

Beaver Lake

Surface Area: 144 acres
Maximum Depth: 96 feet (29.3 meters)
Drainage Size: 2,043 acres
Shoreline Length: 15,861 feet (3 miles)
Elevation: 3,258 feet (993 meters)

GENERAL INFORMATION

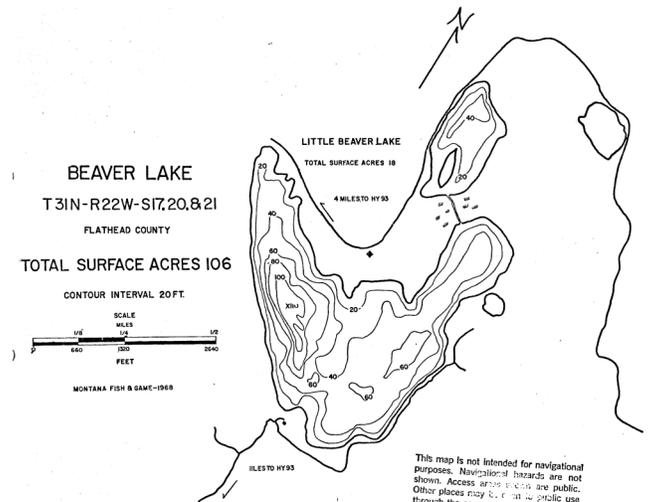
Beaver Lake is located in Flathead County northwest of Whitefish on the northern edge of Lion Mountain. The lake has one motorized public access site on the south side of the lake. Beaver Lake's catchment area is composed of the Piegan group belt series (46%) and alluvium (38%) (Ellis & Craft, 2008).

FISHERIES INFORMATION

Fish distribution records indicate a presence of brook trout, flathead minnow, rainbow trout and kokanee. Beaver Lake is stocked annually with rainbow trout and kokanee. For more information see: <https://fwp.mt.gov/fish/stocking.html>

ADDITIONAL INFORMATION

- **Special Investigations:** Beaver Lake is sampled twice annually for Dreissenid mussels and Eurasian watermilfoil eDNA as part of a contract with the City of Whitefish and WLI.
- **Current NMLN citizen volunteers include:** Paul McKenzie and Dennis and Ginger Theisson



Location: 48.433507 N, 114.417221 W

LAKE METRICS SUMMARY AND SCORES

Metric	Score	Description
Cold-water fish habitat	Medium	Temperature and oxygen profiles show that Beaver Lake has been within the avoidance threshold range for salmonids at depths of up to 7 meters during July and August and between avoidance and anoxic thresholds for salmonids at depths greater than 10 meters. Anoxia has been observed at depths greater than 15 meters. Depth profiles suggest that the ideal depth for salmonid habitation during summer months is between 6-12 meters.
Nutrient Levels	High	Beaver Lake often ranks high among medium lakes (surface area 100-500 acres) for total phosphorus, total nitrogen, and chlorophyll (<i>a</i>)
Nutrient Trend	Increasing	Phosphorus is increasing
Trophic Status	Oligo-meso-trophic	Carlson's Trophic Index trends show Beaver transitioning from oligo-mesotrophic towards consistently mesotrophic
Dreissenid Colonization Potential (Calcium)	High	Beaver Lake's average calcium concentration was 39.9 mg/L classifying it as a high risk for zebra mussel colonization.
Known AIS infestations	One	Eurasian watermilfoil

