

Basics of a Basin Management Action Plan

Sources & Estimates of Associated Loading

- Identify potential sources
- Continue data collection & review
- Complete additional studies (e.g. bacterial source tracing)
- Update land use information
- Quantify loading from specific sources

Shared Responsibilities for Load Reductions

- “Allocations”
- Initial allocations in the TMDL (point vs. nonpoint)
- Detailed allocations may be developed

Management Actions

- Structural and non-structural activities
- May include further studies
- Quantify the benefits of specific actions
- Identify implementation priorities

Mechanisms to Show Progress

- Accountability
- Tracking progress
- Monitoring
- Adaptive management to modify the BMAP



Implementation of TMDLs in the Middle St. Johns Basin will be based primarily on the Basin Management Action Plan (BMAP). The plan is intended to document how TMDL load reductions will be achieved, by whom, and in what timeframe – all based on consensus-based agreements among stakeholders. Significant technical analysis (e.g. detailed loading estimates), data-gathering (e.g. source identification), and outreach (elected officials and the general public) efforts will be part of BMAP development. Key components of the plan are as follows:

Description of loading sources and estimate of loading contributions –

- Causes and sources that need to be controlled to achieve the estimated load reductions
- Pollutant loading estimates for each identified cause or source (quantitative, wherever possible)
- Include contributions from future growth

Allocations among the affected parties –

- Pollutant discharge and/or pollutant load reduction allocations among sources (i.e. who is going to limit loading and by how much)
- The scale at which allocations are made is flexible. Allocations can be made to individual waterbody segments, subbasins, individual sources, individual entities/jurisdictions, categories of sources, or a combination thereof. Determination of the level of allocations depends on available data and consensus among stakeholders.

Load reduction and pollution prevention activities and their estimated load reductions

- Description of existing and proposed management actions designed to protect or restore water quality for the TMDL parameters.
- Management actions include structural BMPs, non-structural BMPs, public education and outreach, new local regulations, enhanced enforcement of existing regulations, etc.
- Estimated pollutant load reduction and other benefits anticipated, related to desired outcomes (e.g. restoration of designated uses)
- Identification of any existing local enforcement programs or ordinances applicable to implementing proposed management actions
- A discussion of how future growth will be addressed to achieve or maintain applicable TMDLs
- Schedule and funding resources for implementation of management actions

Implementation schedule, funding, responsibilities, and milestones

- Implementation schedule (for applicable permit renewals, nonpoint source management actions, etc.)
- Identification of public and private partners who will implement the plan and their specific roles and responsibilities
- Linkage with NPDES permits
- Cost and confirmed sources of funding for each management action
- Strategy for securing additional funding
- Identification of and schedule for projected outcomes (e.g., restoration of designated uses) and interim milestones

Monitoring, evaluation, and reporting strategy –

- Resource monitoring, evaluation, and reporting
- Implementation monitoring, evaluation, and reporting
- Identification of interim milestones
- Strategy and schedule for periodically reporting results of plan implementation to the public

Adaptive management measures –

- Criteria for determining whether and when plan components need to be revised due to changes in costs, environmental impacts, social effects, watershed conditions, or other factors
- Measures/management actions to be taken if actions are not being implemented or goals not being attained
- Strategy for revising the BMAP as additional information comes to light, additional TMDLs are adopted, and/or waterbodies are delisted.