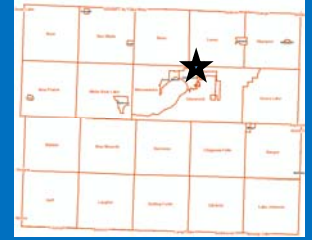




CITY OF GLENWOOD STORMWATER QUALITY ASSESSMENT AND BMP PRIORITIZATION



PRACTICE:

STORMWATER QUALITY
ANALYSIS AND ASSESSMENT &
BMP PRIORITIZATION PROJECT

YEAR COMPLETED:

IN PROGRESS TARGET
COMPLETION 2016

BENEFITS:

WATER QUALITY IMPROVEMENT
SEDIMENT REMOVAL
NUTRIENT REMOVAL
PEAK STORMWATER
TREATMENT

PARTNERS:

CITY OF GLENWOOD
POPE SWCD
MINNEWASKA LAKE
ASSOCIATION

PROJECT COST:

\$152,000 BWSR CLEAN WATER
FUND GRANT
25% PROJECT MATCH REQUIRED

WATERSHED:

CHIPPEWA RIVER

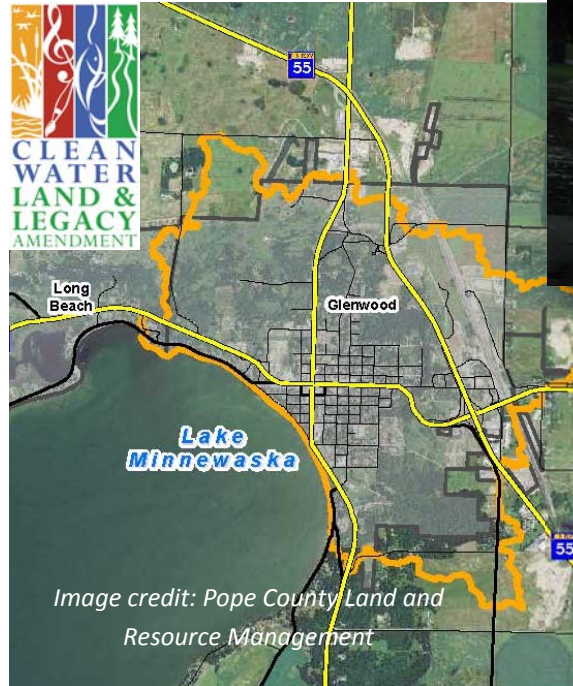


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PROJECT DESCRIPTION:

The Pope Soil and Water Conservation District hired Houston Engineering in 2015 to provide professional services to complete an assessment and analysis of approximately 1,796 acres including the storm water conveyance system affecting water quality and contributing runoff to Lake Minnewaska. The project would result in quantifying water quality of runoff reaching the lake, the rate, and the volume. The storm sewer system would be assessed using P8 a water quality computer model to identify, prioritize the sources of TSS, TN, and TP reaching Lake Minnewaska.

The project is intended to provide an effective means for the District to complete this assessment and analysis of this sub watershed area contributing runoff to Lake Minnewaska and create a suite of BMP solutions that will be prioritized to target the highest sources of TSS, TN, and TP reductions and include a cost benefit analysis per source (TSS, TN, and TP). The information included in this project will be the GIS shapefiles that will include annual yields of TSS, TN, and TP by project.