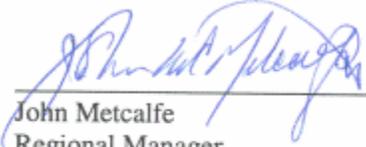


# BLACKWATER CREEK ECOLOGICAL RESERVE

## PURPOSE STATEMENT

March 2003

Approved by:

  
\_\_\_\_\_  
John Metcalfe  
Regional Manager  
Environmental Stewardship Division

Date: March 3/03

  
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Nancy Wilkin  
Assistant Deputy Minister  
Environmental Stewardship Division

Date: March 26/03

## **Blackwater Creek Ecological Reserve Purpose Statement**

The Blackwater Creek Ecological Reserve is located between Blackwater Creek and Williston Lake, 43 km northwest of Mackenzie. The ecological reserve is 234 ha in size, and protects a site for research on sub-boreal forest types on a poor site, adjacent bogland, and intermediate vegetation types.

The ecological reserve is located on a flat outwash plain about 15 km west of the Parsnip Reach of Williston Lake. It encompasses the southern end of a huge treeless bog. Access is available via logging roads which pass within 1 km of the ecological reserve.

The ecological reserve contains extensive, dense, coniferous forest stands, open bogland, and transitional areas in which tree islands give a parkland appearance. Upland forests are dominated by lodgepole pine, white spruce or black spruce, with some trembling aspen and balsam poplar. Three treeless bog communities are also included, all dominated by scrub birch and mosses.

### **Primary Role**

The primary role of Blackwater Creek Ecological Reserve is to protect a site for research on sub-boreal forest types on a poor site, adjacent bogland, and intermediate vegetation types.

<b>Known Management Issues</b>	<b>Response</b>
Boundary assessment	Boundary modification to the east to align with an existing Forest Service road is being reviewed with Ministry of Forests. This boundary modification may proceed in Spring 2003.
No Ecological Reserve Warden	Attempt to recruit a warden

## CONSERVATION

### Representation

- ecosection
- biogeoclimatic subzone/variant

Contributes minimally to the representation of the very poorly represented Parsnip Trench Ecosection (2.67%); the ecological reserve is one of only 6 protected areas in this ecosection and contributes 2.18% of the overall protected area representation of this ecosection.

Contributes minimally to the representation of the poorly represented SBS mk2 (3.70%); the ecological reserve contributes 2.35% of the overall protected area representation of this variant.

### Special Feature

#### Rare/Endangered Values

X unknown

#### Scientific/Research Opportunities

X Forest growth in poor conditions

## RECREATION

### Representation:

- backcountry
- destination
- travel corridor
- local recreation

X Nature appreciation opportunities

### Special Opportunities

#### Education/Interpretation Opportunities

X Forest/bog ecology

## CULTURAL HERITAGE

### Representation

### Special Feature

## OTHER MANAGEMENT CONSIDERATIONS

### Other Designations

#### Relationship to Other PAs

X One of 148 ecological reserves established to protect natural ecosystems and phenomena for research and education purposes across the province.

#### Co-operative Management

X Ducks Unlimited project to the southeast of the

**Arrangements**

Ecological Reserve.

**Partnerships**

No Ecological Reserve Warden

**Vulnerability**

The Conservation Risk Assessment Process identified 2 risk factors (the shape and the size of the ecological reserve) for the ecological reserve and rated them as highly significant. No stressors/threats were identified for the ecological reserve.

**Relationship to Other Strategies**

**Area:** 234 hectares

**Date of establishment:** December 4, 1975.