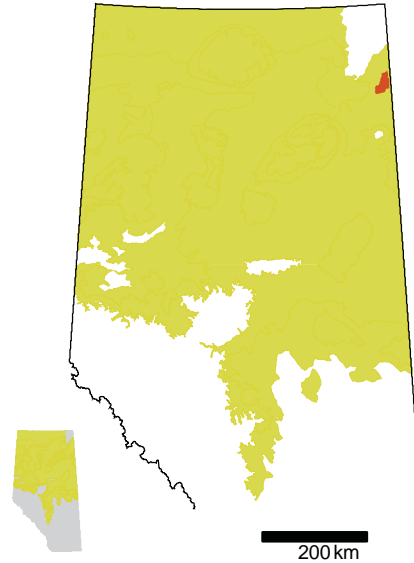


CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☒ 2 Contains rare or unique landforms
Lake Athabasca Area dunes, parabolic dunes
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Athabasca Plain

River Basin(s):

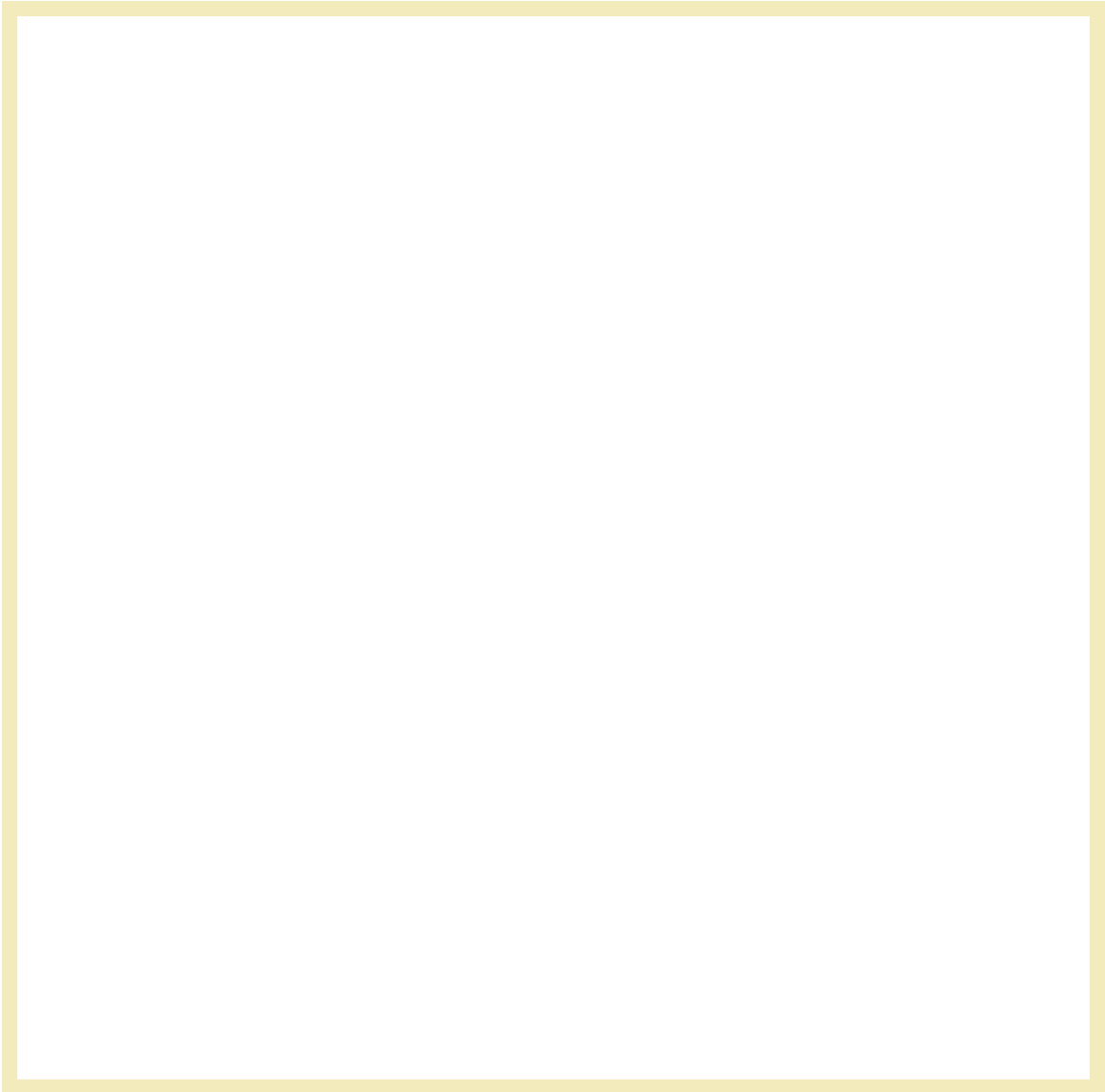
Athabasca River

Area:

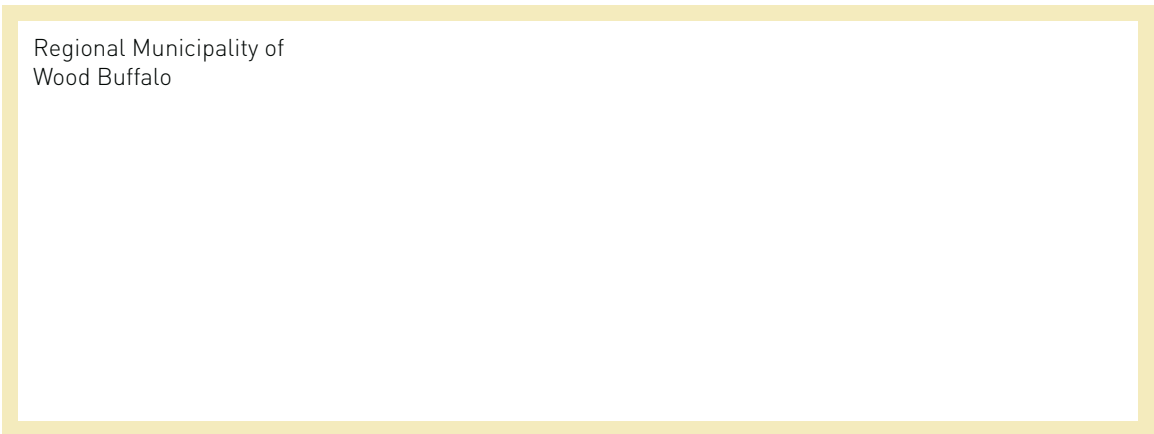
35,663.0 hectares

356.6 km²Density of
Human Features:Well 0 heads/km²Road 0 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN



MUNICIPALITIES



CRITERION

☐ 1 Contains 0 element(s) of conservation concern

☒ 2 Contains rare or unique landforms
Hay River-Chinchaga River Area river meanders, incised meanders

☐ 3 Contains habitat for focal species

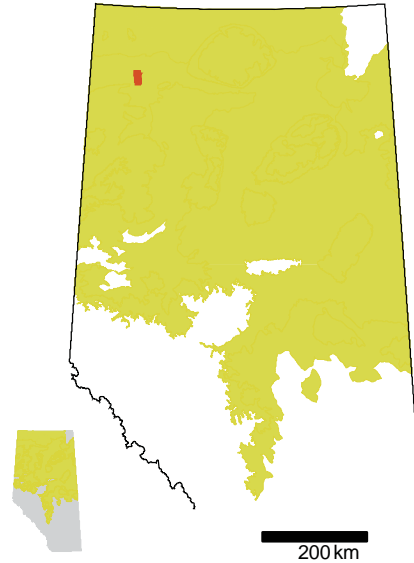
☐ 4 Contains important wildlife habitat

☒ 5 Contains riparian areas

- ☐ a Contains headwater streams
- ☒ b Contains intact riparian areas
- ☐ c Contains riparian areas along the six major rivers

☒ 6 Contains large natural areas

☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):

Hay River

Area:

6,470.8 hectares

64.7 km²


Density of
Human Features:

Well 0.11 heads/km²

Road 0 km/km²


Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN



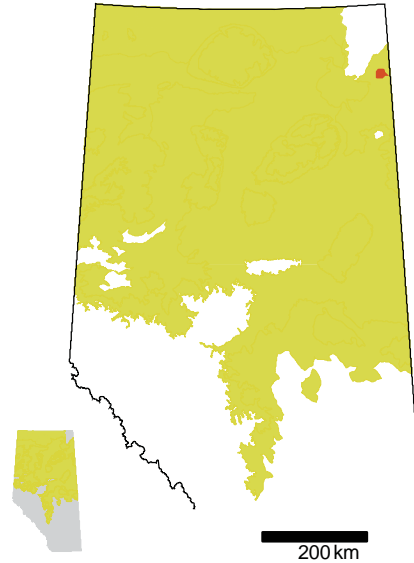
MUNICIPALITIES

Municipal District of
Mackenzie No. 23



CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☒ 2 Contains rare or unique landforms
Moose Point Area moraine, de geer moraine
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Athabasca Plain

River Basin(s):

Athabasca River

Area:

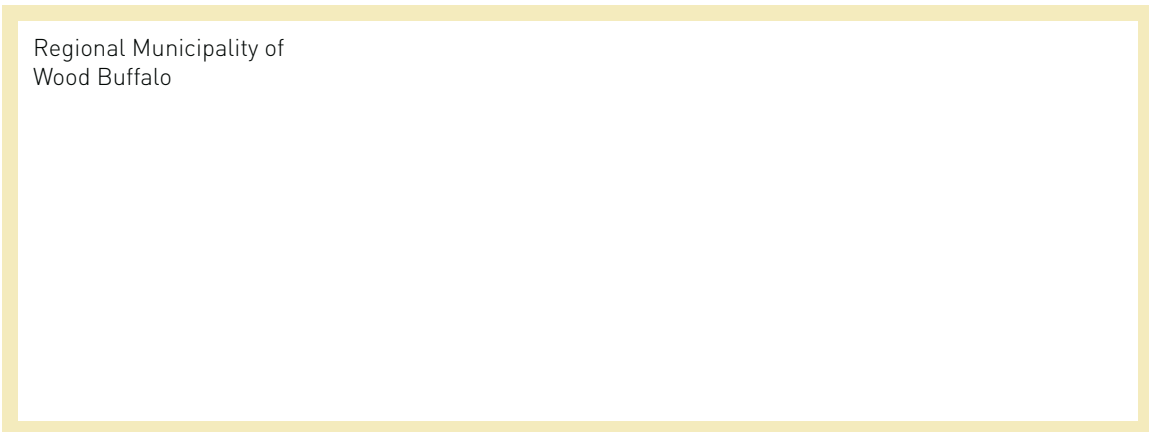
3,956.1 hectares

39.6 km²Density of
Human Features:Well 0 heads/km²Road 0 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

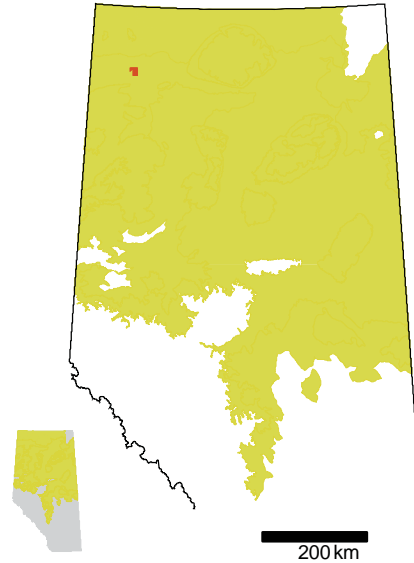


MUNICIPALITIES



CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):


Hay River

Area:

198.5 hectares


2.0 km²Density of
Human Features:Well 1.51 heads/km²Road 1.07 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN



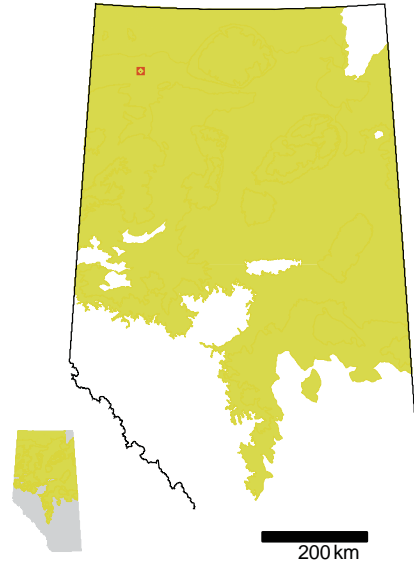
MUNICIPALITIES

Municipal District of
Mackenzie No. 23



CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):


Hay River

Area:

129.0 hectares


1.3 km²Density of
Human Features:Well 0 heads/km²Road 0 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN



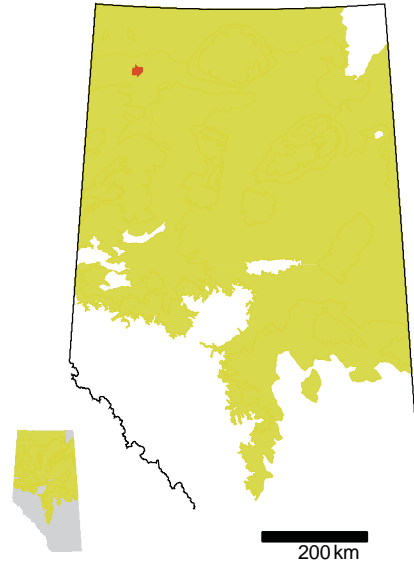
MUNICIPALITIES

Municipal District of
Mackenzie No. 23



CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal


ESA CHARACTERISTICS

Natural Region(s):	Natural Subregion(s):	River Basin(s):
Boreal	Central Mixedwood	Hay River

Area:
2,172.3 hectares
21.7 km²


Density of Human Features:
 Well **0.28** heads/km²
 Road **0.12** km/km²
 Pipeline **0.13** km/km²

ELEMENTS OF CONSERVATION CONCERN



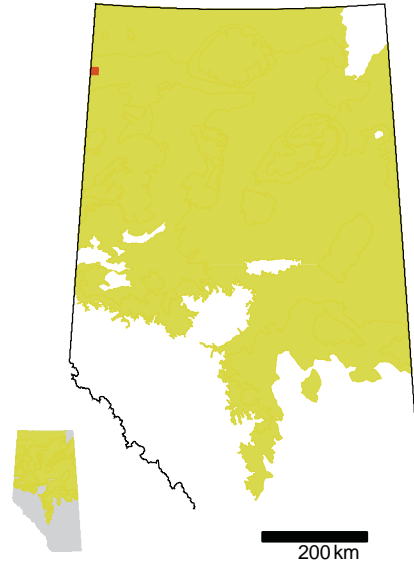
MUNICIPALITIES

Municipal District of
Mackenzie No. 23



CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☒ 2 Contains rare or unique landforms
Hay Lake Area thermokarst lakes
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):


Hay River

Area:

4,019.8 hectares


40.2 km²Density of
Human Features:Well 0.17 heads/km²Road 0 km/km²Pipeline 0.06 km/km²

ELEMENTS OF CONSERVATION CONCERN



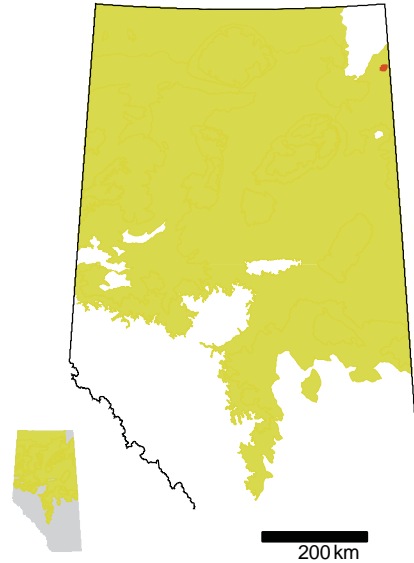
MUNICIPALITIES

Municipal District of
Mackenzie No. 23



CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☒ 2 Contains rare or unique landforms
Lake Athabasca Area beaches
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Athabasca Plain

River Basin(s):

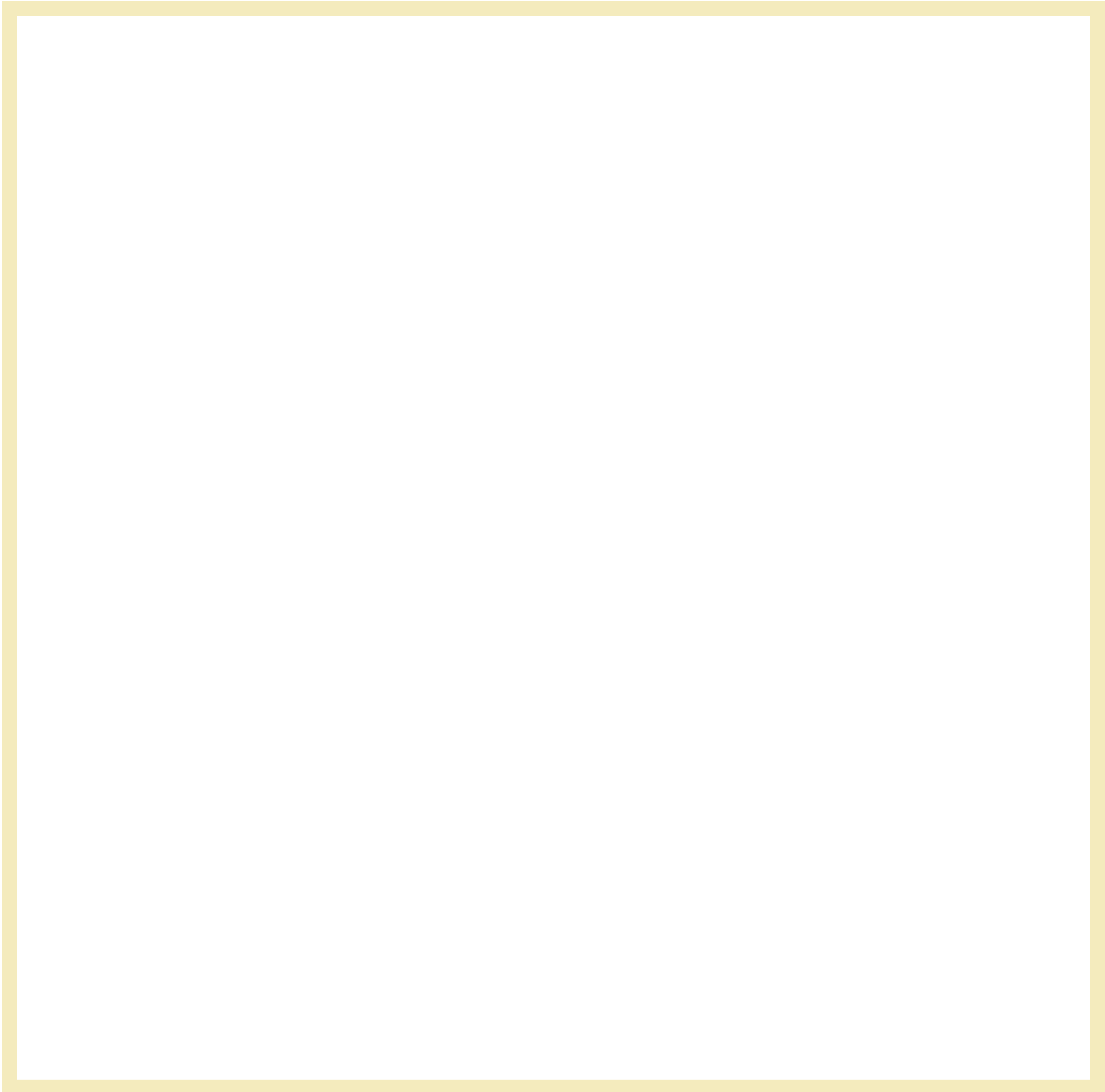
Athabasca River

Area:

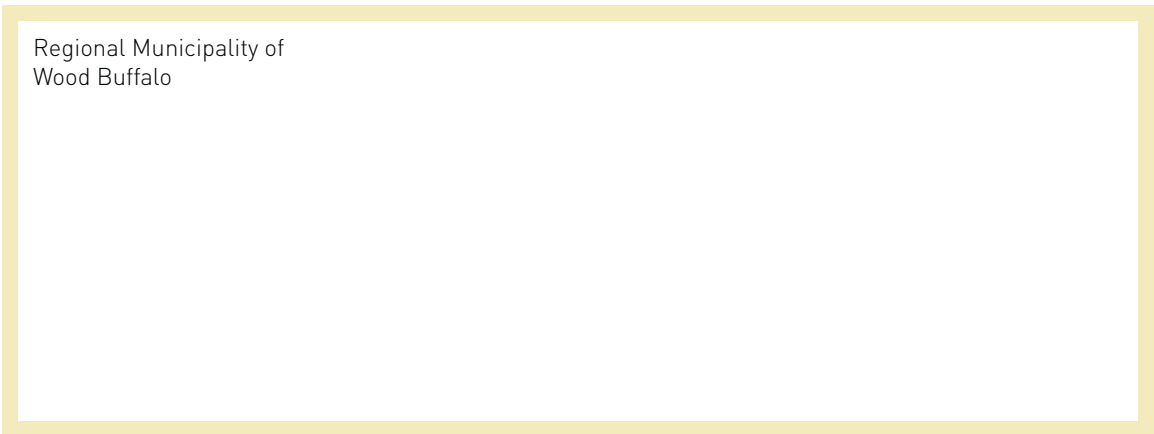
6,187.1 hectares

61.9 km²Density of
Human Features:Well 0 heads/km²Road 0 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN



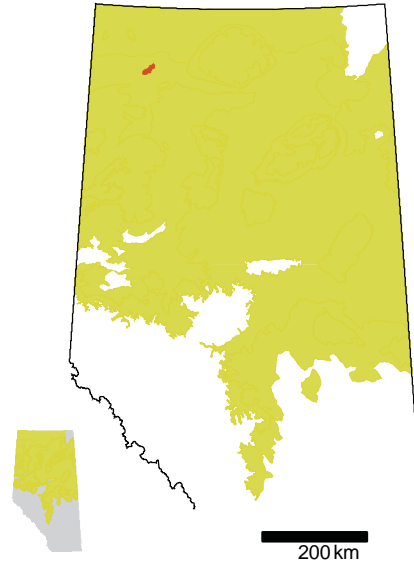
MUNICIPALITIES



Regional Municipality of
Wood Buffalo

CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):


Hay River

Area:

6,894.7 hectares


68.9 km²Density of
Human Features:Well 0.04 heads/km²Road 0 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN



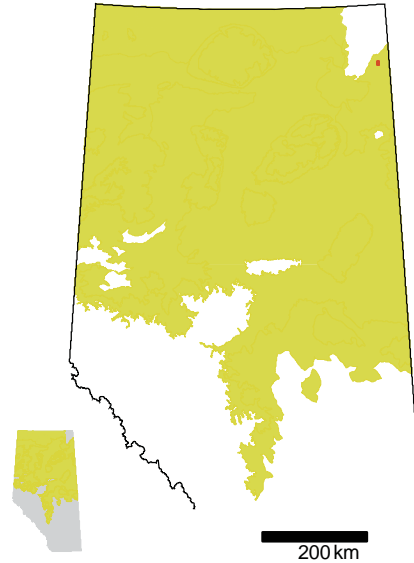
MUNICIPALITIES

Municipal District of
Mackenzie No. 23



CRITERION

- ☒ 1 Contains 1 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☒ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Athabasca Plain

River Basin(s):

Athabasca River

Area:

66.6 hectares

0.7 km²

Density of Human Features:

Well 0 heads/km²

Road 0 km/km²

Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

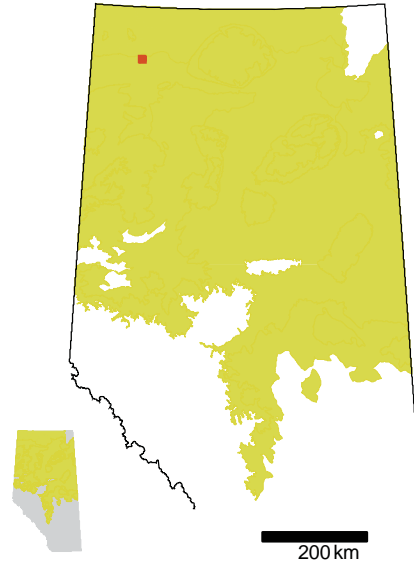
Caspian tern

MUNICIPALITIES

Regional Municipality of
Wood Buffalo

CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☒ 2 Contains rare or unique landforms
Zama City Area patterned fens, net fens
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):


Hay River

Area:

4,623.2 hectares


46.2 km²Density of
Human Features:Well 0.41 heads/km²Road 0 km/km²Pipeline 0.24 km/km²

ELEMENTS OF CONSERVATION CONCERN



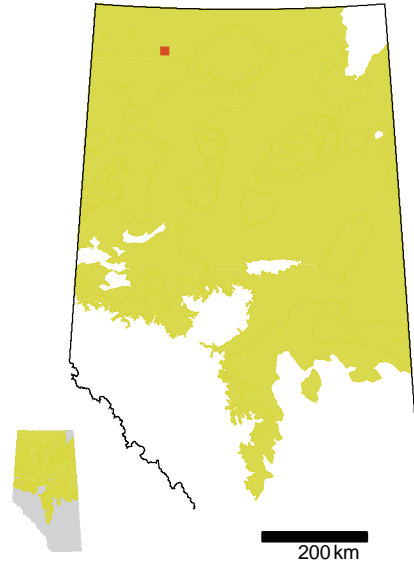
MUNICIPALITIES

Municipal District of
Mackenzie No. 23



CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☒ 2 Contains rare or unique landforms
Lutose Creek Area burning gas
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☐ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Northern Mixedwood

River Basin(s):


Hay River

Area:

330.3 hectares


3.3 km²Density of
Human Features:Well 0 heads/km²Road 0 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN



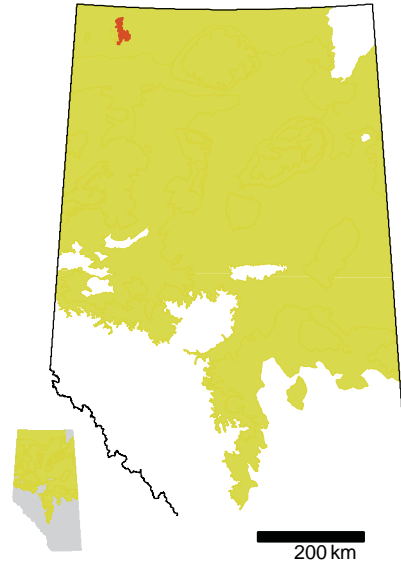
MUNICIPALITIES

Municipal District of
Mackenzie No. 23



CRITERION

- ☒ 1 Contains 5 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☒ 3 Contains habitat for focal species
- ☒ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Northern Mixedwood
Lower Boreal
Highlands
Boreal Subarctic

River Basin(s):

Hay River

Area:

47,133.1 hectares

471.3 km²Density of
Human Features:Well 0.06 heads/km²Road 0.02 km/km²Pipeline 0.06 km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

Trumpeter swan

Insects

Palaeno sulphur

Mammals

Woodland caribou -
boreal ecotype

Mosses

Fringed bog moss

Vascular Plants

Capitate sedge

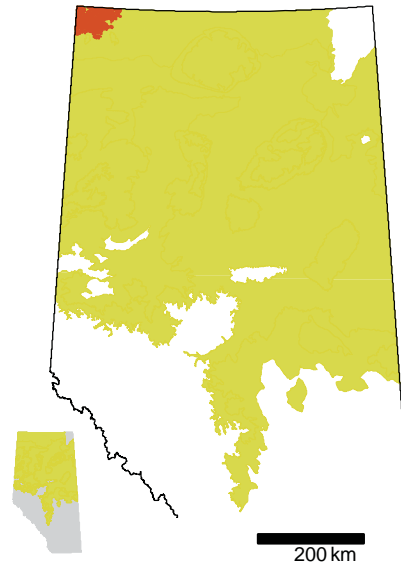
Small butterwort

MUNICIPALITIES

Municipal District of
Mackenzie No. 23

CRITERION

- ☒ 1 Contains 1 element(s) of conservation concern
- ☒ 2 Contains rare or unique landforms
Bistcho Lake Area peat plateaux
- ☒ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):	Natural Subregion(s):	River Basin(s):
Boreal	Northern Mixedwood Lower Boreal Highlands Boreal Subarctic	Hay River

Area:
304,849.2 hectares
3,048.5 km ²
Density of Human Features:
Well 0.01 heads/km ²
Road 0 km/km ²
Pipeline 0.01 km/km ²

ELEMENTS OF CONSERVATION CONCERN

Birds

Trumpeter swan

Mammals

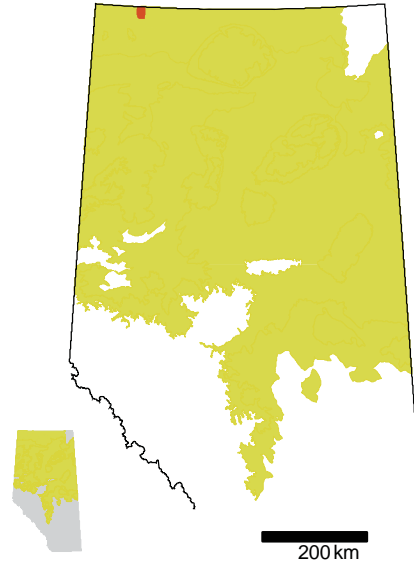
Woodland caribou -
boreal ecotype

MUNICIPALITIES

Municipal District of
Mackenzie No. 23

CRITERION

- ☒ 1 Contains 1 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☒ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Boreal Subarctic

River Basin(s):

Hay River

Area:

5,522.3 hectares

55.2 km²Density of
Human Features:Well 0 heads/km²Road 0 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

Trumpeter swan

Mammals

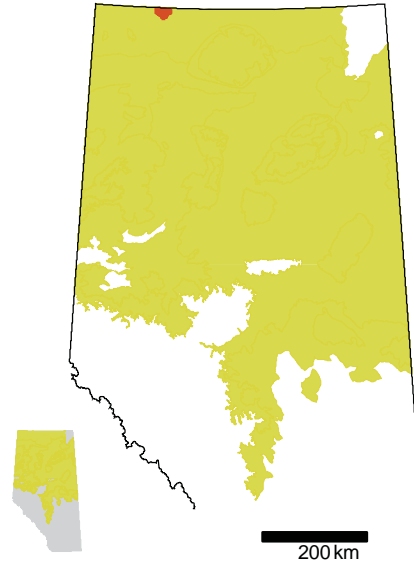
Woodland caribou -
boreal ecotype

MUNICIPALITIES

Municipal District of
Mackenzie No. 23

CRITERION

- ☒ 1 Contains 5 element(s) of conservation concern
- ☒ 2 Contains rare or unique landforms
Cameron Hills flutings, giant flutings
- ☒ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Boreal Subarctic
Lower Boreal
Highlands

River Basin(s):

Hay River

Area:

35,647.2 hectares

356.5 km²Density of
Human Features:Well 0.01 heads/km²Road 0 km/km²Pipeline 0.03 km/km²

ELEMENTS OF CONSERVATION CONCERN

Mammals

Woodland caribou -
boreal ecotype

Vascular Plants

Hudson Bay sedge

Mountain club-moss

Northern quillwort

Polar grass

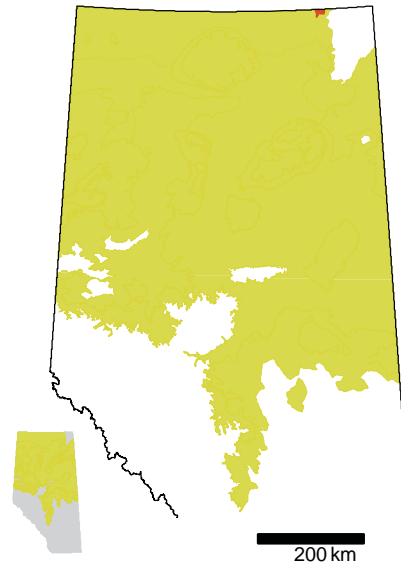
Small butterwort

MUNICIPALITIES

Municipal District of
Mackenzie No. 23

CRITERION

- ☒ 1 Contains 8 element(s) of conservation concern
- ☒ 2 Contains rare or unique landforms
Fitzgerald Area rapids
- ☐ 3 Contains habitat for focal species
- ☒ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):	Natural Subregion(s):	River Basin(s):
Boreal	Northern Mixedwood	Peace/Slave River

Area:
13,065.3 hectares
130.7 km²

Density of Human Features:
 Well **0** heads/km²
 Road **0.72** km/km²
 Pipeline **0** km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

American white pelican

Fish

Arctic lamprey

Insects

Kennedy's emerald

Ochre ringlet

Vascular Plants

Arctic wintergreen

Capitate sedge

White water-lily

Wild daisy fleabane

MUNICIPALITIES

Regional Municipality of
Wood Buffalo

CRITERION

☒ **1 Contains 9 element(s) of conservation concern**

☒ **2 Contains rare or unique landforms**

Fort Chipewyan Area raised beaches

☐ **3 Contains habitat for focal species**

☒ **4 Contains important wildlife habitat**

☒ **5 Contains riparian areas**

☐ **a** Contains headwater streams

☒ **b** Contains intact riparian areas

☒ **c** Contains riparian areas along the six major rivers

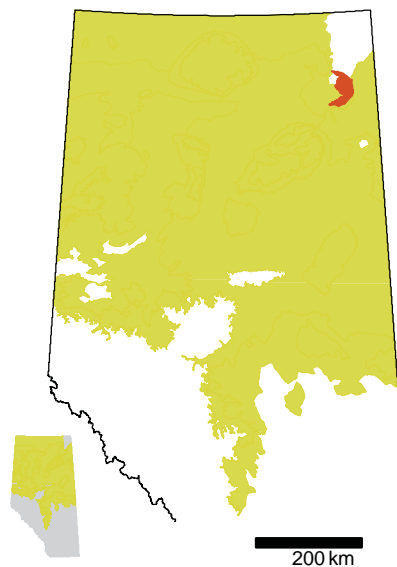
☒ **6 Contains large natural areas**

☒ **7 Contains sites of recognized significance**

Peace-Athabasca Delta Important Bird Area

Peace-Athabasca Delta RAMSAR Site

Wood Buffalo World Heritage Site



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal
Canadian Shield

Natural Subregion(s):

Peace-Athabasca
Delta
Kazan Uplands
Athabasca Plain

River Basin(s):

Athabasca River
Peace/Slave River

Area:

144,623.3 hectares

1,446.2 km²

Density of Human Features:

Well **0** heads/km²

Road **0.11** km/km²

Pipeline **0** km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

Cape may warbler

Peregrine falcon

Vascular Plants

American dune grass

Branched cinquefoil

Indian tansy

Northern slender ladies'-tresses

Pale blue-eyed grass

Polypodium sibiricum

Sparganium fluctuans

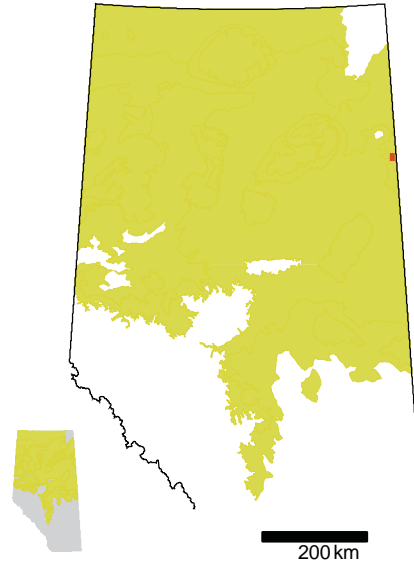
MUNICIPALITIES

Regional Municipality of
Wood Buffalo

Improvement District
No. 24 (Wood Buffalo)

CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☒ 2 Contains rare or unique landforms
Wallace Creek-Firebag River Area kames,
moulin kames
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along
the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Athabasca Plain

River Basin(s):

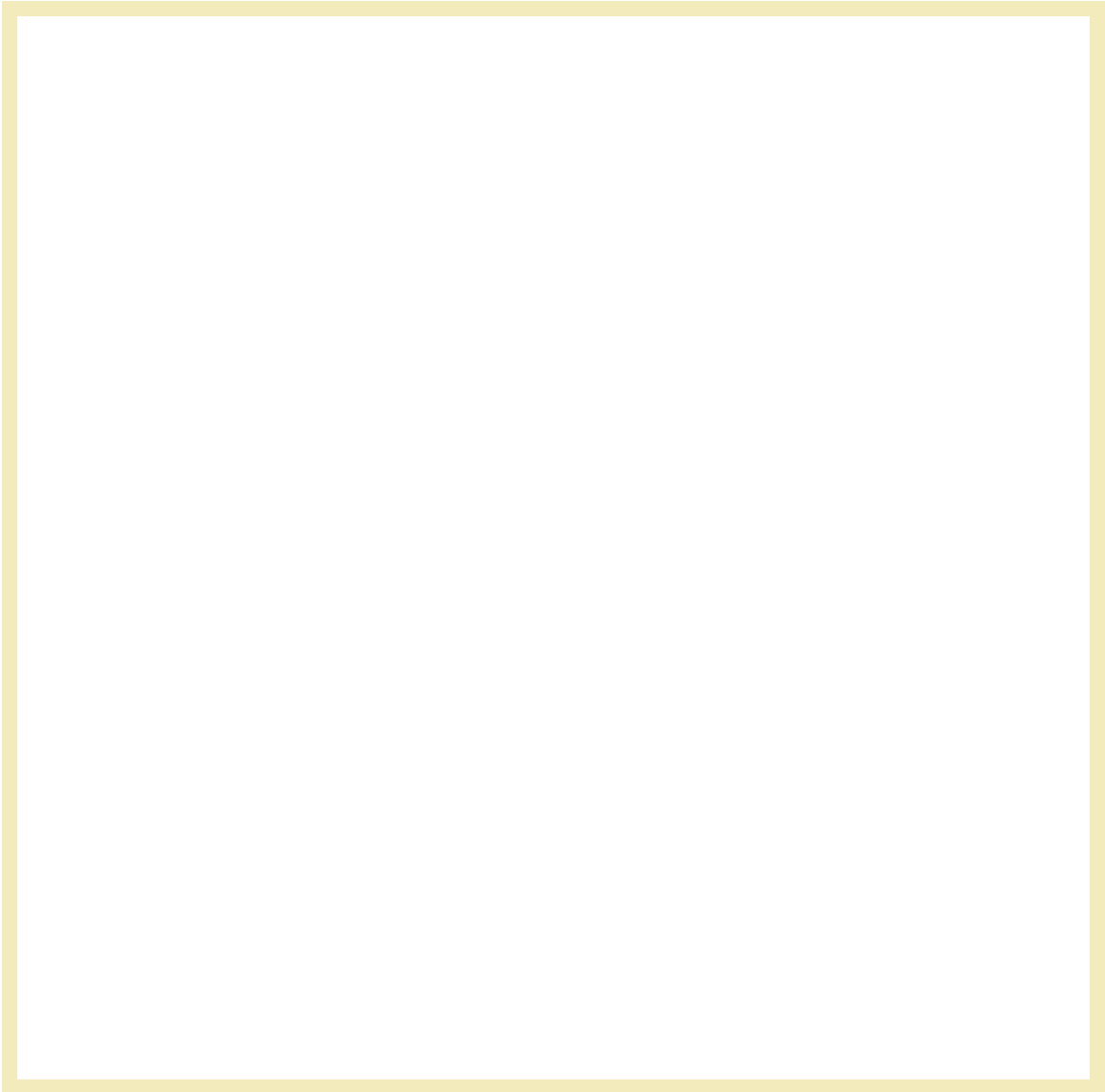
Athabasca River

Area:

64.7 hectares

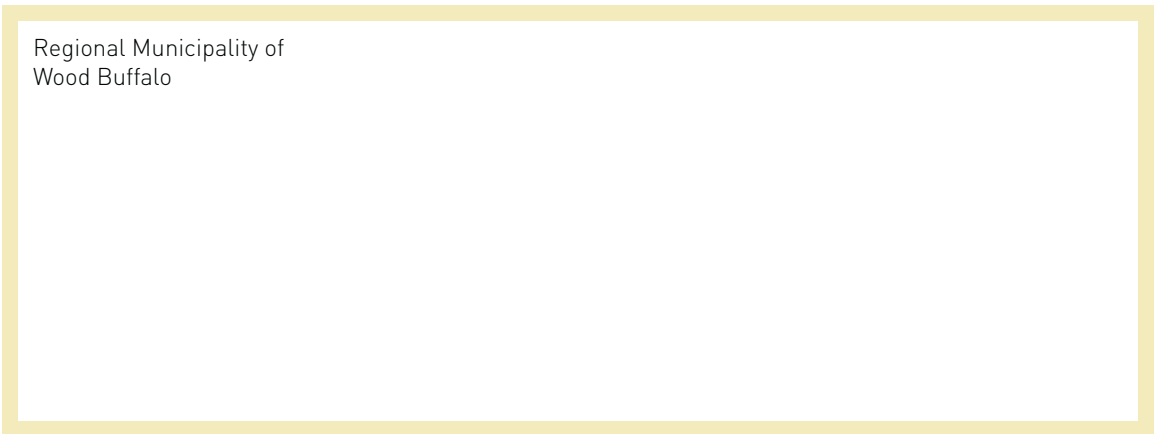
0.6 km²Density of
Human Features:Well 0 heads/km²Road 0 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN



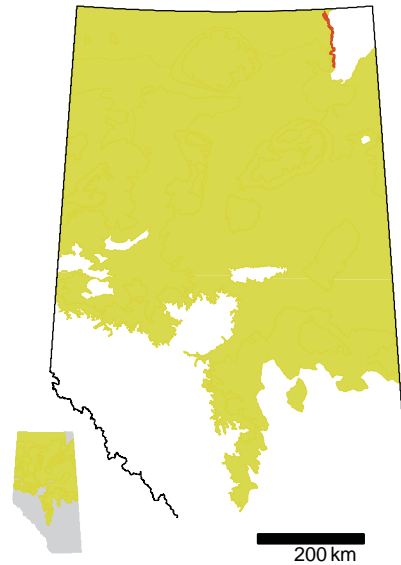
MUNICIPALITIES

Regional Municipality of
Wood Buffalo



CRITERION

- ☒ 1 Contains 12 element(s) of conservation concern
- ☒ 2 Contains rare or unique landforms
Fort Fitzgerald Area river islands, bedrock islands
- ☐ 3 Contains habitat for focal species
- ☒ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal
Canadian Shield

Natural Subregion(s):

Kazan Uplands
Northern Mixedwood
Peace-Athabasca
Delta

River Basin(s):

Peace/Slave River

Area:

31,148.6 hectares
311.5 km²

Density of
Human Features:

Well 0 heads/km²
Road 0.16 km/km²
Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

Amphibians and Reptiles

Leopard frog

Birds

Cape may warbler

Mew gull

Peregrine falcon

Willow ptarmigan

Insects

Ochre ringlet

Liverworts

Riccia fluitans

Vascular Plants

Capitate sedge

False dragonhead

Polypodium sibiricum

Square-stem monkeyflower

White water-lily

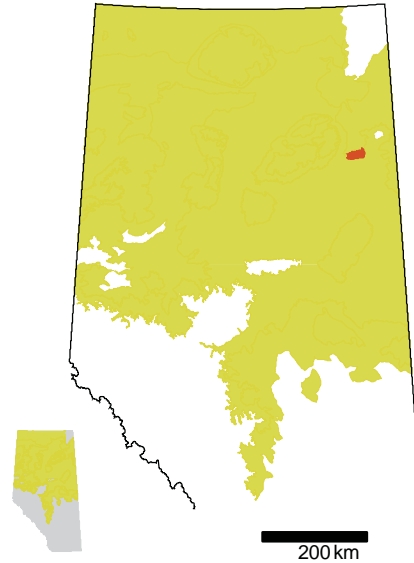
MUNICIPALITIES

Regional Municipality of
Wood Buffalo

Improvement District
No. 24 (Wood Buffalo)

CRITERION

- ☒ 1 Contains **38 element(s) of conservation concern**
- ☒ 2 Contains **rare or unique landforms**
Fort Hills Area kames, kame deltas
- ☐ 3 Contains **habitat for focal species**
- ☐ 4 Contains **important wildlife habitat**
- ☒ 5 Contains **riparian areas**
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains **large natural areas**
- ☐ 7 Contains **sites of recognized significance**



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood
Athabasca Plain

River Basin(s):

Athabasca River

Area:

43,823.4 hectares

438.2 km²Density of
Human Features:Well **2.67** heads/km²Road **0.01** km/km²Pipeline **0** km/km²

ELEMENTS OF CONSERVATION CONCERN

Liverworts

Anastrophyllum helleranum

Barbilophozia kunzeana

Blasia pusilla

Calypogeia integristipula

Calypogeia suecica

Cephaloziella hampeana

Chiloscyphus pallescens

Lophozia incisa

Lophozia laxa

Lophozia longidens

Riccardia latifrons

Scapania glaucocephala

Scapania paludicola

Mosses

Amblyodon dealbatus

Brown moss

Conardia compacta

Drepanocladus sendtneri

Flagon-fruited splachnum

Fringed bog moss

Globe-fruited splachnum

Meesia longiseta

Pseudobryum cinclidioides

Slender hairy-cap

Vascular Plants

Browned sedge

Few-fruited sedge

Flattened spike-rush

Large Canada St. John's-wort

Northern bur-reed

Pitcher-plant

Poverty oat grass

Prairie cord grass

Pygmy water-lily

Slender-leaved sundew

Umbellate sedge

Vetchling peavine

White water-lily

Vegetation Communities

Balsam poplar / alder-leaved
buckthorn

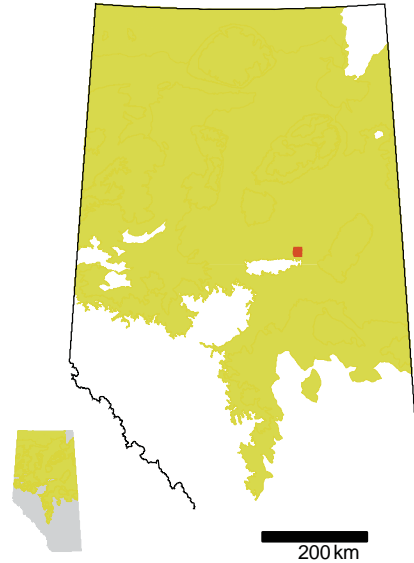
Mud sedge - buck-bean -
meadow bitter cress

MUNICIPALITIES

Regional Municipality of
Wood Buffalo

CRITERION

- ☒ 1 Contains 1 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☒ 3 Contains habitat for focal species
- ☒ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Pelican Lake Important Bird Area



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):

Athabasca River
Peace/Slave River

Area:

15,916.0 hectares

159.2 km²Density of
Human Features:Well 0.20 heads/km²Road 0 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

American white pelican

Mammals

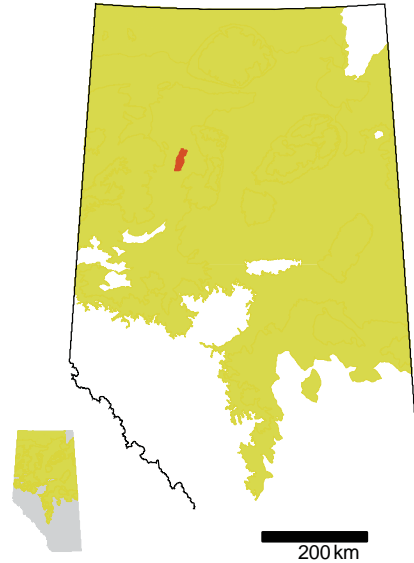
Woodland caribou -
boreal ecotype

MUNICIPALITIES

Municipal District of
Opportunity No. 17

CRITERION

- ☒ **1 Contains 2 element(s) of conservation concern**
- ☒ **2 Contains rare or unique landforms**
Cache Creek Sand Hills dunes, transverse dunes
Hawk Hills Area non-patterned fens without internal lawns, slope fens
- ☐ **3 Contains habitat for focal species**
- ☐ **4 Contains important wildlife habitat**
- ☒ **5 Contains riparian areas**
 - ☐ **a** Contains headwater streams
 - ☒ **b** Contains intact riparian areas
 - ☐ **c** Contains riparian areas along the six major rivers
- ☒ **6 Contains large natural areas**
- ☐ **7 Contains sites of recognized significance**



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Dry Mixedwood

River Basin(s):

Peace/Slave River

Area:

48,086.4 hectares

480.9 km²Density of
Human Features:Well 0.02 heads/km²Road 0.02 km/km²Pipeline 0.02 km/km²

ELEMENTS OF CONSERVATION CONCERN

Vascular Plants

Dwarf bulrush

Spotted Joe-pye weed

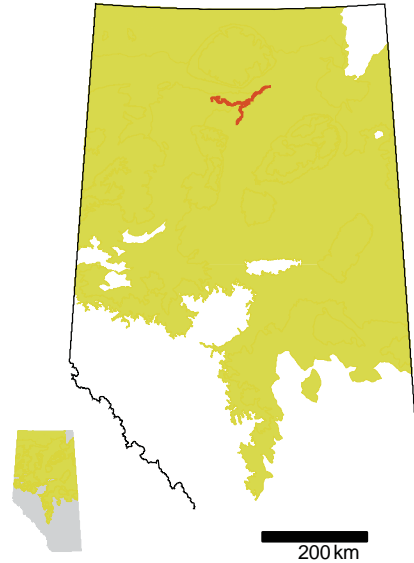
MUNICIPALITIES

Northern Sunrise County

Municipal District of
Mackenzie No. 23

CRITERION

- ☒ 1 Contains 2 element(s) of conservation concern
- ☒ 2 Contains rare or unique landforms
Vermilion Chutes Area rapids
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☒ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Dry Mixedwood
Central Mixedwood

River Basin(s):

Peace/Slave River

Area:

67,073.9 hectares
670.7 km²

Density of Human Features:

Well 0 heads/km²
Road 0.10 km/km²
Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

Peregrine falcon

Vascular Plants

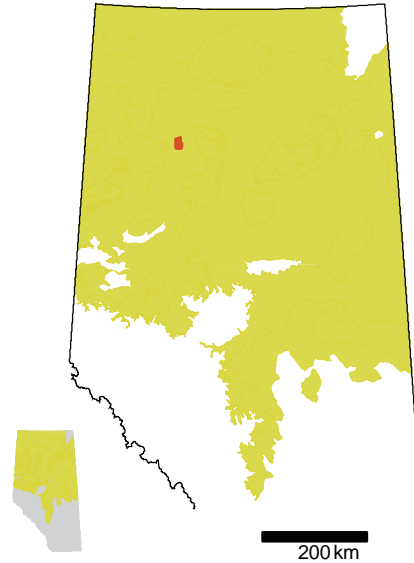
Marsh rush

MUNICIPALITIES

Municipal District of
Mackenzie No. 23

CRITERION

- ☒ **1 Contains 1 element(s) of conservation concern**
- ☒ **2 Contains rare or unique landforms**
Wolverine River Sand Hills dune ridges,
lacadena ridges
- ☐ **3 Contains habitat for focal species**
- ☐ **4 Contains important wildlife habitat**
- ☒ **5 Contains riparian areas**
 - ☐ **a** Contains headwater streams
 - ☒ **b** Contains intact riparian areas
 - ☐ **c** Contains riparian areas along the six major rivers
- ☒ **6 Contains large natural areas**
- ☐ **7 Contains sites of recognized significance**



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Dry Mixedwood

River Basin(s):

Peace/Slave River

Area:

5,774.8 hectares

57.7 km²Density of
Human Features:Well 0.02 heads/km²Road 0 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

Vascular Plants

Western ribgrass

MUNICIPALITIES

Municipal District of
Mackenzie No. 23

CRITERION

☒ **1 Contains 15 element(s) of conservation concern**

☒ **2 Contains rare or unique landforms**

Cherry Point Area earth flows
Peace River Town debris slides

☐ **3 Contains habitat for focal species**

☐ **4 Contains important wildlife habitat**

☒ **5 Contains riparian areas**

☐ **a** Contains headwater streams

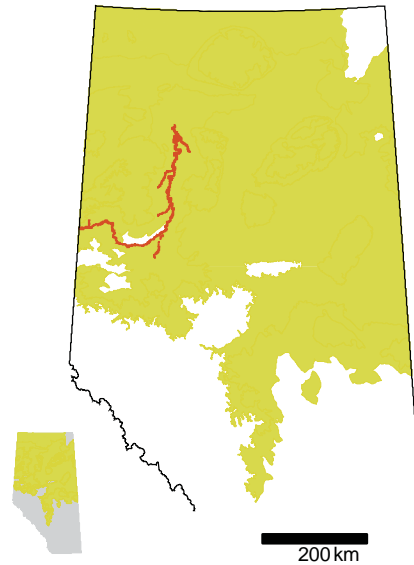
☒ **b** Contains intact riparian areas

☒ **c** Contains riparian areas along
the six major rivers

☒ **6 Contains large natural areas**

☒ **7 Contains sites of recognized significance**

Dunvegan West Wildland Provincial Park
Greene Valley Provincial Park
Notikewin Provincial Park
Peace River Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal
Parkland

Natural Subregion(s):

Dry Mixedwood
Peace River Parkland

River Basin(s):

Peace/Slave River

Area:

151,022.5 hectares

1,510.2 km²

**Density of
Human Features:**

Well **0.08** heads/km²

Road **0.18** km/km²

Pipeline **0.03** km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

Peregrine falcon

Fish

Largescale sucker

Northern squawfish

Prickly sculpin

Insects

Carlota checkerspot

Pike's old world swallowtail

Liverworts

Riccia beyrichiana

Riccia cavernosa

Vascular Plants

Canadian rice grass

Herriot's sagewort

Little-seed rice grass

Spotted Joe-pye weed

Wavy-leaved chickweed

Western ribgrass

Vegetation Communities

Western porcupine grass -
green needle grass - sedges

MUNICIPALITIES

Municipal District of
Northern Lights No. 22

Municipal District of
Mackenzie No. 23

Municipal District of
Clear Hills No. 21

Northern Sunrise County

Municipal District of
Peace No. 135

Municipal District of
Fairview No. 136

Birch Hills County

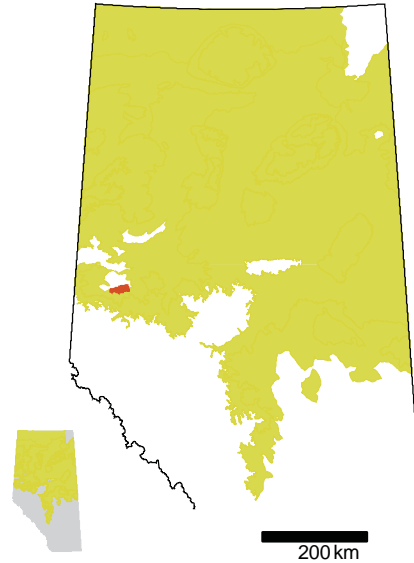
Saddle Hills County

Municipal District of
Smoky River No. 130

Municipal District of
Spirit River No. 133

CRITERION

- ☒ 1 Contains 3 element(s) of conservation concern
- ☒ 2 Contains rare or unique landforms
Grande Prairie Area dunes, parabolic dunes
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal
Parkland

Natural Subregion(s):

Dry Mixedwood
Peace River Parkland

River Basin(s):

Peace/Slave River

Area:

26,221.2 hectares
262.2 km²

Density of
Human Features:

Well 0.27 heads/km²
Road 0.55 km/km²
Pipeline 0.12 km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

Trumpeter swan

Fish

Largescale sucker

Vascular Plants

Leather grape fern

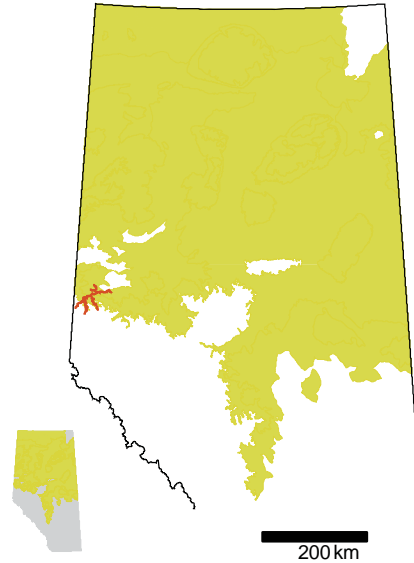
MUNICIPALITIES

County of Grande Prairie No. 1

Municipal District of
Greenview No. 16

CRITERION

- ☒ 1 Contains 6 element(s) of conservation concern
- ☒ 2 Contains rare or unique landforms
Calahoo Creek-Wapiti River Area warm springs
- ☒ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☒ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal
Foothills
Parkland

Natural Subregion(s):

Central Mixedwood
Dry Mixedwood
Lower Foothills
Peace River Parkland

River Basin(s):

Peace/Slave River

Area:

32,001.4 hectares
320.0 km²

Density of Human Features:

Well **0.35** heads/km²
Road **0.34** km/km²
Pipeline **0.23** km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

Trumpeter swan

Fish

Largescale sucker

Mammals

Woodland caribou -
mountain ecotype

Vascular Plants

Leafy pondweed

Macloskey's violet

Pinesap

Spike redtop

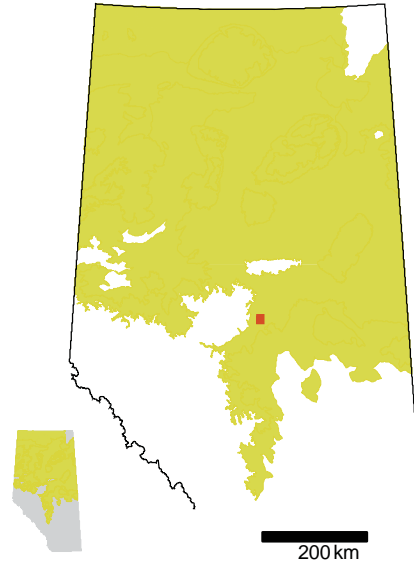
MUNICIPALITIES

Municipal District of
Greenview No. 16

County of Grande Prairie No. 1

CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☒ 2 Contains rare or unique landforms
Fort Assiniboine Sand Hills dunes, transverse dunes
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):

Athabasca River

Area:

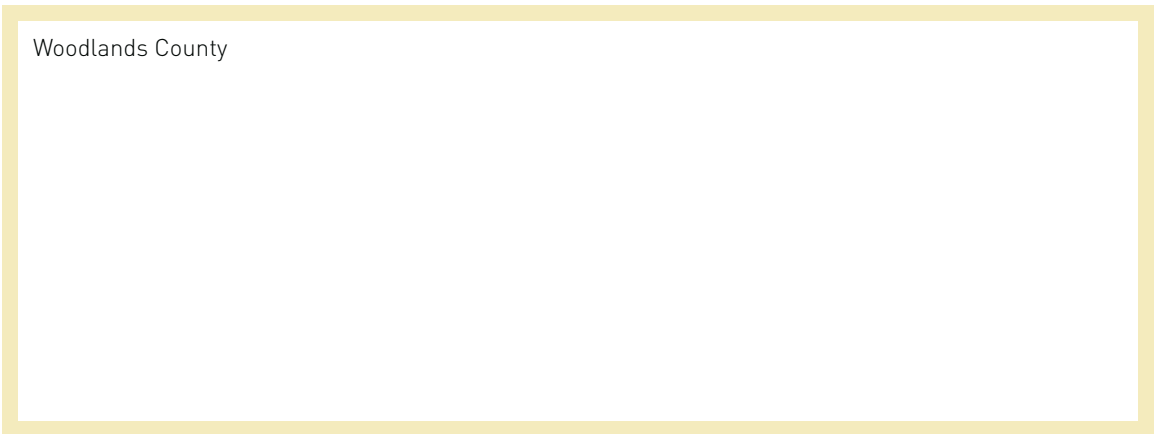
592.6 hectares

5.9 km²Density of
Human Features:Well 0.51 heads/km²Road 0.02 km/km²Pipeline 0.76 km/km²

ELEMENTS OF CONSERVATION CONCERN

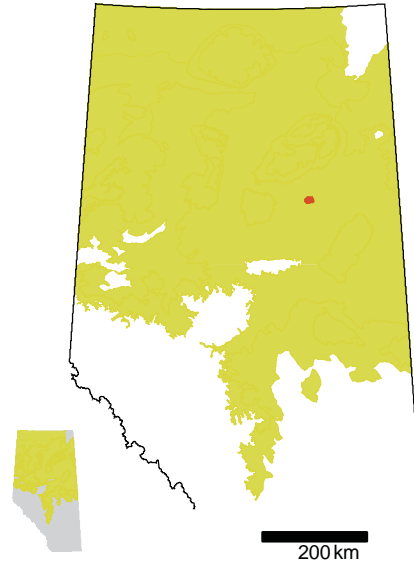


MUNICIPALITIES



CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☒ 2 Contains rare or unique landforms
Mackay River Area palsa bogs
- ☒ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):

Athabasca River

Area:

9,488.1 hectares

94.9 km²

Density of Human Features:

Well 0.06 heads/km²

Road 0 km/km²

Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

Mammals

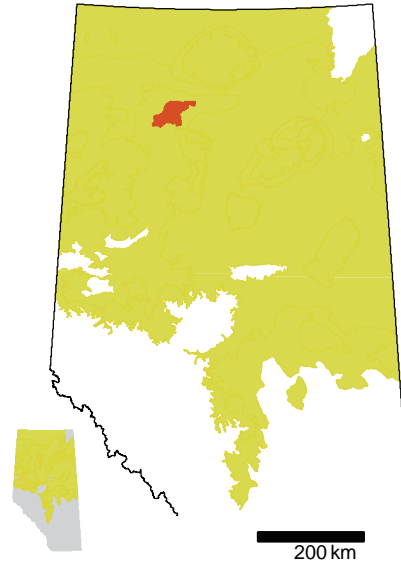
Woodland caribou -
boreal ecotype

MUNICIPALITIES

Municipal District of
Opportunity No. 17

CRITERION

- ☒ **1 Contains 6 element(s) of conservation concern**
- ☒ **2 Contains rare or unique landforms**
Fort Vermilion Sand Hills dunes, transverse dunes
- ☐ **3 Contains habitat for focal species**
- ☐ **4 Contains important wildlife habitat**
- ☒ **5 Contains riparian areas**
 - ☐ **a** Contains headwater streams
 - ☒ **b** Contains intact riparian areas
 - ☒ **c** Contains riparian areas along the six major rivers
- ☒ **6 Contains large natural areas**
- ☐ **7 Contains sites of recognized significance**



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Dry Mixedwood

River Basin(s):

Peace/Slave River

Area:

187,070.3 hectares

1,870.7 km²Density of
Human Features:Well 0.02 heads/km²Road 0.23 km/km²Pipeline 0.02 km/km²

ELEMENTS OF CONSERVATION CONCERN

Insects

Cary's arctic

Palaeno sulphur

Mosses

Fallacious screw moss

Sharp-pointed weissia

Vascular Plants

Herriot's sagewort

White adder's-mouth

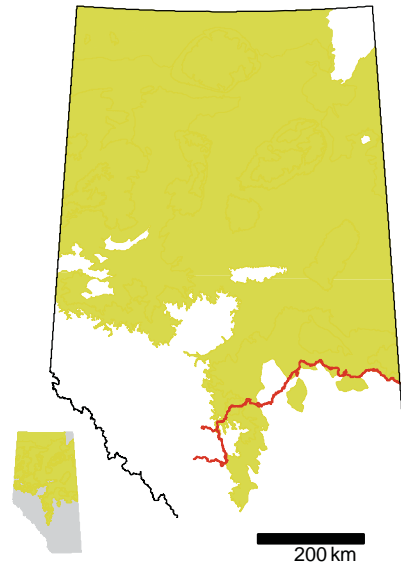
MUNICIPALITIES

Municipal District of
Mackenzie No. 23

Municipal District of
Northern Lights No. 22

CRITERION

- ☒ **1** Contains **65** element(s) of conservation concern
- ☐ **2** Contains rare or unique landforms
- ☒ **3** Contains habitat for focal species
- ☒ **4** Contains important wildlife habitat
- ☒ **5** Contains riparian areas
 - ☒ **a** Contains headwater streams
 - ☒ **b** Contains intact riparian areas
 - ☒ **c** Contains riparian areas along the six major rivers
- ☒ **6** Contains large natural areas
- ☒ **7** Contains sites of recognized significance
 - Blue Rapids Provincial Recreation Area
 - Eagle Point Provincial Park
 - Redwater Natural Area



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal
Foothills
Parkland

Natural Subregion(s):

Dry Mixedwood
Lower Foothills
Central Parkland
Central Mixedwood
Upper Foothills

River Basin(s):

North Saskatchewan
River

Area:

139,728.5 hectares
1,397.3 km²

Density of
Human Features:

Well **1.11** heads/km²
Road **0.90** km/km²
Pipeline **0.37** km/km²

ELEMENTS OF CONSERVATION CONCERN

Amphibians and Reptiles

Leopard frog

Birds

Ferruginous hawk

Peregrine falcon

Western burrowing owl

Fish

Lake Sturgeon

River shiner

Silver redhorse

Insects

Common green darner

Dot-tailed whiteface

Hobomok skipper

Northern pearly-eye

Liverworts

Conocephalum conicum

Lophozia heterocolpos

Mannia pilosa

Pellia neesiana

Mosses

Aloe-like rigid screw moss

Aongstroemia longipes

Bladder-cap moss

Blunt-leaved hair moss

Brachythecium plumosum

Brachythecium rutabulum

Bryobrittonia longipes

Bryohaplocladium virginianum

Bryum algovicum

Bryum pallens

Bryum uliginosum

Callicladium haldanianum

Campylium radicale

Conardia compacta

Dicranum ontariense

Entodon concinnus

Entodon schleicheri

Fallacious screw moss

Flagon-fruited splachnum

Leskea gracilescens

Leskea obscura

Narrow-fruited fork moss

Pohlia atropurpurea

Rhodobryum ontariense

Rigid screw moss

Scouleria aquatica

Short-beaked rigid screw moss

Thuidium philibertii

Urn moss

Vascular Plants

Back's sedge

Broad-leaved arrowhead

Canadian rice grass

Capitate sedge

Clammy hedge-hyssop

Crowfoot violet

Dwarf bulrush

False dragonhead

Flat-topped white aster

Fox sedge

Herriot's sagewort

Hooker's sedge

Hybrid dwarf raspberry

Leather grape fern

Leiberg's millet

Long-leaved bluets

Marsh muhly

Panicum wilcoxianum

Poverty oat grass

Seaside sedge

Slender-leaved sundew

Smooth sweet cicely

White adder's-mouth

MUNICIPALITIES

Clearwater County

Parkland County

County of St. Paul No. 19

Brazeau County

County of Two Hills No. 21

Smoky Lake County

Leduc County

Lamont County

County of Vermilion River No. 24

Sturgeon County

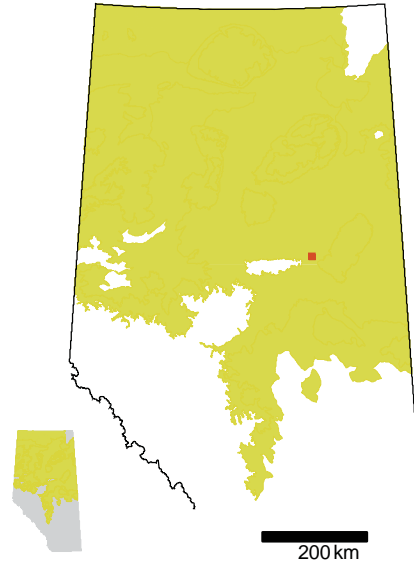
Strathcona County

Yellowhead County

County of Thorhild No. 7

CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☒ 2 Contains rare or unique landforms
Pelican Lake Area wooded bogs with internal lawns, northern plateau bogs
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☐ 6 Contains large natural areas
- ☐ 7 Contains sites of recognized significance



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):


Athabasca River

Area:

2,176.2 hectares


21.8 km²Density of
Human Features:Well 0.23 heads/km²Road 0 km/km²Pipeline 0.05 km/km²

ELEMENTS OF CONSERVATION CONCERN



MUNICIPALITIES

Municipal District of
Opportunity No. 17



CRITERION

☒ **1 Contains 70 element(s) of conservation concern**

☒ **2 Contains rare or unique landforms**

Algar River Sand Hills dunes,
transverse dunes

Audet Lake Area patterned fens,
northern ribbed fens

Grand Rapids Area rapids

Lake Athabasca Area dunes,
parabolic dunes

☒ **3 Contains habitat for focal species**

☒ **4 Contains important wildlife habitat**

☒ **5 Contains riparian areas**

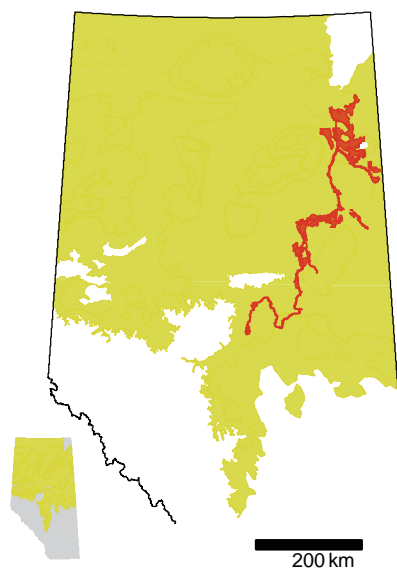
☐ **a** Contains headwater streams

☒ **b** Contains intact riparian areas

☒ **c** Contains riparian areas along
the six major rivers

☒ **6 Contains large natural areas**

☐ **7 Contains sites of recognized significance**



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal
Canadian Shield

Natural Subregion(s):

Central Mixedwood
Athabasca Plain
Peace-Athabasca
Delta
Dry Mixedwood
Lower Boreal
Highlands
Kazan Uplands

River Basin(s):

Athabasca River
Peace/Slave River

Area:

667,295.3 hectares

6,673.0 km²

**Density of
Human Features:**

Well **0.38** heads/km²

Road **0.08** km/km²

Pipeline **0.03** km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

Peregrine falcon

Fish

Brassy minnow

Insects

Cary's arctic

Crimson-ringed whiteface

River jewelwing

Variegated meadowhawk

Liverworts

Anastrophyllum helleranum

Chiloscyphus pallescens

Chiloscyphus polyanthos

Conocephalum conicum

Gymnocolea inflata

Riccardia multifida

Riccardia palmata

Riccia cavernosa

Scapania glaucocephala

Scapania paludosa

Mammals

Woodland caribou - boreal ecotype

Mosses

Brachythecium rutabulum

Bryum algovicum

Bryum pallens

Campylium radicale

Dicranum ontariense

Dicranum spadiceum

Entodon schleicheri

Hygroamblystegium tenax

Hypnum callichroum

Myurella tenerima

Neckera pennata

Pseudobryum cinclidioides

Pseudoleskea patens

Slender hairy-cap

Sphagnum fallax

Sphagnum platyphyllum

Twisted bog moss

Zygodon viridissimus

Vascular Plants

Back's sedge

Bodin's milk vetch

Bog adder's-mouth

Bog club-moss

Branched cinquefoil

Broad-leaved arrowhead

Epilobium lactiflorum

False dragonhead

Few-fruited sedge

Fringed milkwort

Ground-fir

Herriot's sagewort

Horned bladderwort

Indian tansy

Large Canada St. John's-wort

Leafy pondweed

Macloskey's violet

Male fern

Marsh bellflower

Meadow bitter cress

Mouse-ear cress

Northern fringed gentian

Pale blue-eyed grass

Pitcher-plant

Prairie cord grass

Pygmy water-lily

Salt-marsh sand spurry

Sand sedge

Sand-dune chickweed

Sea-side plantain

Short-tail rush

Slender-leaved sundew

Tyrrell's willow

White water-lily

Vegetation Communities

Nuttall's salt-meadow grass - western sea-blite - salt-marsh sand spurry barren

Samphire emergent marsh

MUNICIPALITIES

Regional Municipality of Wood Buffalo

Municipal District of Opportunity No. 17

Municipal District of Lesser Slave River No. 124

Lakeland County

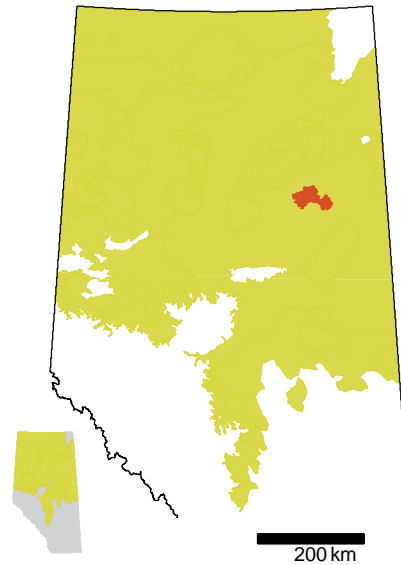
County of Athabasca No. 12

Woodlands County

Improvement District No. 24 (Wood Buffalo)

CRITERION

- ☒ **1 Contains 7 element(s) of conservation concern**
- ☒ **2 Contains rare or unique landforms**
Thickwood Hills patterned fens,
northern ribbed fens
- ☒ **3 Contains habitat for focal species**
- ☐ **4 Contains important wildlife habitat**
- ☒ **5 Contains riparian areas**
 - ☐ **a** Contains headwater streams
 - ☒ **b** Contains intact riparian areas
 - ☐ **c** Contains riparian areas along the six major rivers
- ☒ **6 Contains large natural areas**
- ☐ **7 Contains sites of recognized significance**



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):

Athabasca River

Area:

139,633.2 hectares

1,396.3 km²Density of
Human Features:Well **0.07** heads/km²Road **0** km/km²Pipeline **0.02** km/km²

ELEMENTS OF CONSERVATION CONCERN

Mammals

Woodland caribou -
boreal ecotype

Mosses

Brown moss

Brown moss

Fringed bog moss

Meesia longiseta

Sphagnum fallax

Twisted bog moss

Vascular Plants

Mingan grape fern

MUNICIPALITIES

Regional Municipality of
Wood Buffalo

Municipal District of
Opportunity No. 17

CRITERION

☒ **1 Contains 24 element(s) of conservation concern**
☒ **2 Contains rare or unique landforms**

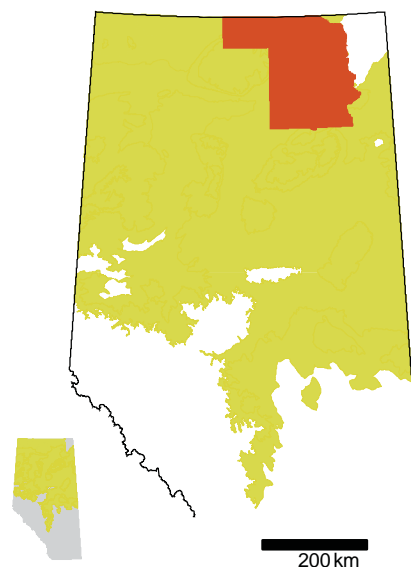
Elk Lake Area non-patterned fens with internal lawns, horizontal fens
 Fort Chipewyan Area deltas, stable channel-mouth bar deltas
 Fort Fitzgerald Area river islands, bedrock islands
 Lake Athabasca Area dunes, parabolic dunes

☒ **3 Contains habitat for focal species**
☒ **4 Contains important wildlife habitat**
☒ **5 Contains riparian areas**

- ☐ **a** Contains headwater streams
☒ **b** Contains intact riparian areas
☒ **c** Contains riparian areas along the six major rivers

☒ **6 Contains large natural areas**
☒ **7 Contains sites of recognized significance**

Peace-Athabasca Delta Important Bird Area
 Peace-Athabasca Delta RAMSAR Site
 Whooping Crane Summer Range RAMSAR Site
 Whooping Crane nesting area and summer range Important Bird Area
 Wood Buffalo World Heritage Site



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal
 Canadian Shield

Natural Subregion(s):

Central Mixedwood
 Northern Mixedwood
 Peace-Athabasca Delta
 Lower Boreal Highlands
 Boreal Subarctic
 Athabasca Plain
 Kazan Uplands
 Upper Boreal Highlands

River Basin(s):

Peace/Slave River
 Buffalo River
 Athabasca River

Area:

3,626,065.6 hectares
36,260.7 km²

Density of Human Features:

Well **0** heads/km²
 Road **0** km/km²
 Pipeline **0** km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

Cape may warbler
Peregrine falcon
Whooping crane
Willow ptarmigan

Liverworts

Barbilophozia attenuata
Frullania inflata

Mammals

Woodland caribou -
boreal ecotype

Mosses

Bladder-cap moss
Neckera pennata

Vascular Plants

Arctic wintergreen
False dragonhead
Herriot's sagewort
Hooker's cinquefoil
Leafy pondweed
Marsh felwort
Narrow sedge
Parry's sedge
Polypodium sibiricum
Red bulrush
Salt-marsh sand spurry
Sea-side plantain

Slender bulrush

Vegetation Communities

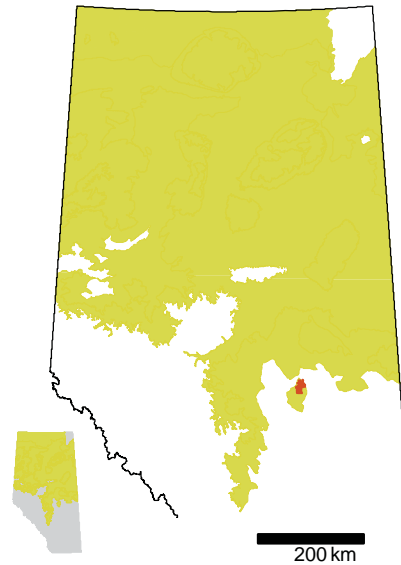
Samphire emergent marsh
Spearscale saltbrush -
Nuttall's salt-meadow grass -
slender arrow grass string fen
White spruce / lichen

MUNICIPALITIES

Improvement District
No. 24 (Wood Buffalo)
Regional Municipality of
Wood Buffalo
Municipal District of
Mackenzie No. 23

CRITERION

- ☒ **1 Contains 26 element(s) of conservation concern**
- ☒ **2 Contains rare or unique landforms**
Cooking Lake Area megablocks
- ☒ **3 Contains habitat for focal species**
- ☒ **4 Contains important wildlife habitat**
- ☐ **5 Contains riparian areas**
 - ☐ **a** Contains headwater streams
 - ☐ **b** Contains intact riparian areas
 - ☐ **c** Contains riparian areas along the six major rivers
- ☒ **6 Contains large natural areas**
- ☒ **7 Contains sites of recognized significance**
Elk Island National Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal
Parkland

Natural Subregion(s):

Dry Mixedwood
Central Parkland

River Basin(s):

North Saskatchewan
River

Area:

26,849.6 hectares
268.5 km²

**Density of
Human Features:**

Well **0.08** heads/km²
Road **0.54** km/km²
Pipeline **0.05** km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

Ferruginous hawk
Hooded merganser
Trumpeter swan
Western burrowing owl

Insects

Bronze copper
Cranberry blue
Hobomok skipper
Northern pearly-eye

Liverworts

Ricciocarpos natans

Mammals

Prairie vole

Vascular Plants

Ascending grape fern
Back's sedge
Botrychium michiganense
Botrychium pallidum
Botrychium pinnatum
Carolina wild geranium
Crested shield fern
Dwarf grape fern
Hooker's sedge
Lakeshore sedge
Lance-leaved grape fern

Leather grape fern

Macloskey's violet

Meadow bitter cress

Mingan grape fern

Pale blue-eyed grass

Watermeal

Vegetation Communities

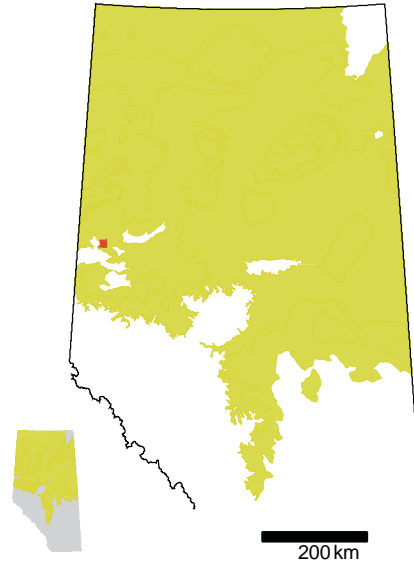
Cyperus-like sedge - water arum

MUNICIPALITIES

Improvement District
No. 13 (Elk Island)
Lamont County
Strathcona County
Beaver County

CRITERION

- ☒ 1 Contains 1 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☐ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
Moonshine Lake Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Dry Mixedwood

River Basin(s):

Peace/Slave River

Area:

1,099.9 hectares

11.0 km²Density of
Human Features:Well 0.09 heads/km²Road 0.50 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

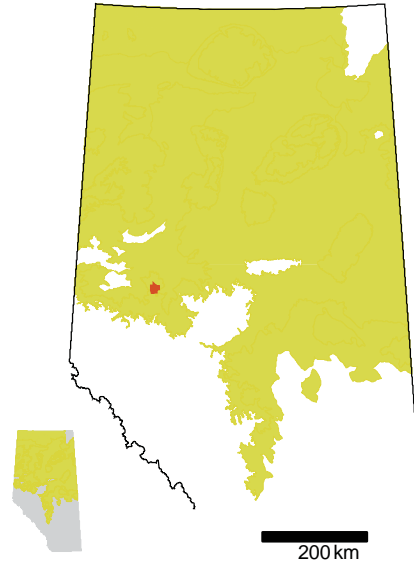
Trumpeter swan

MUNICIPALITIES

Saddle Hills County

CRITERION

- ☒ **1 Contains 1 element(s) of conservation concern**
- ☐ **2 Contains rare or unique landforms**
- ☐ **3 Contains habitat for focal species**
- ☐ **4 Contains important wildlife habitat**
- ☐ **5 Contains riparian areas**
 - ☐ **a** Contains headwater streams
 - ☐ **b** Contains intact riparian areas
 - ☐ **c** Contains riparian areas along the six major rivers
- ☒ **6 Contains large natural areas**
- ☒ **7 Contains sites of recognized significance**
Young's Point Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood
Dry Mixedwood

River Basin(s):

Peace/Slave River

Area:

3,102.9 hectares

31.0 km²
**Density of
Human Features:**
Well **0.13** heads/km²Road **0.19** km/km²Pipeline **0.03** km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

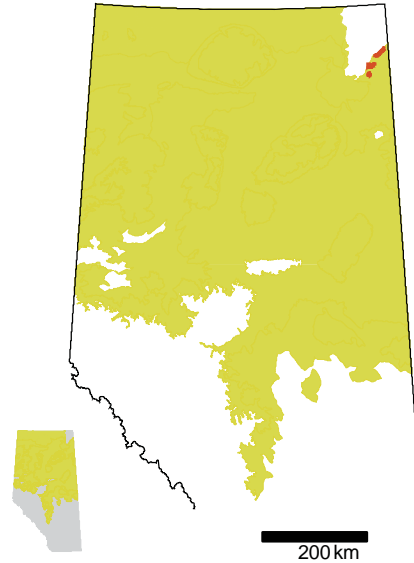
Trumpeter swan

MUNICIPALITIES

Municipal District of
Greenview No. 16

CRITERION

- ☒ **1 Contains 37 element(s) of conservation concern**
- ☒ **2 Contains rare or unique landforms**
Fort Chipewyan Area spits
- ☐ **3 Contains habitat for focal species**
- ☒ **4 Contains important wildlife habitat**
- ☐ **5 Contains riparian areas**
 - ☐ **a** Contains headwater streams
 - ☐ **b** Contains intact riparian areas
 - ☐ **c** Contains riparian areas along the six major rivers
- ☒ **6 Contains large natural areas**
- ☒ **7 Contains sites of recognized significance**
Fidler-Greywillow Wildland Provincial Park
Peace-Athabasca Delta Important Bird Area



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal
Canadian Shield

Natural Subregion(s):

Athabasca Plain
Kazan Uplands

River Basin(s):

Athabasca River
Peace/Slave River

Area:

13,813.5 hectares
138.1 km²

Density of Human Features:

Well **0** heads/km²
Road **0** km/km²
Pipeline **0** km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

Caspian tern
Peregrine falcon

Liverworts

Lophozia guttulata
Pellia endiviifolia
Scapania curta

Mosses

Bartramia pomiformis
Cynodontium tenellum
Neckera pennata
Ulota curvifolia

Vascular Plants

American dune grass
Bog club-moss
Branched cinquefoil
Capitate sedge
Carex lenticularis var lenticularis
Dwarf grape fern
Few-fruited sedge
Indian tansy
Large Canada St. John's-wort
Leather grape fern
Lens-fruited sedge
Little prickly sedge
Luzula groenlandica

Macloskey's violet

Marsh rush

Mountain club-moss

Northern oak fern

Northern quillwort

Polypodium sibiricum

Poverty oat grass

Puccinellia distans ssp hauptiana

Sagina nodosa

Short-tail rush

Slender beak-rush

Umbellate sedge

Weak sedge

Vegetation Communities

American dune grass -
Indian tansy shoreline dune
Northern quillwort aquatic
community

MUNICIPALITIES

Regional Municipality of
Wood Buffalo

CRITERION

☒ **1 Contains 14 element(s) of conservation concern**

☒ **2 Contains rare or unique landforms**

Marguerite River Wildland eskers
Marguerite River Wildland kames,
kame moraines

☒ **3 Contains habitat for focal species**

☐ **4 Contains important wildlife habitat**

☒ **5 Contains riparian areas**

☐ **a** Contains headwater streams

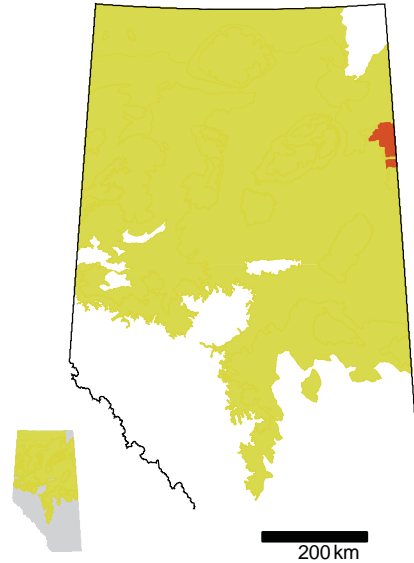
☒ **b** Contains intact riparian areas

☐ **c** Contains riparian areas along
the six major rivers

☒ **6 Contains large natural areas**

☒ **7 Contains sites of recognized significance**

Marguerite River Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal
Canadian Shield

Natural Subregion(s):

Athabasca Plain
Central Mixedwood
Kazan Uplands

River Basin(s):

Athabasca River

Area:

196,058.7 hectares

1,960.6 km²

**Density of
Human Features:**

Well **0.01** heads/km²

Road **0** km/km²

Pipeline **0** km/km²

ELEMENTS OF CONSERVATION CONCERN

Insects

Crimson-ringed whiteface

Liverworts

Gymnocolea inflata

Lophozia guttulata

Mammals

Woodland caribou -
boreal ecotype

Mosses

Cynodontium tenellum

Globe-fruited splachnum

Large-fruited splachnum

Racomitrium microcarpon

Vascular Plants

Large Canada St. John's-wort

Macloskey's violet

Northern quillwort

Pitcher-plant

Polypodium sibiricum

Short-tail rush

Vegetation Communities

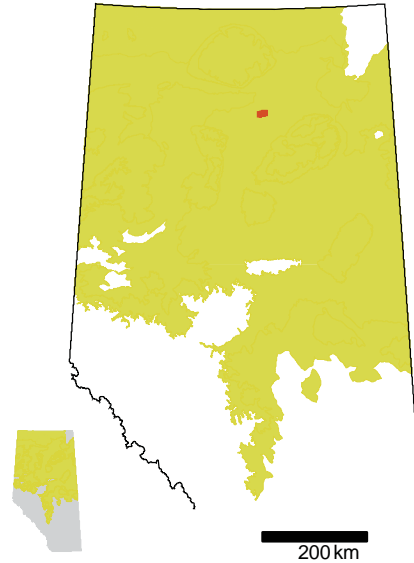
Bog rosemary / pitcher-plant /
peat moss

MUNICIPALITIES

Regional Municipality of
Wood Buffalo

CRITERION

- ☒ 1 Contains 1 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☒ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Harper Creek Natural Area



Boreal

ESA CHARACTERISTICS

Natural Region(s): Boreal
Natural Subregion(s): Central Mixedwood
River Basin(s): Peace/Slave River

Area:
 2,614.9 hectares
 26.1 km²
Density of Human Features:
 Well 0 heads/km²
 Road 0 km/km²
 Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

Mammals

Woodland caribou -
boreal ecotype

Vascular Plants

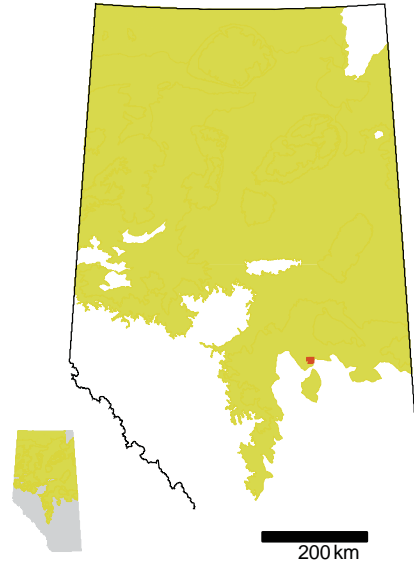
Salt-marsh sand spurry

MUNICIPALITIES

Municipal District of
Mackenzie No. 23

CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Redwater Natural Area



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Dry Mixedwood

River Basin(s):

North Saskatchewan
River

Area:

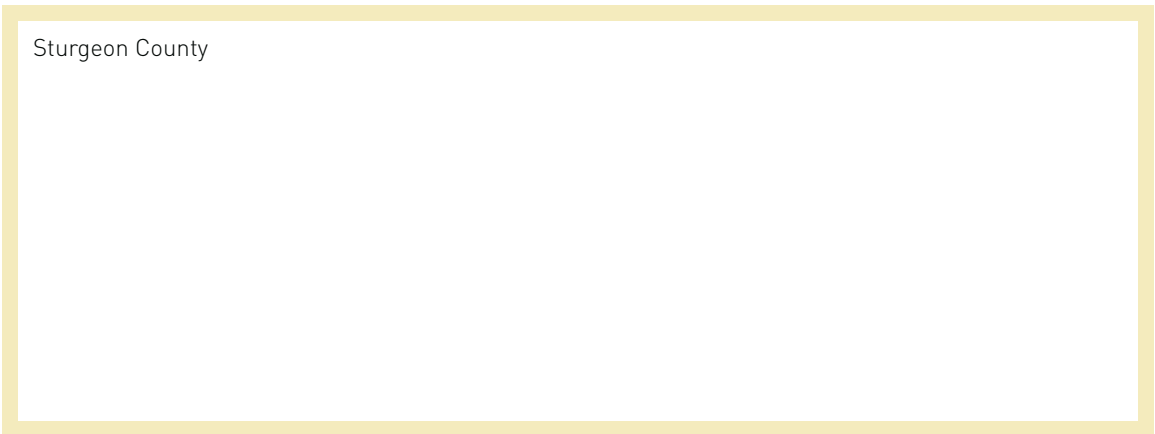
1,834.4 hectares

18.3 km²Density of
Human Features:Well 1.47 heads/km²Road 0.63 km/km²Pipeline 1.13 km/km²

ELEMENTS OF CONSERVATION CONCERN



MUNICIPALITIES



CRITERION

☒ **1 Contains 1 element(s) of conservation concern**

☒ **2 Contains rare or unique landforms**

McLennan Area non-patterned fens
without internal lawns, slope fens

☐ **3 Contains habitat for focal species**

☒ **4 Contains important wildlife habitat**

☐ **5 Contains riparian areas**

☐ **a** Contains headwater streams

☐ **b** Contains intact riparian areas

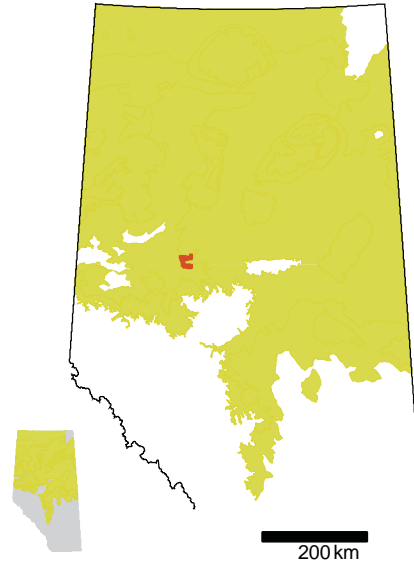
☐ **c** Contains riparian areas along
the six major rivers

☒ **6 Contains large natural areas**

☒ **7 Contains sites of recognized significance**

Winagami Lake Provincial Park

Winagami Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Dry Mixedwood

Central Mixedwood

River Basin(s):

Athabasca River

Peace/Slave River

Area:

15,392.5 hectares

153.9 km²

**Density of
Human Features:**

Well **0.14** heads/km²

Road **0.21** km/km²

Pipeline **0.11** km/km²

ELEMENTS OF CONSERVATION CONCERN

Mosses

Broken-leaf moss

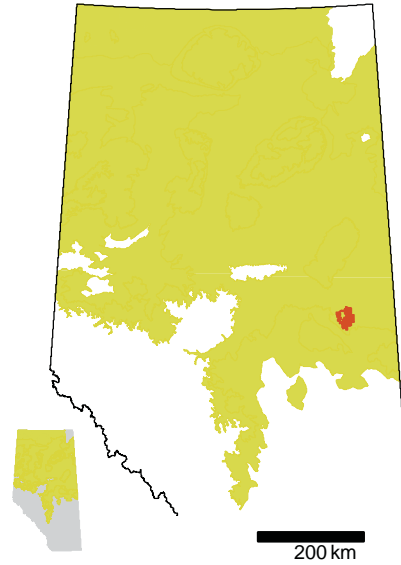
MUNICIPALITIES

Municipal District of Big Lakes

Municipal District of
Smoky River No. 130

CRITERION

- ☒ **1 Contains 12 element(s) of conservation concern**
- ☐ **2 Contains rare or unique landforms**
- ☐ **3 Contains habitat for focal species**
- ☒ **4 Contains important wildlife habitat**
- ☐ **5 Contains riparian areas**
 - ☐ **a** Contains headwater streams
 - ☐ **b** Contains intact riparian areas
 - ☐ **c** Contains riparian areas along the six major rivers
- ☒ **6 Contains large natural areas**
- ☒ **7 Contains sites of recognized significance**
 - Lakeland Important Bird Area
 - Lakeland Provincial Recreation Area



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):

Beaver River
Athabasca River

Area:

73,123.0 hectares

731.2 km²
**Density of
Human Features:**
Well **0.10** heads/km²Road **0.06** km/km²Pipeline **0.13** km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

Trumpeter swan

Liverworts

Anastrophyllum helleranum

Conocephalum conicum

Lophozia heterocolpos

Pellia endiviifolia

Riccardia multifida

Scapania apiculata

Mosses

Pseudoleskeella sibirica

Vascular Plants

Back's sedge

Lakeshore sedge

Meadow bitter cress

Slender-leaved sundew

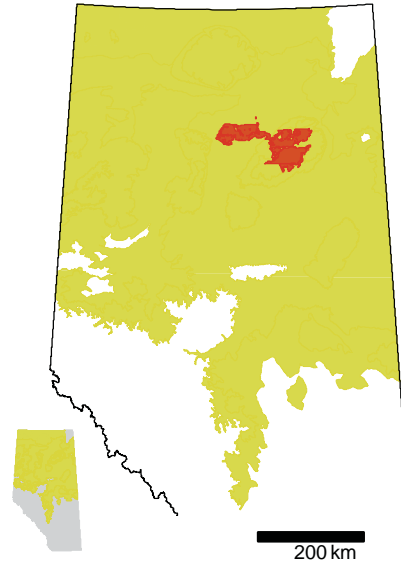
MUNICIPALITIES

Lakeland County

Municipal District of
Bonnyville No. 87

CRITERION

- ✓ 1 Contains 3 element(s) of conservation concern
- ✓ 2 Contains rare or unique landforms
Birch Mountains non-patterned fens with internal lawns, horizontal fens
- ✓ 3 Contains habitat for focal species
- ✓ 4 Contains important wildlife habitat
- ✓ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ✓ 6 Contains large natural areas
- ✓ 7 Contains sites of recognized significance
Birch Mountains Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):	Natural Subregion(s):	River Basin(s):
Boreal	Upper Boreal Highlands Central Mixedwood Lower Boreal Highlands	Peace/Slave River Athabasca River

Area:
581,688.3 hectares
5,816.9 km ²
Density of Human Features:
Well 0.01 heads/km ²
Road 0 km/km ²
Pipeline 0 km/km ²

ELEMENTS OF CONSERVATION CONCERN

Birds

American white pelican

Caspian tern

Mammals

Woodland caribou -
boreal ecotype

Mosses

Fringed bog moss

MUNICIPALITIES

Regional Municipality
of Wood Buffalo

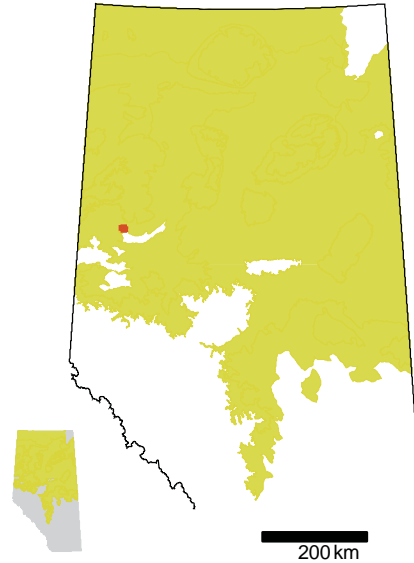
Municipal District of
Mackenzie No. 23

Municipal District of
Opportunity No. 17

Improvement District
No. 24 (Wood Buffalo)

CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☐ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Sand Lake Natural Area



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Dry Mixedwood

River Basin(s):

Peace/Slave River

Area:

2,897.4 hectares

29.0 km²

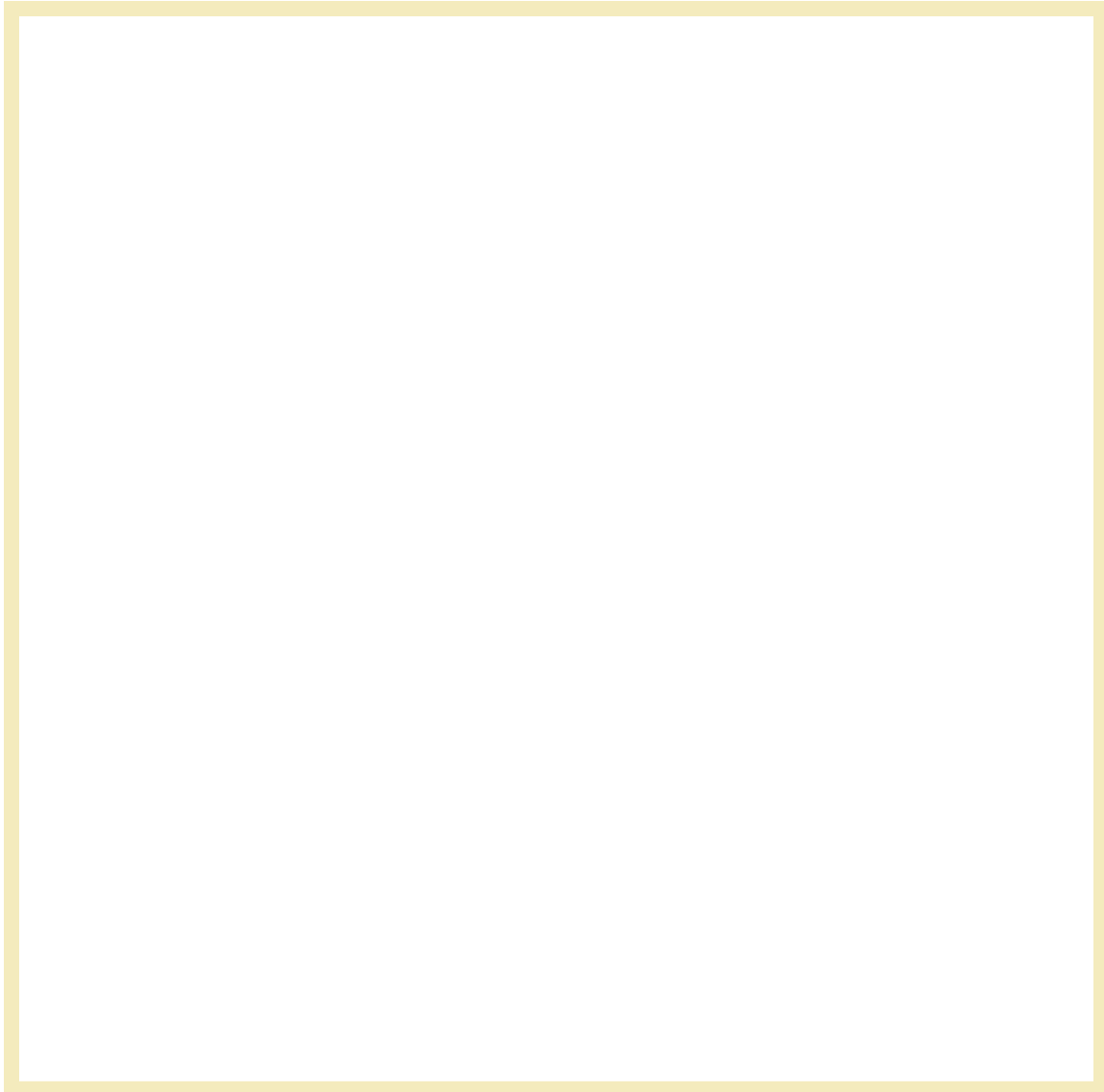
Density of Human Features:

Well 0.03 heads/km²

Road 0.24 km/km²

Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN



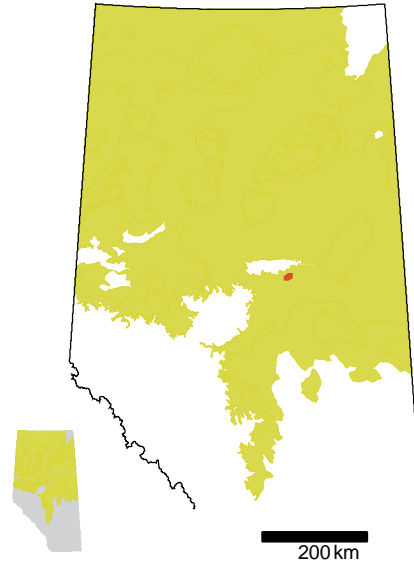
MUNICIPALITIES

Municipal District of
Clear Hills No. 21

Municipal District of
Fairview No. 136

CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☒ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Otter-Orloff Lakes Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):

Athabasca River

Area:

6,972.5 hectares

69.7 km²

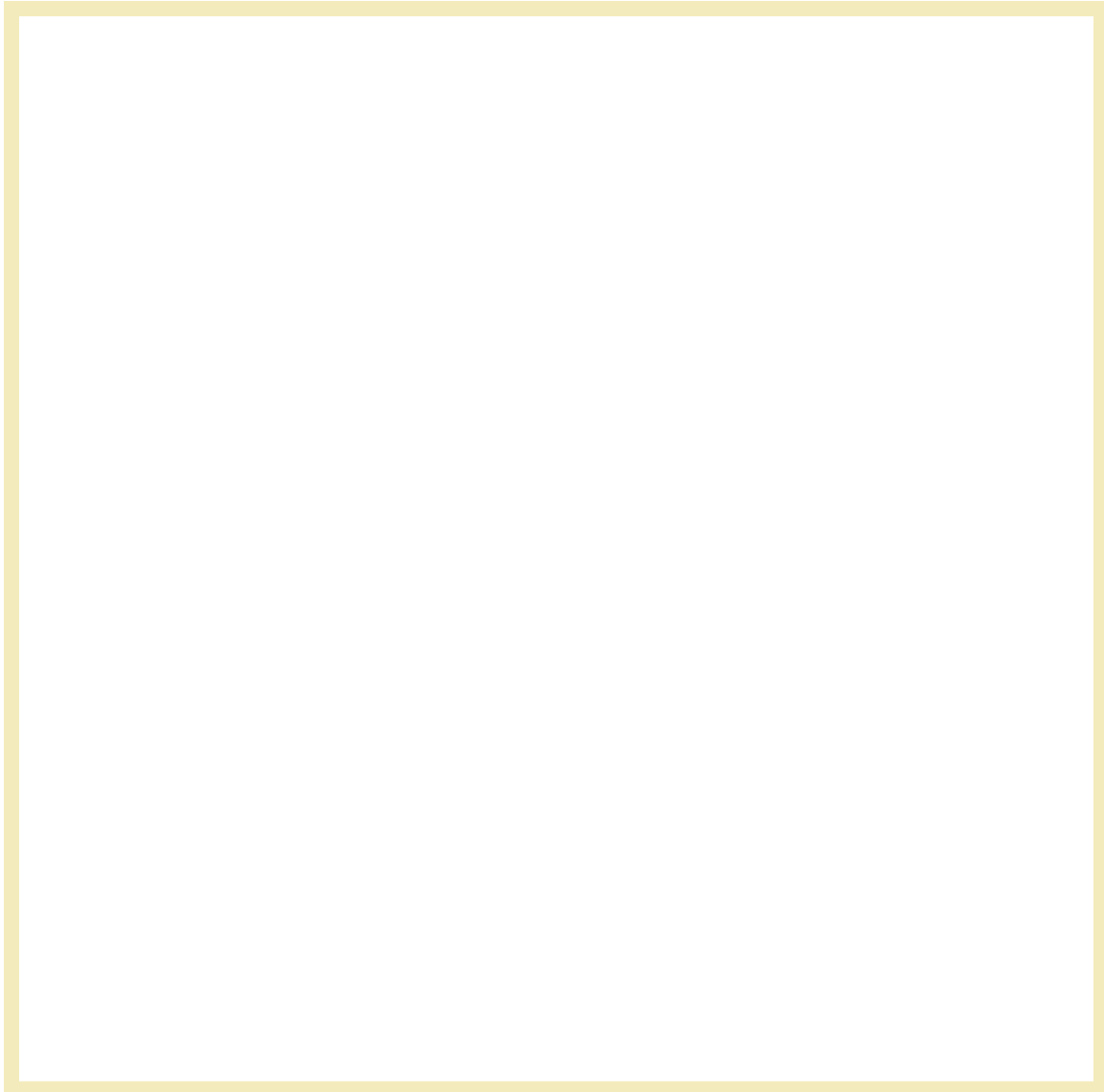
Density of Human Features:

Well 0.19 heads/km²

Road 0 km/km²

Pipeline 0.09 km/km²

ELEMENTS OF CONSERVATION CONCERN



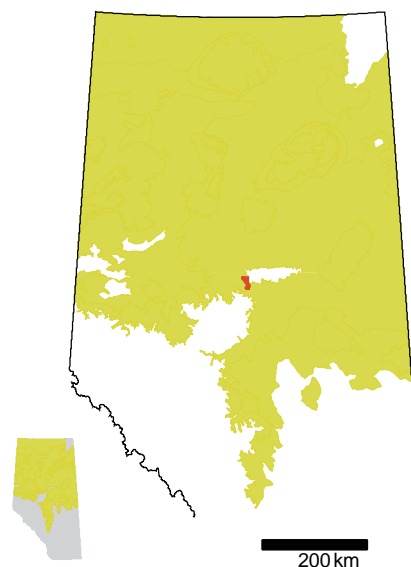
MUNICIPALITIES

Municipal District of
Lesser Slave River No. 124

Municipal District of
Opportunity No. 17

CRITERION

- ☒ **1 Contains 11 element(s) of conservation concern**
- ☐ **2 Contains rare or unique landforms**
- ☐ **3 Contains habitat for focal species**
- ☐ **4 Contains important wildlife habitat**
- ☐ **5 Contains riparian areas**
 - ☐ **a** Contains headwater streams
 - ☐ **b** Contains intact riparian areas
 - ☐ **c** Contains riparian areas along the six major rivers
- ☐ **6 Contains large natural areas**
- ☒ **7 Contains sites of recognized significance**
 - Lesser Slave Lake Important Bird Area
 - Lesser Slave Lake Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal
Foothills

Natural Subregion(s):

Central Mixedwood
Lower Foothills

River Basin(s):

Athabasca River

Area:

7,592.3 hectares
75.9 km²

Density of Human Features:

Well **1.16** heads/km²
Road **0.64** km/km²
Pipeline **0.69** km/km²

ELEMENTS OF CONSERVATION CONCERN

Liverworts

Blasia pusilla

Conocephalum conicum

Pellia epiphylla

Pellia neesiana

Ricciocarpos natans

Mosses

Brachythecium rutabulum

Fringed bog moss

Pohlia bulbifera

Vascular Plants

Leather grape fern

Sitka willow

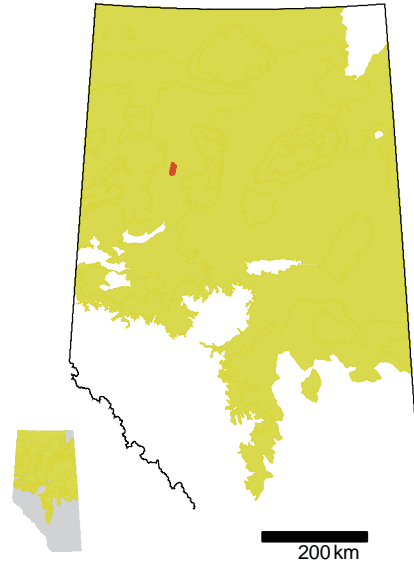
White adder's-mouth

MUNICIPALITIES

Municipal District of
Lesser Slave River No. 124

CRITERION

- ☒ 1 Contains **3** element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☒ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
Notikewin Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Dry Mixedwood

River Basin(s):

Peace/Slave River

Area:

10,116.4 hectares

101.2 km²Density of
Human Features:Well 0.01 heads/km²Road 0.01 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

Fish

Northern squawfish

Prickly sculpin

Vascular Plants

Spotted Joe-pye weed

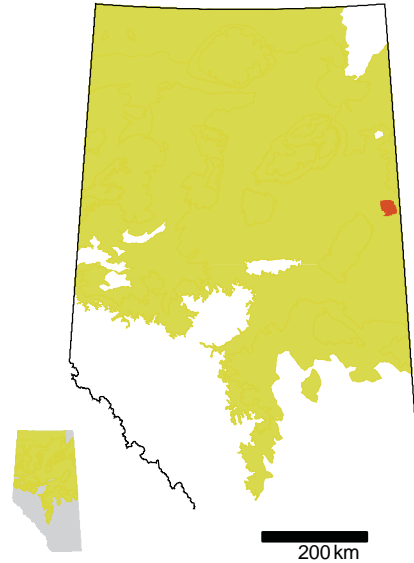
MUNICIPALITIES

Municipal District
of Northern Lights No. 22

Northern Sunrise County

CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☒ 3 Contains habitat for focal species
- ☒ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Gipsy Lake Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):

Athabasca River

Area:

35,858.8 hectares

358.6 km²Density of
Human Features:Well 0 heads/km²Road 0 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

Mammals

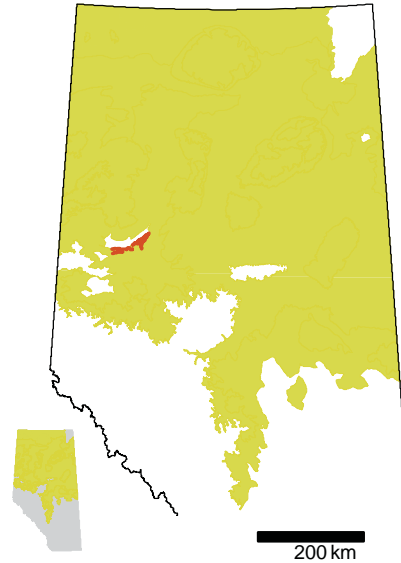
Woodland caribou -
boreal ecotype

MUNICIPALITIES

Regional Municipality
of Wood Buffalo

CRITERION

- ☒ **1 Contains 4 element(s) of conservation concern**
- ☒ **2 Contains rare or unique landforms**
Peace River Town debris slides
- ☐ **3 Contains habitat for focal species**
- ☐ **4 Contains important wildlife habitat**
- ☒ **5 Contains riparian areas**
 - ☐ **a** Contains headwater streams
 - ☒ **b** Contains intact riparian areas
 - ☒ **c** Contains riparian areas along the six major rivers
- ☒ **6 Contains large natural areas**
- ☒ **7 Contains sites of recognized significance**
Peace River Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal
Parkland

Natural Subregion(s):

Dry Mixedwood
Peace River Parkland

River Basin(s):

Peace/Slave River

Area:

24,556.8 hectares
245.6 km²

Density of
Human Features:

Well **0.12** heads/km²
Road **0.03** km/km²
Pipeline **0.03** km/km²

ELEMENTS OF CONSERVATION CONCERN

Fish

Largescale sucker

Northern squawfish

Insects

Carlota checkerspot

Pike's old world swallowtail

MUNICIPALITIES

Birch Hills County

Northern Sunrise County

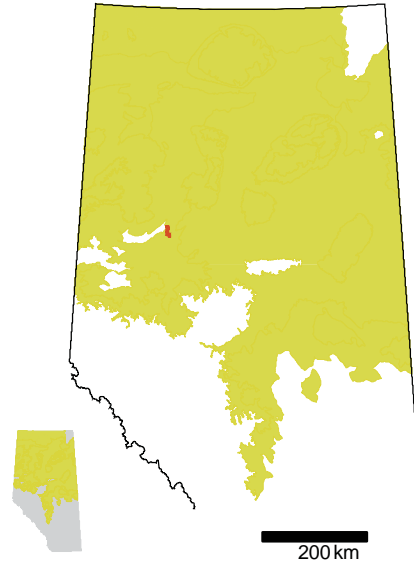
Municipal District of
Smoky River No. 130

Municipal District of
Peace No. 135

Municipal District of
Fairview No. 136

CRITERION

- ☒ 1 Contains 1 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☐ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Greene Valley Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s): Boreal
Natural Subregion(s): Dry Mixedwood
River Basin(s): Peace/Slave River

Area:
 3,188.8 hectares
 31.9 km²
Density of Human Features:
 Well 0.03 heads/km²
 Road 0.01 km/km²
 Pipeline 0.03 km/km²

ELEMENTS OF CONSERVATION CONCERN

Insects

Pike's old world swallowtail

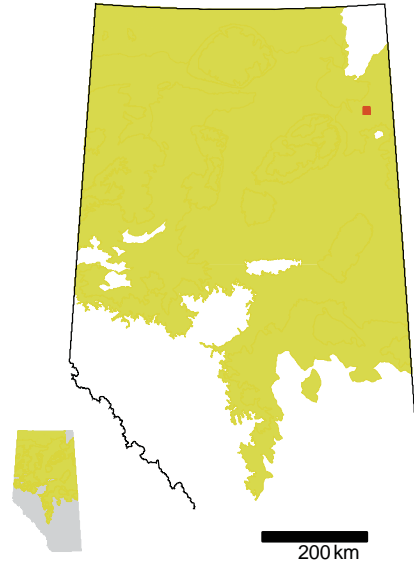
MUNICIPALITIES

Northern Sunrise County

Municipal District of
Peace No. 135

CRITERION

- ☒ **1 Contains 15 element(s) of conservation concern**
- ☒ **2 Contains rare or unique landforms**
Lake Athabasca Area dunes, parabolic dunes
- ☐ **3 Contains habitat for focal species**
- ☒ **4 Contains important wildlife habitat**
- ☐ **5 Contains riparian areas**
 - ☐ **a** Contains headwater streams
 - ☐ **b** Contains intact riparian areas
 - ☐ **c** Contains riparian areas along the six major rivers
- ☒ **6 Contains large natural areas**
- ☒ **7 Contains sites of recognized significance**
Athabasca Dunes Ecological Reserve



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Athabasca Plain

River Basin(s):

Athabasca River

Area:

3,839.7 hectares

38.4 km²Density of
Human Features:Well 0 heads/km²Road 0.07 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

Arctic tern

Mosses

Sphagnum platyphyllum

Vascular Plants

Blunt-leaved pondweed

Bog club-moss

Horned bladderwort

Indian tansy

Large Canada St. John's-wort

Pitcher-plant

Pygmy water-lily

Sand-dune chickweed

Short-tail rush

Slender-leaved sundew

Tyrrell's willow

Watershield

Vegetation Communities

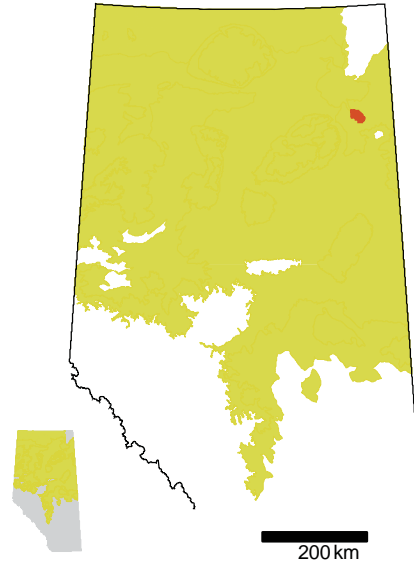
Bog rosemary / pitcher-plant /
peat moss

MUNICIPALITIES

Regional Municipality of Wood
Buffalo

CRITERION

- ☒ **1 Contains 9 element(s) of conservation concern**
- ☒ **2 Contains rare or unique landforms**
Lake Athabasca Area dunes, parabolic dunes
- ☐ **3 Contains habitat for focal species**
- ☐ **4 Contains important wildlife habitat**
- ☒ **5 Contains riparian areas**
 - ☐ **a** Contains headwater streams
 - ☒ **b** Contains intact riparian areas
 - ☒ **c** Contains riparian areas along the six major rivers
- ☒ **6 Contains large natural areas**
- ☒ **7 Contains sites of recognized significance**
Richardson River Dunes Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Athabasca Plain
Peace-Athabasca
Delta

River Basin(s):

Athabasca River

Area:

31,138.1 hectares

311.4 km²Density of
Human Features:Well 0 heads/km²Road 0.07 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

Mosses

Hygroamblystegium tenax

Neat bog moss

Vascular Plants

Capitate sedge

Few-fruited sedge

Macloskey's violet

Sand-dune chickweed

Vegetation Communities

Cyperus-like sedge - water arum

Few-fruited sedge /
twisted bog moss

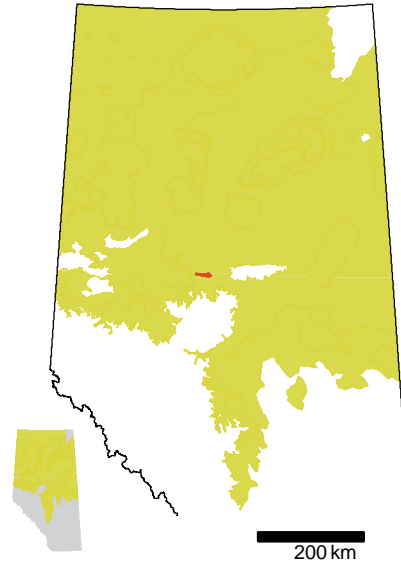
Leatherleaf - northern laurel /
green reindeer lichen

MUNICIPALITIES

Regional Municipality
of Wood Buffalo

CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☐ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Lesser Slave Lake Important Bird Area
 - Lesser Slave Lake Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):


Athabasca River

Area:

3,582.0 hectares


35.8 km²Density of
Human Features:Well 0.06 heads/km²Road 0.11 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

A large, empty rectangular box with a thin yellow border, intended for mapping or drawing elements of conservation concern.

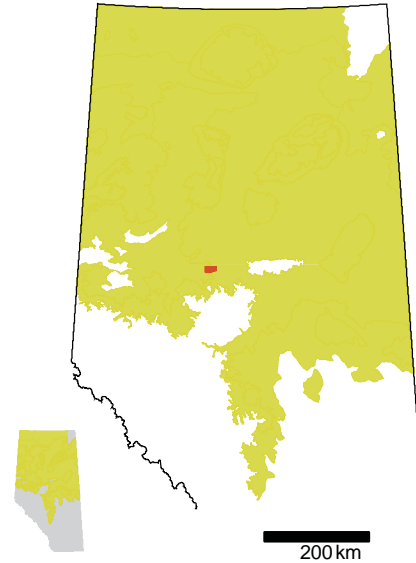
MUNICIPALITIES

Municipal District of Big Lakes

A large, empty rectangular box with a thin yellow border, intended for mapping or drawing municipalities. The text "Municipal District of Big Lakes" is written in the top left corner of the box.

CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Hilliard's Bay Provincial Park
 - Lesser Slave Lake Important Bird Area



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Dry Mixedwood
Central Mixedwood

River Basin(s):


Athabasca River

Area:

2,331.8 hectares

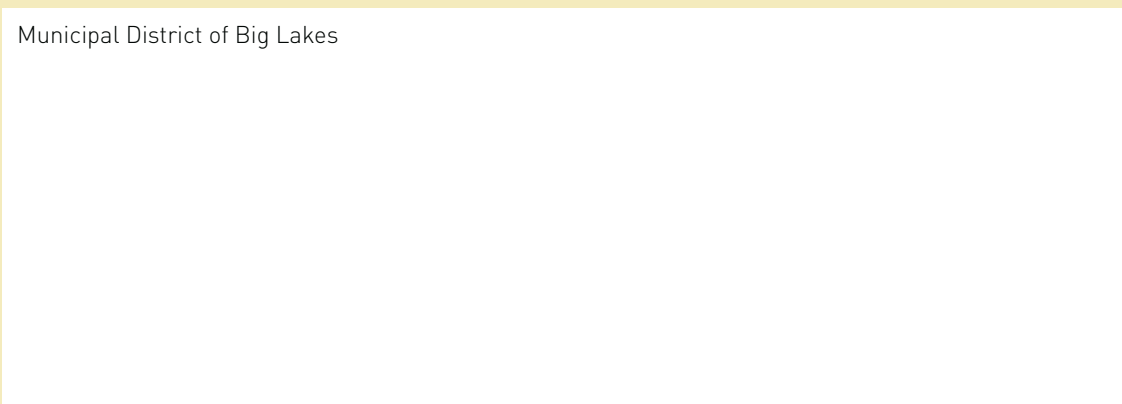
23.3 km²Density of
Human Features:Well 0.04 heads/km²Road 0.44 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN



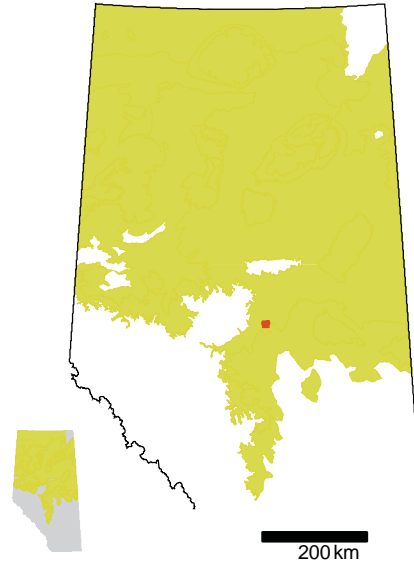
MUNICIPALITIES

Municipal District of Big Lakes



CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☒ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☒ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Hubert Lake Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood
Dry Mixedwood

River Basin(s):

Athabasca River

Area:

9,664.0 hectares

96.6 km²Density of
Human Features:Well 0.21 heads/km²Road 0.05 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

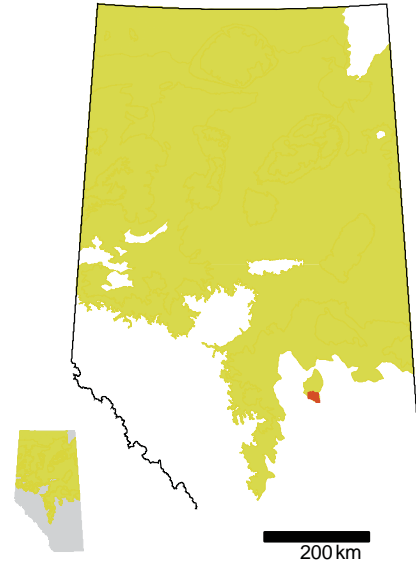


MUNICIPALITIES

Westlock County
Municipal District of
Lesser Slave River No. 124
Woodlands County

CRITERION

- ☒ 1 Contains 9 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☒ 3 Contains habitat for focal species
- ☒ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Ministik, Joseph and Oliver Lakes Important Bird Area
 - Miquelon Lake Important Bird Area
 - Miquelon Lake Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal
Parkland

Natural Subregion(s):

Dry Mixedwood
Central Parkland

River Basin(s):

North Saskatchewan
River

Area:

27,238.9 hectares
272.4 km²

Density of
Human Features:

Well 0.66 heads/km²
Road 0.87 km/km²
Pipeline 0.20 km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

American white pelican
Ferruginous hawk
Piping plover
Western burrowing owl

Insects

Dot-tailed whiteface
Northern pearly-eye

Mammals

Northern long-eared bat

Mosses

Campylium radicale

Vascular Plants

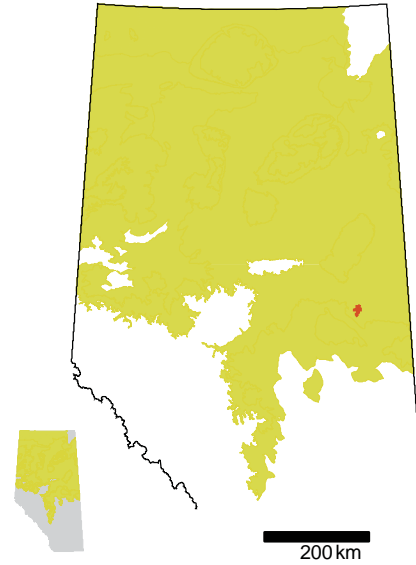
Back's sedge
Watermeal
Widgeon-grass

MUNICIPALITIES

County of Camrose No. 22
Beaver County
Leduc County
Strathcona County

CRITERION

- ☒ 1 Contains 2 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Lakeland Important Bird Area
 - Lakeland Provincial Recreation Area



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):

Athabasca River
Beaver River

Area:

14,766.2 hectares

147.7 km²

Density of
Human Features:

Well 0.02 heads/km²

Road 0.02 km/km²

Pipeline 0.03 km/km²

ELEMENTS OF CONSERVATION CONCERN

Liverworts

Scapania apiculata

Vascular Plants

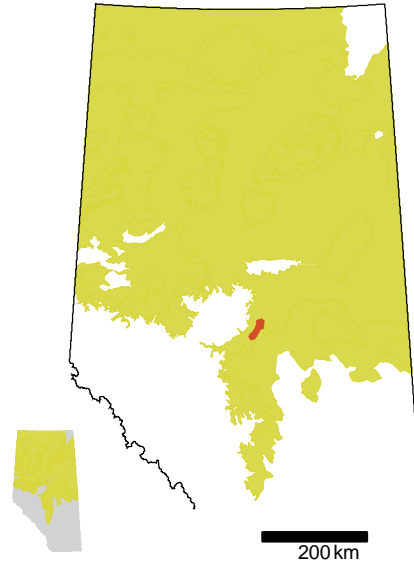
White adder's-mouth

MUNICIPALITIES

Lakeland County

CRITERION

- ☒ **1 Contains 9 element(s) of conservation concern**
- ☒ **2 Contains rare or unique landforms**
Fort Assiniboine Sand Hills dunes,
transverse dunes
- ☒ **3 Contains habitat for focal species**
- ☐ **4 Contains important wildlife habitat**
- ☒ **5 Contains riparian areas**
 - ☐ **a** Contains headwater streams
 - ☒ **b** Contains intact riparian areas
 - ☒ **c** Contains riparian areas along
the six major rivers
- ☒ **6 Contains large natural areas**
- ☒ **7 Contains sites of recognized significance**
Fort Assiniboine Sandhills Wildland
Provincial Park
Hubert Lake Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood
Dry Mixedwood

River Basin(s):

Athabasca River

Area:

40,769.2 hectares

407.7 km²Density of
Human Features:Well **0.23** heads/km²Road **0.26** km/km²Pipeline **0.02** km/km²

ELEMENTS OF CONSERVATION CONCERN

Mammals

Woodland caribou -
boreal ecotype

Mosses

Brachythecium rutabulum

Campylium radicale

Entodon concinnus

Entodon schleicheri

Zygodon viridissimus

Vascular Plants

Aster x maccallae

Lakeshore sedge

White adder's-mouth

Vegetation Communities

Drummond's willow /
small-fruited bulrush - bluejoint

MUNICIPALITIES

Woodlands County

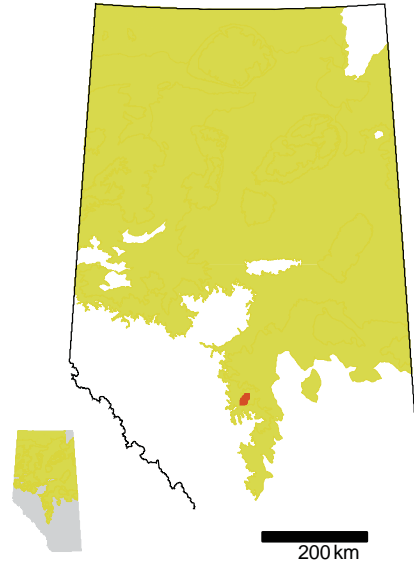
County of Barrhead No. 11

Westlock County

Municipal District of
Lesser Slave River No. 124

CRITERION

- ☒ 1 Contains 4 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☒ c Contains riparian areas along the six major rivers
- ☐ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Eagle Point Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Dry Mixedwood
Central Mixedwood

River Basin(s):

North Saskatchewan
River

Area:

1,961.7 hectares

19.6 km²

Density of
Human Features:

Well 1.43 heads/km²Road 0.57 km/km²Pipeline 0.40 km/km²

ELEMENTS OF CONSERVATION CONCERN

Fish

Lake Sturgeon

Silver redhorse

Vascular Plants

Tall blue lettuce

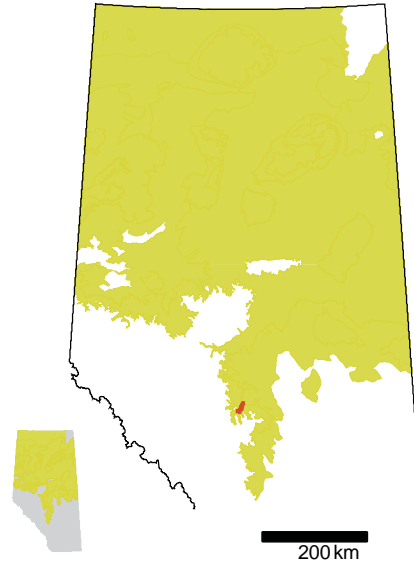
White adder's-mouth

MUNICIPALITIES

Brazeau County

CRITERION

- ☒ 1 Contains 4 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☒ c Contains riparian areas along the six major rivers
- ☐ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
Blue Rapids Provincial Recreation Area



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood
Dry Mixedwood

River Basin(s):

North Saskatchewan
River

Area:

3,622.8 hectares

36.2 km²Density of
Human Features:Well 4.20 heads/km²Road 1.47 km/km²Pipeline 1.78 km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

Peregrine falcon

Fish

Lake Sturgeon

Silver redhorse

Vascular Plants

Tall blue lettuce

MUNICIPALITIES

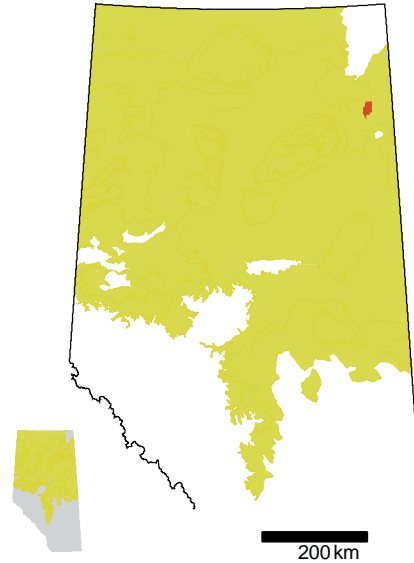
Brazeau County

County of Wetaskiwin No. 10

Clearwater County

CRITERION

- ☒ **1 Contains 13 element(s) of conservation concern**
- ☒ **2 Contains rare or unique landforms**
Lake Athabasca Area dunes, parabolic dunes
- ☐ **3 Contains habitat for focal species**
- ☐ **4 Contains important wildlife habitat**
- ☐ **5 Contains riparian areas**
 - ☐ **a** Contains headwater streams
 - ☐ **b** Contains intact riparian areas
 - ☐ **c** Contains riparian areas along the six major rivers
- ☒ **6 Contains large natural areas**
- ☒ **7 Contains sites of recognized significance**
Maybelle River Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Athabasca Plain

River Basin(s):

Athabasca River

Area:

15,105.7 hectares

151.1 km²Density of
Human Features:Well 0 heads/km²Road 0.06 km/km²Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

Insects

River jewelwing

Liverworts

Gymnocolea inflata

Vascular Plants

Blunt-leaved pondweed

Bog club-moss

Ground-fir

Horned bladderwort

Indian tansy

Large Canada St. John's-wort

Macloskey's violet

Mountain club-moss

Sand-dune chickweed

Short-tail rush

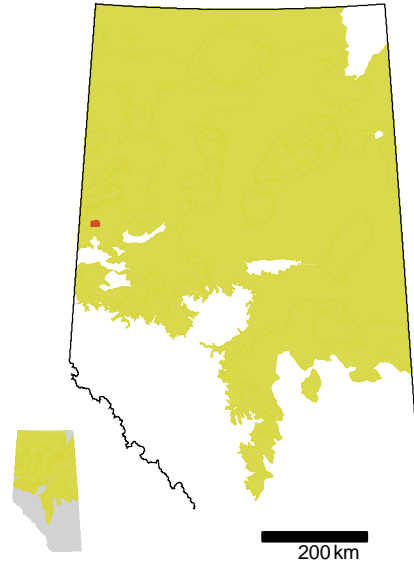
Slender-leaved sundew

MUNICIPALITIES

Regional Municipality
of Wood Buffalo

CRITERION

- ☒ 1 Contains 3 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☒ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Silver Valley Ecological Reserve



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Dry Mixedwood

River Basin(s):

Peace/Slave River

Area:

1,863.1 hectares

18.6 km²

Density of Human Features:

Well 0 heads/km²

Road 0 km/km²

Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

Fish

Largescale sucker

Northern squawfish

Vascular Plants

Wavy-leaved chickweed

MUNICIPALITIES

Saddle Hills County

Municipal District
of Clear Hills No. 21

CRITERION

☒ **1 Contains 27 element(s) of conservation concern**

☒ **2 Contains rare or unique landforms**

Cooking Lake Area megablocks

☒ **3 Contains habitat for focal species**

☒ **4 Contains important wildlife habitat**

☐ **5 Contains riparian areas**

☐ **a** Contains headwater streams

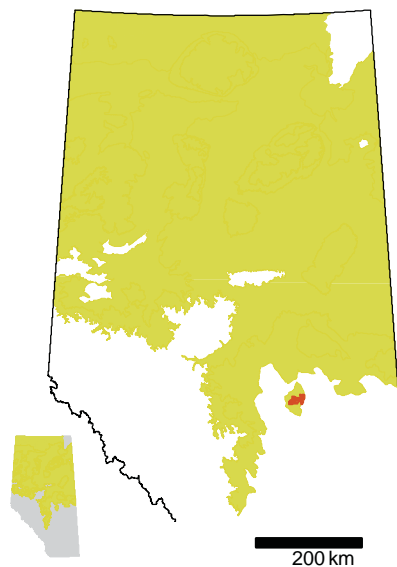
☐ **b** Contains intact riparian areas

☐ **c** Contains riparian areas along the six major rivers

☒ **6 Contains large natural areas**

☒ **7 Contains sites of recognized significance**

Cooking Lake-Blackfoot Provincial Recreation Area



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal
Parkland

Natural Subregion(s):

Dry Mixedwood
Central Parkland

River Basin(s):

North Saskatchewan
River

Area:

32,950.9 hectares

329.5 km²

Density of Human Features:

Well **0.17** heads/km²

Road **1.02** km/km²

Pipeline **0.28** km/km²

ELEMENTS OF CONSERVATION CONCERN

Amphibians and Reptiles

Leopard frog

Birds

American white pelican

Ferruginous hawk

Trumpeter swan

Western burrowing owl

Insects

Northern pearly-eye

Mosses

Bryum cyclophyllum

Campylium radicale

Conardia compacta

Cuspidate earth moss

Drepanocladus crassicoatus

Green-cushioned weissia

Long-stalked beardless moss

Rhizomnium andrewsianum

Urn moss

Vascular Plants

Back's sedge

Blunt-leaved pondweed

Clinton's bulrush

Crested shield fern

Flat-topped white aster

Fox sedge

Leafy pondweed

Leather grape fern

Linear-leaved pondweed

Macloskey's violet

Slender naiad

Watermeal

White adder's-mouth

Vegetation Communities

Alaska birch / common

Labrador tea

MUNICIPALITIES

Beaver County

Strathcona County

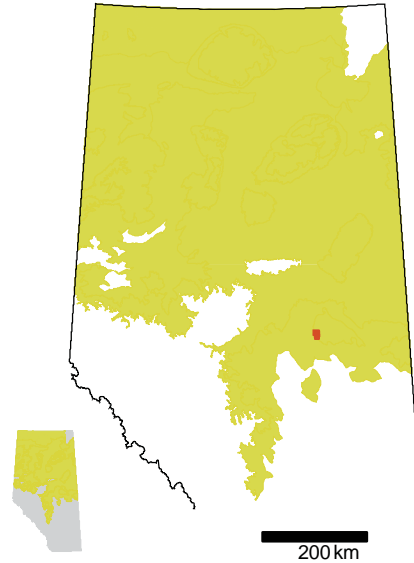
Lamont County

Improvement District

No. 13 (Elk Island)

CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☐ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - White Earth Valley Natural Area



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):


Beaver River
North Saskatchewan
River

Area:

2,013.6 hectares


20.1 km²Density of
Human Features:Well 0.10 heads/km²Road 0.12 km/km²Pipeline 0.02 km/km²

ELEMENTS OF CONSERVATION CONCERN



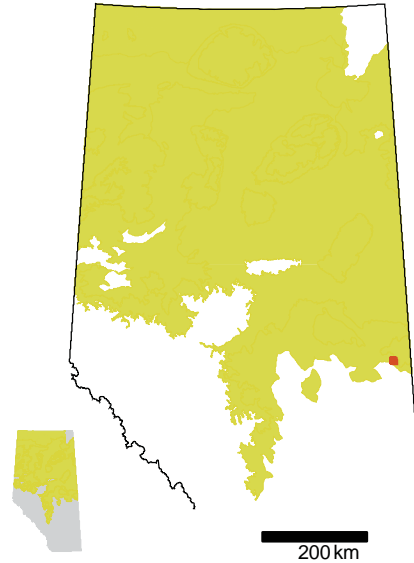
MUNICIPALITIES

County of Thorhild No. 7



CRITERION

- ☒ 1 Contains 2 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☒ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☐ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
Whitney Lakes Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Dry Mixedwood

River Basin(s):

North Saskatchewan
River

Area:

3,037.0 hectares

30.4 km²Density of
Human Features:Well 0.10 heads/km²Road 1.04 km/km²Pipeline 0.07 km/km²

ELEMENTS OF CONSERVATION CONCERN

Insects

Northern pearly-eye

Vascular Plants

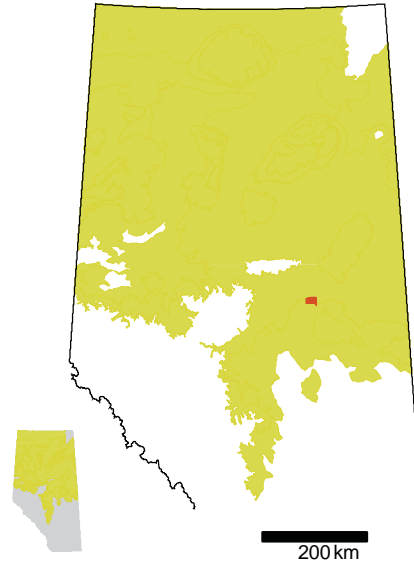
Long-leaved bluets

MUNICIPALITIES

County of St. Paul No. 19

CRITERION

- ☒ 1 Contains 3 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☒ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Poacher's Landing Provincial Recreation Area



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood
Dry Mixedwood

River Basin(s):

Athabasca River

Area:

1,749.1 hectares

17.5 km²

Density of
Human Features:

Well 0.06 heads/km²

Road 0.32 km/km²

Pipeline 0.11 km/km²

ELEMENTS OF CONSERVATION CONCERN

Vascular Plants

False dragonhead

Fox sedge

White adder's-mouth

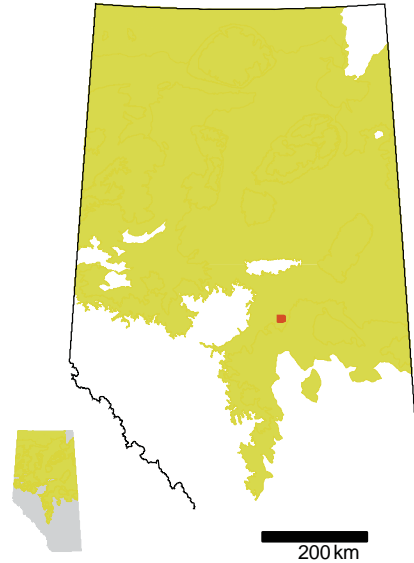
MUNICIPALITIES

County of Athabasca No. 12

Municipal District
of Opportunity No. 17

CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☐ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Cross Lake Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):

Athabasca River

Area:

2,048.1 hectares

20.5 km²

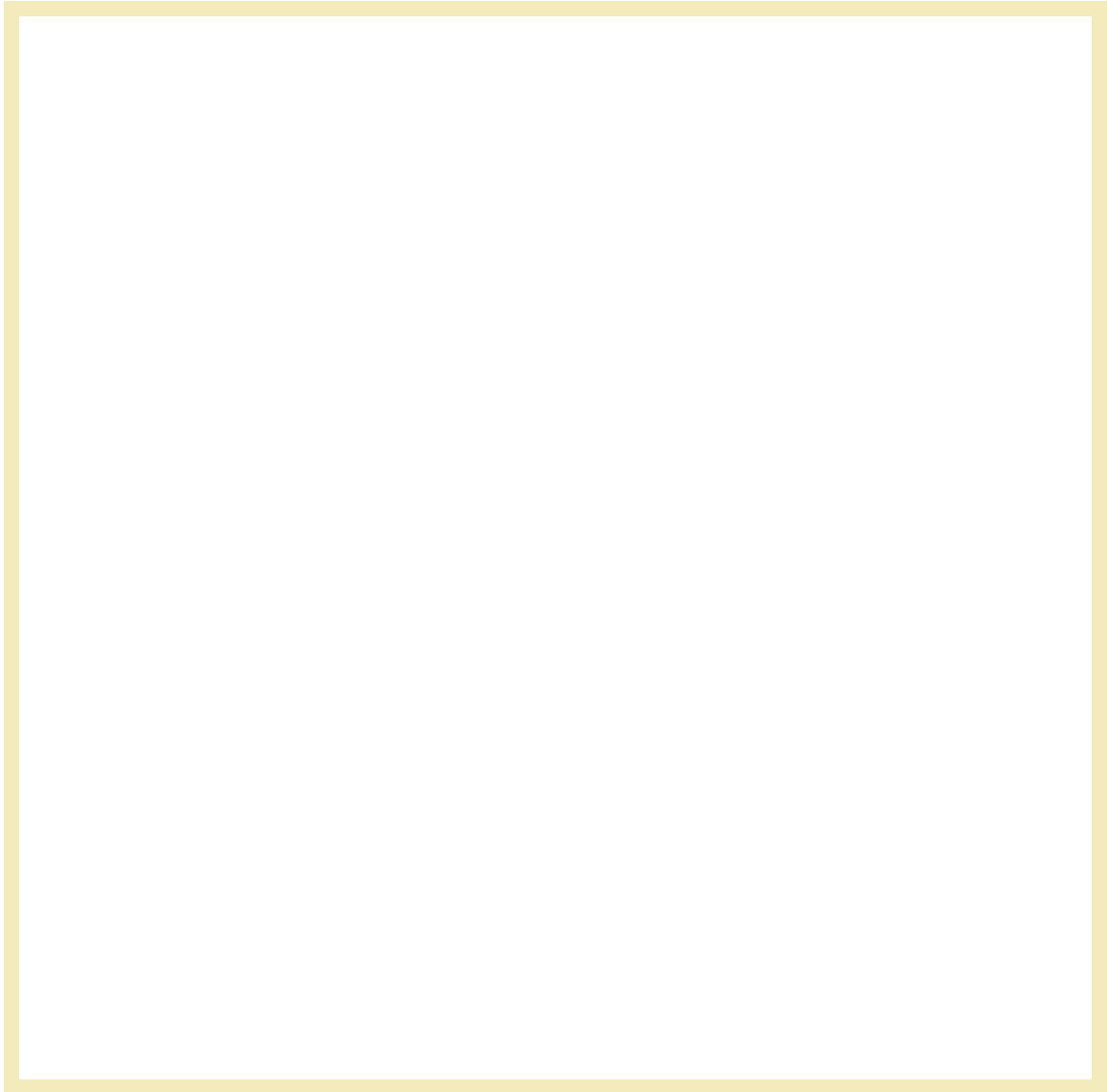
Density of Human Features:

Well 0.20 heads/km²

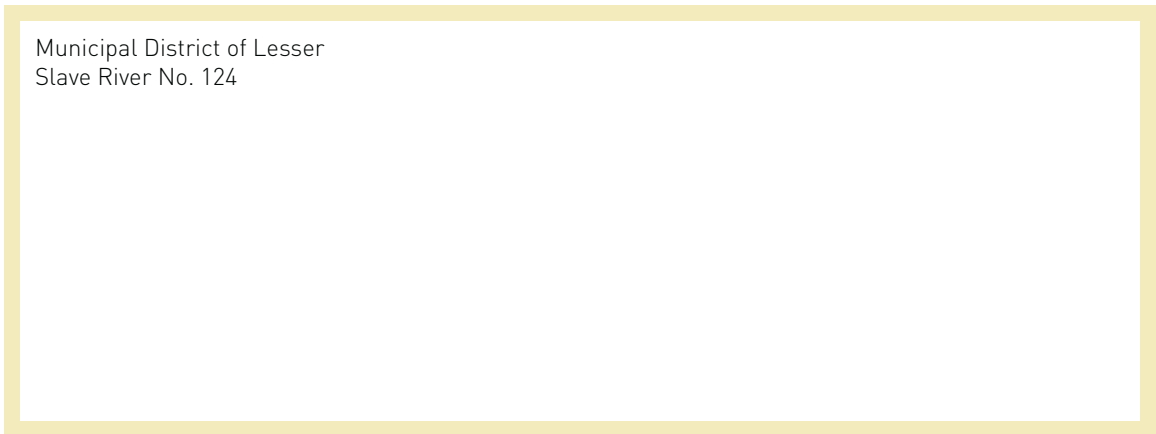
Road 0.06 km/km²

Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

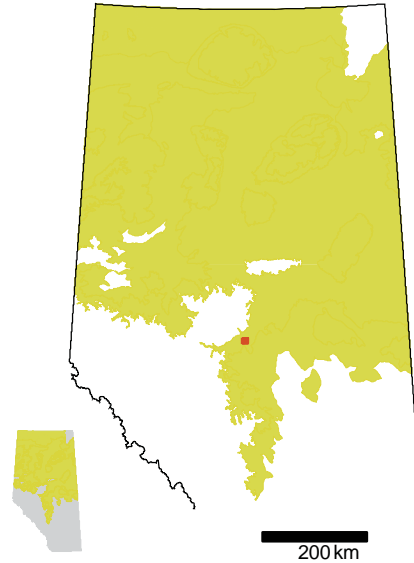


MUNICIPALITIES



CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☐ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Holmes Crossing Sandhills Ecological Reserve



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):

Athabasca River

Area:

2,005.6 hectares

20.1 km²

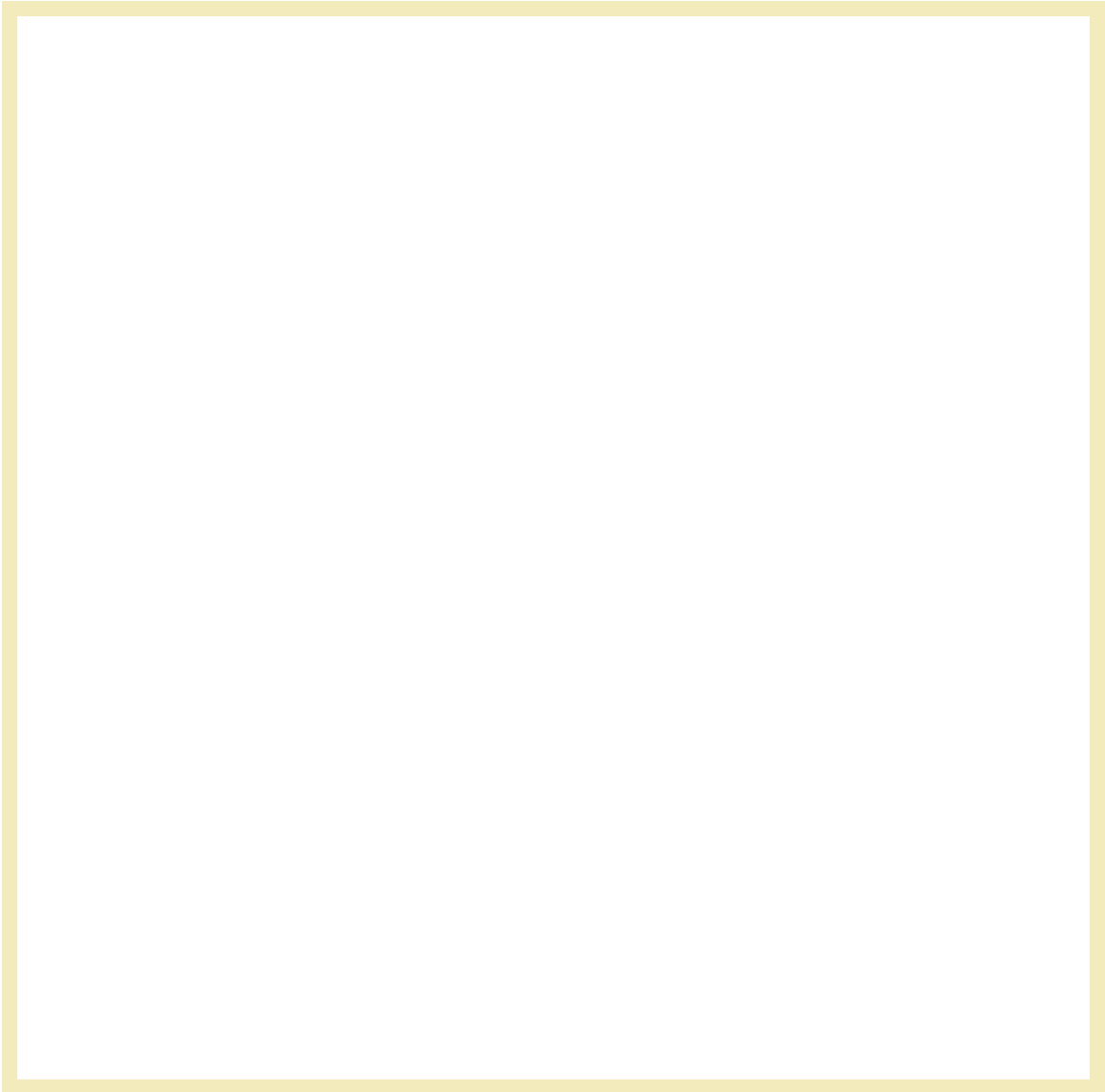
Density of Human Features:

Well 0.10 heads/km²

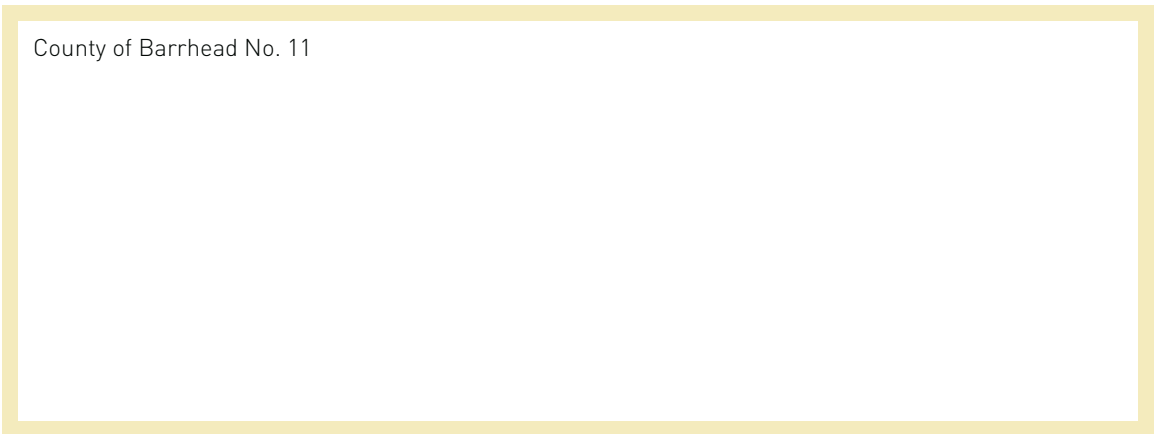
Road 0.57 km/km²

Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

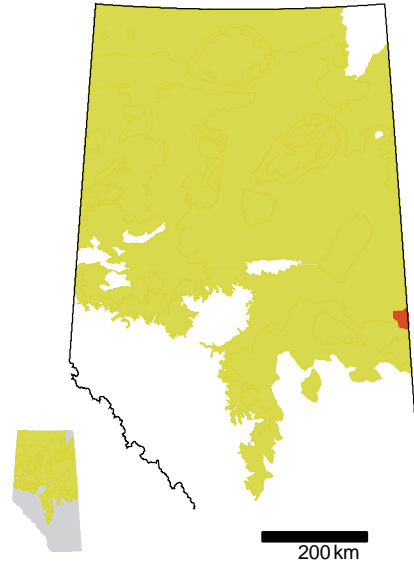


MUNICIPALITIES



CRITERION

- ☒ **1 Contains 4 element(s) of conservation concern**
- ☒ **2 Contains rare or unique landforms**
 - Cold Lake Area baymouth bars
 - Cold Lake ice scour lakes
- ☐ **3 Contains habitat for focal species**
- ☒ **4 Contains important wildlife habitat**
- ☐ **5 Contains riparian areas**
 - ☐ **a** Contains headwater streams
 - ☐ **b** Contains intact riparian areas
 - ☐ **c** Contains riparian areas along the six major rivers
- ☐ **6 Contains large natural areas**
- ☒ **7 Contains sites of recognized significance**
 - Cold Lake Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood
Dry Mixedwood

River Basin(s):

Beaver River

Area:

39,751.9 hectares
397.5 km²

**Density of
Human Features:**

Well **0.14** heads/km²
Road **0.21** km/km²
Pipeline **0.05** km/km²

ELEMENTS OF CONSERVATION CONCERN

Fish

Logperch

Insects

Hobomok skipper

Northern pearly-eye

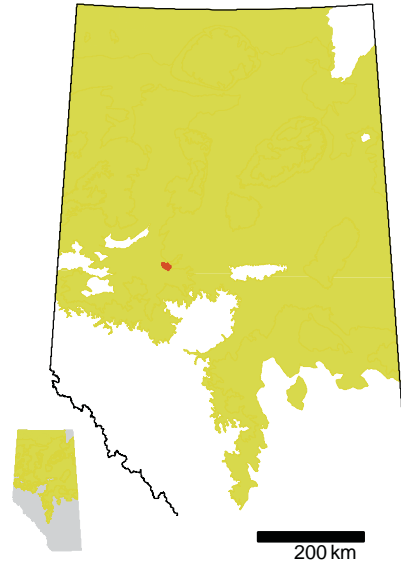
River jewelwing

MUNICIPALITIES

Municipal District
of Bonnyville No. 87

CRITERION

- ☒ 1 Contains 1 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☒ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☐ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Winagami Lake Provincial Park
 - Winagami Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):	Natural Subregion(s):	River Basin(s):
Boreal	Dry Mixedwood	Athabasca River

Area:
7,484.4 hectares
74.8 km²

Density of Human Features:
 Well **0.03** heads/km²
 Road **0.08** km/km²
 Pipeline **0** km/km²

ELEMENTS OF CONSERVATION CONCERN

Mosses

Broken-leaf moss

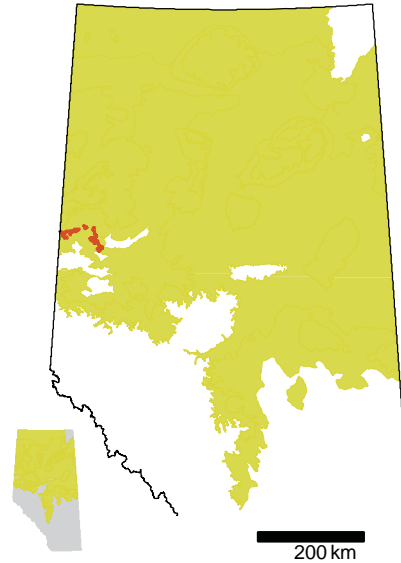
MUNICIPALITIES

Municipal District of Big Lakes

Municipal District
of Smoky River No. 130

CRITERION

- ☒ 1 Contains 3 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☒ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Dunvegan West Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal
Parkland

Natural Subregion(s):

Dry Mixedwood
Peace River Parkland

River Basin(s):

Peace/Slave River

Area:

21,039.9 hectares
210.4 km²

Density of
Human Features:

Well 0.16 heads/km²
Road 0.01 km/km²
Pipeline 0.02 km/km²

ELEMENTS OF CONSERVATION CONCERN

Fish

Largescale sucker

Northern squawfish

Insects

Pike's old world swallowtail

MUNICIPALITIES

Saddle Hills County

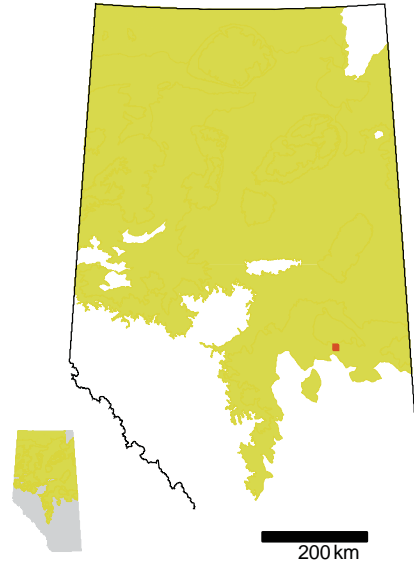
Municipal District
of Spirit River No. 133

Municipal District
of Fairview No. 136

Municipal District
of Clear Hills No. 21

CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☐ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
Bellis North Natural Area



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Dry Mixedwood

River Basin(s):

North Saskatchewan
River

Area:

1,109.3 hectares


11.1 km²Density of
Human Features:Well 0.36 heads/km²Road 0.50 km/km²Pipeline 0.53 km/km²

ELEMENTS OF CONSERVATION CONCERN



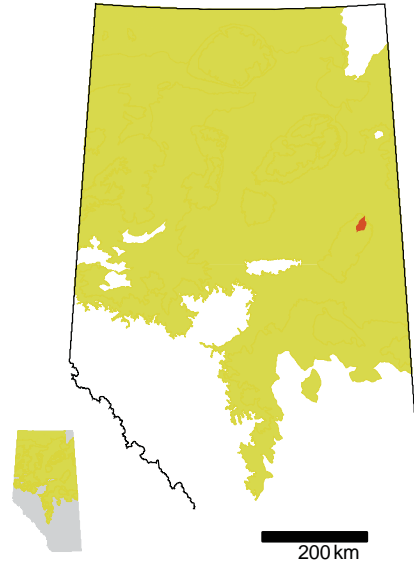
MUNICIPALITIES

Smoky Lake County



CRITERION

- ☐ 1 Contains 0 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☒ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
Stony Mountain Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Lower Boreal
Highlands

River Basin(s):

Athabasca River

Area:

13,943.4 hectares

139.4 km²Density of
Human Features:Well 0.16 heads/km²Road 0 km/km²Pipeline 0.19 km/km²

ELEMENTS OF CONSERVATION CONCERN

Mammals

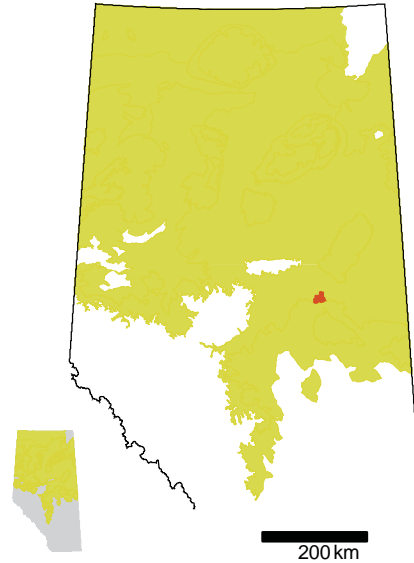
Woodland caribou -
boreal ecotype

MUNICIPALITIES

Regional Municipality
of Wood Buffalo

CRITERION

- ☒ 1 Contains 2 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☒ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☒ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - La Biche River Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):

Athabasca River

Area:

17,312.7 hectares

173.1 km²

Density of Human Features:

Well 0.18 heads/km²

Road 0.05 km/km²

Pipeline 0.16 km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

Peregrine falcon

Mammals

Woodland caribou -
boreal ecotype

Mosses

Twisted bog moss

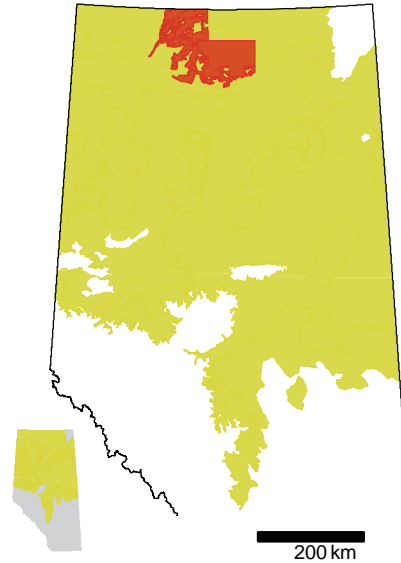
MUNICIPALITIES

County of Athabasca No. 12

Municipal District
of Opportunity No. 17

CRITERION

- ✓ **1 Contains 36 element(s) of conservation concern**
- ✓ **2 Contains rare or unique landforms**
Caribou Mountains veneer bogs
Indian Cabins Area peat plateaux
- ✓ **3 Contains habitat for focal species**
- ✓ **4 Contains important wildlife habitat**
- ✓ **5 Contains riparian areas**
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ✓ **6 Contains large natural areas**
- ✓ **7 Contains sites of recognized significance**
Caribou Mountains Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Boreal Subarctic
Northern Mixedwood
Lower Boreal
Highlands
Central Mixedwood

River Basin(s):

Buffalo River
Peace/Slave River
Hay River

Area:

1,345,744.7 hectares
13,457.4 km²

Density of Human Features:

Well **0.01** heads/km²
Road **0** km/km²
Pipeline **0** km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

Gray-cheeked thrush
Mew gull
Red-throated loon

Liverworts

Barbilophozia kunzeana
Gymnocolea inflata
Lophozia guttulata
Lophozia laxa
Ricciocarpos natans
Scapania curta
Scapania paludicola
Scapania paludosa

Mammals

Woodland caribou -
boreal ecotype

Mosses

Dichelyma falcatum
Fringed bog moss
Globe-fruited splachnum
Lindberg's bog moss
Peat moss
Pohlia drummondii
Pseudobryum cinclidioides
Red-necked fork moss
Sphagnum fallax
Tongue-leaf small-kettle moss

Vascular Plants

Arctic wintergreen
Blunt-leaved pondweed
Bodin's milk vetch
Ground-cone
Hudson Bay sedge
Lapland reed grass
Marsh rush
Meadow bitter cress
Narrow sedge
Polar grass
Purple rattle
Small butterwort

Vegetation Communities

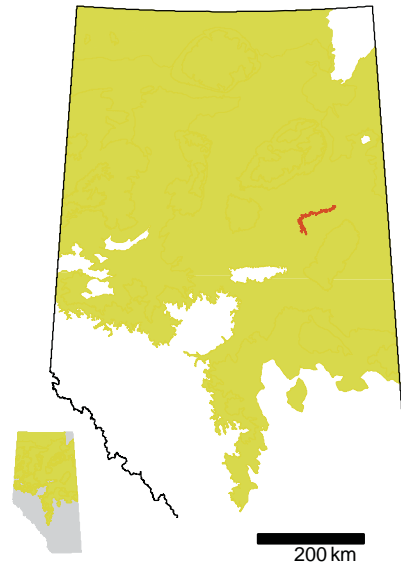
Beaked sedge marsh
Black spruce / star-tipped
reindeer lichen
Few-flowered spike-rush
community

MUNICIPALITIES

Municipal District
of Mackenzie No. 23
Improvement District
No. 24 (Wood Buffalo)

CRITERION

- ☒ **1 Contains 1 element(s) of conservation concern**
- ☒ **2 Contains rare or unique landforms**
Algar River Sand Hills dunes, transverse dunes
Grand Rapids Area rapids
- ☒ **3 Contains habitat for focal species**
- ☐ **4 Contains important wildlife habitat**
- ☒ **5 Contains riparian areas**
 - ☐ **a** Contains headwater streams
 - ☒ **b** Contains intact riparian areas
 - ☒ **c** Contains riparian areas along the six major rivers
- ☒ **6 Contains large natural areas**
- ☒ **7 Contains sites of recognized significance**
Grand Rapids Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):

Athabasca River

Area:

26,323.4 hectares

263.2 km²

Density of Human Features:

Well 0.02 heads/km²

Road 0 km/km²

Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

Fish

Brassy minnow

Mammals

Woodland caribou -
boreal ecotype

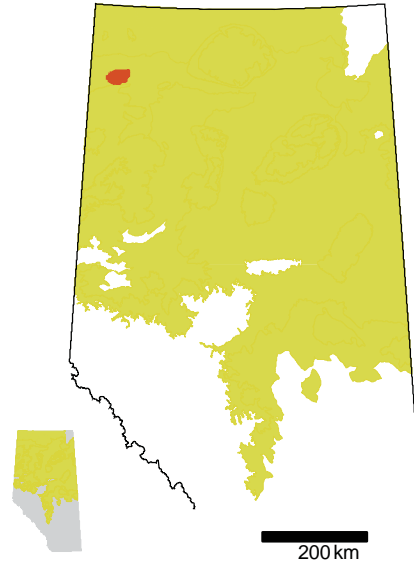
MUNICIPALITIES

Regional Municipality
of Wood Buffalo

Municipal District
of Opportunity No. 17

CRITERION

- ☒ **1 Contains 2 element(s) of conservation concern**
- ☒ **2 Contains rare or unique landforms**
Zama Lakes Area levee dammed lakes
- ☐ **3 Contains habitat for focal species**
- ☒ **4 Contains important wildlife habitat**
- ☒ **5 Contains riparian areas**
 - ☐ **a** Contains headwater streams
 - ☒ **b** Contains intact riparian areas
 - ☐ **c** Contains riparian areas along the six major rivers
- ☒ **6 Contains large natural areas**
- ☒ **7 Contains sites of recognized significance**
Hay and Zama Lakes Important Bird Area
Hay-Zama Lakes RAMSAR Site
Hay-Zama Lakes Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

River Basin(s):

Hay River

Area:

73,493.0 hectares

734.9 km²Density of
Human Features:Well 0.20 heads/km²Road 0.09 km/km²Pipeline 0.19 km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

Trumpeter swan

Vascular Plants

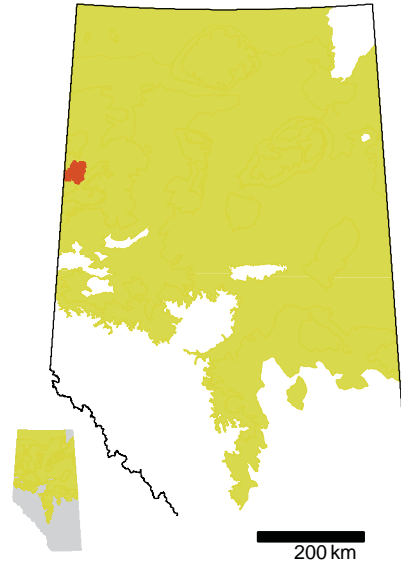
Pitcher-plant

MUNICIPALITIES

Municipal District
of Mackenzie No. 23

CRITERION

- ☒ 1 Contains 1 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☒ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☒ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☒ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
Chinchaga Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Lower Boreal
Highlands
Upper Boreal
Highlands

River Basin(s):

Hay River
Peace/Slave River

Area:

112,727.2 hectares

1,127.3 km²Density of
Human Features:Well 0.12 heads/km²Road 0 km/km²Pipeline 0.04 km/km²

ELEMENTS OF CONSERVATION CONCERN

Birds

Trumpeter swan

Mammals

Woodland caribou -
boreal ecotype

MUNICIPALITIES

Municipal District
of Clear Hills No. 21

CRITERION

☒ **1 Contains 19 element(s) of conservation concern**

☒ **2 Contains rare or unique landforms**

Fort McMurray Area patterned fens,
spring fens

St. Agnes Lake Area crag-and-tail

Whitemud Falls Area stacks

☒ **3 Contains habitat for focal species**

☐ **4 Contains important wildlife habitat**

☒ **5 Contains riparian areas**

☐ **a** Contains headwater streams

☒ **b** Contains intact riparian areas

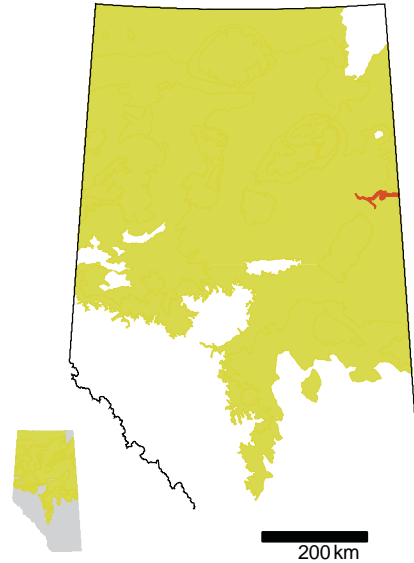
☒ **c** Contains riparian areas along
the six major rivers

☒ **6 Contains large natural areas**

☒ **7 Contains sites of recognized significance**

Clearwater Christina Canadian Heritage
River System

Whitemud Falls Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood

Athabasca Plain

River Basin(s):

Athabasca River

Area:

53,321.4 hectares

533.2 km²

**Density of
Human Features:**

Well **0.01** heads/km²

Road **0.06** km/km²

Pipeline **0.01** km/km²

ELEMENTS OF CONSERVATION CONCERN

Fish

Brassy minnow

Insects

River jewelwing

Mammals

Woodland caribou - boreal
ecotype

Mosses

Anomodon minor

Hygroamblystegium tenax

Neckera pennata

Rhodobryum ontariense

Sharp-pointed weissia

Vascular Plants

Bodin's milk vetch

Broad-leaved arrowhead

Herriot's sagewort

Pellaea glabella ssp simplex

Polypodium sibiricum

Prairie cord grass

Red bulrush

Salt-marsh sand spurry

Sea-side plantain

Smooth cliff brake

Spotted Joe-pye weed

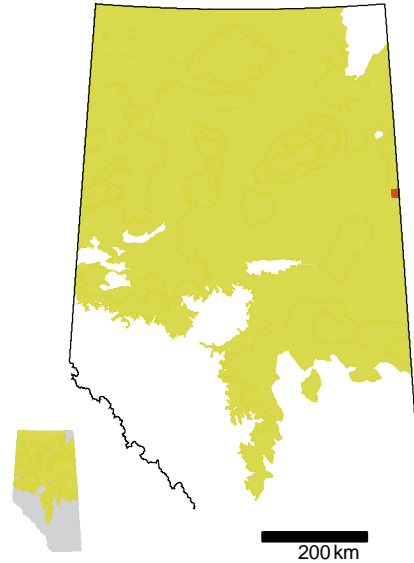
White adder's-mouth

MUNICIPALITIES

Regional Municipality
of Wood Buffalo

CRITERION

- ☒ 1 Contains 5 element(s) of conservation concern
- ☐ 2 Contains rare or unique landforms
- ☐ 3 Contains habitat for focal species
- ☐ 4 Contains important wildlife habitat
- ☐ 5 Contains riparian areas
 - ☐ a Contains headwater streams
 - ☐ b Contains intact riparian areas
 - ☐ c Contains riparian areas along the six major rivers
- ☒ 6 Contains large natural areas
- ☒ 7 Contains sites of recognized significance
 - Whitemud Falls Wildland Provincial Park



Boreal

ESA CHARACTERISTICS

Natural Region(s):

Boreal

Natural Subregion(s):

Central Mixedwood
Athabasca Plain

River Basin(s):

Athabasca River

Area:

659.6 hectares

6.6 km²

Density of
Human Features:

Well 0 heads/km²

Road 0 km/km²

Pipeline 0 km/km²

ELEMENTS OF CONSERVATION CONCERN

Mosses

Hygroamblystegium tenax

Neckera pennata

Rhodobryum ontariense

Vascular Plants

Polypodium sibiricum

Spotted Joe-pye weed

MUNICIPALITIES

Regional Municipality
of Wood Buffalo