

Memorandum

To: Brian Christianson
From: Rob Montgomery
Date: Jan 20, 2015
cc: Steve Hjort, Rick Gerke
Re: Description of stone berm repair at Experimental project completed in February 2014

This documentation has been provided to supplement the 2014 monitoring report for the experimental project on Lake Koshkonong.

As you know, the Experimental Project was constructed in the winter of 2012 – 2013. The dredge spoil for the wetland restoration area was contained by a stone berm that was placed in late 2012. After the project completed, it was underwater for much of the spring of 2013. When the water levels receded, it was apparent that two low spots had developed in the berm were tied into the existing shoreline at the North and South ends. These low spots had apparently developed due to settlement and/or erosion. The photographs below, taken in August 2013, show the south and north ends of the stone berm.



South end (left) and north end (right) of stone berm at original existing shoreline in August 2013

Tallgrass Restoration was retained and directed by us to repair these locations. Stone was placed in February 2014 (see photo below). The stone was transported to the site across the frozen lake bed/ice of the shoreline and placed above the degraded portion of the stone berm using light construction equipment.



February 2014: newly-placed stone at the north end of the stone berm

The repair to the North and South ends of the stone berm was successful in restoring the cross-section and providing sufficient armor, as shown in the photographs below.



October 2014: repair to the south end (left) and north end (right) of the stone berm

Repairs are now complete.

Note that there was no placement of dredge material or any other material in the project subsequent to completion in February 2013 except for the stone repair described above.