

### Lake Mary Ronan (West)

Location: 47.9259 N, 114.40219

Depth: 43 feet (13 meters)

Temperature and oxygen profiles show that Lake Mary Ronan West was stratified during summer sampling dates. Temperature profiles indicate that this site has been within the avoidance threshold range for salmonids at depths of up to 6 meters during July and August. Oxygen profiles suggest that Mary Ronan West has been between avoidance and anoxic concentration thresholds for salmonids at depths greater than 8 meters. Anoxia has been observed at depths greater than 9 meters. When anoxic conditions occur at the benthic interface an oxidation reduction potential exists and nutrients stored in the sediment can be liberated back into the water column given the right conditions.

