ESA CHARACTERISTICS

Natural Region(s): Canadian Shield
Natural Subregion(s): Kazan Uplands
River Basin(s): Peace/Slave River

Area: 331.8 hectares
3.3 km²

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

SIGNIFICANCE RATING: Provincial

☑️ 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

Prepared by: Fiera Biological Consulting
ESA CHARACTERISTICS

Natural Region(s): Canadian Shield
Natural Subregion(s): Kazan Uplands
River Basin(s): Athabasca River
Peace/Slave River

Area:
66.5 hectares
0.7 km²

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

SIGNIFICANCE RATING: Provincial

1 Contains 0 element(s) of conservation concern

2 Contains rare or unique landforms
   Fort Chipewyan Area shoreline cliffs

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
Canadian Shield

ESA CHARACTERISTICS

Natural Region(s): Canadian Shield
Natural Subregion(s): Kazan Uplands
River Basin(s): Peace/Slave River

Area:
1,246.1 hectares
12.5 km²

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

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

SIGNIFICANCE RATING: National 744
Birds
Peregrine falcon

Fish
Shortjaw cisco
Natural Region(s): Canadian Shield
Natural Subregion(s): Kazan Uplands
River Basin(s): Athabasca River, Peace/Slave River

Area: 1,255.2 hectares, 12.6 km²
Density of Human Features:
Well: 0 heads/km²
Road: 0 km/km²
Pipeline: 0 km/km²

ESA CHARACTERISTICS

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

SIGNIFICANCE RATING: Provincial

Prepared by: Fiera Biological Consulting
Birds

Black-backed woodpecker
☑ 1  Contains 14 element(s) of conservation concern
☑ 6  Contains large natural areas
☑ 7  Contains sites of recognized significance

☑ 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

☐ 2  Contains rare or unique landforms
☐ 8  Contains sites of recognized significance

Natural Region(s): Canadian Shield
Natural Subregion(s): Kazan Uplands
River Basin(s): Athabasca River

Area:
4,289.7 hectares
42.9 km²

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

Prepared by: Fiera Biological Consulting
**Amphibians and Reptiles**
Leopard frog

**Liverworts**
*Barbilophozia attenuata*
*Barbilophozia kunzeana*

**Mosses**
*Leskeella nervosa*
Maidenhair moss
*Pseudobryum cinclidioides*
Twisted bog moss
*Ulota curvifolia*

**Vascular Plants**
Branched cinquefoil
*Carex lenticularis var lenticularis*
Hudson Bay sedge
Northern oak fern
*Polypodium sibiricum*
Short-tail rush
ESA CHARACTERISTICS

River Basin(s):
Athabasca River

Natural Region(s):
Canadian Shield

Natural Subregion(s):
Kazan Uplands

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

Area:
396.5 hectares
4.0 km²

SIGNIFICANCE RATING: Provincial

☑ 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

Canadian Shield
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

**Natural Region(s):** Canadian Shield
**Natural Subregion(s):** Kazan Uplands
**River Basin(s):** Peace/Slave River

**Area:**
- 3,558.1 hectares
- 35.6 km²

**Density of Human Features:**
- Well: 0 heads/km²
- Road: 0 km/km²
- Pipeline: 0 km/km²
Birds
Mew gull
ESA CHARACTERISTICS

River Basin(s):
- Athabasca River

Natural Subregion(s):
- Kazan Uplands

Natural Region(s):
- Canadian Shield

Area:
- 5,559.3 hectares
- 55.6 km²

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

SIGNIFICANCE RATING: Provincial

CRITERION

☑ 1 Contains 0 element(s) of conservation concern

☑ 2 Contains rare or unique landforms
   - St. Agnes Lake Area crag-and-tail
   - St. Agnes Lake Area wooded bogs with internal lawns, basin 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
ESA CHARACTERISTICS

Natural Region(s): Canadian Shield
Natural Subregion(s): Kazan Uplands
River Basin(s): Peace/Slave River

Area:
- 4,747.9 hectares
- 47.5 km²

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

SIGNIFICANCE RATING: Provincial

1. Contains 0 element(s) of conservation concern
2. Contains rare or unique landforms
   - Charles Lake tectonic lake basins, fault 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
Prepared by: Fiera Biological Consulting

**ESA CHARACTERISTICS**

**Canadian Shield**

**Natural Region[s]:** Canadian Shield

**Natural Subregion[s]:** Kazan Uplands

**River Basin[s]:** Peace/Slave River

**Area:**
- 1,902.4 hectares
- 19.0 km²

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

**SIGNIFICANCE RATING:** Provincial

**CRITERION**

- **1** Contains 0 element(s) of conservation concern
- **2** Contains rare or unique landforms
  - Leland Lakes Area plutons
- **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
### ESA CHARACTERISTICS

<table>
<thead>
<tr>
<th>Natural Region(s):</th>
<th>Natural Subregion(s):</th>
<th>River Basin(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canadian Shield</td>
<td>Kazan Uplands</td>
<td>Peace/Slave River, Athabasca River</td>
</tr>
</tbody>
</table>

### Area:
- **27,702.1** hectares
- **277.0** km²

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

---

### SIGNIFICANCE RATING: Provincial

#### CRITERION

- ✔️ 1 Contains 13 element(s) of conservation concern
- ✔️ 2 Contains rare or unique landforms
  - Swinnerton Lake Area fault-line scarps
- ☐ 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
Birds
Mew gull

Mosses
Brown moss
Peat moss
Slender splachnum
Twisted bog moss
Ulota curvifolia

Vascular Plants
Hooker’s cinquefoil
Northern quillwort
*Polypodium sibiricum*
Robbins’ pondweed
Sand sedge
Small butterwort
Umbellate sedge
**ESA CHARACTERISTICS**

**CRITERION**

- **☑ 1** Contains 22 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 Butte Creek Wildland Provincial Park

**Natural Region(s):**
- Canadian Shield
- Boreal

**Natural Subregion(s):**
- Kazan Uplands
- Peace-Athabasca Delta
- Northern Mixedwood

**River Basin(s):**
- Peace/Slave River

**Area:**
- 18,187.7 hectares
- 181.9 km²

**Density of Human Features:**
- **Well** 0 heads/km²
- **Road** 0 km/km²
- **Pipeline** 0 km/km²
Insects
Ochre ringlet

Liverworts
Arnella fennica
Lophozia guttulata
Riccardia multifida
Riccia fluitans
Ricciocarpos natans

Mosses
Bartramia pomiformis
Cynodontium tenellum
Leskeella nervosa
Neckera pennata
Ulota curvifolia

Vascular Plants
Botrychium crenulatum
Botrychium michiganense
Capitate sedge
False dragonhead
Hooker’s cinquefoil
Polypodium sibiricum
Sleepy catchfly
Square-stem monkeyflower
Umbellate sedge

Vegetation Communities
Cyperus-like sedge - water arum

Regional Municipality
of Wood Buffalo

Northern manna grass - water parsnip - narrow leaved bur-reed
**ESA CHARACTERISTICS**

**Natural Region(s):**
- Canadian Shield

**Natural Subregion(s):**
- Kazan Uplands

**River Basin(s):**
- Athabasca River
- Peace/Slave River

**Area:**
- 70,305.5 hectares
- 703.1 km²

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

**SIGNIFICANCE RATING:** Provincial

Contains 27 element(s) of conservation concern

Contains rare or unique landforms

Contains habitat for focal species

Contains important wildlife habitat

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

Contains large natural areas

Contains sites of recognized significance
- Colin-Cornwall Lakes Wildland Provincial Park

Prepared by: Fiera Biological Consulting
<table>
<thead>
<tr>
<th><strong>Birds</strong></th>
<th><strong>Mosses</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mew gull</td>
<td><em>Cynodontium tenellum</em></td>
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<tr>
<td>Fish</td>
<td>Globe-fruit splachnum</td>
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<tr>
<td>Deepwater sculpin</td>
<td><em>Leskeella nervosa</em></td>
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<tr>
<td><strong>Insects</strong></td>
<td>Neckera pennata</td>
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<tr>
<td>Cary’s arctic</td>
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<tr>
<td><strong>Liverworts</strong></td>
<td><strong>Vegetation Communities</strong></td>
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<tr>
<td><em>Barbilophozia kunzeana</em></td>
<td>Beaked sedge marsh</td>
</tr>
<tr>
<td><strong>Mosses</strong></td>
<td><strong>Vascular Plants</strong></td>
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<tr>
<td>Sagina nodosa</td>
<td>Blunt-leaved pondweed</td>
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<td>Short-tail rush</td>
<td>Dwarf grape fern</td>
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<tr>
<td>Sleepy catchfly</td>
<td>Ground-fir</td>
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<tr>
<td>Small butterwort</td>
<td>Hooker’s cinquefoil</td>
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<tr>
<td>Umbellate sedge</td>
<td>Large Canada St. John’s-wort</td>
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<td>Weak sedge</td>
<td>Leather grape fern</td>
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<td></td>
<td>Lens-fruited sedge</td>
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<td>Meadow bitter cress</td>
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<td>Northern quillwort</td>
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<td><em>Polypodium sibiricum</em></td>
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<tr>
<td></td>
<td>Primrose</td>
</tr>
<tr>
<td></td>
<td>Robbins’ pondweed</td>
</tr>
</tbody>
</table>

**Regional Municipality**

of Wood Buffalo