Map Notes:
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2. Proposed Reservoir Area (461.8 m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August 2006.
4. Peace River Valley Definition, Peace River Definition and Dam Site Area provided by BC Hydro.

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Legend
- Peace River and Tributary Valleys Definition
- Proposed Reservoir
- Dam Site Area
- Agricultural Land Reserve
- Land Capability
- Provincial/Territorial Boundary

Capability Subclass Codes
- Soil moisture deficiency
- Adverse climate
- Undesirable soil structure and/or low perviousness
- Inundation
- Stoniness
- Depth to bedrock and/or rockiness
- Combination of subclasses
- Topography
- Excess water
- Limitation due to the cumulative effect of two or more adverse characteristics

Figure 20.2 Land capability for agriculture
Map 14 of 25
CBDB14-B4980-2  R 0 Dec. 11, 2012

Map Notes:
1. Datum/Projection: NAD83/UTM Zone 10N
2. Proposed Reservoir Area (461.8 m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August 2006.
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Legend

Figure 20.2

Land capability for agriculture
Map 15 of 25
Map Notes:
1. Datum/Projection: NAD83/UTM Zone 10N
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Map Notes:
1. Datum/Projection: NAD83/UTM Zone 10N
2. Proposed Reservoir Area (461.8 m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August 2006.
3. Data Source: Orthophotos created from 1:5,000 photos taken in Aug. 2011 and 1;40,000 photos taken Sept. 10th 2007.
4. Peace River Valley Definition, Peace River Definition and Dam Site Area provided by BC Hydro.

Legend
- Peace River and Tributary Valley Definition
- Proposed Reservoir
- Dam Site Area
- Agricultural Land Reserve
- Land Capability
- Provincial/Territorial Boundary

Capability Subclass Codes
- A - Inundation
- C - Soil moisture deficiency
- D - Adverse climate
- I - Undesirable soil structure and/or low perviousness
- M - Moisture limitations
- P - Stoniness
- R - Depth to bedrock and/or rockiness
- S - Combination of subclasses
- T - Topography
- W - Excess water
- X - Limitation due to the cumulative effect of two or more adverse characteristics

UNIMPROVED RATING IMPROVED RATING

MINERAL SOIL CAPABILITY CLASS ORGANIC SOIL CAPABILITY CLASS

PERCENTAGE OF MAP UNIT (x 10 )

Figure 20.2 Land capability for agriculture Map 21 of 25

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Map Notes:
1. Datum/Projection: NAD83/UTM Zone 10N
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Legend
- Peace River and Tributary Valleys Definition
- Proposed Reservoir
- Dam Site Area
- Agricultural Land Reserve
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Peace River and Tributary Valleys Definition
Proposed Reservoir
Dam Site Area
Agricultural Land Reserve
Land Capability
Provincial/Territorial Boundary

UNIMPROVED RATING IMPROVED RATING
4AP 05W (3AP 03W)
6 4 6 4
MINERAL SOIL
CAPABILITY CLASS
ORGANIC SOIL
CAPABILITY CLASS
PERCENTAGE OF MAP UNIT (x 10 )
CAPABILITY SUBCLASSES
CAPABILITY SUBCLASSES

Figure 20.2
Land capability for agriculture
Map 22 of 25

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Map Notes:
1. Datum/Projection: NAD83/UTM Zone 10N
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Legend
- Peace River and Tributary Valleys Definition
- Proposed Reservoir
- Dam Site Area
- Agricultural Land Reserve
- Land Capability
- Provincial/Territorial Boundary

Capability Subclass Codes:
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Figure 20.3
Climate stations

Map Notes:
1. Datum/Projection: NAD83/UTM Zone 10N
2. Proposed Reservoir Area (461.8 m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August 2006.
3. Dam Site Area provided by BC Hydro.

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- **BC Hydro Climate Station**
- **Climatic Moisture Deficit**
- **Proposed Reservoir**
- **Dam Site Area**
- **Protected Areas, Provincial Parks, Regional Parks, and Ecological Reserves**
- **Proposed Peace River**
- **Boudreau Lake Protected Area**
- **Indian Reserve**

Legend

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<tr>
<th>Station 1</th>
<th>CMD = 132 mm</th>
<th>Elv. 480 m</th>
<th>Lat. 56° 13' 51.832&quot; N</th>
<th>Long. 121° 23' 3.983&quot; W</th>
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</thead>
<tbody>
<tr>
<td>Station 2</td>
<td>CMD = 220 mm</td>
<td>Elv. 440 m</td>
<td>Lat. 56° 13' 18.018&quot; N</td>
<td>Long. 121° 20' 38.571&quot; W</td>
</tr>
<tr>
<td>Station 3</td>
<td>CMD = 148 mm</td>
<td>Elv. 470 m</td>
<td>Lat. 56° 13' 57.522&quot; N</td>
<td>Long. 121° 27' 55.188&quot; W</td>
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<td>Station 4</td>
<td>CMD = 156 mm</td>
<td>Elv. 600 m</td>
<td>Lat. 56° 12' 17.809&quot; N</td>
<td>Long. 121° 54' 43.609&quot; W</td>
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<td>Station 5</td>
<td>CMD = 142 mm</td>
<td>Elv. 510 m</td>
<td>Lat. 56° 3' 34.908&quot; N</td>
<td>Long. 121° 51' 59.757&quot; W</td>
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<td>Station 6</td>
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<td>Station 7</td>
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<td>Lat. 56° 13' 18.918&quot; N</td>
<td>Long. 121° 25' 26.573&quot; W</td>
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</tbody>
</table>

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Figure 20.4
Agricultural utility
Map 3 of 16
Map Notes:
1. Datum/Projection: NAD83/UTM Zone 10N
2. Proposed Reservoir Area (461.8 m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August 2006.
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Figure 20.4: Agricultural utility Map 10 of 16

Legend
- Peace River and Tributary Valleys Definition
- Proposed Reservoir
- Dam Site Area
- Agricultural Land Reserve
- Land Capability
- Provincial/Territorial Boundary

Capability Subclass Codes
- A: Soil moisture deficiency
- B: Adverse climate
- C: Undesirable soil structure and/or low perviousness
- D: Inundation
- E: Moisture limitations
- F: Stoniness
- G: Depth to bedrock and/or rockiness
- H: Combination of subclasses
- I: Topography
- J: Excess water
- K: Limitation due to the cumulative effect of two or more adverse characteristics

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Figure 20.4
Agricultural utility
Map 11 of 16

Legend

<table>
<thead>
<tr>
<th>Agriculture Utility</th>
<th>Capability Subclass Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>High</td>
<td>A: Low moisture deficiency</td>
</tr>
<tr>
<td>Moderate</td>
<td>B: High moisture deficiency</td>
</tr>
<tr>
<td>Low/Nil</td>
<td>C: Adverse climate</td>
</tr>
</tbody>
</table>

Map Notes:
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Figure 20.4
Agricultural utility
Map 12 of 16

Legend

Peace River and Tributary Valleys Definition
Proposed Reservoir
Dam Site Area
Agricultural Land Reserve
Land Capability
Provincial/Territorial Boundary

Agriculture Utility
High
Moderate
Low/Nil

Capability Subclass Codes
A Soil moisture deficiency
C Adverse climate
D Undesirable soil structure and/or low perviousness
I Inundation
M Moisture limitations
P Stoniness
R Depth to bedrock and/or rockiness
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W Excess water
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Legend
- Agriculture Utility
  - High
  - Moderates
  - Low/Nil
- Land Capability
  - UNIMPROVED RATING
  - IMPROVED RATING

Capability Subclass Codes
- A: Soil moisture deficiency
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- D: Undesirable soil structure and/or low perviousness
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