

# Halfmoon Lake

**Surface Area: 55 acres**

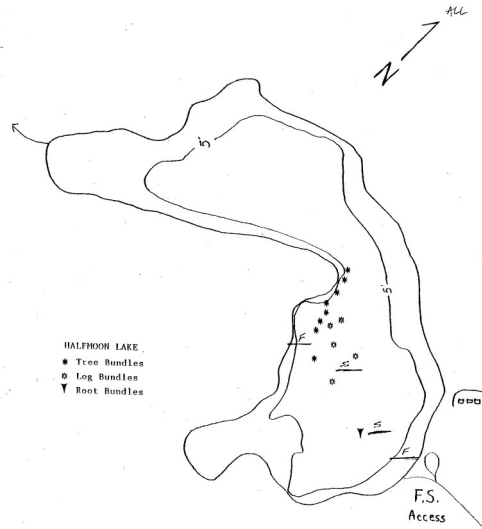
**Maximum Depth: 20 feet (6.1 meters)**

**Shoreline Length: 9,761 feet (1.85 miles)**

**Elevation: 3,282 feet (1,000 meters)**

## GENERAL INFORMATION

Halfmoon Lake is located in Flathead County northeast of Lake Five. The drainage basin for Halfmoon Lake is dominated by glacial till (78%) with the remainder composed of the Grinnell argillite belt series. It is surrounded entirely by private land ownership. Halfmoon has one primitive non-motorized public access on the east end of the lake.



Location: 48.471735 N, 114.00292 W

## FISHERIES INFORMATION

Fish species present include brook trout, largemouth bass, longnose sucker, pumpkinseed, and yellow perch. Halfmoon Lake is stocked annually for brook trout. For more information see: <https://fwp.mt.gov/fish/stocking.html>

## ADDITIONAL INFORMATION

- Current NMLN citizen volunteers include: Terry Divoky



*Volunteer Terry Divoky samples Halfmoon Lake.*

LAKE METRICS SUMMARY AND SCORES

| Metric                                      | Score              | Description  |
|---|--------------------|--|
| Cold-water fish habitat                     | Low                | Temperature and oxygen profiles show that Halfmoon Lake was both weakly stratified and evenly mixed during summer sampling dates. Temperature profiles indicate Halfmoon Lake has been within the avoidance threshold range and leaning towards incipient lethal range for salmonids at depths of up to 6 meters during July and August. |
| Nutrient Levels                             | Low-medium         | Halfmoon Lake often ranks low to medium for small lakes for total phosphorus, total nitrogen, and chlorophyll (a).   |
| Nutrient Trend                              | consistent         | No trend is apparent   |
| Trophic Status                              | Oligo-meso-trophic | Carlson's Trophic Index trend shows Halfmoon is consistently oligo-mesotrophic.  |
| Dreissenid Colonization Potential (Calcium) | High               | Halfmoon Lake's 2010, 2011, and 2016 average calcium concentration was 30.06mg/L classifying it as a high risk for zebra mussel colonization. The 2012 alkalinity level was reported at 120mg/L.   |
| Known AIS infestations                      | None               |  |

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