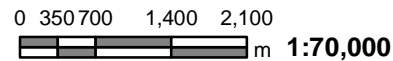
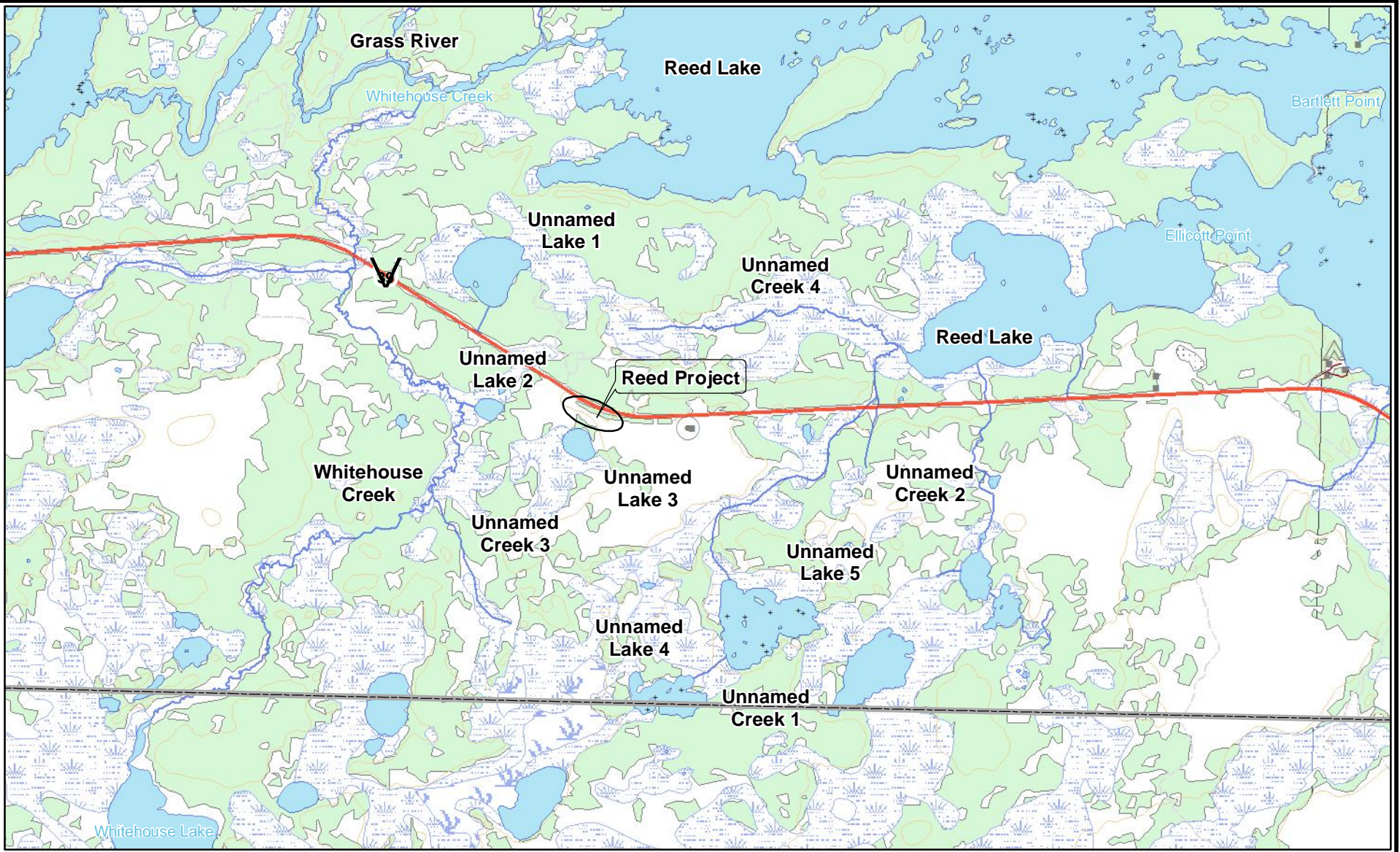


Drawings

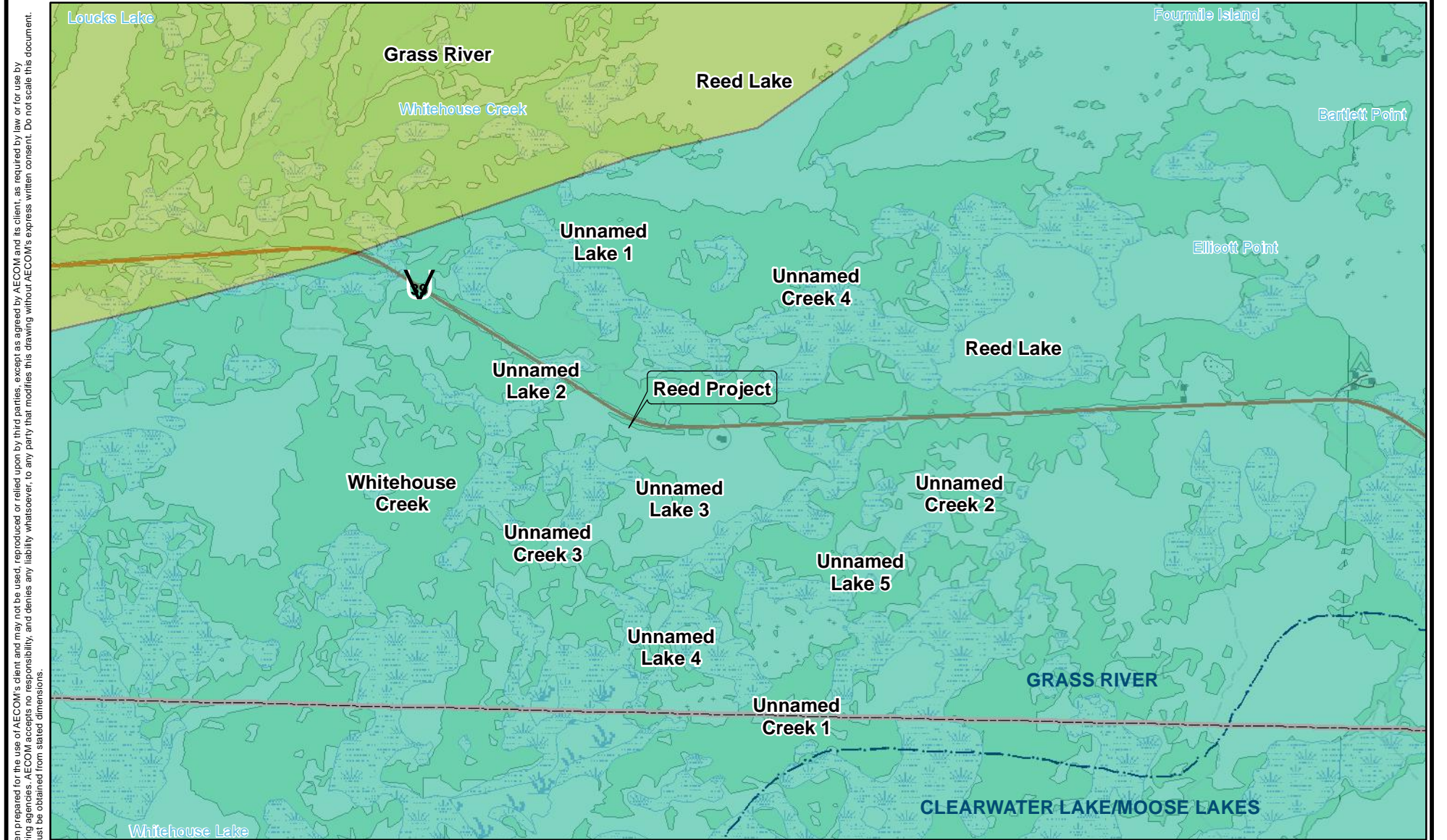
This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.



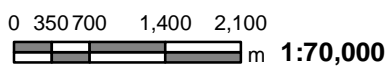
- Legend**
- Grass River Provincial Park
 - Tower

Hudson Bay Mining and Smelting Co. Limited
Reed Project
Environmental Baseline Assessment
Project Area










This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.



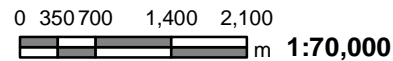
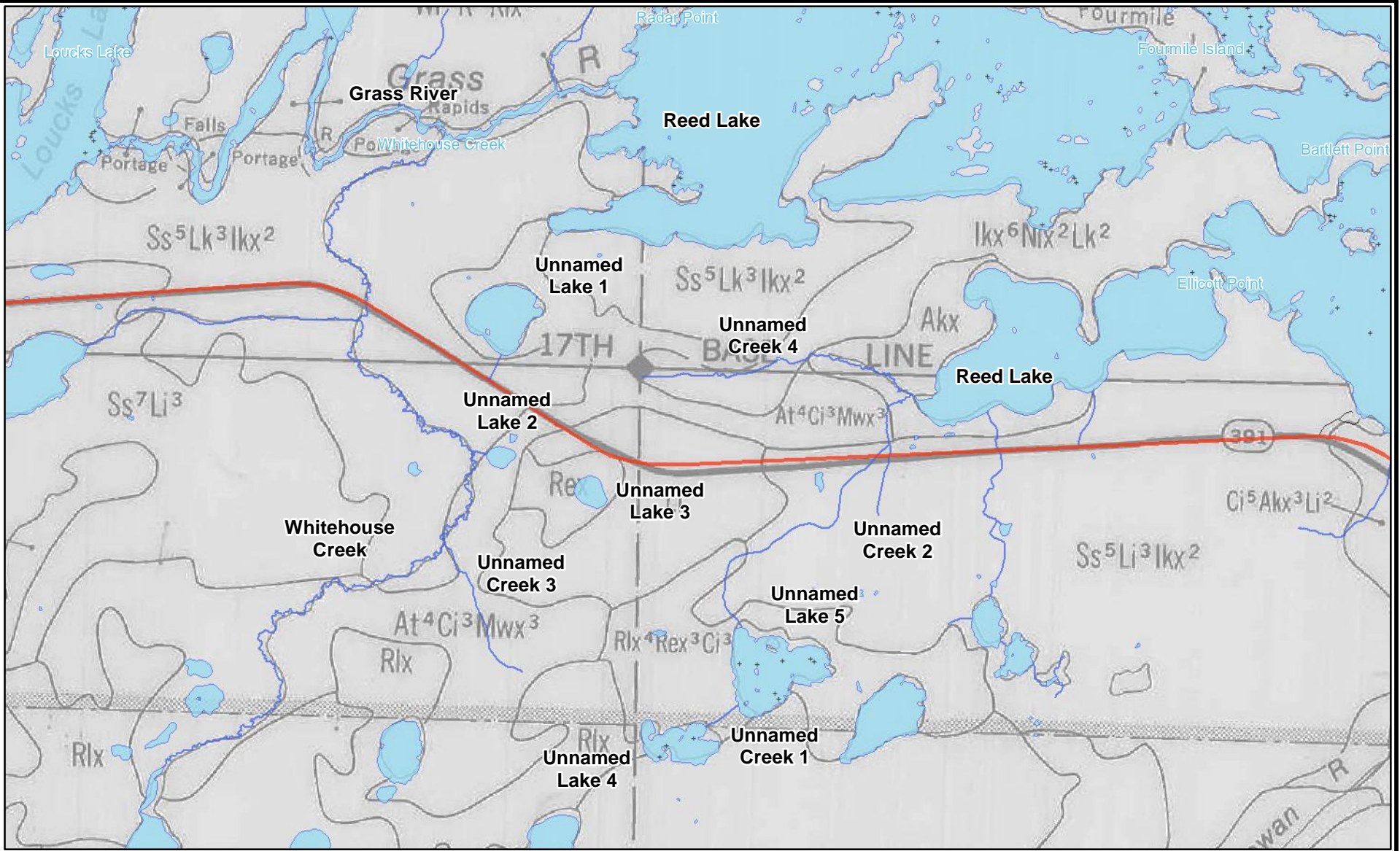
Legend

-  Grass River Provincial Park
-  Watershed Boundary
-  Tower
- Ecodistricts**
-  Reed Lake
-  Cormorant Lake

Hudson Bay Mining and Smelting Co. Limited
 Reed Project
 Environmental Baseline Assessment
Physiographic Setting



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.

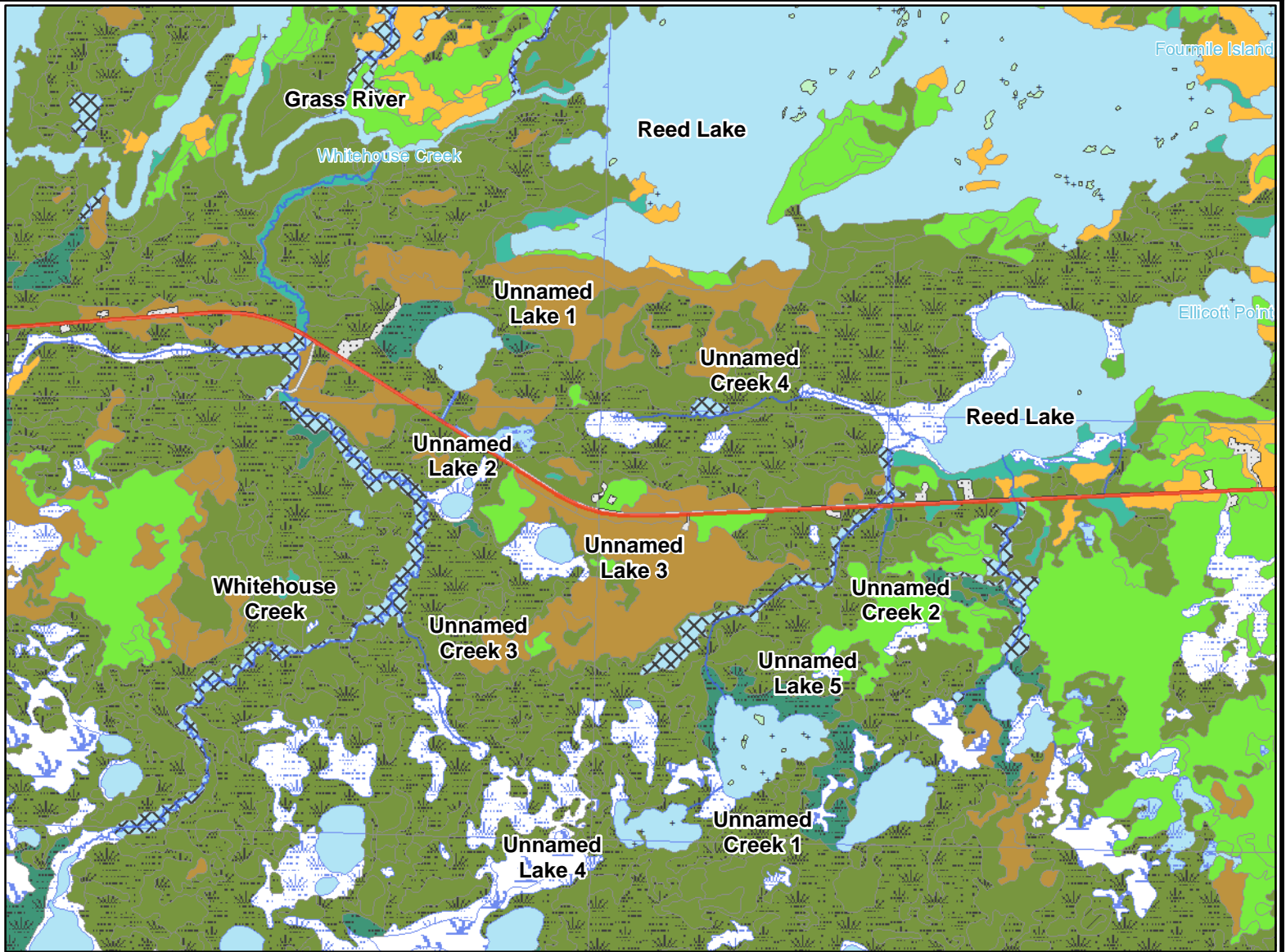


Hudson Bay Mining and Smelting Co. Limited
Reed Project
Environmental Baseline Assessment
Soil Survey

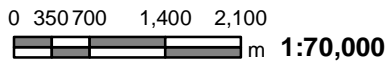


Source: Interm Soil Survey Report of the Cormorant Lake Area, S. Tarnocai, Canada Soil Survey, Winnipeg, 1975

- Landcover**
-  Balsam Fir
 -  Black Spruce
 -  Black Spruce Treed Muskeg
 -  Black Spruce Treed Rock
 -  Dwarf Birch
 -  Jack Pine
 -  Jack Pine Treed Rock
 -  Tamarack
 -  Tamarack Larch Treed Muskeg
 -  Trembling Aspen
 -  White Spruce
 -  Willow
 -  Muskeg
 -  String Bogs
 -  Wet Meadow
 -  Wetland
 -  Small Islands
 -  Beaver Flood
 -  Drainage Ditches
 -  Water
 -  Gravel Pits or Mine sites
 -  Recreational sites
 -  Roads or Railroads
 -  Transmission lines or Pipelines
 -  Townsites or Residential Sites



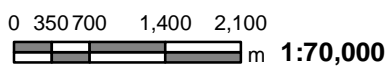
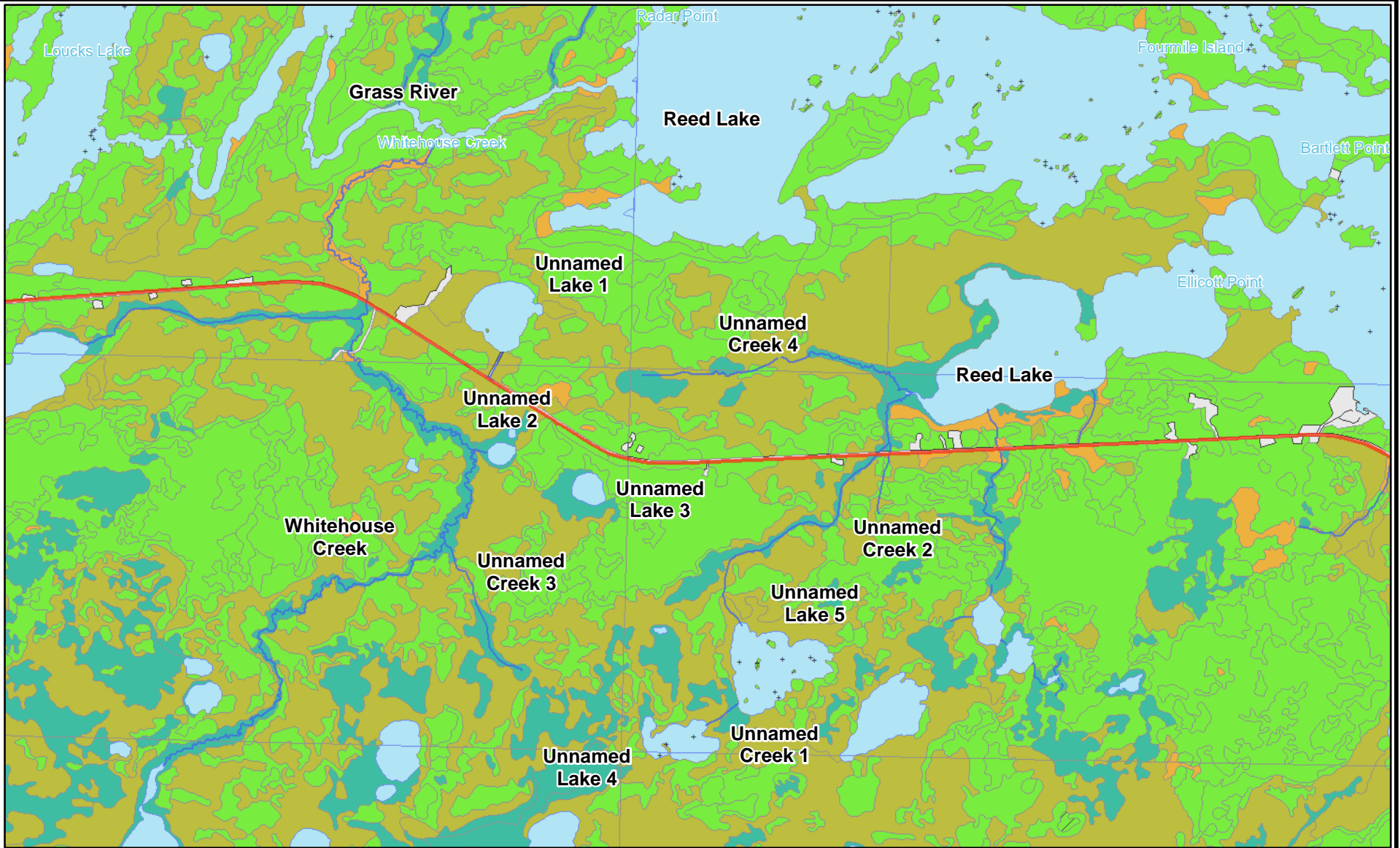
This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.



Hudson Bay Mining and Smelting Co. Limited
Reed Project
Environmental Baseline Assessment
Terrain Analysis
Landcover Type
Drawing - 04



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.

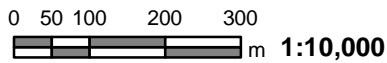
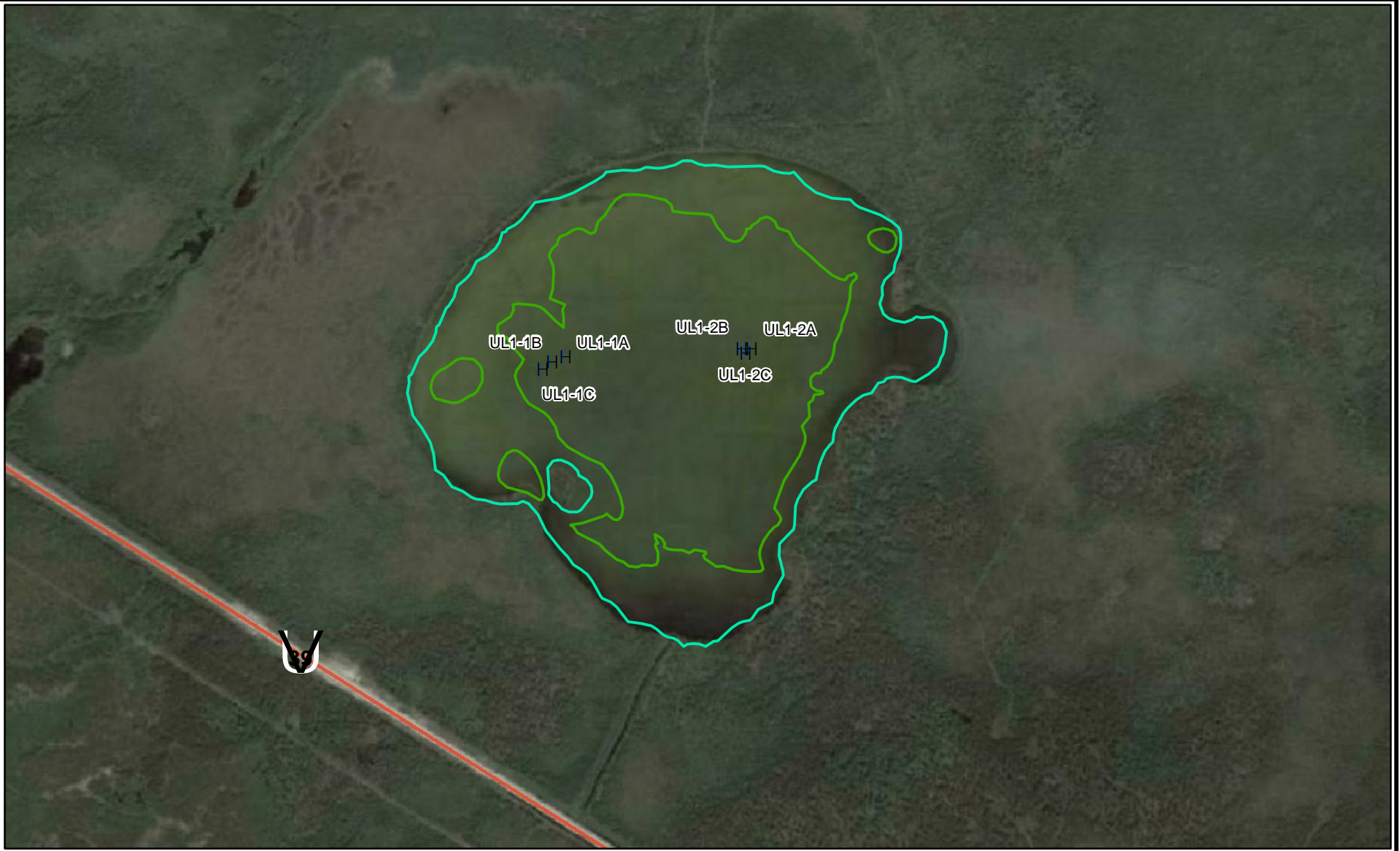


Terrain Units	
 Till	 Organics over Water
 Till over Rock	 Unclassified
 Organics	 Water
 Organics over Till	

Hudson Bay Mining and Smelting Co. Limited
Reed Project
Environmental Baseline Assessment
Terrain Analysis



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.



H Sample Locations
Bathymetry

-  -0.5 m
-  -1.0 m
-  -1.5 m

Hudson Bay Mining and Smelting Co. Limited
Reed Project
Environmental Baseline Assessment
Water and Sediment Sampling Locations
Unnamed Lake 1
Drawing - 06



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.



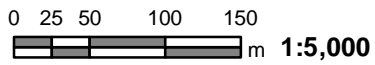
0 25 50 100 150
m 1:5,000

H Sample Locations
Bathymetry
— -0.5 m
— -1.0 m
— -1.5 m

Hudson Bay Mining and Smelting Co. Limited
Reed Project
Environmental Baseline Assessment
Water and Sediment Sampling Locations
Unnamed Lake 2
Drawing - 07



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.

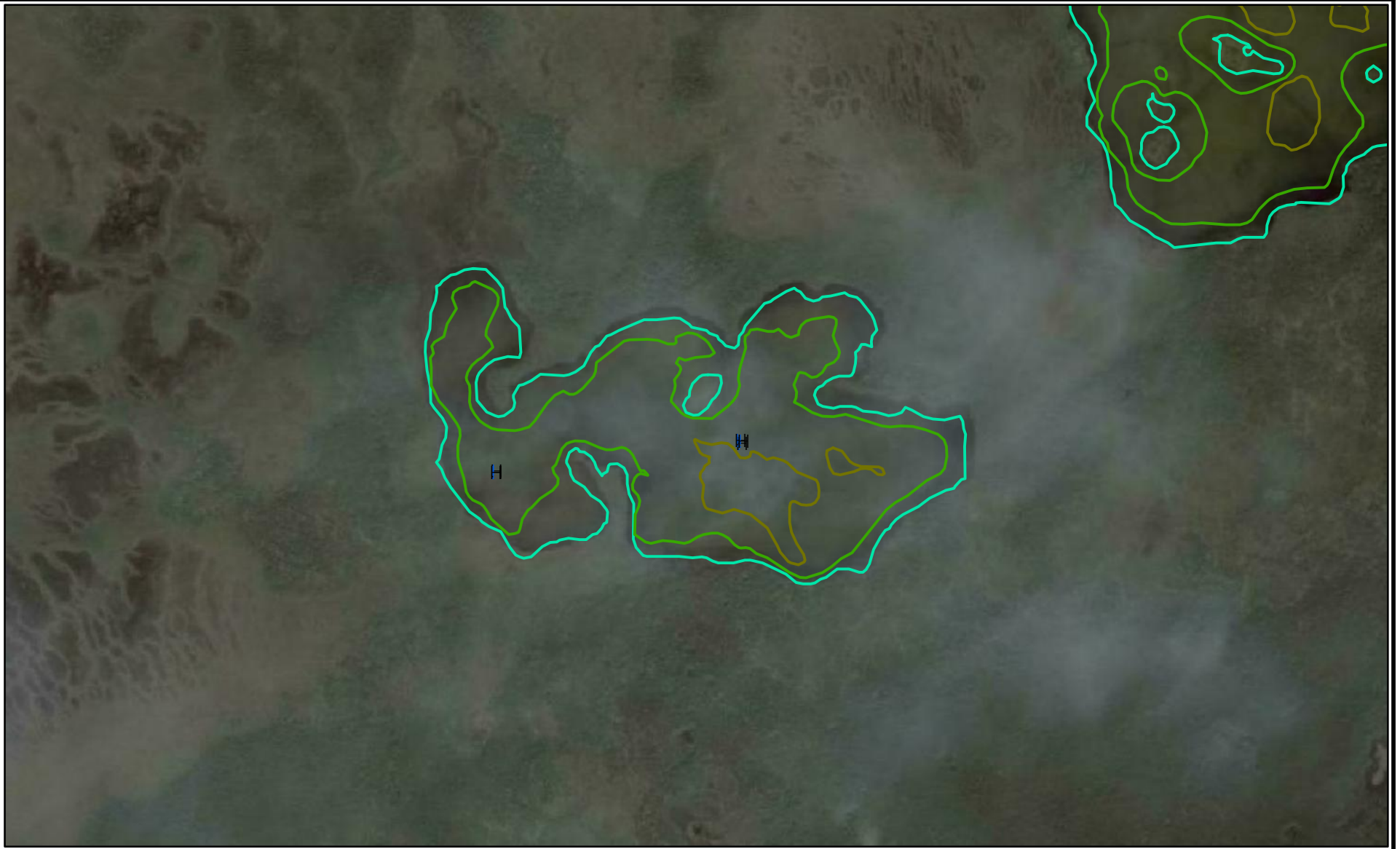


- H Sample Locations
- Bathymetry**
- 0.5 m
 - 1.0 m
 - 1.5 m

Hudson Bay Mining and Smelting Co. Limited
Reed Project
Environmental Baseline Assessment
Water and Sediment Sampling Locations
Unnamed Lake 3
Drawing - 08



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.



0 50 100 200 300
m 1:10,000

H Sample Locations

Bathymetry

— -0.5 m

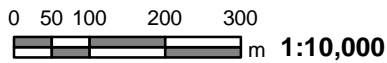
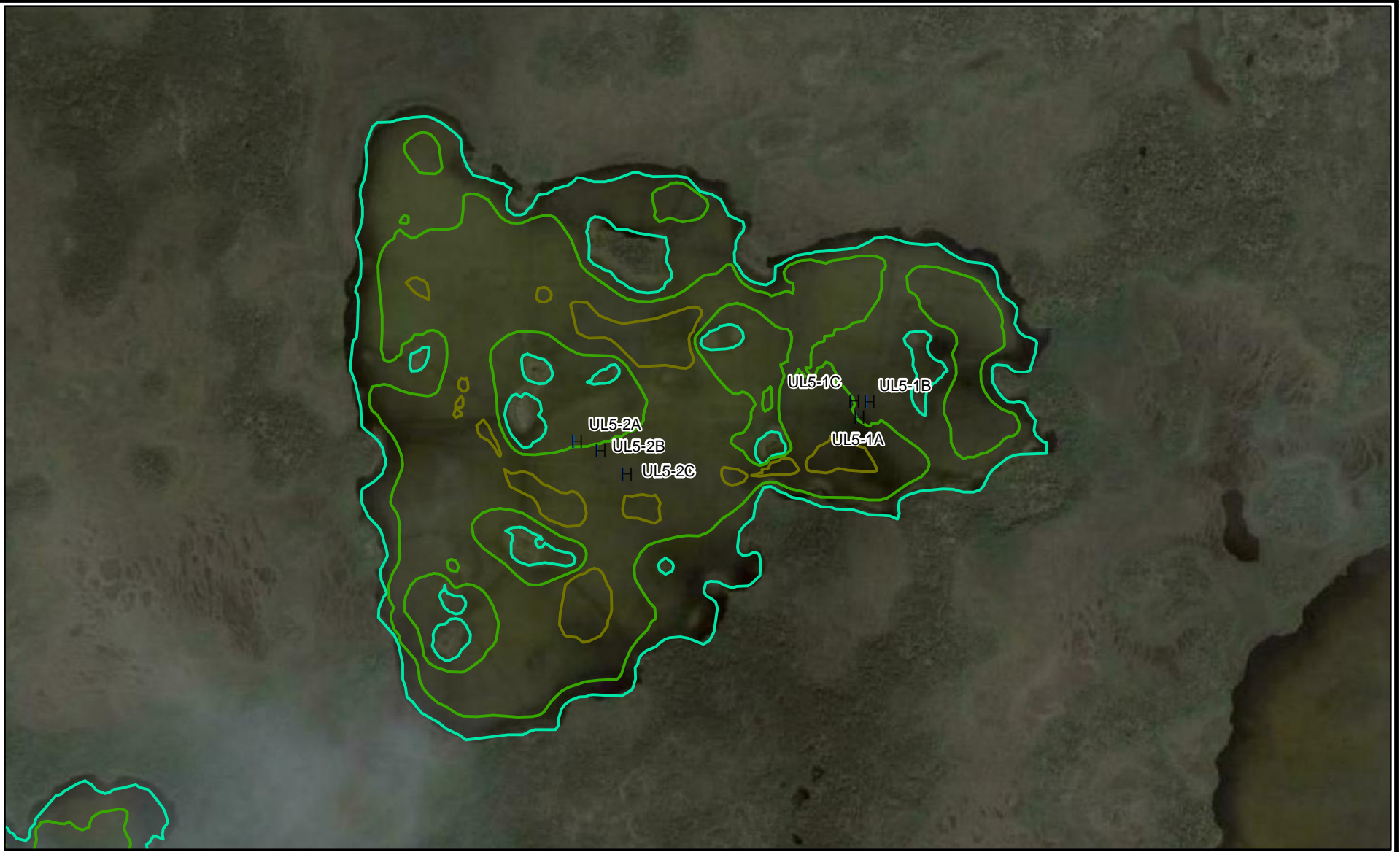
— -1.0 m

— -1.5 m

Hudson Bay Mining and Smelting Co. Limited
Reed Project
Environmental Baseline Assessment
Water and Sediment Sampling Locations
Unnamed Lake 4
Drawing - 09



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.



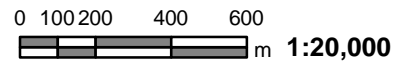
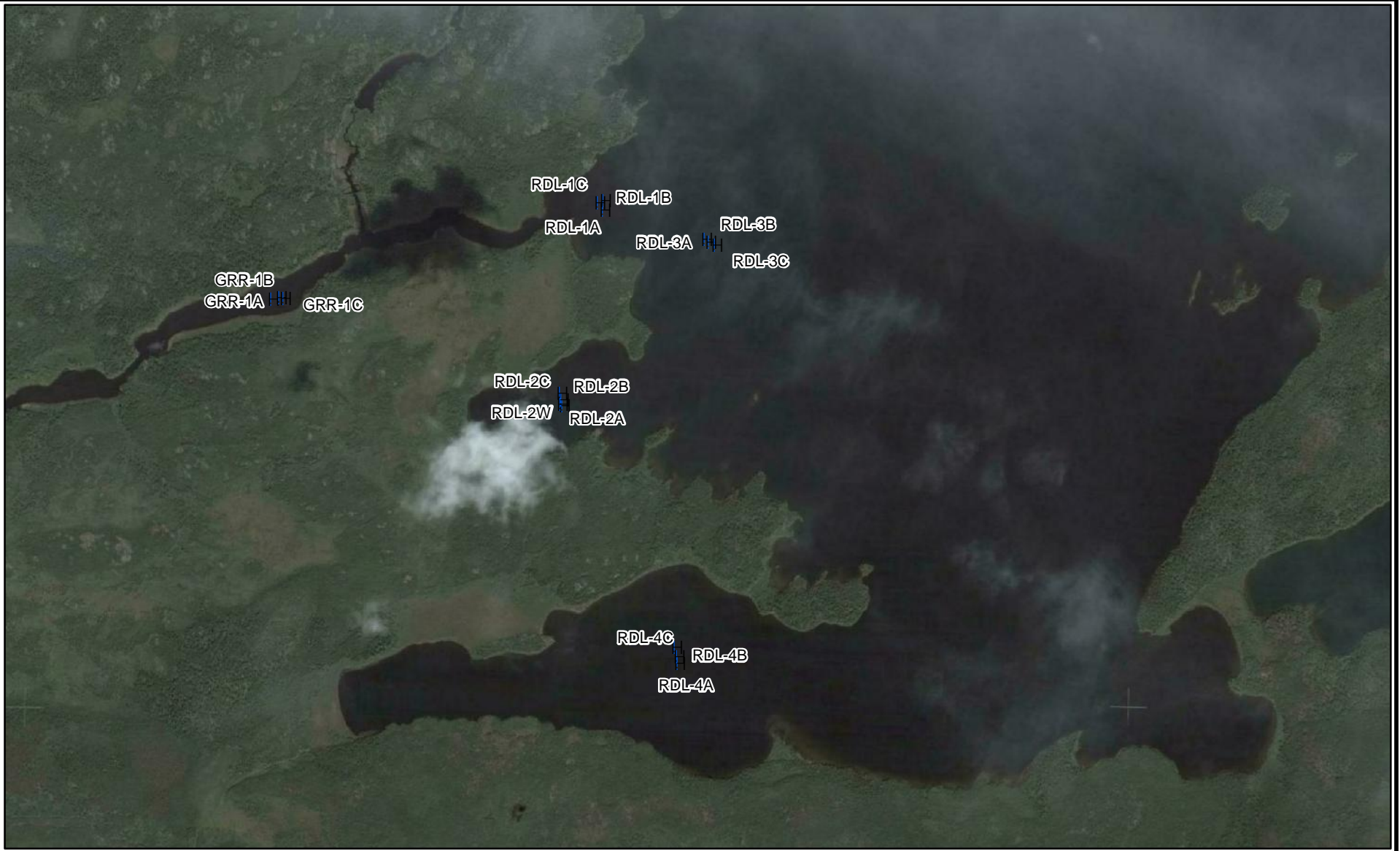
H Sample Locations
Bathymetry

-  -0.5 m
-  -1.0 m
-  -1.5 m



Hudson Bay Mining and Smelting Co. Limited
Reed Project
Environmental Baseline Assessment
Water and Sediment Sampling Locations
Unnamed Lake 5
Drawing - 10

This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.

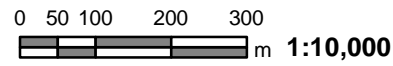


H Sample Locations

Hudson Bay Mining and Smelting Co. Limited
Reed Project
Environmental Baseline Assessment
Water and Sediment Sampling Locations
Reed Lake North Site
Drawing - 11



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.

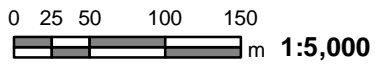


H Sample Locations



Hudson Bay Mining and Smelting Co. Limited
Reed Project
Environmental Baseline Assessment
Water and Sediment Sampling Locations
Reed Lake South Site
Drawing - 12

This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.

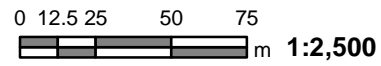


H Sample Locations

Hudson Bay Mining and Smelting Co. Limited
 Reed Project
 Environmental Baseline Assessment
 Water and Sediment Sampling Locations
 Unnamed Creek 2
 Drawing - 13



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.

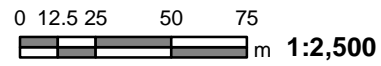


H Sample Locations

Hudson Bay Mining and Smelting Co. Limited
 Reed Project
 Environmental Baseline Assessment
 Water and Sediment Sampling Locations
 Unnamed Creek 3
 Drawing - 14



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.

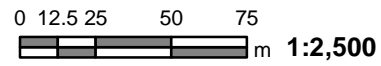
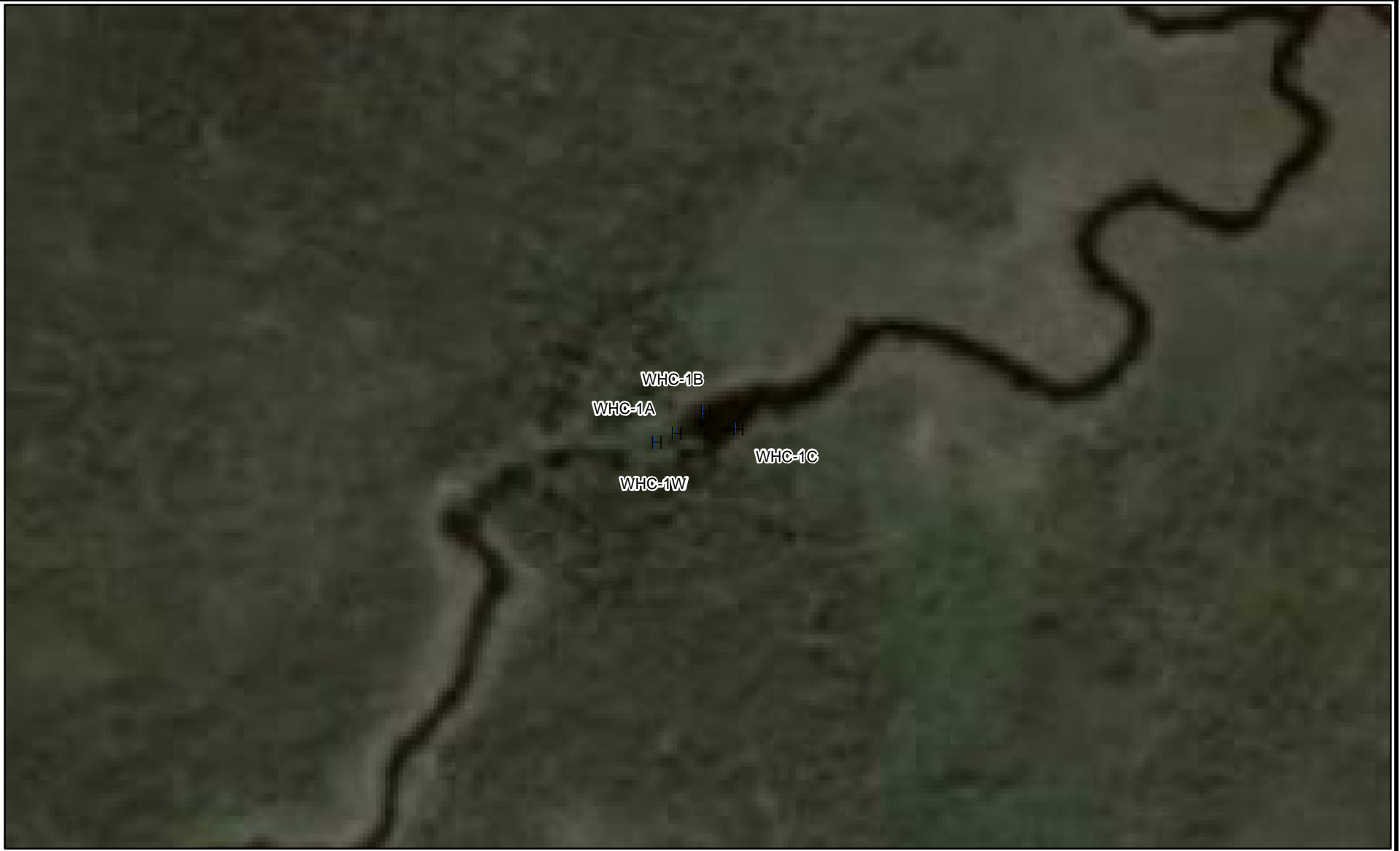


H Sample Locations

Hudson Bay Mining and Smelting Co. Limited
 Reed Project
 Environmental Baseline Assessment
 Water and Sediment Sampling Locations
 Unnamed Creek 4
 Drawing - 15



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.

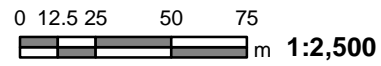
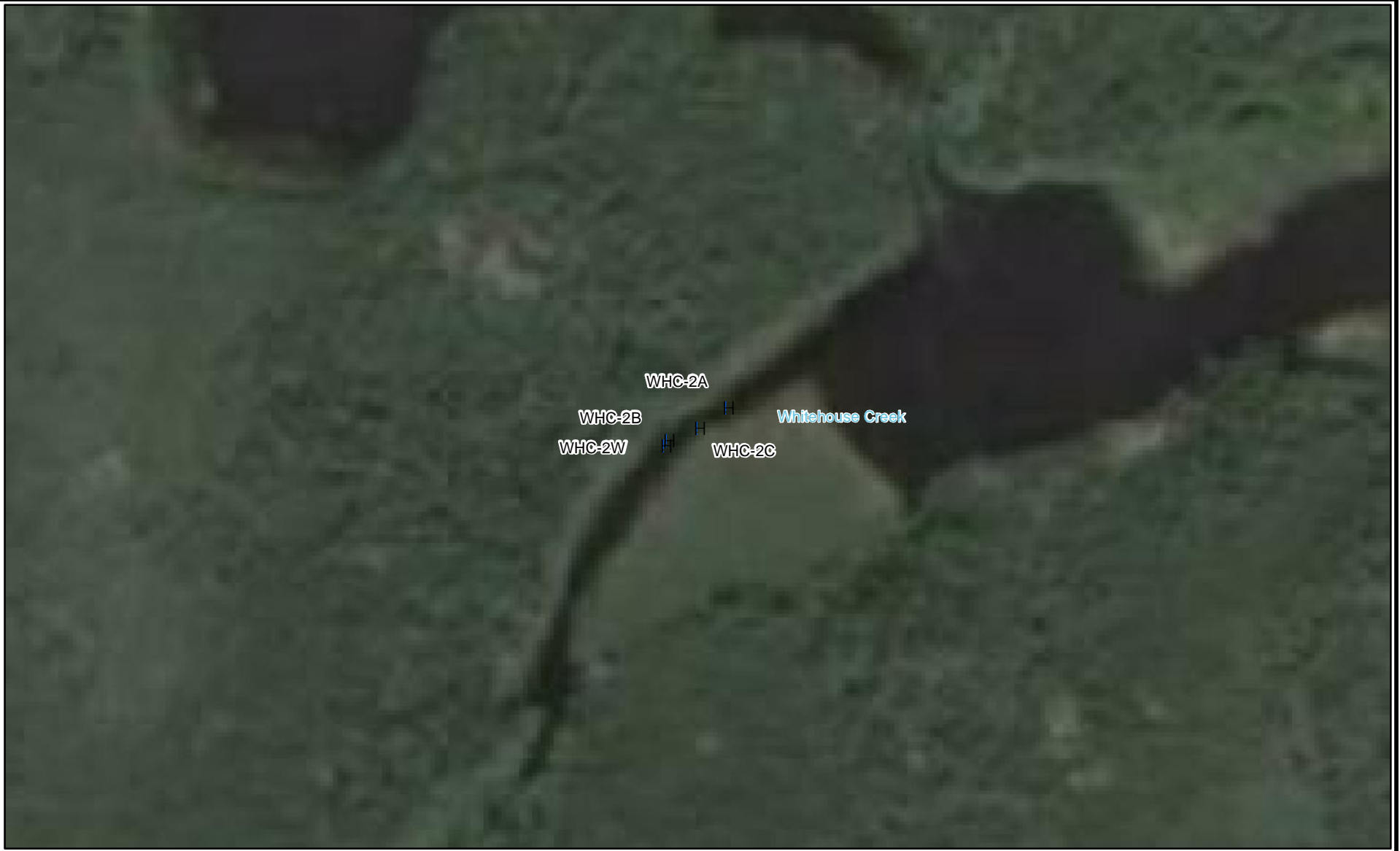


H Sample Locations

Hudson Bay Mining and Smelting Co. Limited
 Reed Project
 Environmental Baseline Assessment
 Water and Sediment Sampling Locations
 Whitehouse Creek 1
 Drawing - 16



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.

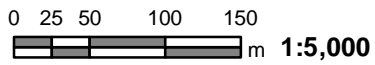


H Sample Locations

Hudson Bay Mining and Smelting Co. Limited
 Reed Project
 Environmental Baseline Assessment
 Water and Sediment Sampling Locations
 Whitehouse Creek 2
 Drawing - 17



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.

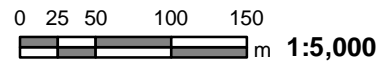


H Sample Locations

Hudson Bay Mining and Smelting Co. Limited
Reed Project
Environmental Baseline Assessment
Water and Sediment Sampling Locations
Grass River 1
Drawing - 18



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.

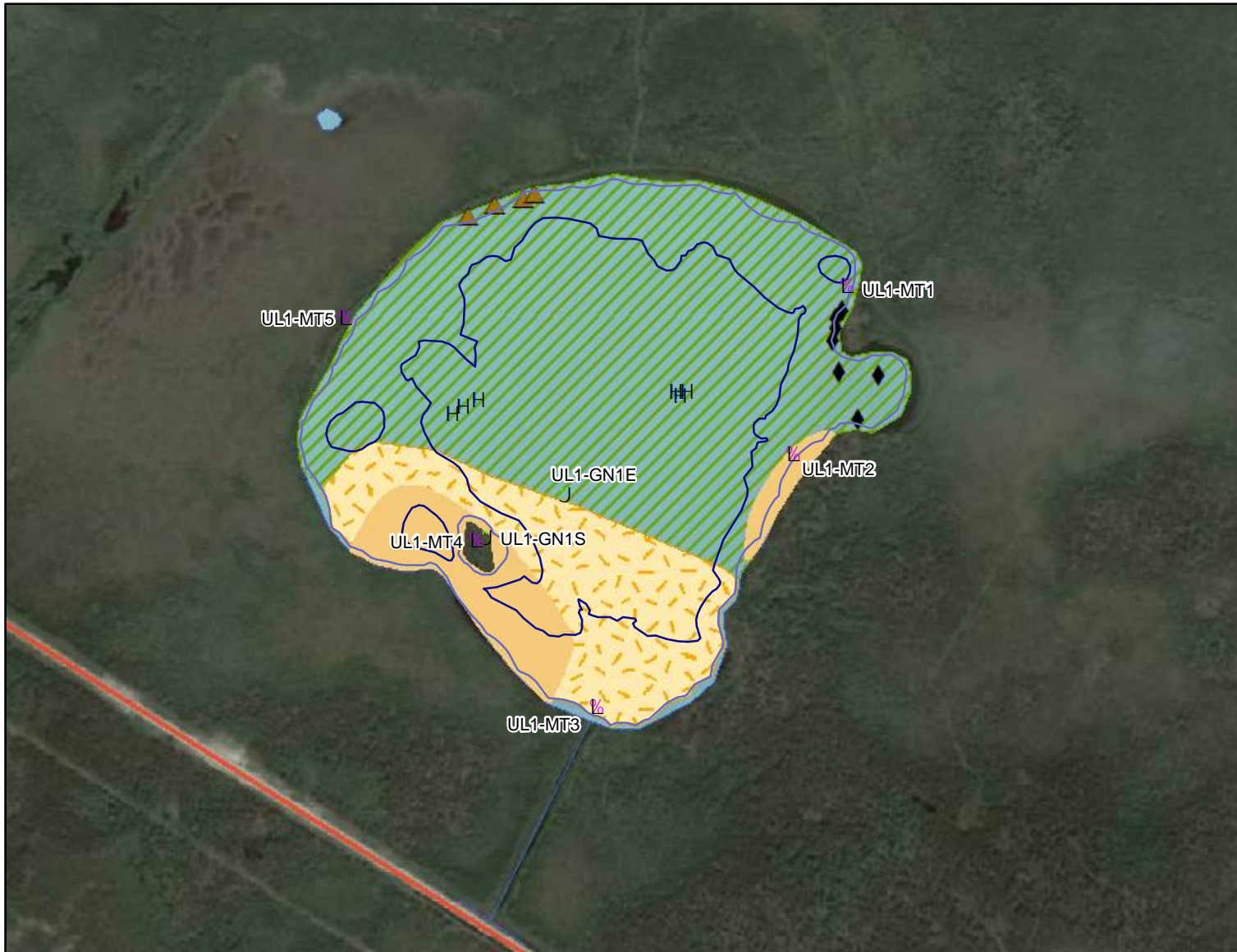


H Sample Locations

Hudson Bay Mining and Smelting Co. Limited
Reed Project
Environmental Baseline Assessment
Water and Sediment Sampling Locations
Grass River 2
Drawing - 19



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.



Fishing Effort

- D-Net
- Electrofishing
- Gill Net
- Minnow Trap
- Seine Net
- Sample Locations

Cover Types

- Woody Debris
- Emergent Vegetation
- Over Hanging Vegetation
- Submergent Vegetation

Substrate

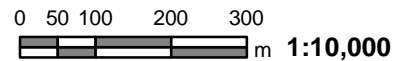
- Organics
- Silt / Organics
- San / Organics
- Cobble / Boulders
- Boulders

Other

- Beaver Dam

Bathymetry

- 1.0 m to 1.5 m
- 0.5 m to 1.0 m

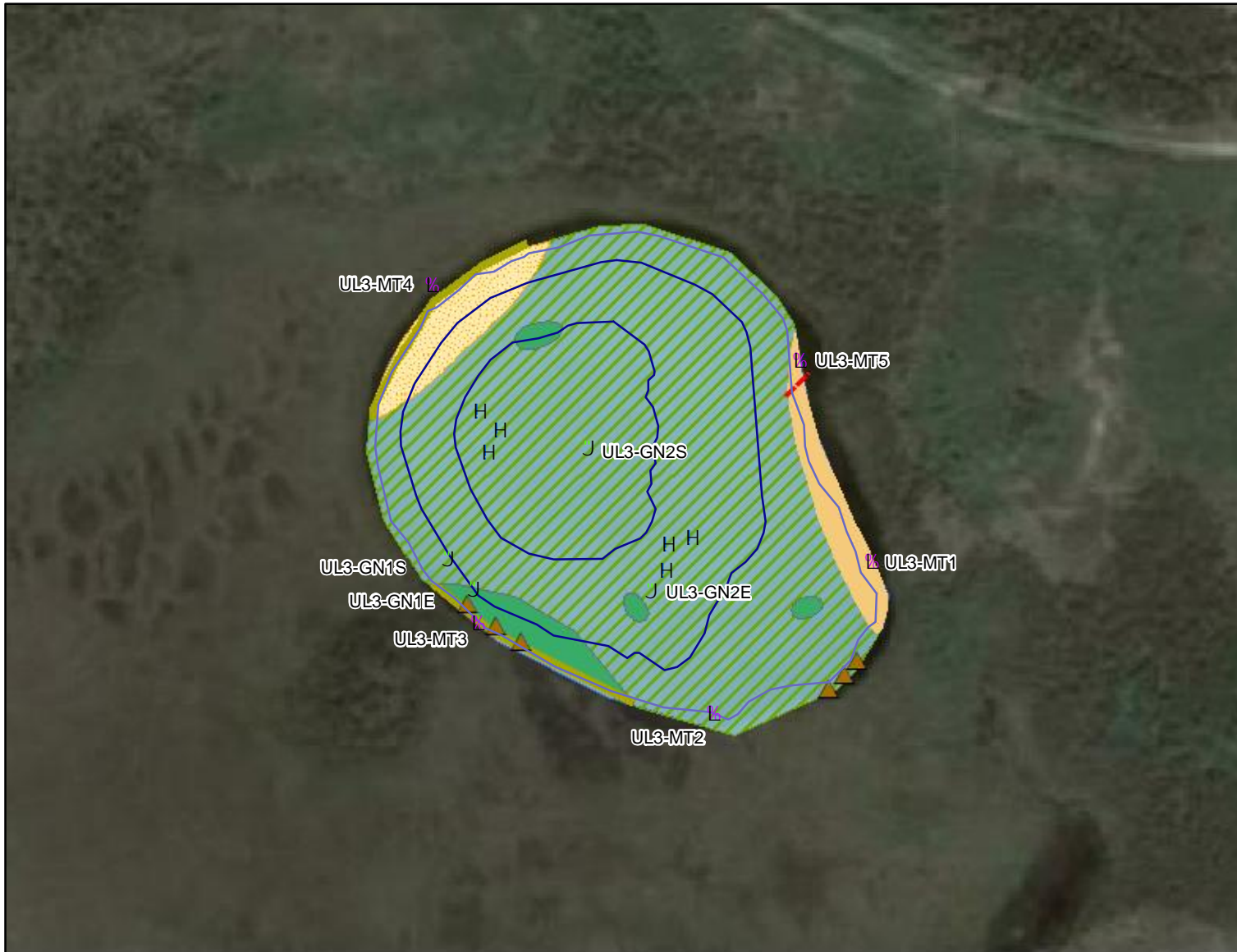


Hudson Bay Mining and Smelting Co. Limited
 Reed Project
 Environmental Baseline Assessment

Habitat Mapping
 Unnamed Lake 1
 Drawing - 20



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.








Fishing Effort

-  D-Net
-  Electrofishing
-  Gill Net
-  Minnow Trap
-  Seine Net
-  Sample Locations

Cover Types

-  Woody Debris
-  Emergent Vegetation
-  Over Hanging Vegetation
-  Submergent Vegetation



Substrate

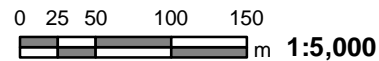
-  Organics
-  Silt / Organics
-  Sand / Organics
-  Cobble / Boulders
-  Boulders

Other

-  Beaver Dam

Bathymetry

-  1.0 m to 1.5 m
-  0.5 m to 1.0 m

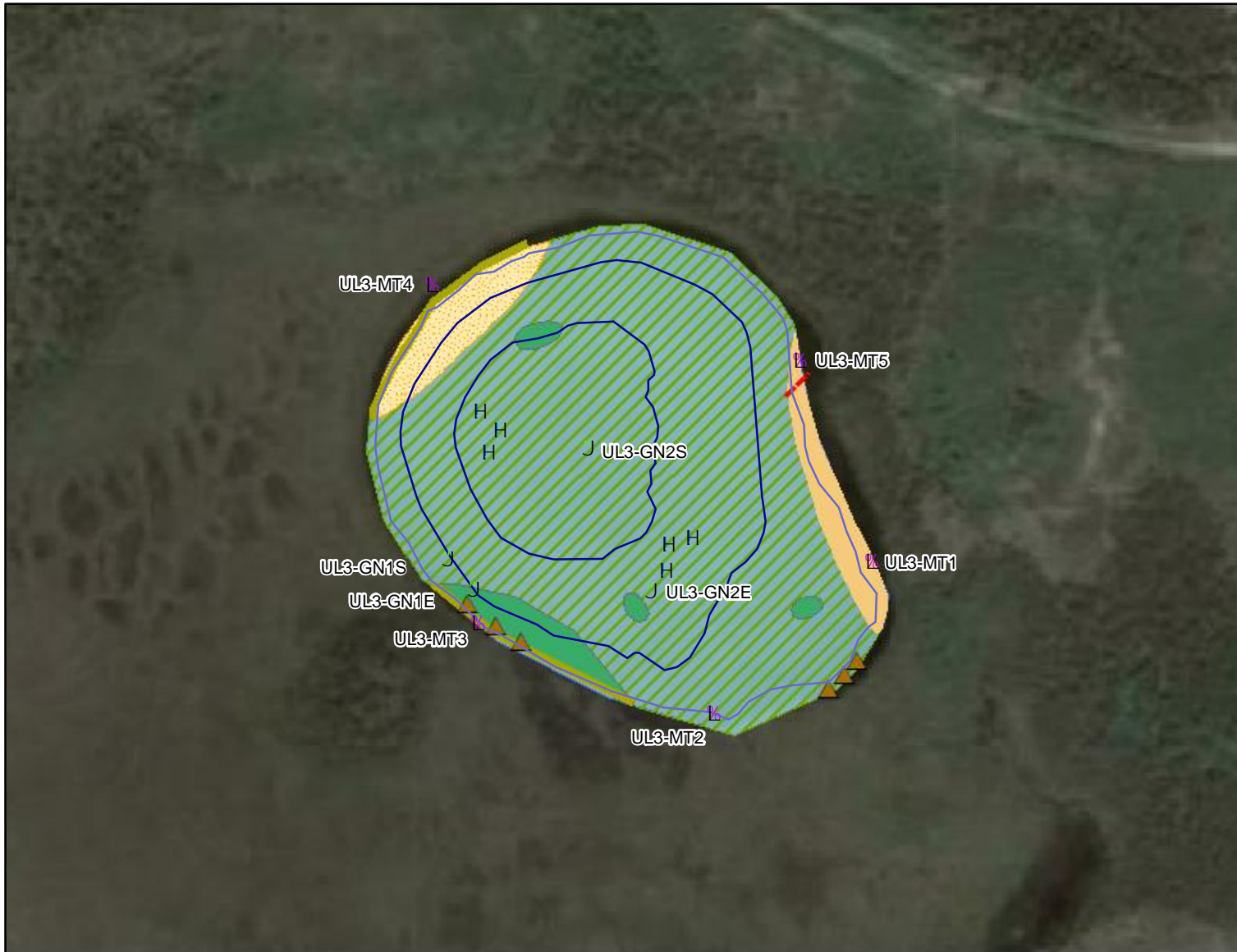


Hudson Bay Mining and Smelting Co. Limited
 Reed Project
 Environmental Baseline Assessment

Habitat Mapping
 Unnamed Lake 2
 Drawing - 21



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.



Fishing Effort

- D-Net
- Electrofishing
- Gill Net
- Minnow Trap
- Seine Net
- Sample Locations

Cover Types

- Woody Debris
- Emergent Vegetation
- Over Hanging Vegetation
- Submergent Vegetation

Substrate

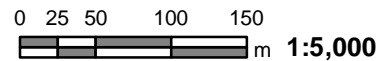
- Organics
- Silt / Organics
- Sand / Organics
- Cobble / Boulders
- Boulders

Other

- Beaver Dam

Bathymetry

- 1.0 m to 1.5 m
- 0.5 m to 1.0 m

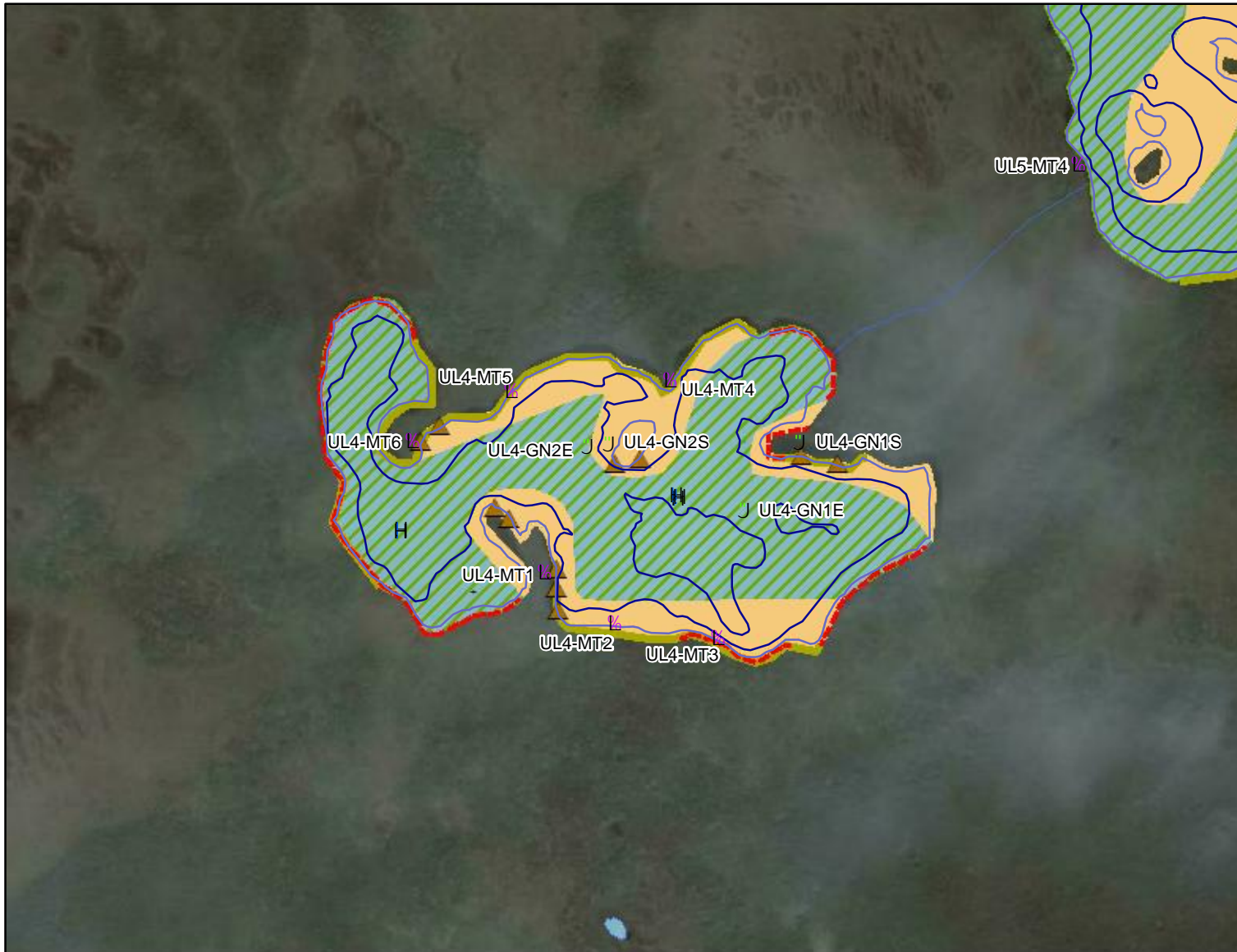


Hudson Bay Mining and Smelting Co. Limited
 Reed Project
 Environmental Baseline Assessment

Habitat Mapping
 Unnamed Lake 3
 Drawing - 22



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.



Fishing Effort

- D-Net
- Electrofishing
- Gill Net
- Minnow Trap
- Seine Net
- Sample Locations

Cover Types

- Woody Debris
- Emergent Vegetation
- Over Hanging Vegetation
- Submergent Vegetation

Substrate

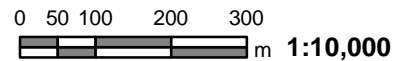
- Organics
- Silt / Organics
- Sand / Organics
- Cobble / Boulders
- Boulders

Other

- Beaver Dam

Bathymetry

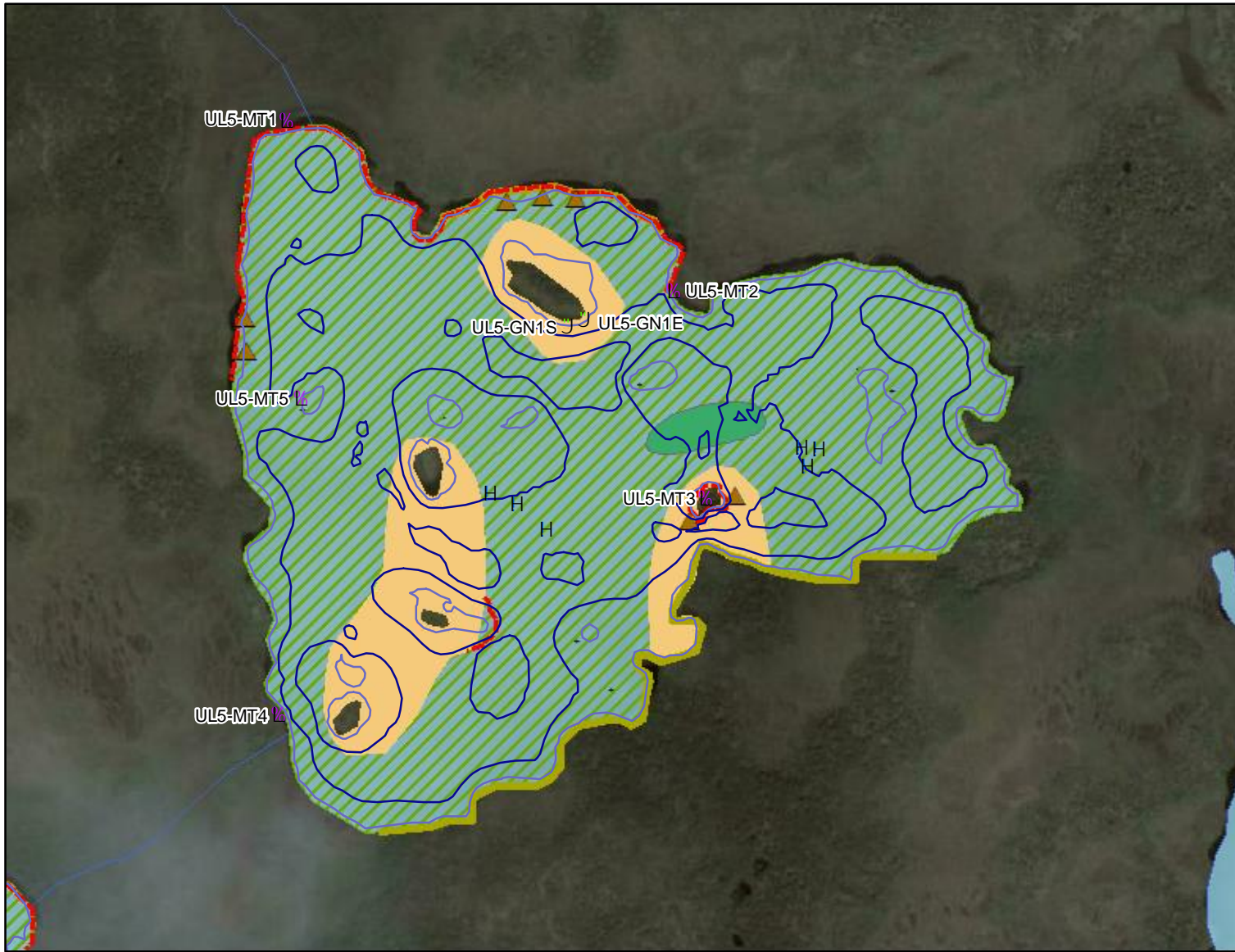
- 1.0 m to 1.5 m
- 0.5 m to 1.0 m



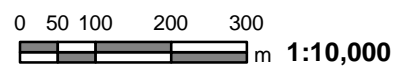
Hudson Bay Mining and Smelting Co. Limited
Reed Project
Environmental Baseline Assessment
Habitat Mapping
Unnamed Lake 4
Drawing - 23



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.



- Fishing Effort**
- D-Net
 - Electrofishing
 - Gill Net
 - Minnow Trap
 - Seine Net
 - Sample Locations
- Cover Types**
- Woody Debris
 - Emergent Vegetation
 - Over Hanging Vegetation
 - Submergent Vegetation
- Substrate**
- Organics
 - Silt / Organics
 - Sand / Organics
 - Cobble / Boulders
 - Boulders
- Other**
- Beaver Dam
- Bathymetry**
- 1.0 m to 1.5 m
 - 0.5 m to 1.0 m



Hudson Bay Mining and Smelting Co. Limited
Reed Project
Environmental Baseline Assessment
Habitat Mapping
Unnamed Lake 5
Drawing - 24



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.



Fishing Effort

- K D-Net
- d Electrofishing
- J Gill Net
- V Minnow Trap
- # Seine Net
- H Sample Locations

Cover Types

- # Woody Debris
- Emergent Vegetation
- Over Hanging Vegetation
- Submergent Vegetation

Substrate

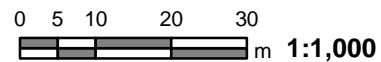
- Organics
- Silt / Organics
- Sand / Organics
- Cobble / Boulders
- X Boulders

Other

- B Beaver Dam

Bathymetry

- 1.0 m to 1.5 m
- 0.5 m to 1.0 m



Hudson Bay Mining and Smelting Co. Limited
 Reed Project
 Environmental Baseline Assessment

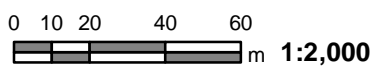
Habitat Mapping
 Whitehouse Creek1
 Drawing - 25



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.



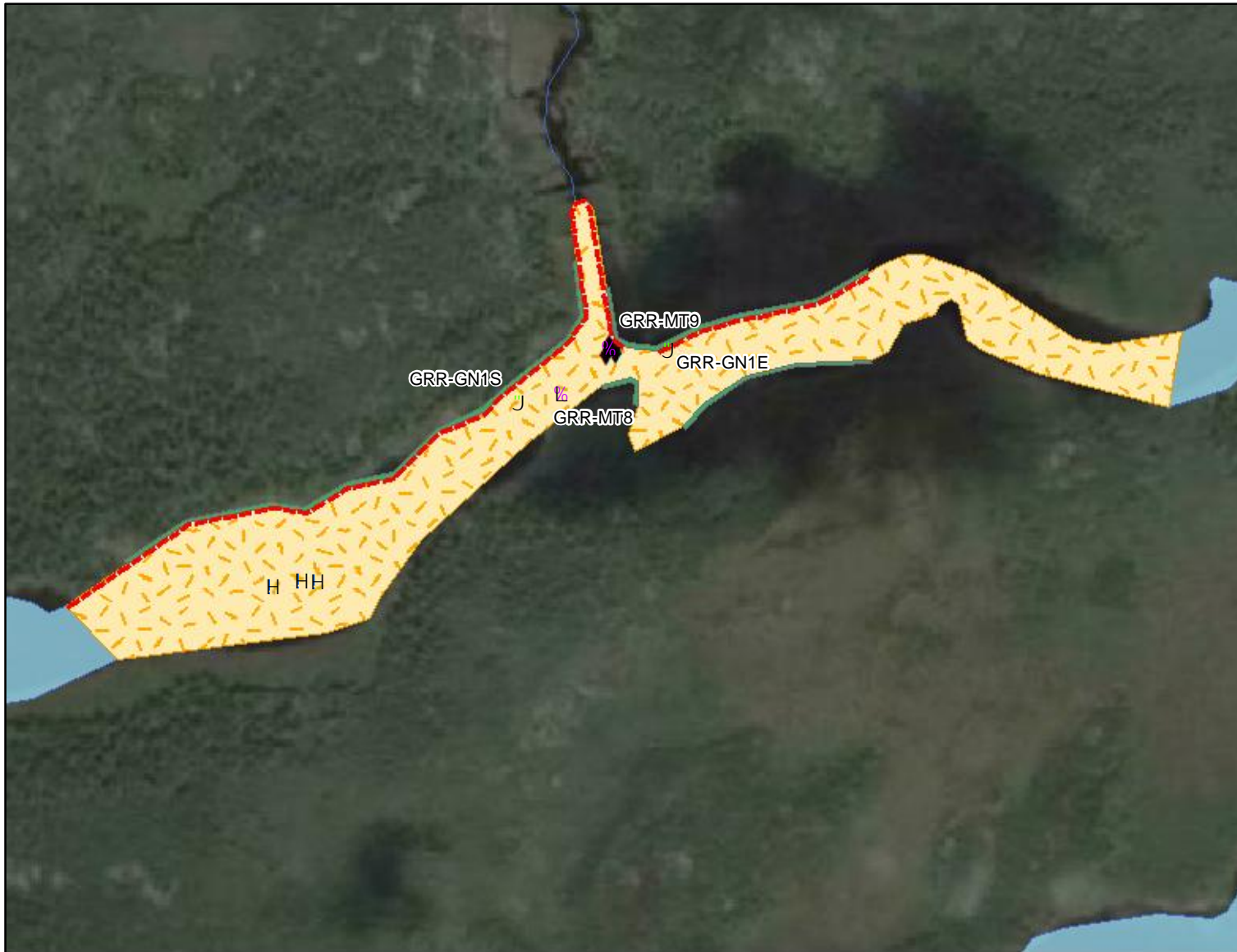
- Fishing Effort**
- D-Net
 - Electrofishing
 - Gill Net
 - Minnow Trap
 - Seine Net
 - Sample Locations
- Cover Types**
- Woody Debris
 - Emergent Vegetation
 - Over Hanging Vegetation
 - Submergent Vegetation
- Substrate**
- Organics
 - Silt / Organics
 - San / Organics
 - Cobble / Boulders
 - Boulders
- Other**
- Beaver Dam
- Bathymetry**
- 1.0 m to 1.5 m
 - 0.5 m to 1.0 m



Hudson Bay Mining and Smelting Co. Limited
Reed Project
Environmental Baseline Assessment
Habitat Mapping
Whitehouse Creek 2
Drawing - 26



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.








Fishing Effort

-  D-Net
-  Electrofishing
-  Gill Net
-  Minnow Trap
-  Seine Net
-  Sample Locations

Cover Types

-  Woody Debris
-  Emergent Vegetation
-  Over Hanging Vegetation
-  Submergent Vegetation



Substrate

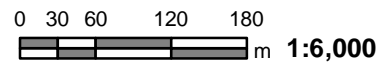
-  Organics
-  Silt / Organics
-  Sand / Organics
-  Cobble / Boulders
-  Boulders

Other

-  Beaver Dam

Bathymetry

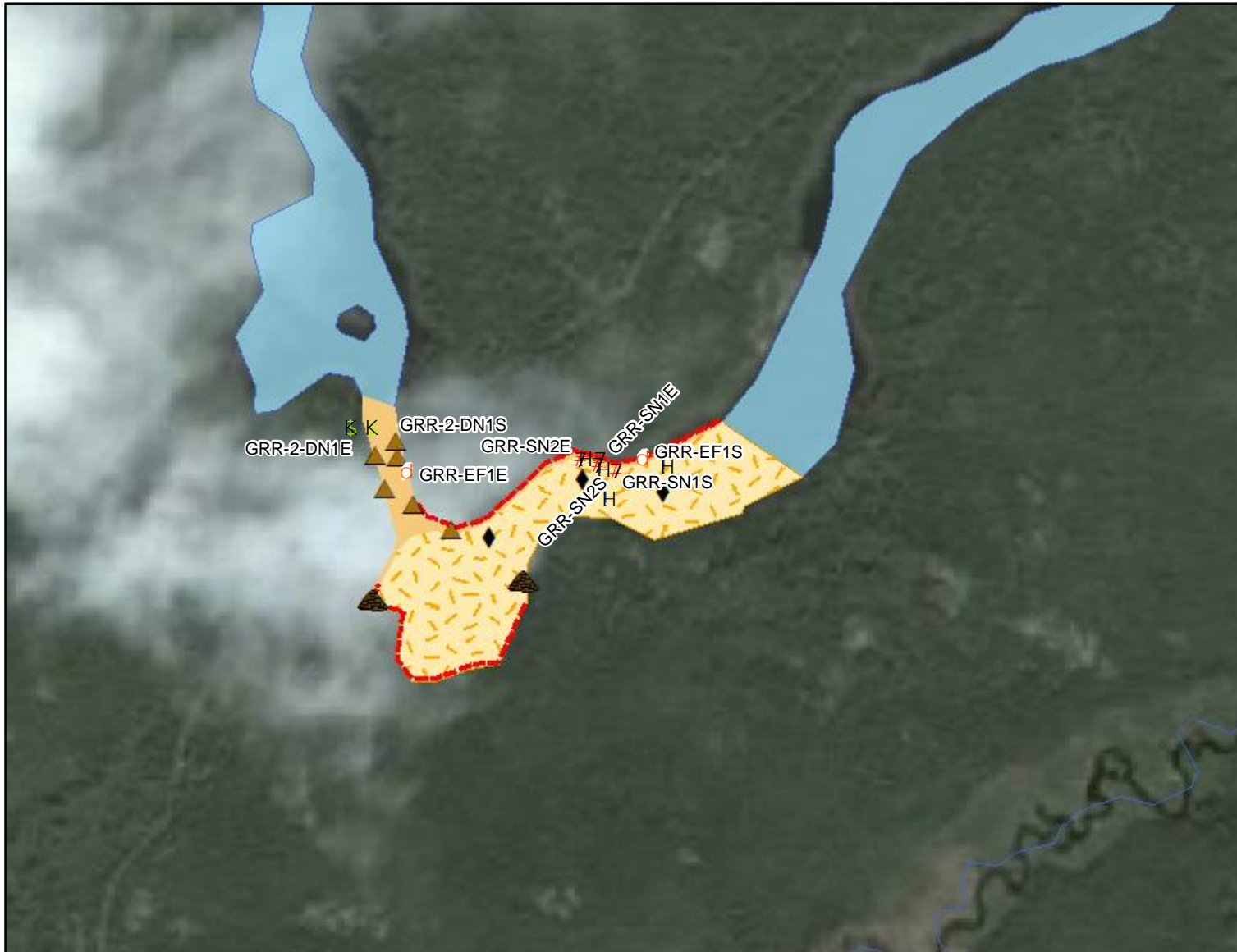
-  1.0 m to 1.5 m
-  0.5 m to 1.0 m



Hudson Bay Mining and Smelting Co. Limited
Reed Project
Environmental Baseline Assessment
Habitat Mapping
Grass River 1
Drawing - 27



This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.



Fishing Effort

- D-Net
- Electrofishing
- Gill Net
- Minnow Trap
- Seine Net
- Sample Locations

Cover Types

- Woody Debris
- Emergent Vegetation
- Over Hanging Vegetation
- Submergent Vegetation

Substrate

- Organics
- Silt / Organics
- Sand / Organics
- Cobble / Boulders
- Boulders

Other

- Beaver Dam

Bathymetry

- 1.0 m to 1.5 m
- 0.5 m to 1.0 m

Hudson Bay Mining and Smelting Co. Limited
 Reed Project
 Environmental Baseline Assessment

Habitat Mapping
 Grass River 2
 Drawing - 28

