

## Stratum 1: Discrete Sites

### 50-1. BOUNDARY CREEK WILDLIFE MANAGEMENT AREA (WMA)

#### Boundaries and ownership:

*Boundaries:* Boundaries are clearly marked

*Ownership:* Idaho Department of Fish and Game

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

Waterfowl (Canada Goose, Common Merganser, Gadwall, Mallard, American Wigeon, Cinnamon Teal, Blue-winged Teal, Redhead, Ring-necked Duck, Northern Shoveler), waterbirds (Pied-billed Grebe, Black Tern, American Coot, Sora, Virginia Rail, Sandhill Crane), shorebirds (Killdeer, Wilson's Snipe, Wilson's Phalarope, Spotted Sandpiper), Bald Eagles, Osprey, and Vaux's swifts are present during the summer; the majority of which breed here. American White Pelicans occur here in late summer, and Red-necked Grebes may also occur here. Large waterfowl migration in fall and spring (>2,000; American Wigeon, Mallard, Green-winged Teal, Pintail, Lesser Scaup, Common Goldeneye, Bufflehead, White-fronted goose, Canada Goose, others) and shorebird migration in August (>100; Killdeer, Wilson's Snipe, Greater Yellowlegs, Long-billed Dowitcher, Western Sandpiper, Spotted Sandpiper, Solitary Sandpiper).

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

Functional Group	Type 1 Habitat	Type 2 Habitat
waterbirds	open water & emergent vegetation	none
large waders	breeding colonies, emergent vegetation	rest of shoreline
secretive marshbirds	water's edge	none
waterfowl	open water, edges during breeding season	none
shorebirds	exposed mudflats during spring/fall migration	rest of shoreline
gulls and terns	all areas	none

#### Access to the type 1 and 2 habitat and visibility of the birds:

Both foot and boat access is available to the public. Access roads (permission required from WMA manager during breeding season) wind through all wetland habitat at this site. Visibility is quite good from these access roads. Canoe may be helpful in some of the wetland areas.

#### Conservation issues:

- Drained and farmed until 1998.
- The area is used seasonally by grizzly bears.

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

- Wetland restoration is underway. Water control structures are installed and wetland cells flooded. Re-vegetation continues. Shorebird use expected to diminish with vegetation recovery under current management.
- The adjacent Thorman property was purchased by Ducks Unlimited in 2003. IDFG has a management agreement with DU to manage the Thorman property.
- Covered by the Boundary Creek WMA long-range management plan.
- Albeni Falls mitigation program is being funded by BPA.

#### Past and current surveys:

- Triennial point counts (through wetland habitat) planned as part of BPA monitoring obligation.
- Waterfowl breeding pair and brood surveys

## Potential survey methods

### *Description:*

- a. Nest searches for grebes and other waterbirds nesting in the emergent vegetation in small colonies. A canoe may be necessary for access.
- b. Colony counts for nesting large waders. Locations of nesting sites is currently unknown.
- c. Census for waterfowl and other waterbirds on the open water from shoreline, using access roads. Canoe may be helpful in some areas, but probably not necessary.
- d. Area searches for migrating shorebirds from observation points near Type 1 habitat.
- e. Systematic sampling, probably including the use of playback calls, for secretive marshbirds from along access roads.

*Selection bias:* N/A

*Measurement error and bias:* N/A

**Needed pilot studies:** None needed

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