

Overall TMDL Strategic Issues for 2008-2010 and Beyond (February 8, 2008)

| | <u>Overall Issues</u> | <u>Solutions</u> | <u>Actions</u> | <u>Possible Agency/Group</u> | <u>Committed Agency/Group</u> | <u>Funding Options</u> | <u>Priority</u> | <u>Progress</u> |
|---|---|---|--|------------------------------|-------------------------------|--------------------------|-----------------|-----------------|
| A | L. Allegan responses to upstream reductions are not clear. Need: 1) monitoring; and, 2) modeling. Morrow Pond, L. Allegan comparisons - are the analogous comparisons used in the TMDL still applicable (particularly given the recent research on Morrow Pond)? | Fund new analyses and continue monitoring throughout the watershed. | 1) Obtain funding sources for data analyses and water quality monitoring 2) Conduct water quality modeling and data analysis | PSs, K&A, KRWC | | New funds, PSs | S | |
| B | Political will to push for a bold watershed strategy, that may be ahead of DEQ and/or current approaches - can it found here? Need bold strategy to succeed with TMDL goals: Lobbying and Watershed leadership/representation from all major players, not just a Watershed Council lone voice. | TMDL Implementation Committee makes decision on bold strategy to succeed with both short- and long-term TMDL goals. | 1) Discussion and framing strategic plan | TMDL | | Individual contributions | S | |
| C | Governance, Authority, Guidance at the watershed scale is lacking - is this achievable? Who is leading the TMDL? The point sources? NPS grantees? Who are the NPS leaders? Who has dual roles with both PS and NPS responsibilities (e.g., City Environmental staffers)? Are the participating TMDL stakeholders serious about the TMDL and its goals, or not? If we are, do we lead this or do we just expect someone else to lead (e.g., whoever's got a funded project). | Watershed stakeholders agree upon leadership and strategy to succeed in TMDL goals. | 1) Conduct a strategic analysis of the issues, needs, and proposed solutions related to the TMDL 2) Identify strong watershed partners that can provide solutions, meet needs, and/or take on leadership role | TMDL, KRWC | TMDL | 319 Grant, In-kind | L | |
| D | Access to most comprehensive river data is limited (MSU, Superfund) - How much more could we learn if available real time? | TMDL Implementation Committee pushes agencies/entities for data and funding for projects related to analyses. | 1) Work to obtain data relevant to Kzoo River and TMDL 2) Secure funding/projects for analyses consistent with critical TMDL questions | TMDL, PSs, KRWC | | 319 Grant, PSs | S | |
| E | Monitoring processes and programs - voluntary scheme by PS and a few select subwatersheds are the only remaining efforts. | TMDL Implementation Committee and PSs identify partners able to conduct monitoring and determine what type, level, and plan to use. | 1) Determine how and who can monitor 2) Determine the most effective level of monitoring | TMDL, DEQ, PSs | | PSs, DEQ | S | |
| F | Why bother to proceed towards TMDL goals if no stick or carrot? (PS permits through 2011 are at 1996 levels; no penalties or offset strategy for PS WLA exceedances; a few MS4 permittees are somewhat tied to TMDL, though not specifically to P, and why would anyone else that does not have an MS4 participate?) | DEQ identify regulatory thresholds. | 1) Define individual WLAs 2) Define LAs for NPSs 3) Clarify water quality trading baselines | TMDL, DEQ | | None needed | S | |
| G | What funding sources available to lead the TMDL effort? How can these be used most effectively? | Address funding in a strategic plan. | 1) Assess what level of leadership is needed at the watershed scale | KRWC, TMDL, others | | KRWC | L | |
| H | Could a Use Attainability Analysis be performed (UAA) (Are there data from pre-1974?) | Identify data requirements to determine if applicable and perform UAA if TMDL stakeholders determine it will be beneficial. | 1) Preliminarily identify data requirements to determine if applicable 2) Conduct preliminary analysis 3) Perform full UAA if directed by TMDL stakeholders | TMDL | | Unknown | L | |
| I | What are the ecological benefits towards TMDL goals with: large-scale wetlands creations, Lake Allegan rough fish removal? Need models to understand outcomes. | Identify and fund water quality modeling studies and other watershed-wide ecological studies. | 1) Determine ecological benefits towards TMDL goals 2) Propose project for water quality modeling study and evaluation of ecological benefits | TMDL, KRWC | | Unknown | S | |

S = Short-term (<3 years) planning and/or implementation
L = Long-term (>3 years) planning and implementation
1, 2, 3 refer to the highest to lowest potential for phosphorus reductions with implementation
Underlined Text = Committed funding