

# Hanson-Doyle Lake

**Surface Area:** 8 acres

**Maximum Depth:** 33 feet (10.1 meters)

**Shoreline Length:** 2,978 feet (0.56 miles)

**Elevation:** 3,199 feet (975 meters)

## GENERAL INFORMATION

Hanson-Doyle Lake is located in Flathead County in the Tally Lake Ranger District. It is surrounded entirely by private land ownership. There is no public access to Hanson-Doyle Lake. The drainage area is dominated by the Ravalli group belt series (82%) with the remainder being glacial till on the valley floor (Ellis & Craft, 2008).



Location: 48.35872 N, 114.467 W

## FISHERIES INFORMATION

Hanson-Doyle is considered a warm water fishery and is connected to two other small lakes. For more information see: <https://fwp.mt.gov/fish/stocking.html>

## ADDITIONAL INFORMATION

- Current NMLN citizen volunteers include: Bobbie Williams and Cullen and Angela Wallace



*Volunteers Cullen and Talus use a Secchi disk at Hanson-Doyle Lake.*

LAKE METRICS SUMMARY AND SCORES

Metric	Score	Description
Cold-water fish habitat	Low	Temperature and oxygen profiles show that Hanson-Doyle Lake has been stratified during summer sampling dates. Temperature profiles show that the lake has been within the avoidance threshold range for salmonids at depths of up to 5 meters during July and August. Oxygen profiles indicate that it has been between avoidance and anoxic concentrations when stratified at depths greater than 6 meters. Depth profiles suggest that the ideal depth for salmonid habitation during summer months is between 4-6 meters. Fall Hydrolab profiles show that the lake was evenly mixed during all sampling dates.
Nutrient Levels	Medium	Hanson-Doyle Lake often ranks medium for small lakes for total phosphorus, total nitrogen, and chlorophyll ( <i>a</i> ).
Nutrient Trend	consistent	No trend is apparent
Trophic Status	Meso-oligotrophic	Carlson's Trophic Index trend shows Hanson-Doyle consistently meso-oligotrophic.
Dreissenid Colonization Potential (Calcium)	High	Hanson-Doyle's 2011/2106 average calcium concentration was reported at 46.9mg/L classifying it as a high risk for zebra mussel colonization. The 2012 alkalinity level was reported at 110mg/L.
Known AIS infestations	None	

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Carlson's Trophic State Index (TSI)



