

Country Pond Watershed Planning Update

June 1, 2019

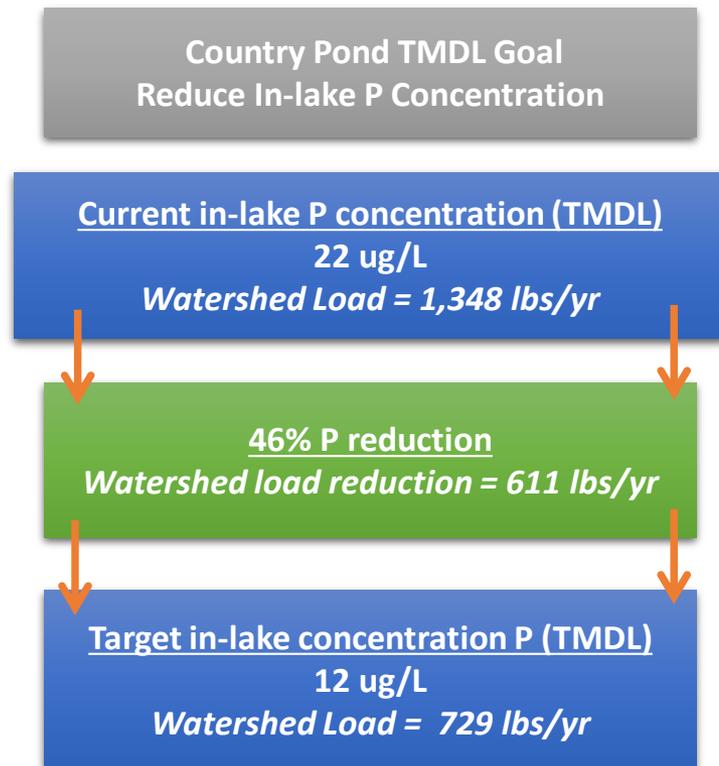


Country Pond

Photo: AECOM/ENSR



How much P do we need to reduce to have fewer cyanobacteria blooms?



Nine Element Plans

Plus, crosswalk with stormwater permit requirements

Attachment A: EPA Watershed Plan Elements "a" through "i"

- a) Identify pollution causes and sources: An identification of the causes and sources or groups of similar sources that will need to be controlled to achieve the load reductions estimated in this watershed-based plan (and to achieve any other watershed goals identified in the watershed-based plan), as discussed in item (b) immediately below. Sources that need to be controlled should be identified at the significant subcategory level with estimates of the extent to which they are present in the watershed (e.g., X number of storm drains that need retrofits; Y miles of gravel roads that need drainage BMPs; or Z linear miles of eroded streambank needing remediation).
- b) Estimate pollution reductions needed: An estimate of the load reductions expected for the management measures described under (c). Estimates should be provided at the same level as in item (a) above (e.g., the total load reduction expected for storm drain retrofits, gravel road BMPs or eroded streambanks). First quantify the pollutant loads for the watershed. Based on these pollutant loads, determine the reductions needed to meet water quality standards (or other goals).
- c) Actions needed to reduce pollution: A description of the NPS management measures that will need to be implemented to achieve the load reduction or habitat restoration scope estimated under paragraph (b) above (as well as to achieve other watershed goals identified in this watershed-based plan), and an identification (using a map or a description) of the critical areas in which those measures will be needed to implement this plan.
- d) Costs and authority: An estimate of the amounts of technical and financial assistance needed, associated costs, and/or the sources and authorities that will be relied upon, to implement this plan. Describe the types and sources of match that will be used to implement the project, keeping in mind that at least 40% of the project cost must be provided in non-federal match.
- e) Outreach and education: An information/education component that will be used to enhance public understanding of the project and encourage their early and continued participation in selecting, designing, and implementing NPS management measures.
- f) Schedule: A schedule for implementing the NPS management measures identified in this plan that is reasonably expeditious.
- g) Milestones: A description of interim, measurable milestones for determining whether NPS management measures or other control actions are being implemented.
- h) Success indicators and evaluation: A set of criteria that can be used to determine whether loading reductions or habitat restoration is being achieved over time and substantial progress is being made towards attaining water quality standards and, if not, the criteria for determining whether this watershed-based plan needs to be revised.
- i) Monitoring plan: A monitoring component to evaluate the effectiveness of the implementation efforts over time, measured against the criteria established under item (h) immediately above.



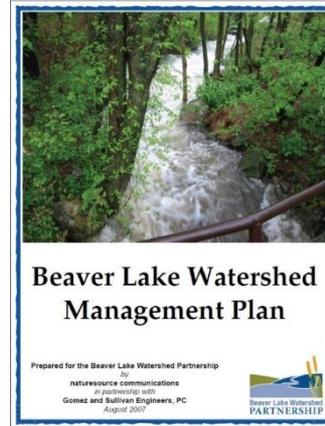
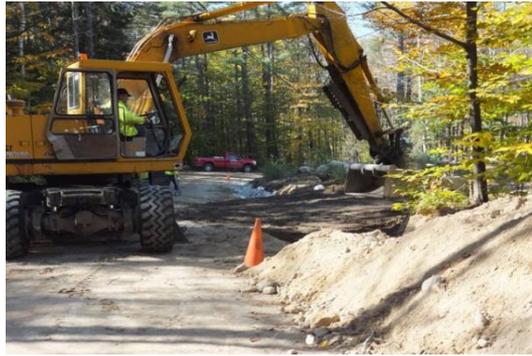
Core watershed planning tasks

| Task # | Task | Description |
|--|---------------------------------------|--|
| 1.0 | Information review | TMDL, VLAP data, trophic reports, etc. |
| 2.0 Develop watershed plan elements | | |
| 2.1 | Identify actions to reduce pollution | Watershed surveys |
| 2.2 | Estimate pollutant load reductions | BMP performance curve models |
| 2.3 | Prioritize actions | Cost, load reduction, level of difficulty |
| 2.4 | Develop success indicators | Environmental and social |
| 2.5 | Develop water quality monitoring plan | To measure success toward meeting water quality goal |
| 3.0 | MS4 stormwater permit crosswalk | Review permit, meet with towns |
| 4.0 | Assemble final plan | Publish plan, conduct outreach |

Watershed Planning

It's a journey!

QUESTIONS?



EVERY PERSON CAN MAKE A DIFFERENCE AND EACH PERSON SHOULD TRY.



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