

Q 174:

The TMDL study area for Kohlman Lake encompasses the central area of North St. Paul. The wasteload allocation is 306 lb/yr for North St. Paul or a reduction of 104 pounds. The TMDL study area shapefile was used from the sharebase site. Using previously gathered information from Ramsey Washington County and the City, the total pounds reduced was 196.1 pounds.

The TMDL study area for Lake St. Croix TMDL encompasses the northeast corner of North St. Paul. Using the MPCA Simple Estimator tool, we entered land uses from TMDL study area shapefile from the sharebase site to determine initial TP loading rate of 0.29 lb/ac/yr before adding any BMPs. The loading rate after adding bmps was 0.15 lb/ac/yr, therefore meeting the WLA with current land use and BMPs.

The TMDL study area for Wakefield TP TMDL encompasses the southwest corner of North St. Paul. The wasteload allocation was found using the TMDL study area shapefile from sharebase site and determining the proportion of North Saint Paul TMDL that was within the watershed. This number was found to be 4.1% and a WLA of 3.8 lb/yr. Using the MPCA Simple Estimator tool, we entered land uses from the entire jurisdictional area to determine initial TP loading rate of 18.2 lb/yr before adding any BMPs. The loading rate after adding bmps was 3.7 lb/yr, therefore meeting the WLA with current land use and BMPs.