

MEMORANDUM

To: Board of Managers
From: Kelly Dooley
CC: Craig Dawson
Date: 1/18/2017
RE: WISKI SYSTEM IMPLEMENTATION - UPDATE

Background:

On January 28th, 2016, the Board of Managers approved the purchase of WISKI Data Management System. The WISKI Data Management System will improve the District's storage, organization, quality control and analysis of the water quality, precipitation, water level and biological data.

At the last update (March 16, 2016), staff described that implementation was going smoothly. All data had been successfully copied and exported out of the old system, the WISKI software had been installed on the District's server, and staff were awaiting for a training session in April.

Update:

- April 25-April 27, 2016 – Research and Monitoring participated in on-site training, becoming familiarized with the WISKI system
- April 28-May 31, 2016 – Staff continued to work on data clean-up and preparing the data for import into the WISKI system
- May-August, 2016 – Staff imported 2016 water quality data into the WISKI system. Note: Water Quality Manager (Lead WISKI manager) was on maternity leave during this time period, so historic data upload was put on hold
- MCWD communicates with WISKI users in the Twin Cities Metro
 - Capitol Region Watershed District
 - National Fish and Wildlife Service
 - Mississippi Watershed Management Organization

- August-December, 2016 – Staff also completed the following:
 - WISKI to conduct quality assurance/quality control checks on 2016 data
 - Focused intensive clean-up on the District's lake data:
 - Clean-up Plan: clean-up more recent data first, clean-up the older data last
 - Fill-in missing metadata
 - Fill-in missing and/or incomplete data records
 - Correct typos or data errors
 - District's lake data ranges from 1971-2016 (46 years)
 - 27 bays on lake Minnetonka
 - 11 upper watershed lakes
 - 44 lakes accessible by canoe (i.e., canoe lakes)
 - Entering the 3rd and final phase of data clean-up for the following:
 - 10 years of Lake Minnetonka water quality data (2006-2015)
 - 7 years of upper watershed lakes water quality data (2006-2012)
 - Uploaded the following data into WISKI:
 - 1 year of stream water level data (2016)
 - 1 year of stream water quality data (2016)
 - 1 year of Lake Minnetonka water quality data (2016)
 - 4 years of upper watershed lakes water quality data (2013-2016)
 - 11 years of canoe lakes water quality data (2006-2016)
- By end of January 2017:
 - The following will be uploaded into WISKI:
 - 10 additional years of Lake Minnetonka data (2006-2015)
 - 7 additional years of upper watershed lakes data (2006-2012)
 - Beginning to use WISKI to analyze lake and stream data
 - Beginning to upload biological data into WISKI
 - Plant surveys
 - Fish surveys
 - Lake Minnetonka Zebra mussel data
 - Beginning the intensive clean-up of the District's stream data
- Staff will provide the Board of Managers with presentation in the Spring 2017:
 - Update on the data in WISKI
 - Highlight analysis capabilities via WISKI
 - Summary of the 2016 water quality data analysis

If there are questions in advance of the meeting, please contact: Kelly Dooley at 952-641-4515 or kdooley@minnehahacreek.org.