

## Jette Lake

**Surface Area: 31 acres**

**Maximum Depth: 30 feet (9.1 meters)**

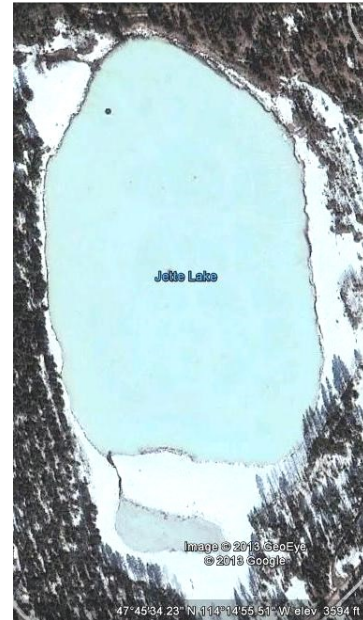
**Drainage Size: 1,198 acres**

**Shoreline Length: 4,818 feet (0.91 miles)**

**Elevation: 3,750 feet (1,143 meters)**

### GENERAL INFORMATION

Jette Lake is located in Lake County. It is surrounded entirely by private land ownership. The drainage area lies entirely in the Ravalli group belt series. The drainage area lies entirely in the Ravalli group belt series (Ellis & Craft, 2008).



Location: 47.75985 N, 114.249269 W

### FISHERIES INFORMATION

Fish distribution records indicate a presence of cutthroat trout. Anoxic winter conditions resulted in a major fish kill during 2011/2012. Pumpkinseed were introduced in 2014, and in 2016 hundreds of pumpkinseed were observed on their nests. For more information see: <https://fwp.mt.gov/fish/stocking.html>

### ADDITIONAL INFORMATION

- Current NMLN citizen volunteers include: Brice Normandeau and Pat Nowlan



*Summer intern Graham Friedman and volunteer Pat Nowlan sample at Jette Lake.*

## LAKE METRICS SUMMARY AND SCORES

Metric	Score	Description
Cold-water fish habitat	Low	Temperature profiles show that Jette Lake has been within the avoidance threshold range for salmonids especially in 2012, and oxygen profiles show that the lake has been between avoidance and anoxic concentrations at depths greater than 4 meters. Depth profiles suggest that the ideal depth for salmonid habitation during summer months is between 3-6 meters.
Nutrient Levels	High	Jette Lake often ranks high for small lakes for total phosphorus, total nitrogen, and chlorophyll ( <i>a</i> ).
Nutrient Trend	Consistent	No trend is apparent
Trophic Status	Meso-trophic	Carlson's Trophic Index trend shows Jette Lake is consistently mesotrophic.
Dreissenid Colonization Potential (Calcium)	Medium	Jette Lake's 2010, 2011, and 2016 average calcium concentration was 22.9mg/L classifying it as a moderate risk for zebra mussel colonization. The 2012 alkalinity level was reported at 110mg/L.
Known AIS infestations	None	

