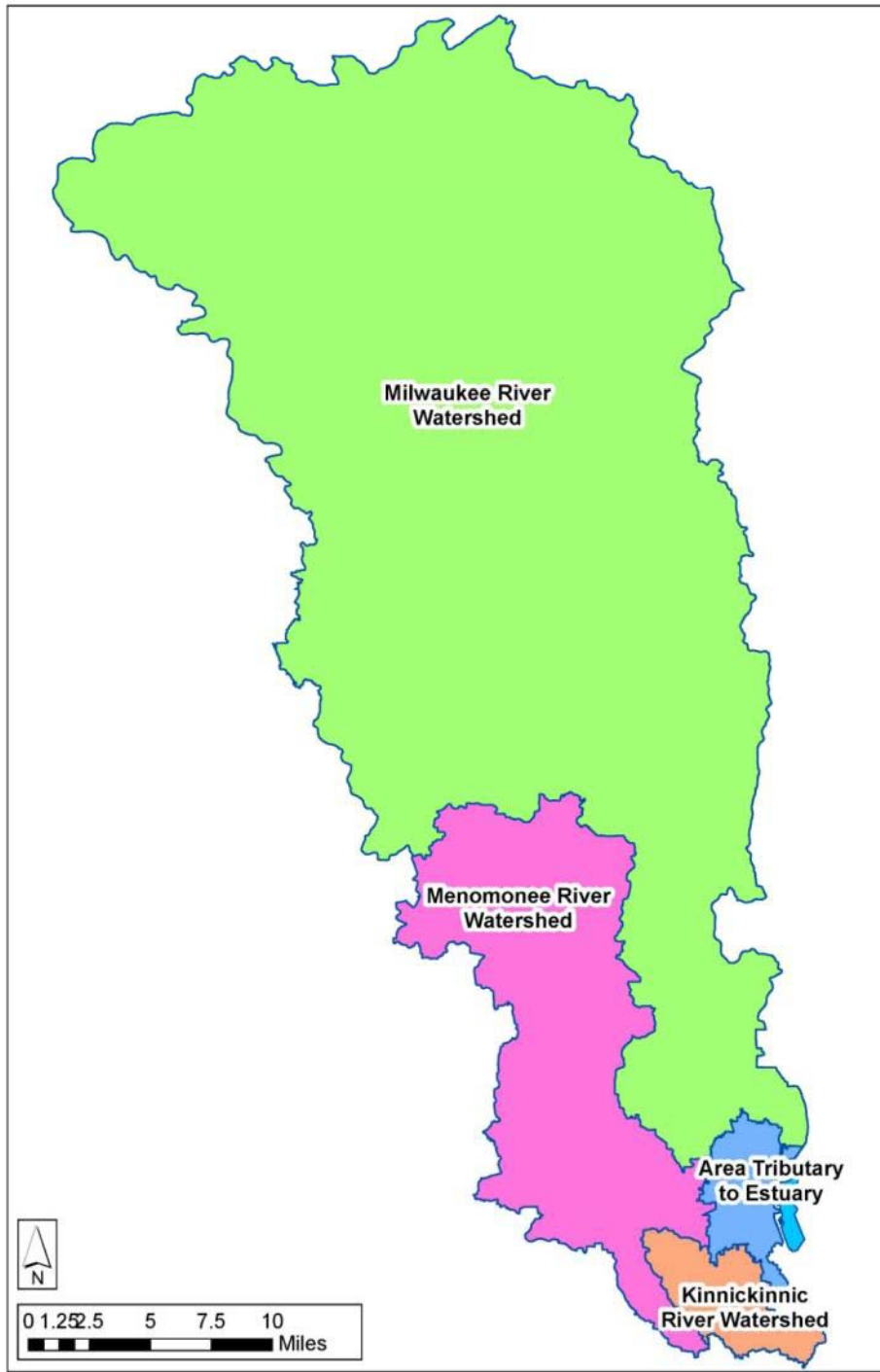
Background

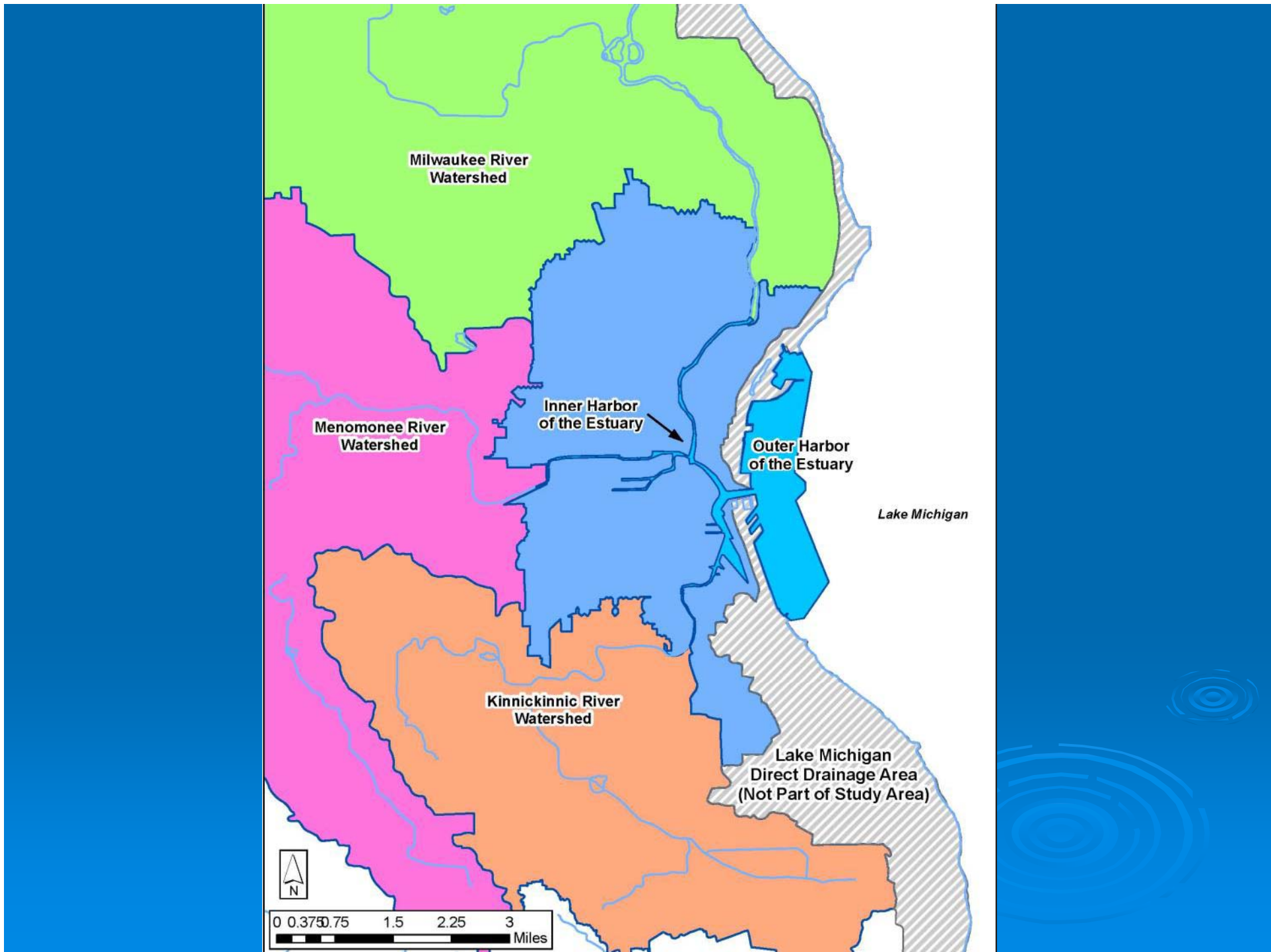
- TMDLs will use models developed for the Water Quality Initiative (WQI)
 - WQI was coordinated water quality planning effort by MMSD and SEWRPC
 - MMSD's 2020 Facilities Plan
 - SEWRPC's Regional Water Quality Management Plan Update
- 

Background

- Four watersheds of interest
 - Menomonee River Watershed
 - Kinnickinnic River Watershed
 - Milwaukee River Watershed
 - Milwaukee Harbor Estuary



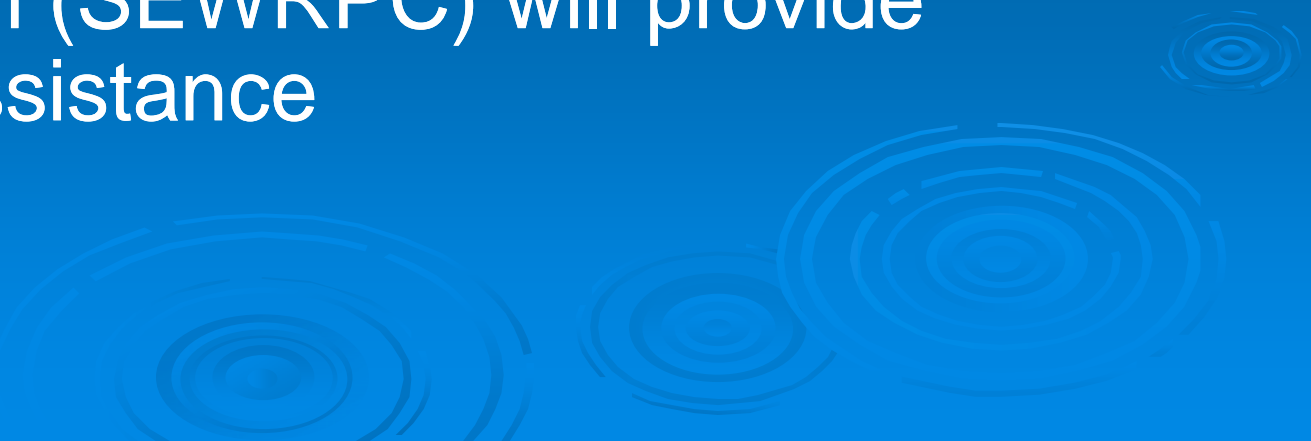




Background

- Three pollutants of concern
 - Phosphorous
 - Sediment (total suspended solids - TSS)
 - Bacteria
 - Fecal coliform for rivers
 - *E. coli* for estuary

TMDL Development Team

- WDNR and USEPA will provide
 - review and comment during the process
 - final approvals of the TMDLs
 - Southeastern Wisconsin Regional Planning Commission (SEWRPC) will provide technical assistance
- 

TMDL Development Team

- Southeastern Wisconsin Watersheds Trust Inc. (SWWT – pronounced Sweet Water) will provide public outreach assistance
- Camp Dresser & McKee (CDM) is the prime consultant

Purpose and Objectives

- To determine the pollutant reductions needed from each pollutant source to meet water quality standards
- To establish wasteload allocations for all sources regulated by a WPDES permit

Purpose and Objectives

- To identify a means to achieve the necessary pollutant reductions, i.e., an Implementation Plan



Schedule

- Draft TMDL Report to DNR September 2012
- Final TMDL Report to DNR December 2012
- Implementation plan September 2013