



# Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271  
www.dnr.illinois.gov

Bruce Rauner, Governor  
Wayne A. Rosenthal, Acting Director

January 28, 2015

Valerie Jakobi  
Bollinger Environmental, Inc.  
4901 Forest Avenue, Suite C.

Downers Grove, IL 60515

**RE: Lake Leopold Shoreline Restoration**  
**Project Number(s): 1506477 [027-041-14]**  
**County: Lake**

Dear Ms. Jakobi:

The Illinois Department of Natural Resources has reviewed the above-mentioned project involving shoreline stabilization and installation of cobble stone 1 foot above and below the waterline. A fishing p pier will also be installed. The lake will be drawn down approximately 15” using a floating style pump to expose the shoreline work area. The pump will discharge into the existing concrete discharge structure.

Records of the state-threatened banded killifish (*Fundulus diaphanous*), blackchin shiner (*notropis heterodon*), and Iowa darter (*Etheostoma exile*), as well as the state-endangered blacknose shiner (*Notropis heterolepis*) and pugnose shiner (*Notropis anogenus*), exist within Lake Leopold. It is the Departments understanding that these fish were stocked as part of a refuge project to aid in future conservation and recovery of these state-listed species.

The Department agrees with the proposed mitigation measures in the engineer plans to prevent negative impacts to state-listed fishes. They include maintaining the pump intake in open water away from the littoral habitat zones and fitting a screen to the intake with no more then 1/8” clear space. To prevent impingement of fishes on the screen, velocity should not exceed approximately 1.5 ft/sec at the screen interface. Lastly, measures should be taken to insure prey refuge from predators during the drawdown. If structure for smaller fishes is lacking, such as brush, snags, and vegetation, more should be added.

Given these recommendations are adopted, the Department has no objections to the issuance of a U.S. Army Corps of Engineers permit.

Please note that this review does not preclude permit decisions made by the IDNR Office of Water Resources under the Illinois Rivers, Lakes, and Streams Act.

Please contact me if you have any questions regarding this review.

A handwritten signature in black ink, appearing to read "Nathan Grider". The signature is written in a cursive, slightly slanted style.

Nathan Grider  
Impact Assessment Section  
217-785-5500

cc: Melyssa Navis – USACE, Chicago District  
Brian Valleskey – Manhard Consulting, Ltd