

## 50-5. HAYDEN LAKE

### Boundaries and ownership:

*Boundaries:* Bordered on north, east, and south side by Hayden Lake Road. West – US95

*Ownership:* Mostly private, small sections of USDA Forest Service land

### Focal species using the site and timing of use:

Nesting Red-necked Grebes, Wood Ducks, American Wigeon, and Cinnamon Teal. Horned Grebes, ducks, and gulls common in late fall through spring. Loons, swans, and Osprey also in the area. Very limited, if any, shorebird use.

### Location of type 1 and 2 habitat within the site:

Functional Group	Type 1 Habitat	Type 2 Habitat
waterbirds	open water & emergent vegetation (particularly in Mokins Bay)	none
large waders	emergent vegetation, particularly at NE end	rest of shoreline
secretive marshbirds	water's edge at NE end of lake	none
waterfowl	open water, edges during breeding season (particularly in Mokins Bay)	none
shorebirds	shoreline	none
gulls and terns	all areas	none

**Access to the type 1 and 2 habitat and visibility of the birds:** View grebes, loons, waterfowl, and gulls through a scope from Honeysuckle Beach (SW end) and the Sportsman's Access (NW end) from late fall to spring. Overall, recreational use is quite high in late summer and might make any surveying at that time difficult. Viewing area at Tobler Marina for waterfowl on the lake, including grebes. In Mokins Bay, good area to search marshes for nesting ducks and grebes. This site would be best surveyed by boat; public boat access is available at NW and SW (Honeysuckle Beach) end.

### Conservation issues:

- Recreational use/overuse
- The Lake is already surrounded by private development and it looks like there is more shoreline development on the way
- It has also been noted by Ned Horner (fisheries biologist IDFG) that there are concerns with eutrication and noxious weeds, specifically with Eurasian Milfoil

### Conservation measures taken, in progress, or proposed:

- There is a Hayden Lake Management Plan Steering Committee that is connected to the Idaho Department of Environment Quality. Currently, they may be writing a new management plan to address water quality/development issues.

### Past and current surveys:

- The Coeur d'Alene River District of the Idaho Panhandle National Forest does the Hayden Lake portion of the midwinter Bald Eagle Survey every year

### Potential survey methods

*Description:*

- a. Nest searches for grebes and other waterbirds nesting in the emergent vegetation in small colonies by canoe, to minimize disturbance. Red-necked grebes appear to concentrate in small bays in north end and east side of the lake.
- b. Census for waterfowl on the open water using a boat or from viewing areas around lake, or by boat. Counts may be best done during fall, before ice forms on the lake. Boaters may disrupt late summer counts unless conducted in very early hours? Much of the lake is frozen in winter, so boat surveys will not be possible at this time.
- c. Area searches for migrating shorebirds during boat surveys? May have little or no shorebird use at this site.
- d. Systematic sampling, probably including the use of playback calls, for secretive marshbirds.
- e. Census for gulls and terns during waterfowl counts.

*Selection bias:* N/A

*Measurement error and bias:* Not sure if there would be any issues here, as no surveys have been done on waterbirds at this site.

**Needed pilot studies:** Given the lack of surveying on the lake in the past, pilot work to determine best places and times to survey by boat is suggested.

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