

**Wisconsin Department of Natural Resources
Natural Resources Board Agenda Item**

SUBJECT: Dead Pike Lake Management Plan developed in cooperation with the Dead Pike Lake Association and the Town of Manitowish Waters.

FOR: April 2018 Board meeting

TO BE PRESENTED BY: Dan Helsel, Field Integration Leader and Steve Apfelbaum, Chairman, Applied Ecological Services

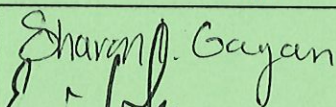
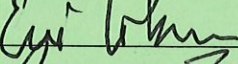
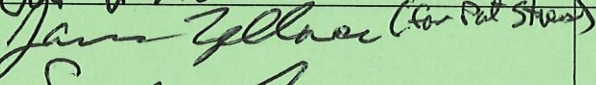
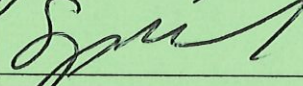
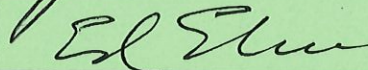
SUMMARY:

Since January 2017, the DNR has been working in partnership with Dead Pike Lake Association, the Town of Manitowish Waters and the consulting firm, Applied Ecological Services to develop a comprehensive lake management plan as directed by the Natural Resources Board in December 2016. The Dead Pike Lake Management Plan focuses on the reduction of iron and phosphorus to meet State Water Quality criteria, reduce aesthetic impairments and biological impacts. The lake management plan evaluates a number of management actions in the lake and on the Powell Marsh State Wildlife Area to reduce iron and phosphorus loading to the lake. The plan sets forth recommended management actions including 1) Maintaining a minimum lake elevation to reduce groundwater loading of iron and phosphorus; 2) Construction of an inlet wetland treatment system to reduce phosphorus and iron loading from Powell Marsh State Wildlife Area; and, if needed, 3) Construction of a clean-water diversion from marsh surface water impoundments with lower iron and phosphorus concentrations; and 4) Use of passive lime- release in water habitat and a lime application to the lake.

RECOMMENDATION: Information only

LIST OF ATTACHED MATERIALS (check all that are applicable):

- Background memo
- Type name of attachment if applicable
- Type name of attachment if applicable
- Type name of attachment if applicable

Approved by	Signature	Date
Sharon Gayan, Program Director, Bureau of Water Quality		3/14/18
Eric Lobner, Program Director, Bureau of Wildlife		3/12/18
Patrick Stevens, Division Administrator, Environmental Management	 (for Pat Stevens)	3/19/18
Sanjay Olson, Division Administrator, Fish, Wildlife and Parks		3/19/18
Daniel L. Meyer, Secretary		3/22/18