

McGilvray Lake

Surface Area: 37 acres

Maximum Depth: 33 feet (10.1 meters)

Drainage Size: 237 acres

Shoreline Length: 10,670 feet (2.02 miles)

Elevation: 2,982 feet (909 meters)



Location: 48.14256 N, 114.0831 W

GENERAL INFORMATION

The lake is located in Flathead County. Surrounding land ownership is primarily State Trust Land and private. There is no public access to McGilvray Lake. The catchment is entirely glacial till (Ellis & Craft, 2008).

FISHERIES INFORMATION

Fish distribution records indicate a presence of largemouth bass, rainbow trout, and yellow perch. For more information see: <https://fwp.mt.gov/fish/stocking.html>

ADDITIONAL INFORMATION

- Current NMLN citizen volunteers include:
Nathan and Amy Lucke



Kids Fishing from the Stevlingson's dock. Photo courtesy Don and Joy Stevlingson.

LAKE METRICS SUMMARY AND SCORES

Metric	Score	Description
Cold-water fish habitat	Medium	Temperature and oxygen profiles show that McGilvray Lake was evenly mixed during all of the August summer sampling dates. Temperature profiles indicate that the lake has been within the avoidance threshold range for salmonids at depths of up to 9 meters during July and August. Summer dissolved oxygen levels were outside the avoidance thresholds for salmonids.
Nutrient Levels	Low	McGilvray Lake often ranks low for small lakes for total phosphorus, total nitrogen, and chlorophyll (<i>a</i>).
Nutrient Trend	Consistent	No trend is apparent
Trophic Status	Oligo-trophic	Carlson's Trophic Index trend shows McGilvray Lake is consistently oligotrophic.
Dreissenid Colonization Potential (Calcium)	High	McGilvray Lake's 2010, 2011, and 2016 average calcium concentration was 36.3 mg/L classifying it as a high risk for zebra mussel colonization. The 2012 alkalinity level was reported at 170 mg/L.
Known AIS infestations	None	

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Carlson's Trophic State Index (TSI)

