

1:45 Wirth Lake Outlet Structure – Stop #2

The Implementation Plan for the *Wirth Lake Total Maximum Daily Load Study* (MPCA, 2010) included a project to modify the outlet structure at Wirth Lake to prevent flow from Bassett Creek to Wirth Lake during periods of high water.

The outlet modification was estimated to reduce phosphorus loading to the lake by an average of 55 pounds per year (*Wirth Lake Excess Nutrients Total Maximum Daily Load Report*, MPCA, 2010). The existing stone-faced concrete culvert that once served as a roadway crossing in addition to the Wirth Lake outlet was constructed several decades ago. Although the roadway was removed, the culvert was left in place. A timber weir was built onto this concrete culvert in the 1970's to help maintain lake elevations and to help prevent rough fish from entering the lake. On behalf of the BCWMC, the City of Golden Valley replaced the outlet structure during the fall of 2012. The project included replacing the timber weir with a new concrete weir structure that incorporates two check valves to prevent the flow of Bassett Creek into Wirth Lake. The valves were placed inside the existing culvert to be out of sight of park users. The project was constructed by G.F. Jedlicki Inc. for approximately \$90,000.



During construction, fall 2012



Wirth Lake Outlet Structure, June 2013