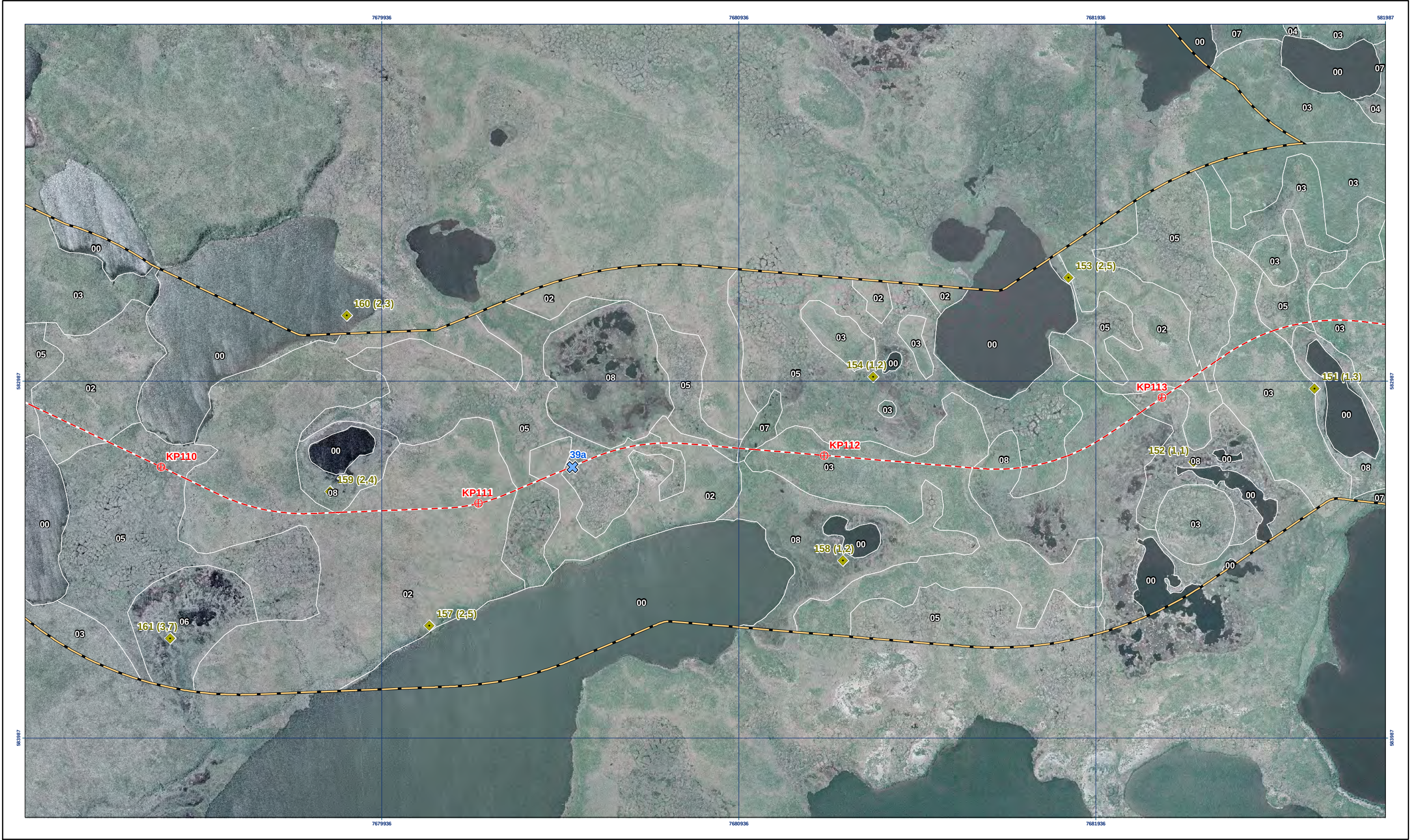




Project Location

- Rare Plant Location
- Waterfowl Survey Site (# of Species, # of Individuals Observed)
- Preferred Highway Alignment Kilometre Post
- Preferred Highway Alignment
- Study Area
- Primary Borrow Sources

Water Crossing (with ID Label)

- Unclassified Crossing
- Minor Crossing < 2.5m
- Crossing > 2.5m & < 5.0m
- Major Crossing > 5.0m

Habitat Classification

- 01 - Dry Saxifrage Tundra
- 02 - Dwarf Shrub Heath
- 03 - Dwarf Shrub Heath/Upland Shrub
- 04 - Cotton-Grass Tussock
- 05 - High-Centred Polygons
- 06 - Low-Centred Polygons
- 07 - Riparian Shrub
- 08 - Riparian Sedge - Cotton-Grass
- 13 - Riparian Black Spruce/Shrub
- d5 - Upland Alaska Birch – Spruce
- h3 - Black Spruce/Ground Birch
- Dist - Disturbed
- 00 - Water

Inuvik – Tuktoyaktuk Highway

Vegetation Atlas with Waterbird Counts

Map 32 of 48

Base Data and Imagery provided by Government of the Northwest Territories; Wildlife Data: Kavik Stantec

0 0.125 0.25 0.5 0.75 1

Kilometres 1:10,000

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FIGURE NO.
32

Leaflet | Map data © OpenStreetMap contributors, Imagery © Mapbox



Project Location

- Rare Plant Location
- Waterfowl Survey Site (# of Species, # of Individuals Observed)
- Preferred Highway Alignment Kilometre Post
- Preferred Highway Alignment
- Study Area
- Primary Borrow Sources

Water Crossing (with ID Label)

- Unclassified Crossing
- Minor Crossing < 2.5m
- Crossing > 2.5m & < 5.0m
- Major Crossing > 5.0m

Habitat Classification

- 01 - Dry Saxifrage Tundra
- 02 - Dwarf Shrub Heath
- 03 - Dwarf Shrub Heath/Upland Shrub
- 04 - Cotton-Grass Tussock
- 05 - High-Centred Polygons
- 06 - Low-Centred Polygons
- 07 - Riparian Shrub
- 08 - Riparian Sedge - Cotton-Grass
- 13 - Riparian Black Spruce/Shrub
- d5 - Upland Alaska Birch - Spruce
- h3 - Black Spruce/Ground Birch
- Dist - Disturbed
- 00 - Water

Inuvik – Tuktoyaktuk Highway

Vegetation Atlas with Waterbird Counts

Map 33 of 48

Base Data and Imagery provided by Government of the Northwest Territories; Wildlife Data: Kavik Stantec

0 0.125 0.25 0.5 0.75 1

Kilometres 1:10,000

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FIGURE NO.
33

Leaflet | Map data © OpenStreetMap contributors, Imagery © Mapbox



Project Location

- Rare Plant Location
- Waterfowl Survey Site (# of Species, # of Individuals Observed)
- Preferred Highway Alignment Kilometre Post
- Preferred Highway Alignment
- Study Area
- Primary Borrow Sources

Water Crossing (with ID Label)

- Unclassified Crossing
- Minor Crossing < 2.5m
- Crossing > 2.5m & < 5.0m
- Major Crossing > 5.0m

Habitat Classification

- 01 - Dry Saxifrage Tundra
- 02 - Dwarf Shrub Heath
- 03 - Dwarf Shrub Heath/Upland Shrub
- 04 - Cotton-Grass Tussock
- 05 - High-Centred Polygons
- 06 - Low-Centred Polygons
- 07 - Riparian Shrub
- 08 - Riparian Sedge - Cotton-Grass
- 13 - Riparian Black Spruce/Shrub
- d5 - Upland Alaska Birch - Spruce
- h3 - Black Spruce/Ground Birch
- Dist - Disturbed
- 00 - Water

Inuvik - Tuktoyaktuk Highway

Vegetation Atlas with Waterbird Counts

Map 34 of 48

Base Data and Imagery provided by Government of the Northwest Territories; Wildlife Data: Kavik Stantec

0 0.125 0.25 0.5 0.75 1

Kilometres 1:10,000

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FIGURE NO.

34

Leaflet | Map data © OpenStreetMap contributors, Imagery © Mapbox



Project Location

- Rare Plant Location
- Waterfowl Survey Site (# of Species, # of Individuals Observed)
- Preferred Highway Alignment
- Study Area
- Primary Borrow Sources

Water Crossing (with ID Label)

- Unclassified Crossing
- Minor Crossing < 2.5m
- Crossing > 2.5m & < 5.0m
- Major Crossing > 5.0m

Habitat Classification

- 01 - Dry Saxifrage Tundra
- 02 - Dwarf Shrub Heath
- 03 - Dwarf Shrub Heath/Upland Shrub
- 04 - Cotton-Grass Tussock
- 05 - High-Centred Polygons
- 06 - Low-Centred Polygons
- 07 - Riparian Shrub
- 08 - Riparian Sedge - Cotton-Grass
- 13 - Riparian Black Spruce/Shrub
- d5 - Upland Alaska Birch - Spruce
- h3 - Black Spruce/Ground Birch
- Dist - Disturbed
- 00 - Water

Inuvik – Tuktoyaktuk Highway

Vegetation Atlas with Waterbird Counts

Map 35 of 48

Base Data and Imagery provided by Government of the Northwest Territories; Wildlife Data: Kavik Stantec

0 0.125 0.25 0.5 0.75 1

Kilometres 1:10,000

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FIGURE NO.

35

123510689-046

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Last Modified: 20130831 1:10:10



Project Location

- Rare Plant Location
- Waterfowl Survey Site (# of Species, # of Individuals Observed)
- Preferred Highway Alignment
- Study Area
- Primary Borrow Sources

Water Crossing (with ID Label)

- Unclassified Crossing
- Minor Crossing < 2.5m
- Crossing > 2.5m & < 5.0m
- Major Crossing > 5.0m

Habitat Classification

- 01 - Dry Saxifrage Tundra
- 02 - Dwarf Shrub Heath
- 03 - Dwarf Shrub Heath/Upland Shrub
- 04 - Cotton-Grass Tussock
- 05 - High-Centred Polygons
- 06 - Low-Centred Polygons
- 07 - Riparian Shrub
- 08 - Riparian Sedge - Cotton-Grass
- 13 - Riparian Black Spruce/Shrub
- d5 - Upland Alaska Birch - Spruce
- h3 - Black Spruce/Ground Birch
- Dist - Disturbed
- 00 - Water

Inuvik - Tuktoyaktuk Highway

Vegetation Atlas with Waterbird Counts

Map 36 of 48

Base Data and Imagery provided by Government of the Northwest Territories; Wildlife Data: Kavik Stantec

0 0.125 0.25 0.5 0.75 1

Kilometres 1:10,000

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FIGURE NO.
36



Project Location

- Rare Plant Location
- Waterfowl Survey Site (# of Species, # of Individuals Observed)
- Preferred Highway Alignment Kilometre Post
- Preferred Highway Alignment
- Study Area
- Primary Borrow Sources

Water Crossing (with ID Label)

- Unclassified Crossing
- Minor Crossing < 2.5m
- Crossing > 2.5m & < 5.0m
- Major Crossing > 5.0m

Habitat Classification

- 01 - Dry Saxifrage Tundra
- 02 - Dwarf Shrub Heath
- 03 - Dwarf Shrub Heath/Upland Shrub
- 04 - Cotton-Grass Tussock
- 05 - High-Centred Polygons
- 06 - Low-Centred Polygons
- 07 - Riparian Shrub
- 08 - Riparian Sedge - Cotton-Grass
- 13 - Riparian Black Spruce/Shrub
- d5 - Upland Alaska Birch – Spruce
- h3 - Black Spruce/Ground Birch
- Dist - Disturbed
- 00 - Water

Inuvik – Tuktoyaktuk Highway

Vegetation Atlas with Waterbird Counts

Map 37 of 48

Base Data and Imagery provided by Government of the Northwest Territories; Wildlife Data: Kavik Stantec

0 0.125 0.25 0.5 0.75 1

Kilometres 1:10,000

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FIGURE NO.
37

FILE NO. 123510689-046



-  Rare Plant Location
-  Waterfowl Survey Site
(# of Species, # of Individuals Observed)
-  Preferred Highway Alignment Kilometre Post
-  Preferred Highway Alignment
-  Study Area
-  Primary Borrow Sources

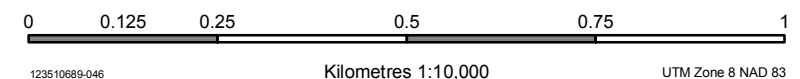
- | Water Crossing (with ID Label) | |
|---|------------------------|
|  | Unclassified Crossing |
|  | Minor Crossing < 2.5m |
|  | Crossing > 2.5m & < 5. |
|  | Major Crossing > 5.0m |

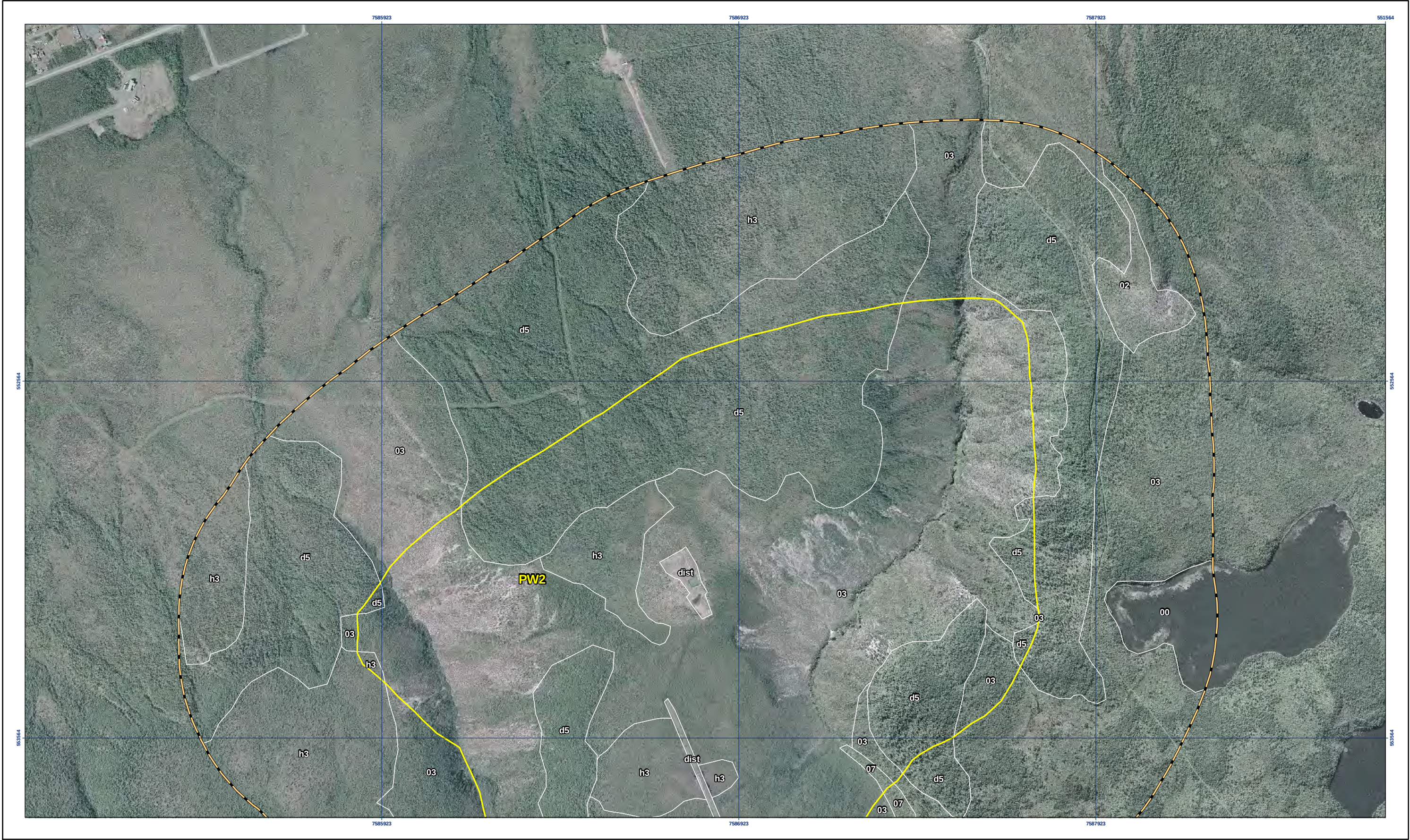
- | Habitat Classification | |
|-------------------------------------|--|
| 01 - Dry Saxifrage Tundra | |
| 02 - Dwarf Shrub Heath | |
| 03 - Dwarf Shrub Heath/Upland Shrub | |
| 04 - Cotton-Grass Tussock | |
| 05 - High-Centred Polygons | |
| 06 - Low-Centred Polygons | |

- 07 - Riparian Shrub
08 - Riparian Sedge - Cotton-Grass
13 - Riparian Black Spruce/Shrub
d5 - Upland Alaska Birch – Spruce
h3 - Black Spruce/Ground Birch
Dist - Disturbed
00 - Water

Inuvik – Tuktoyaktuk Highway
**Vegetation Atlas with
 Waterbird Counts**
 Map 38 of 48

Base Data and Imagery provided by Government of the Northwest Territories; Wildlife Data: Kavik Stantec





Project Location

- Rare Plant Location
- Waterfowl Survey Site (# of Species, # of Individuals Observed)
- Preferred Highway Alignment Kilometre Post
- Preferred Highway Alignment
- Study Area
- Primary Borrow Sources

Water Crossing (with ID Label)

- Unclassified Crossing
- Minor Crossing < 2.5m
- Crossing > 2.5m & < 5.0m
- Major Crossing > 5.0m

Habitat Classification

- 01 - Dry Saxifrage Tundra
- 02 - Dwarf Shrub Heath
- 03 - Dwarf Shrub Heath/Upland Shrub
- 04 - Cotton-Grass Tussock
- 05 - High-Centred Polygons
- 06 - Low-Centred Polygons
- 07 - Riparian Shrub
- 08 - Riparian Sedge - Cotton-Grass
- 13 - Riparian Black Spruce/Shrub
- d5 - Upland Alaska Birch – Spruce
- h3 - Black Spruce/Ground Birch
- Dist - Disturbed
- 00 - Water

Inuvik – Tuktoyaktuk Highway

Vegetation Atlas with Waterbird Counts

Map 39 of 48

Base Data and Imagery provided by Government of the Northwest Territories; Wildlife Data: Kavik Stantec

0 0.125 0.25 0.5 0.75 1

Kilometres 1:10,000

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FIGURE NO.
39

FILE NO. 20120831_jpet10



Project Location

Legend

- Rare Plant Location
- Waterfowl Survey Site (# of Species, # of Individuals Observed)
- Preferred Highway Alignment Kilometre Post
- Preferred Highway Alignment
- Study Area
- Primary Borrow Sources

Water Crossing (with ID Label)

- Unclassified Crossing
- Minor Crossing < 2.5m
- Crossing > 2.5m & < 5.0m
- Major Crossing > 5.0m

Habitat Classification

- 01 - Dry Saxifrage Tundra
- 02 - Dwarf Shrub Heath
- 03 - Dwarf Shrub Heath/Upland Shrub
- 04 - Cotton-Grass Tussock
- 05 - High-Centred Polygons
- 06 - Low-Centred Polygons
- 07 - Riparian Shrub
- 08 - Riparian Sedge - Cotton-Grass
- 13 - Riparian Black Spruce/Shrub
- d5 - Upland Alaska Birch – Spruce
- h3 - Black Spruce/Ground Birch
- Dist - Disturbed
- 00 - Water

Inuvik – Tuktoyaktuk Highway

Vegetation Atlas with Waterbird Counts

Map 40 of 48

Base Data and Imagery provided by Government of the Northwest Territories; Wildlife Data: Kavik Stantec

0 0.125 0.25 0.5 0.75 1

Kilometres 1:10,000

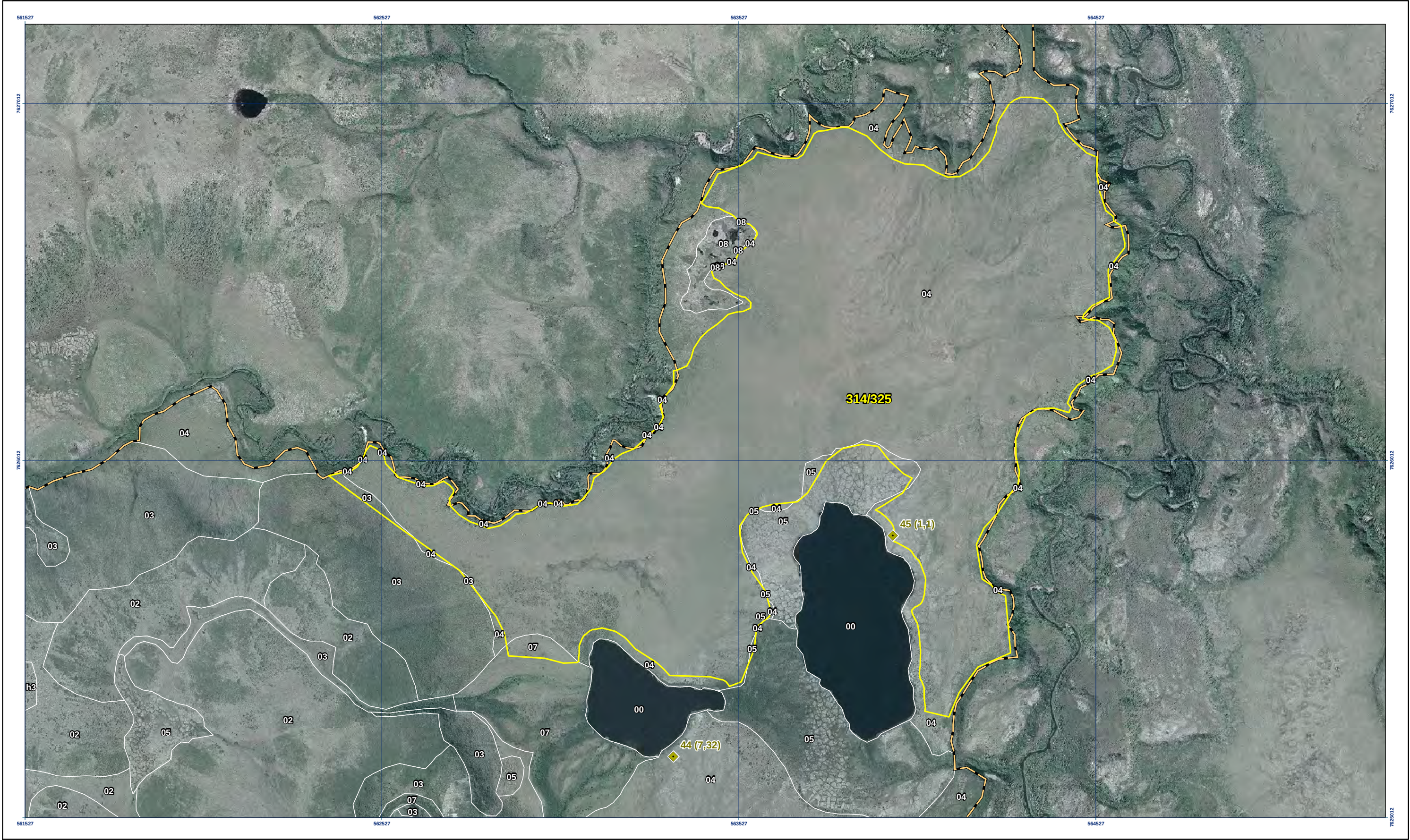
UTM Zone 8 NAD 83

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FIGURE NO.
40

File: Roadmap_20120831_j.pdf



Project Location

- Rare Plant Location
- Waterfowl Survey Site (# of Species, # of Individuals Observed)
- Preferred Highway Alignment Kilometre Post
- Preferred Highway Alignment
- Study Area
- Primary Borrow Sources

Water Crossing (with ID Label)

- Unclassified Crossing
- Minor Crossing < 2.5m
- Crossing > 2.5m & < 5.0m
- Major Crossing > 5.0m

Habitat Classification

01 - Dry Saxifrage Tundra	07 - Riparian Shrub
02 - Dwarf Shrub Heath	08 - Riparian Sedge - Cotton-Grass
03 - Dwarf Shrub Heath/Upland Shrub	13 - Riparian Black Spruce/Shrub
04 - Cotton-Grass Tussock	d5 - Upland Alaska Birch - Spruce
05 - High-Centred Polygons	h3 - Black Spruce/Ground Birch
06 - Low-Centred Polygons	Dist - Disturbed
	00 - Water

Inuvik - Tuktoyaktuk Highway
Vegetation Atlas with Waterbird Counts
Map 41 of 48

Base Data and Imagery provided by Government of the Northwest Territories; Wildlife Data: Kavik Stantec

0 0.125 0.25 0.5 0.75 1

Kilometres 1:10,000

UTM Zone 8 NAD 83

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FIGURE NO.
41

Let's Reconnect 20130831 jpetto



Project Location

- Rare Plant Location
- Waterfowl Survey Site (# of Species, # of Individuals Observed)
- Preferred Highway Alignment
- Preferred Highway Alignment Kilometre Post
- Study Area
- Primary Borrow Sources

Water Crossing (with ID Label)

- Unclassified Crossing
- Minor Crossing < 2.5m
- Crossing > 2.5m & < 5.0m
- Major Crossing > 5.0m

Habitat Classification

- 01 - Dry Saxifrage Tundra
- 02 - Dwarf Shrub Heath
- 03 - Dwarf Shrub Heath/Upland Shrub
- 04 - Cotton-Grass Tussock
- 05 - High-Centred Polygons
- 06 - Low-Centred Polygons
- 07 - Riparian Shrub
- 08 - Riparian Sedge - Cotton-Grass
- 13 - Riparian Black Spruce/Shrub
- d5 - Upland Alaska Birch - Spruce
- h3 - Black Spruce/Ground Birch
- Dist - Disturbed
- 00 - Water

Inuvik – Tuktoyaktuk Highway

Vegetation Atlas with Waterbird Counts

Map 42 of 48

Base Data and Imagery provided by Government of the Northwest Territories; Wildlife Data: Kavik Stantec

0 0.125 0.25 0.5 0.75 1

Kilometres 1:10,000

UTM Zone 8 NAD 83

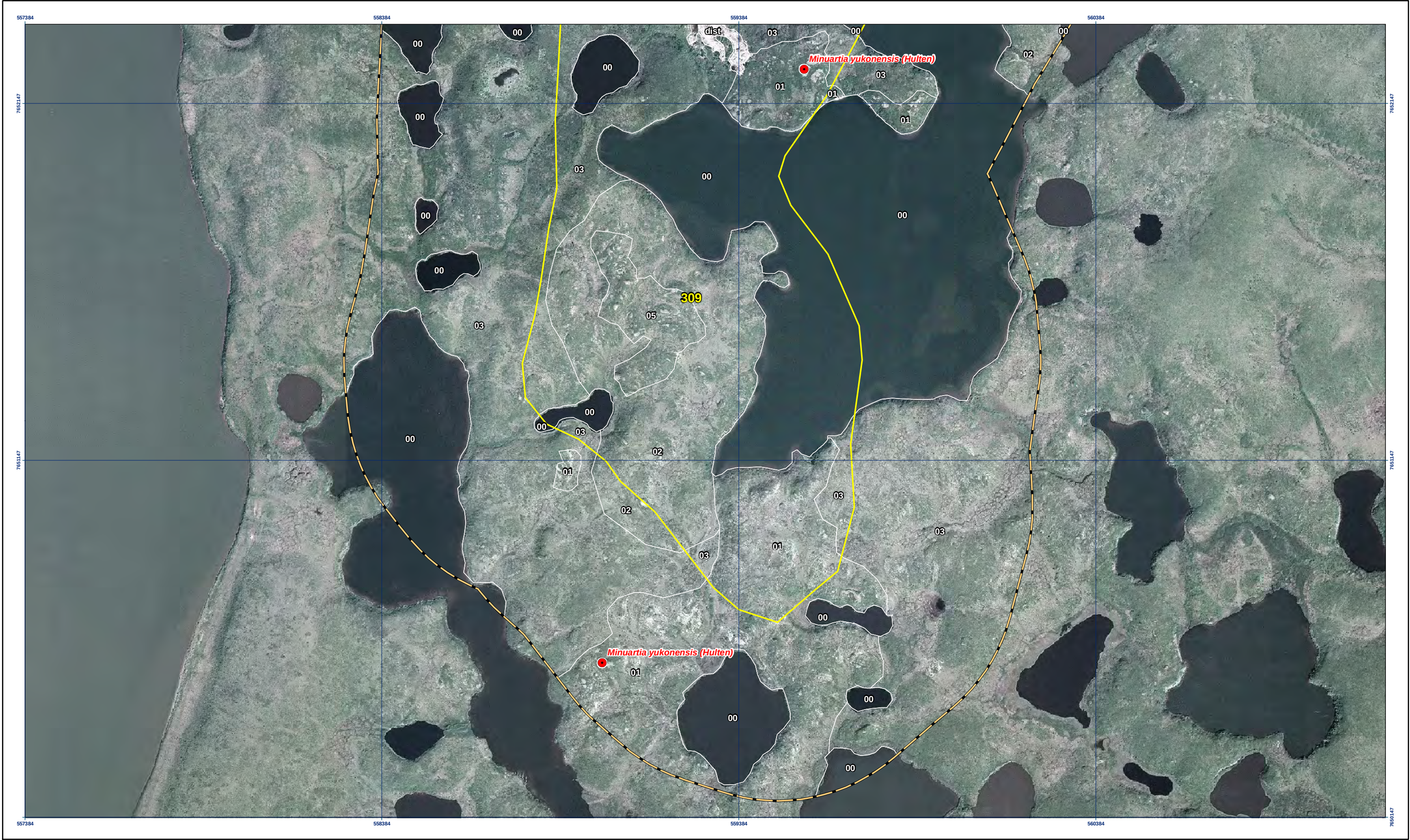
PREPARED BY

PREPARED FOR

FIGURE NO.

42

Let's Reconnect 20130831 jpet10



Project Location

- Rare Plant Location
- Waterfowl Survey Site (# of Species, # of Individuals Observed)
- Preferred Highway Alignment Kilometre Post
- Study Area
- Primary Borrow Sources

Water Crossing (with ID Label)

- Unclassified Crossing
- Minor Crossing < 2.5m
- Crossing > 2.5m & < 5.0m
- Major Crossing > 5.0m

Habitat Classification

- 01 - Dry Saxifrage Tundra
- 02 - Dwarf Shrub Heath
- 03 - Dwarf Shrub Heath/Upland Shrub
- 04 - Cotton-Grass Tussock
- 05 - High-Centred Polygons
- 06 - Low-Centred Polygons
- 07 - Riparian Shrub
- 08 - Riparian Sedge - Cotton-Grass
- 13 - Riparian Black Spruce/Shrub
- d5 - Upland Alaska Birch – Spruce
- h3 - Black Spruce/Ground Birch
- Dist - Disturbed
- 00 - Water

Inuvik – Tuktoyaktuk Highway

Vegetation Atlas with Waterbird Counts

Map 43 of 48

Base Data and Imagery provided by Government of the Northwest Territories; Wildlife Data: Kavik Stantec

N

0 0.125 0.25 0.5 0.75 1

Kilometres 1:10,000

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PREPARED FOR

FIGURE NO.

43

FILE NO. 20120831_jpet10



Project Location

- Rare Plant Location
- Waterfowl Survey Site (# of Species, # of Individuals Observed)
- Preferred Highway Alignment Kilometre Post
- Preferred Highway Alignment
- Study Area
- Primary Borrow Sources

Water Crossing (with ID Label)

- Unclassified Crossing
- Minor Crossing < 2.5m
- Crossing > 2.5m & < 5.0m
- Major Crossing > 5.0m

Habitat Classification

- 01 - Dry Saxifrage Tundra
- 02 - Dwarf Shrub Heath
- 03 - Dwarf Shrub Heath/Upland Shrub
- 04 - Cotton-Grass Tussock
- 05 - High-Centred Polygons
- 06 - Low-Centred Polygons
- 07 - Riparian Shrub
- 08 - Riparian Sedge - Cotton-Grass
- 13 - Riparian Black Spruce/Shrub
- d5 - Upland Alaska Birch - Spruce
- h3 - Black Spruce/Ground Birch
- Dist - Disturbed
- 00 - Water

Inuvik – Tuktoyaktuk Highway

Vegetation Atlas with Waterbird Counts

Map 44 of 48

Base Data and Imagery provided by Government of the Northwest Territories; Wildlife Data: Kavik Stantec

Scale

0 0.125 0.25 0.5 0.75 1

Kilometres 1:10,000

UTM Zone 8 NAD 83

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Northwest Territories

FIGURE NO.
44



Project Location

- Rare Plant Location
- Waterfowl Survey Site (# of Species, # of Individuals Observed)
- Preferred Highway Alignment Kilometre Post
- Preferred Highway Alignment
- Study Area
- Primary Borrow Sources

Water Crossing (with ID Label)

- Unclassified Crossing
- Minor Crossing < 2.5m
- Crossing > 2.5m & < 5.0m
- Major Crossing > 5.0m

Habitat Classification

- 01 - Dry Saxifrage Tundra
- 02 - Dwarf Shrub Heath
- 03 - Dwarf Shrub Heath/Upland Shrub
- 04 - Cotton-Grass Tussock
- 05 - High-Centred Polygons
- 06 - Low-Centred Polygons
- 07 - Riparian Shrub
- 08 - Riparian Sedge - Cotton-Grass
- 13 - Riparian Black Spruce/Shrub
- d5 - Upland Alaska Birch - Spruce
- h3 - Black Spruce/Ground Birch
- Dist - Disturbed
- 00 - Water

Inuvik – Tuktoyaktuk Highway

Vegetation Atlas with Waterbird Counts

Map 45 of 48

Base Data and Imagery provided by Government of the Northwest Territories; Wildlife Data: Kavik Stantec

0 0.125 0.25 0.5 0.75 1

Kilometres 1:10,000

UTM Zone 8 NAD 83

PREPARED BY

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FIGURE NO.

45

Unit: Metres, 2013/05/11 jpetto



Project Location

- Rare Plant Location
- Waterfowl Survey Site (# of Species, # of Individuals Observed)
- Preferred Highway Alignment
- Preferred Highway Alignment Kilometre Post
- Study Area
- Primary Borrow Sources

Water Crossing (with ID Label)

- Unclassified Crossing
- Minor Crossing < 2.5m
- Crossing > 2.5m & < 5.0m
- Major Crossing > 5.0m

Habitat Classification

- 01 - Dry Saxifrage Tundra
- 02 - Dwarf Shrub Heath
- 03 - Dwarf Shrub Heath/Upland Shrub
- 04 - Cotton-Grass Tussock
- 05 - High-Centred Polygons
- 06 - Low-Centred Polygons
- 07 - Riparian Shrub
- 08 - Riparian Sedge - Cotton-Grass
- 13 - Riparian Black Spruce/Shrub
- d5 - Upland Alaska Birch - Spruce
- h3 - Black Spruce/Ground Birch
- Dist - Disturbed
- 00 - Water

Inuvik – Tuktoyaktuk Highway

Vegetation Atlas with Waterbird Counts

Map 46 of 48

Base Data and Imagery provided by Government of the Northwest Territories; Wildlife Data: Kavik Stantec

Scale

0 0.125 0.25 0.5 0.75 1

Kilometres 1:10,000

UTM Zone 8 NAD 83

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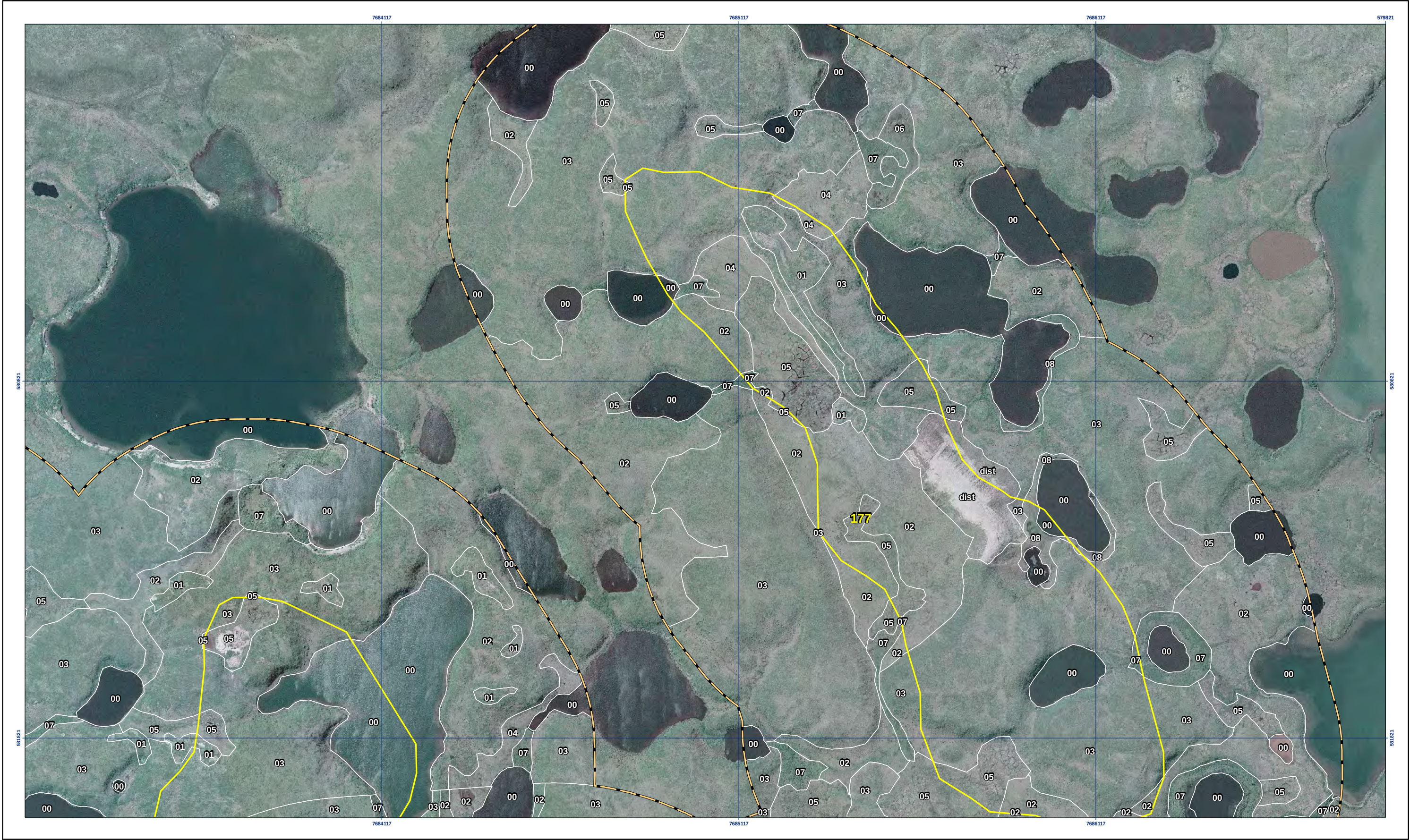
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Northwest Territories

FIGURE NO.

46

FILE NO. 20120831_jp160



Project Location

- Rare Plant Location
- Waterfowl Survey Site (# of Species, # of Individuals Observed)
- Preferred Highway Alignment
- Preferred Highway Alignment
- Study Area
- Primary Borrow Sources

Water Crossing (with ID Label)

- Unclassified Crossing
- Minor Crossing < 2.5m
- Crossing > 2.5m & < 5.0m
- Major Crossing > 5.0m

Habitat Classification

- 01 - Dry Saxifrage Tundra
- 02 - Dwarf Shrub Heath
- 03 - Dwarf Shrub Heath/Upland Shrub
- 04 - Cotton-Grass Tussock
- 05 - High-Centred Polygons
- 06 - Low-Centred Polygons
- 07 - Riparian Shrub
- 08 - Riparian Sedge - Cotton-Grass
- 13 - Riparian Black Spruce/Shrub
- d5 - Upland Alaska Birch - Spruce
- h3 - Black Spruce/Ground Birch
- Dist - Disturbed
- 00 - Water

Inuvik – Tuktoyaktuk Highway

Vegetation Atlas with Waterbird Counts

Map 47 of 48

Base Data and Imagery provided by Government of the Northwest Territories; Wildlife Data: Kavik Stantec

Scale

0 0.125 0.25 0.5 0.75 1

Kilometres 1:10,000

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FIGURE NO.
47



Project Location

- Rare Plant Location
- Waterfowl Survey Site (# of Species, # of Individuals Observed)
- Preferred Highway Alignment Kilometre Post
- Preferred Highway Alignment
- Study Area
- Primary Borrow Sources

Water Crossing (with ID Label)

- Unclassified Crossing
- Minor Crossing < 2.5m
- Crossing > 2.5m & < 5.0m
- Major Crossing > 5.0m

Habitat Classification

- 01 - Dry Saxifrage Tundra
- 02 - Dwarf Shrub Heath
- 03 - Dwarf Shrub Heath/Upland Shrub
- 04 - Cotton-Grass Tussock
- 05 - High-Centred Polygons
- 06 - Low-Centred Polygons
- 07 - Riparian Shrub
- 08 - Riparian Sedge - Cotton-Grass
- 13 - Riparian Black Spruce/Shrub
- d5 - Upland Alaska Birch - Spruce
- h3 - Black Spruce/Ground Birch
- Dist - Disturbed
- 00 - Water

Inuvik – Tuktoyaktuk Highway

Vegetation Atlas with Waterbird Counts

Map 48 of 48

Base Data and Imagery provided by Government of the Northwest Territories; Wildlife Data: Kavik Stantec

0 0.125 0.25 0.5 0.75 1

Kilometres 1:10,000

UTM Zone 8 NAD 83

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FIGURE NO.

48