

APPENDIX P

CHURCHILL RIVER CURRENT CLIMATE FLOOD RISK MAPS





LEGEND:

- Water Survey of Canada Gauge Location
- River Centreline
- 1:20 Year Open Water Flood Zone
- 1:100 Year Open Water Flood Zone
- Map Extents

NOTES:

1. Imagery is supplied by ATLAS Geomatics and dated as September 11 – 13, 2019, and by ESRI and DigitalGlobe, WV02 dated June 3, 2015.



SCALE: 1:100,000 METRIC 11"x17"

All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM)
Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

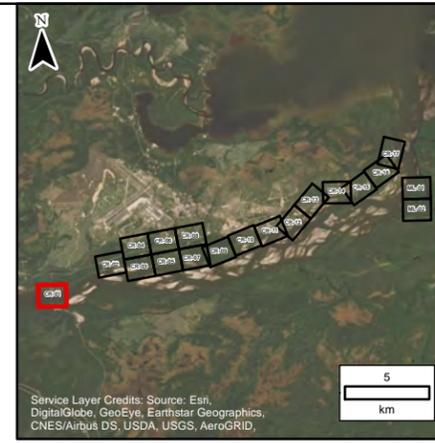
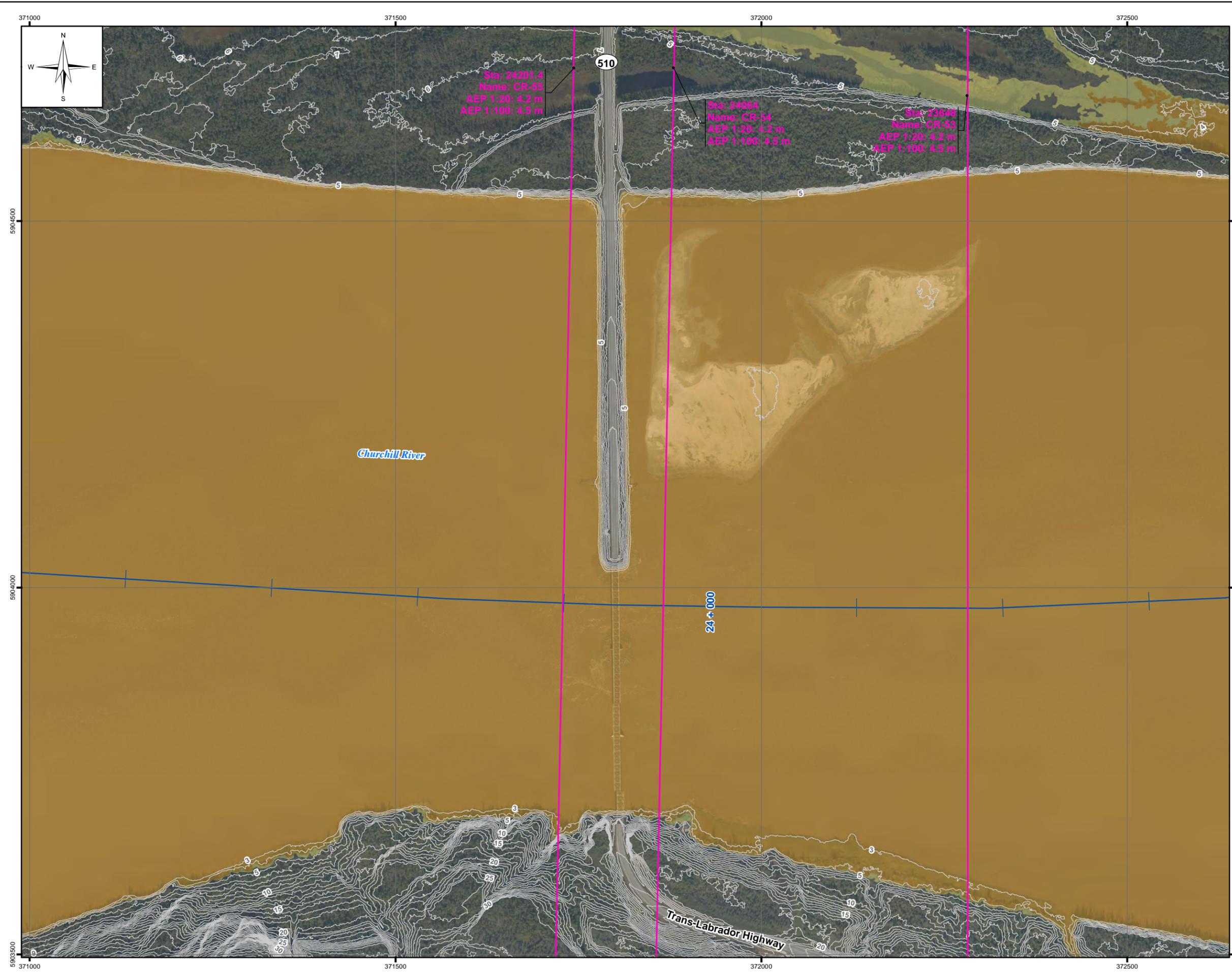
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CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – OVERVIEW MAP

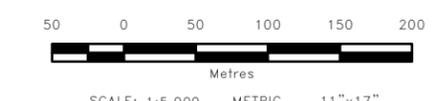
JUNE 2020	FIGURE 1.1	REV: 0
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LEGEND:

- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour
- 1:20 Year Open Water Flood Zone
- 1:100 Year Open Water Flood Zone

- NOTES:**
1. Imagery is supplied by ATLAS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATLAS Geomatics on September 11 – 13, 2019.



All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM), Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

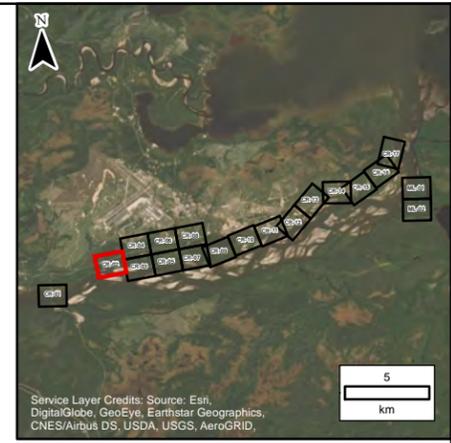
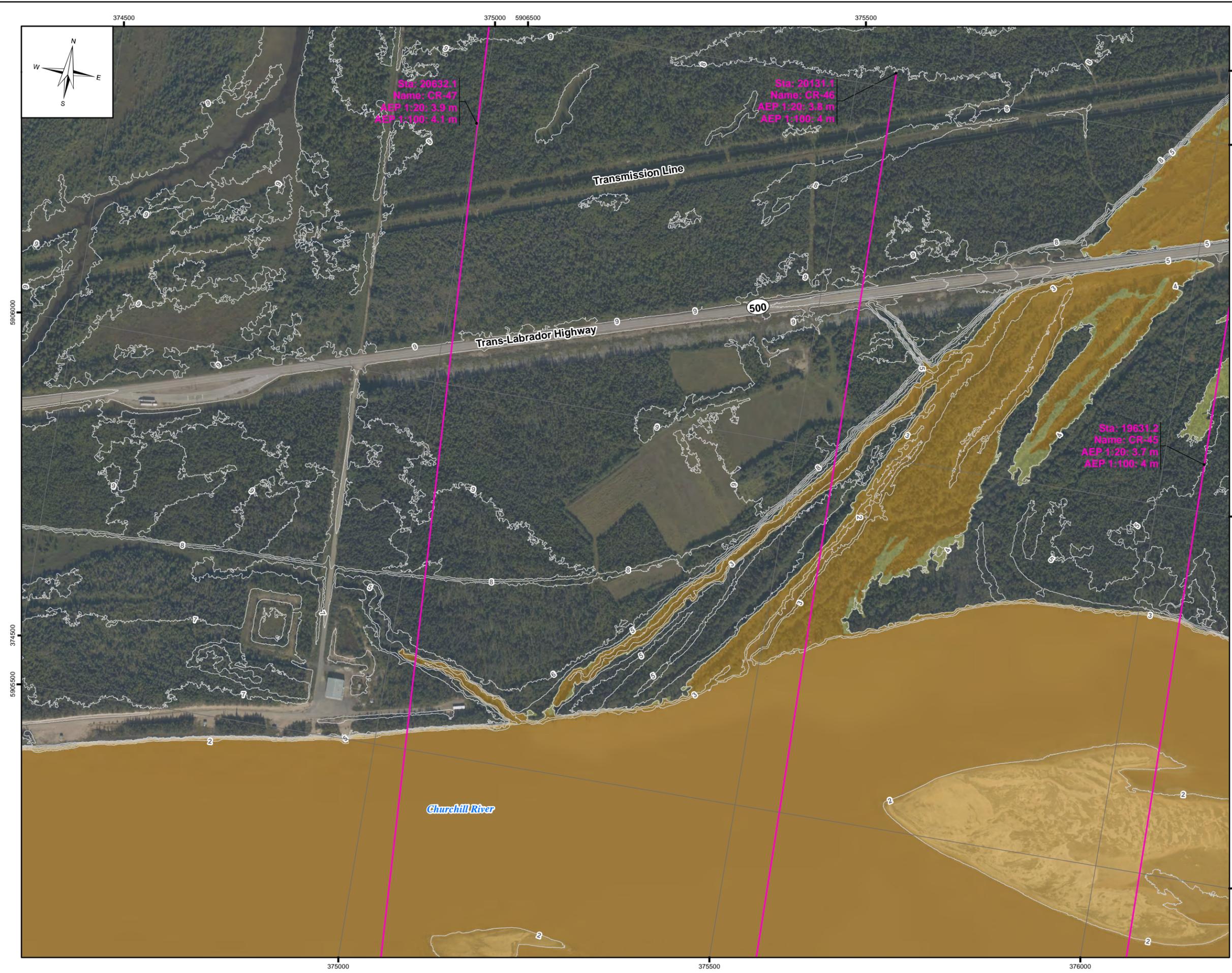
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

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CHURCHILL RIVER FLOOD RISK AND FORECASTING

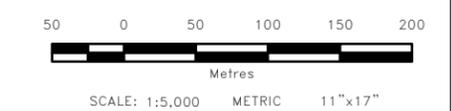
OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-01

JUNE 2020	FIGURE 1.2	REV: 0
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- LEGEND:**
- Sta: 20632.1
Name: CR-47
AEP 1:20: 3.9 m
AEP 1:100: 4.1 m
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - 1:20 Year Open Water Flood Zone
 - 1:100 Year Open Water Flood Zone

- NOTES:**
1. Imagery is supplied by ATGIS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATGIS Geomatics on September 11 – 13, 2019.

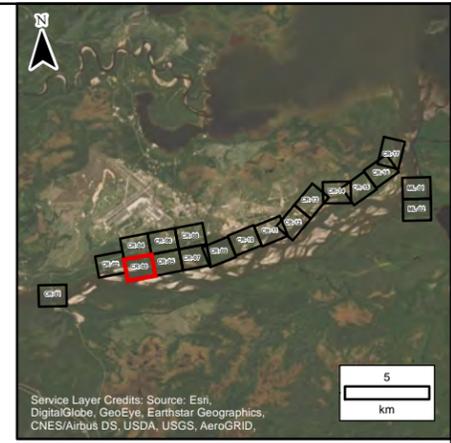
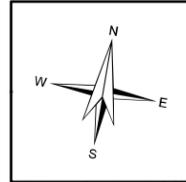
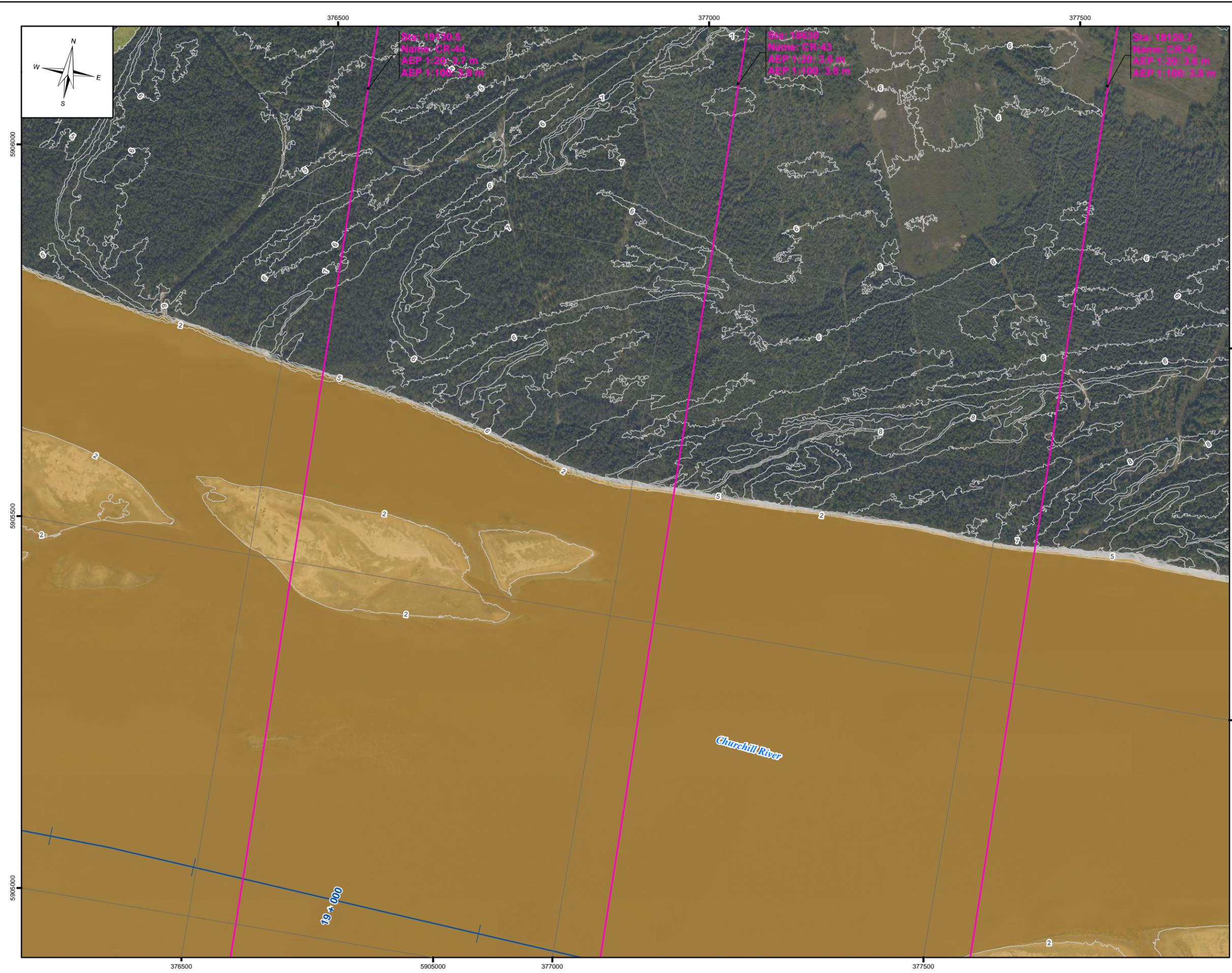


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM).
Zone 4. Elevations are in metres above sea level (MSL).
Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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CHURCHILL RIVER FLOOD RISK AND FORECASTING	
OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-02	
JUNE 2020	FIGURE 1.2
	REV: 0

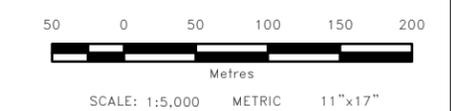


LEGEND:

- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- 1:20 Year Open Water Flood Zone
- 1:100 Year Open Water Flood Zone

NOTES:

1. Imagery is supplied by ATGIS Geomatics and dated as September 11 – 13, 2019.
2. Topography shown was developed by KGS Group from the LiDAR captured by ATGIS Geomatics on September 11 – 13, 2019.



All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM), Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

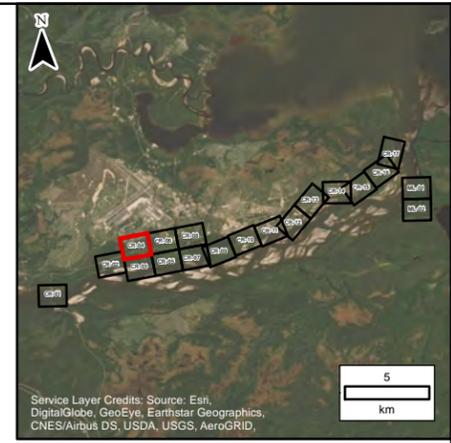
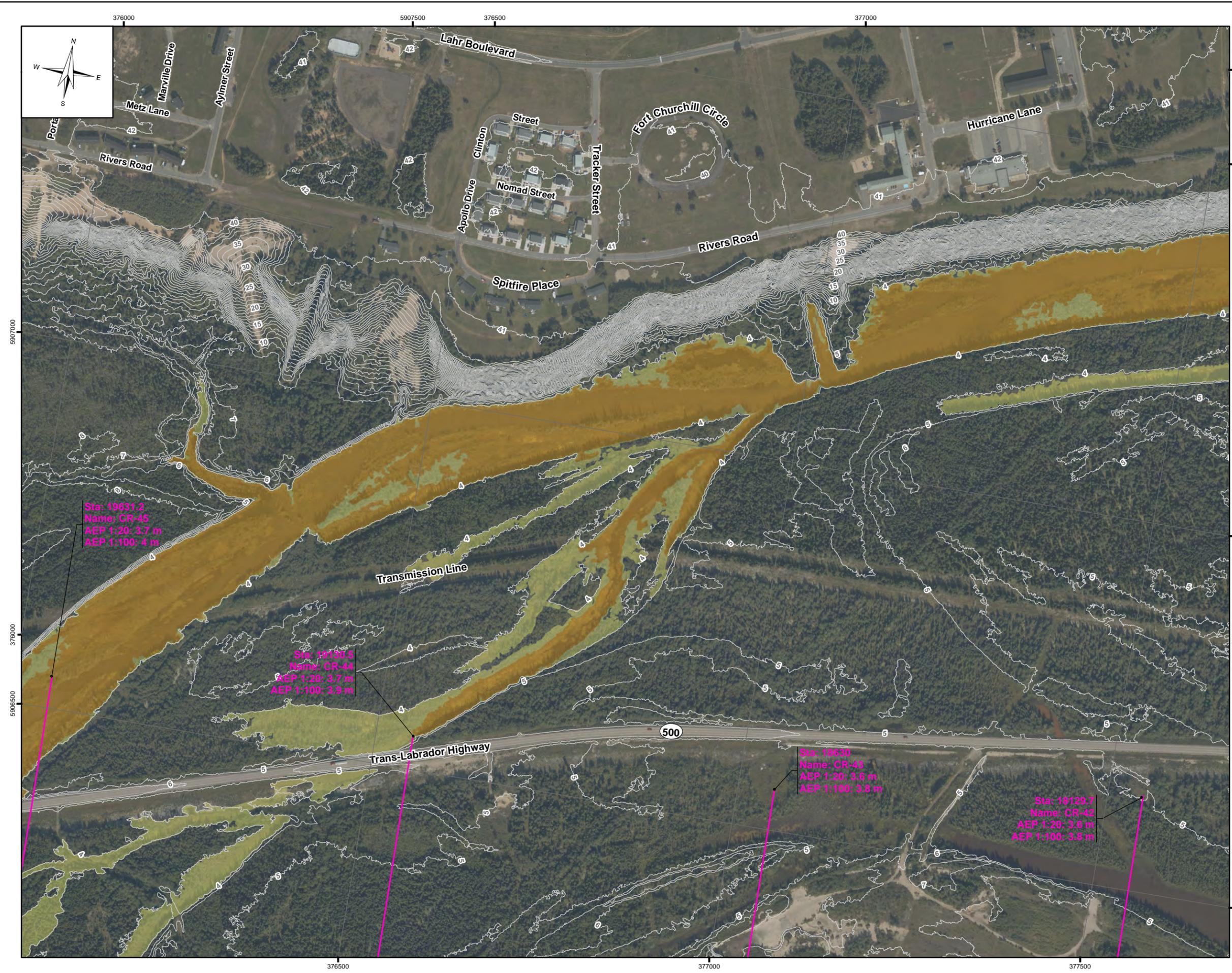
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CHURCHILL RIVER FLOOD RISK AND FORECASTING

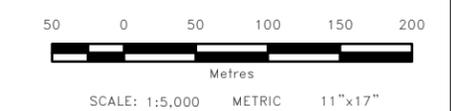
OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-03

JUNE 2020	FIGURE 1.2	REV: 0
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- LEGEND:**
- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - 1:20 Year Open Water Flood Zone
 - 1:100 Year Open Water Flood Zone

- NOTES:**
1. Imagery is supplied by ATGIS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATGIS Geomatics on September 11 – 13, 2019.

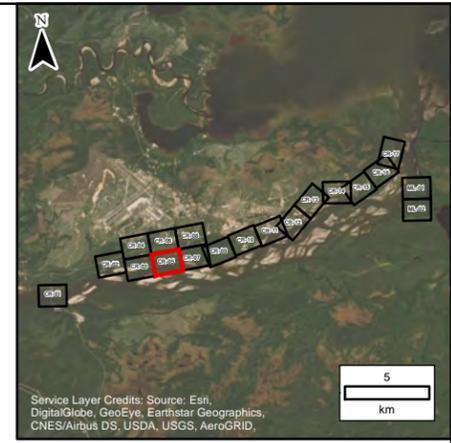
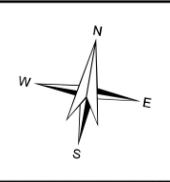
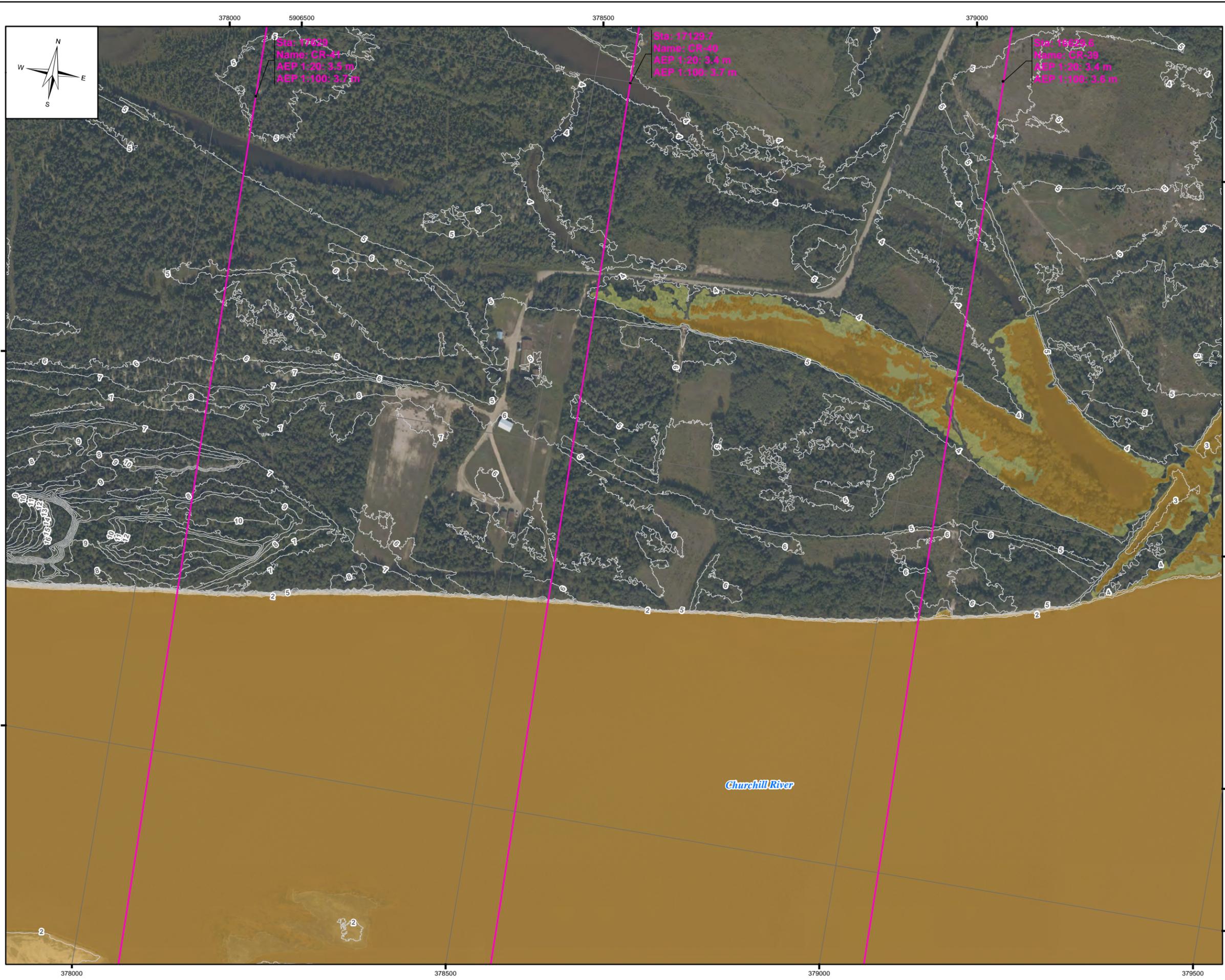


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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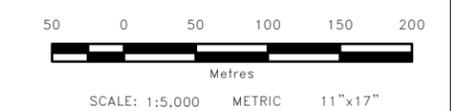
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CHURCHILL RIVER FLOOD RISK AND FORECASTING		
OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-04		
JUNE 2020	FIGURE 1.2	REV: 0



- LEGEND:**
- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - 1:20 Year Open Water Flood Zone
 - 1:100 Year Open Water Flood Zone

- NOTES:**
1. Imagery is supplied by ATGIS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATGIS Geomatics on September 11 – 13, 2019.



All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM).
Zone 4. Elevations are in metres above sea level (MSL).
Canadian Geodetic Vertical Datum 2013 (CGVD2013).

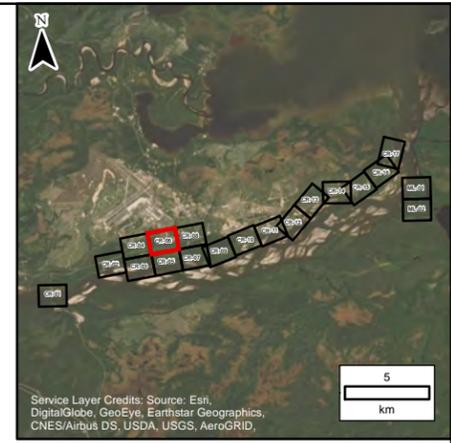
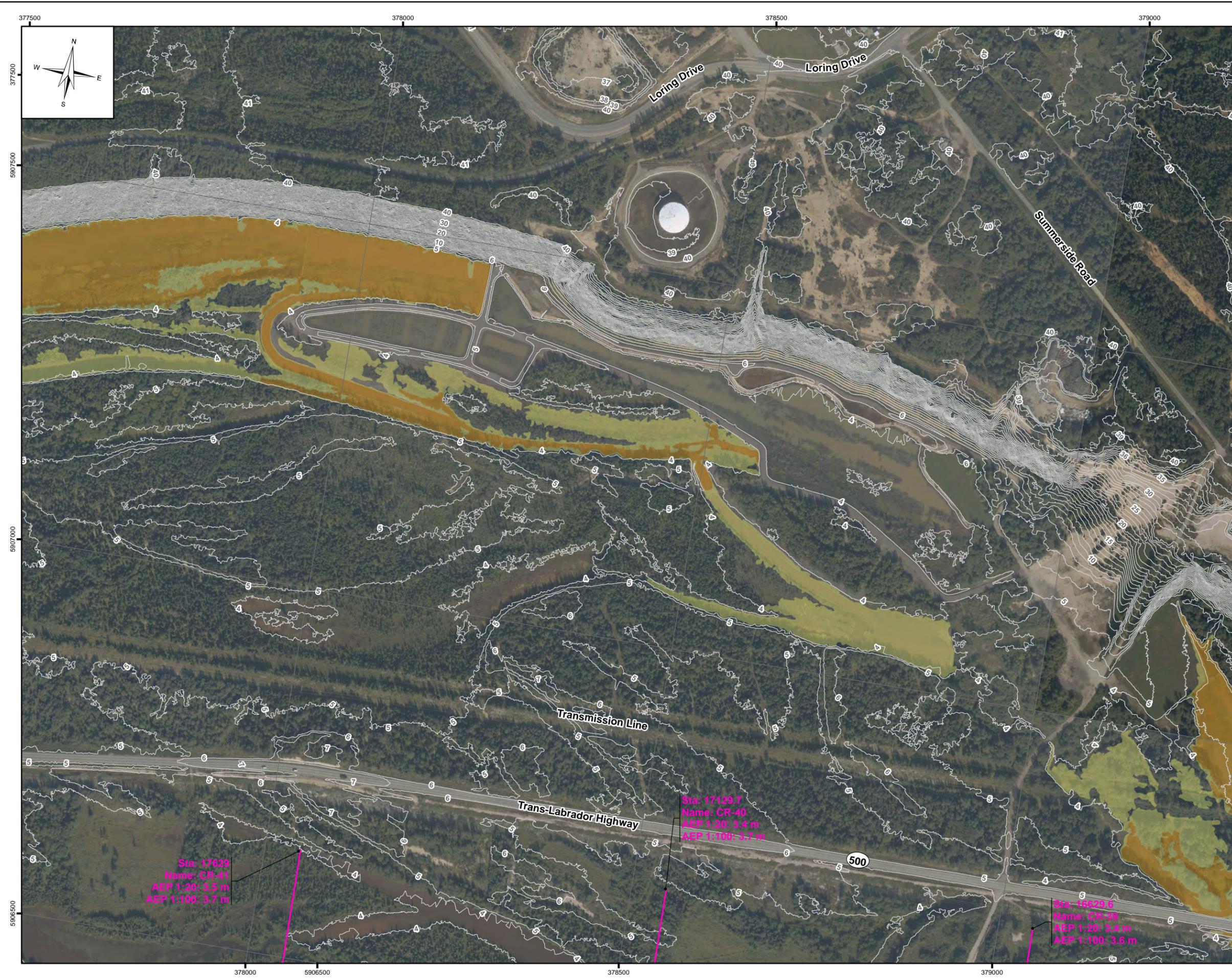
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CHURCHILL RIVER FLOOD RISK AND FORECASTING	
OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-05	
JUNE 2020	FIGURE 1.2
	REV: 0

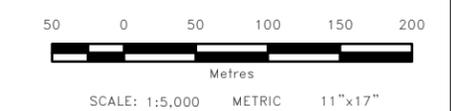
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File Name: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig1.2_11x17.mxd
 11"x17" PLOT SCALE 1:1



- LEGEND:**
- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - 1:20 Year Open Water Flood Zone
 - 1:100 Year Open Water Flood Zone

- NOTES:**
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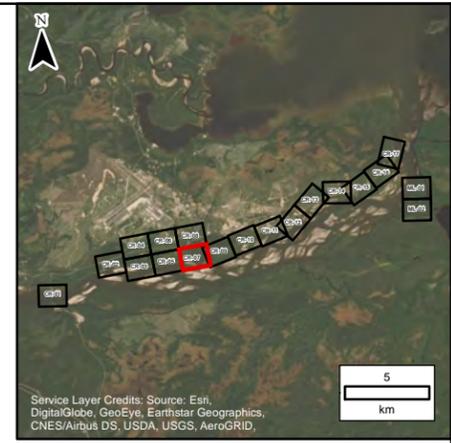
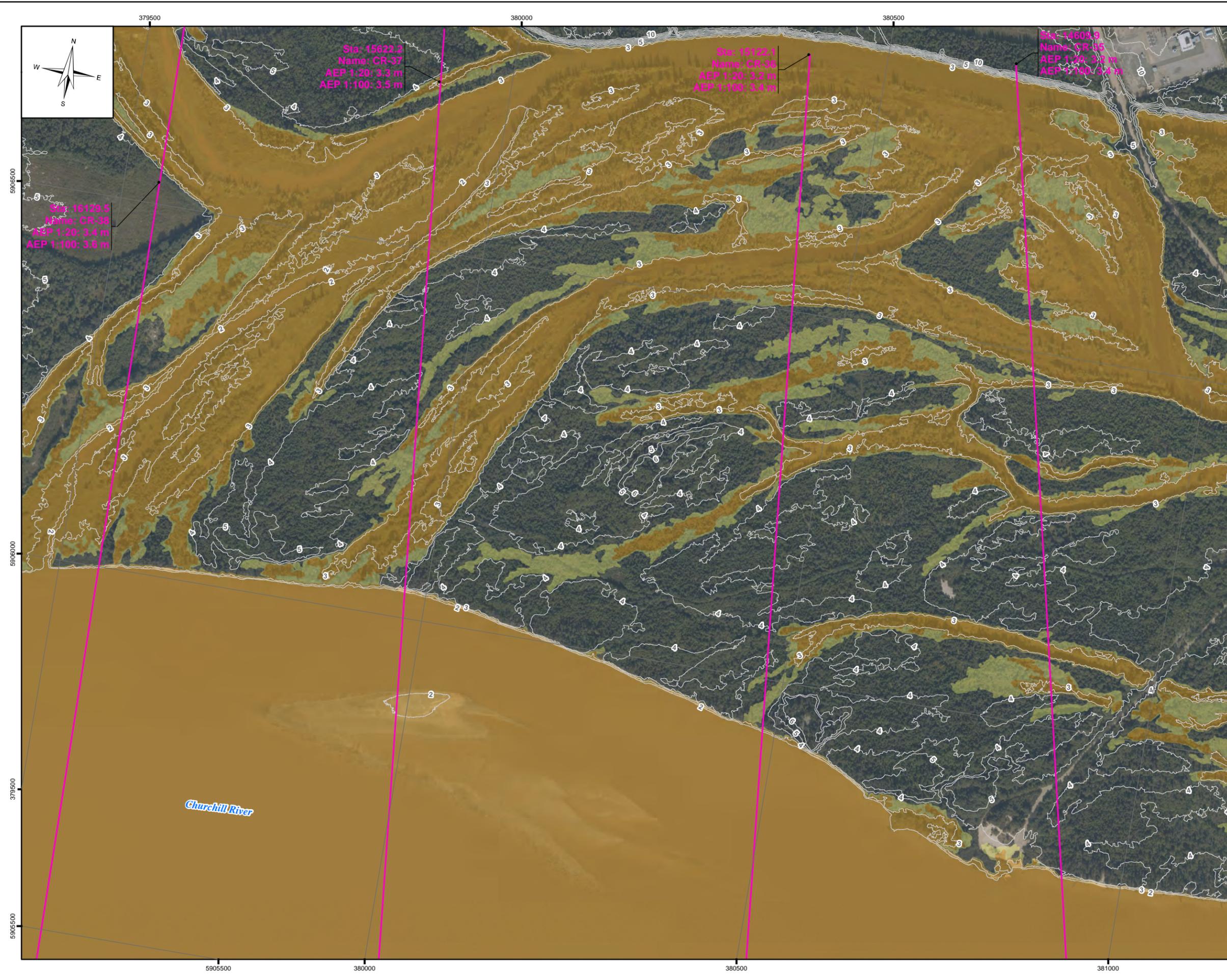
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

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CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-06

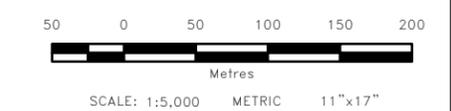
JUNE 2020	FIGURE 1.2	REV: 0
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LEGEND:

- Sta: 23648 Name: CR-53 AEP 1:20: 4.2 m AEP 1:100: 4.5 m
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- 1:20 Year Open Water Flood Zone
- 1:100 Year Open Water Flood Zone

- NOTES:**
1. Imagery is supplied by ATLIS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATLIS Geomatics on September 11 – 13, 2019.

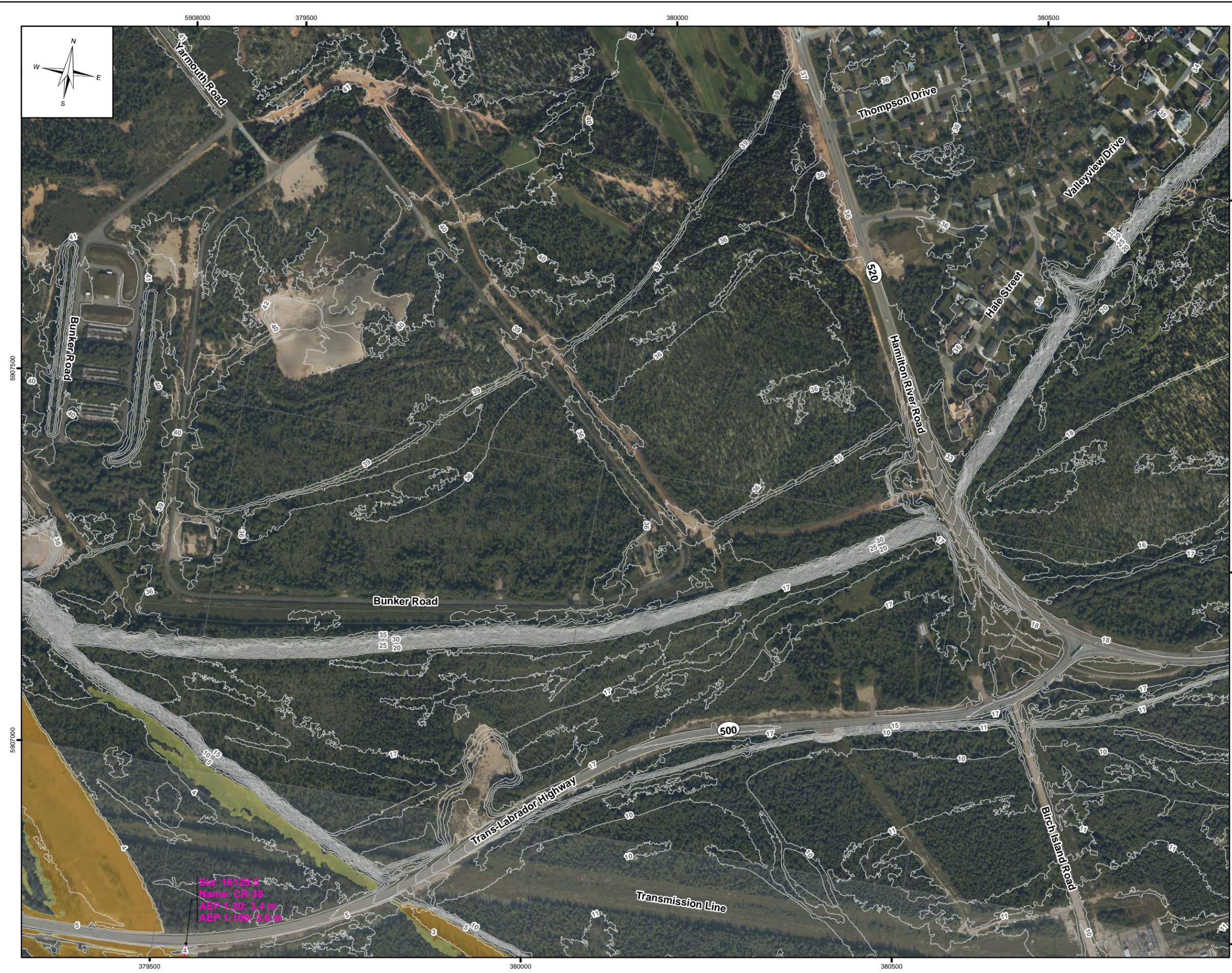


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM), Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

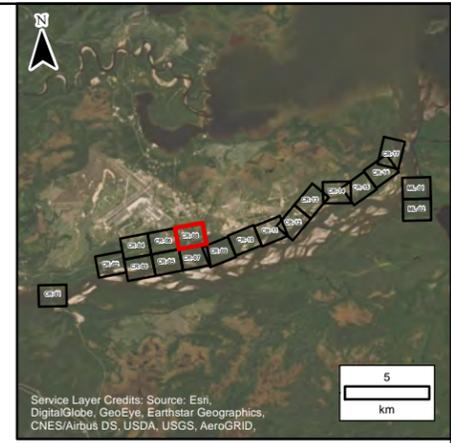
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

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CHURCHILL RIVER FLOOD RISK AND FORECASTING	
OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-07	
JUNE 2020	FIGURE 1.2
	REV: 0

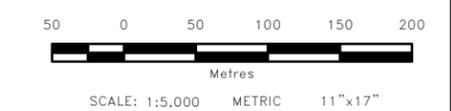


Sta: 16129.5
Name: CR-38
AEP 1:20: 3.4 m
AEP 1:100: 3.6 m



- LEGEND:**
- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - 1:20 Year Open Water Flood Zone
 - 1:100 Year Open Water Flood Zone

- NOTES:**
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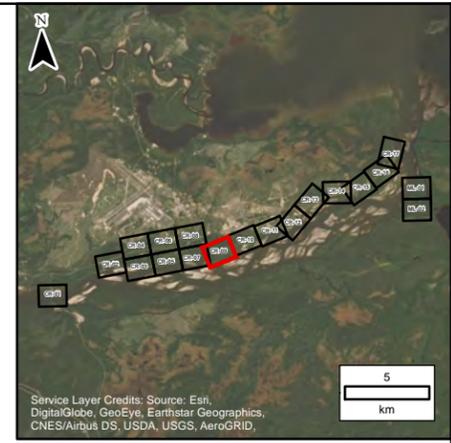
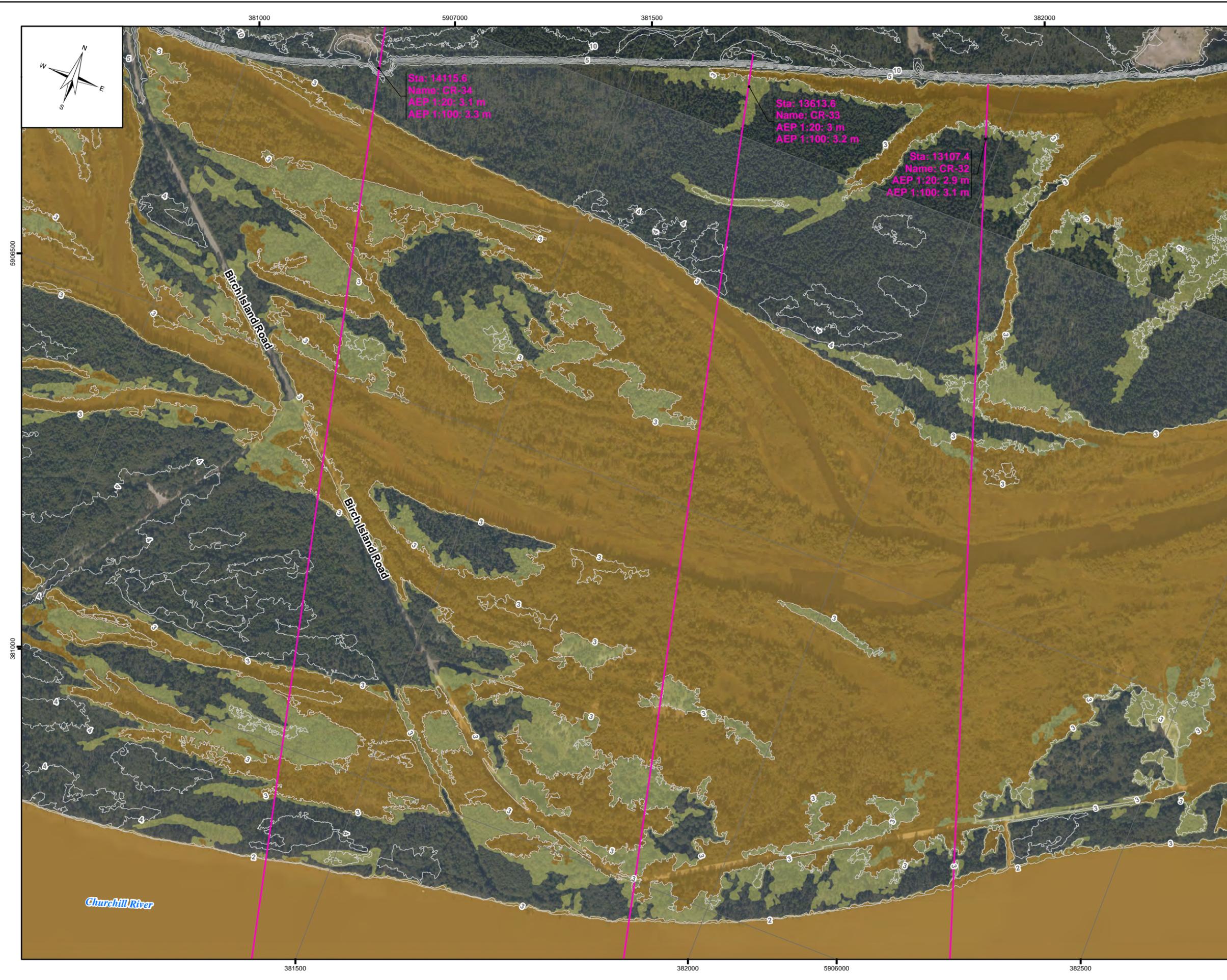
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM), Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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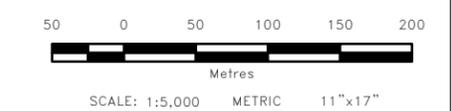
CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-08



- LEGEND:**
- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LiDAR Contour
 - 1:20 Year Open Water Flood Zone
 - 1:100 Year Open Water Flood Zone

- NOTES:**
1. Imagery is supplied by ATLIS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATLIS Geomatics on September 11 – 13, 2019.

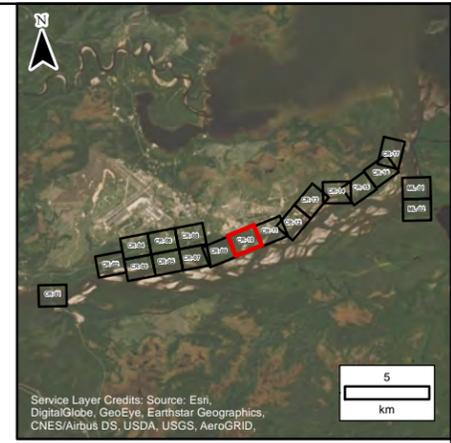
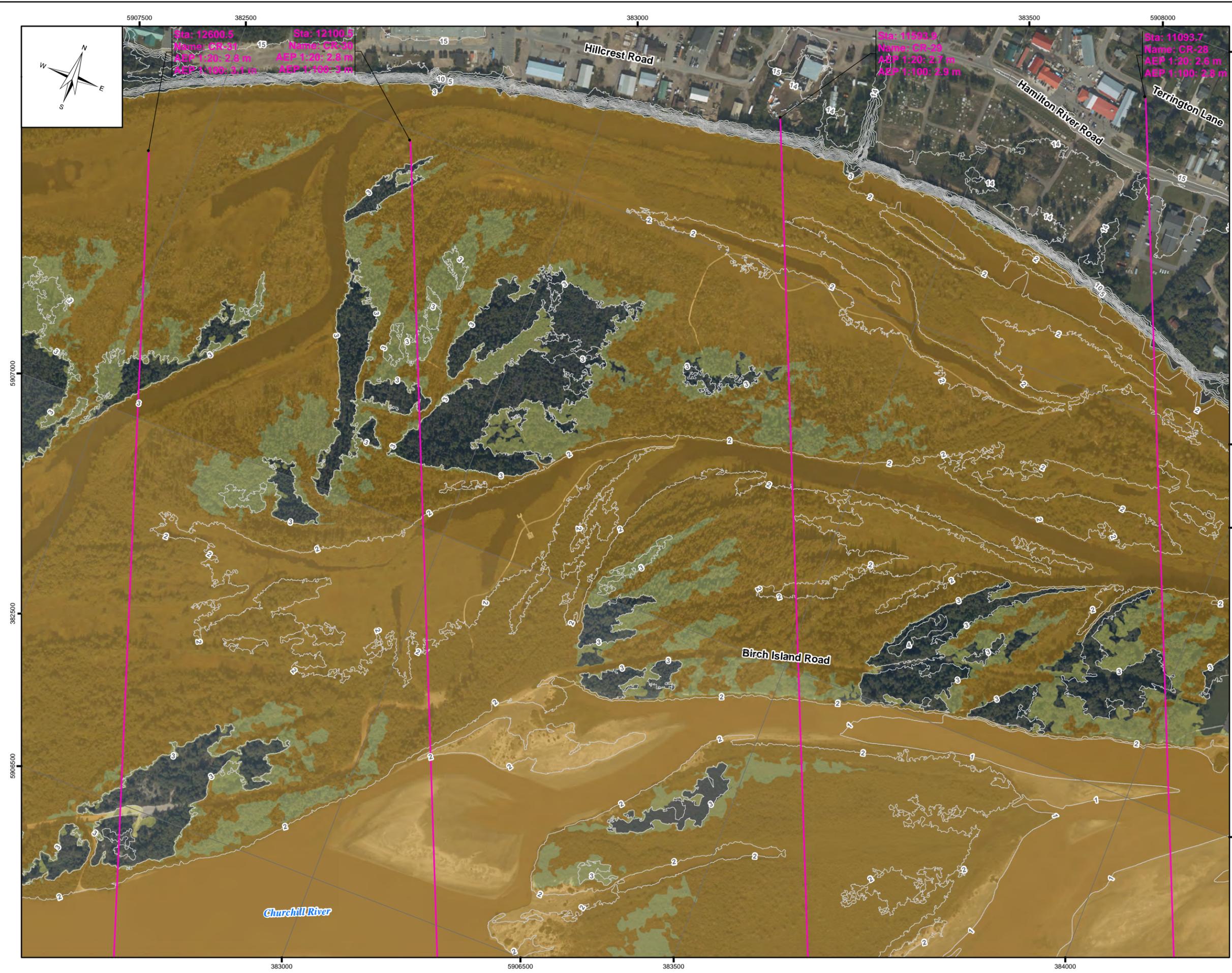


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM).
Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

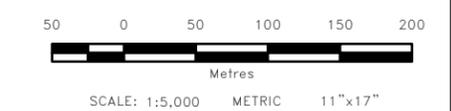
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CHURCHILL RIVER FLOOD RISK AND FORECASTING	
OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-09	
JUNE 2020	FIGURE 1.2
REV: 0	0



- LEGEND:**
- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
Cross Section
 - Water Survey of Canada
Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - 1:20 Year Open Water Flood Zone
 - 1:100 Year Open Water Flood Zone

- NOTES:**
1. Imagery is supplied by ATLIS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATLIS Geomatics on September 11 – 13, 2019.

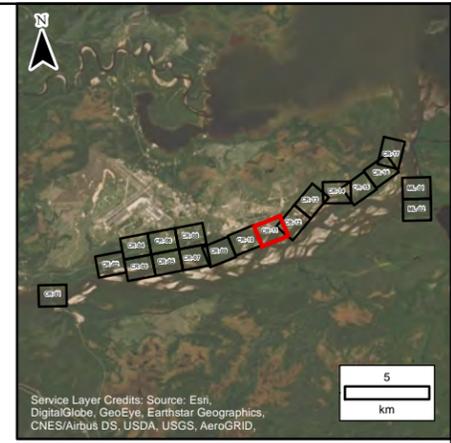


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM), Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

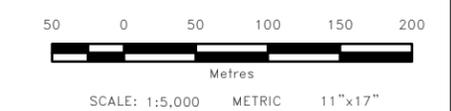
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CHURCHILL RIVER FLOOD RISK AND FORECASTING	
OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-10	
JUNE 2020	FIGURE 1.2
	REV: 0



- LEGEND:**
- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - 1:20 Year Open Water Flood Zone
 - 1:100 Year Open Water Flood Zone

- NOTES:**
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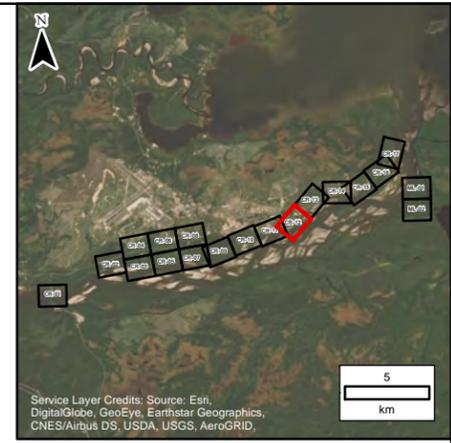
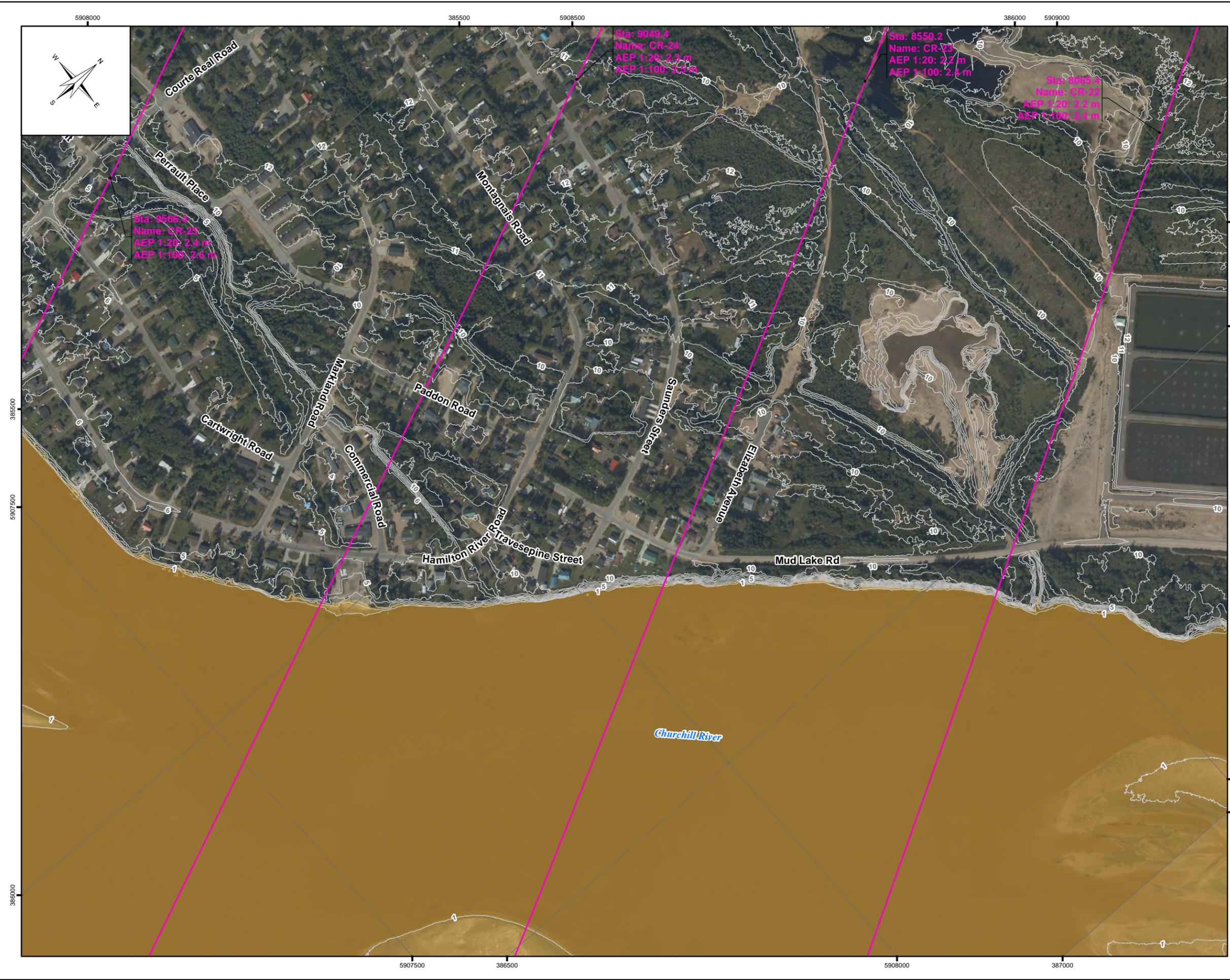


All units are metric and in metres unless otherwise specified.
 Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM), Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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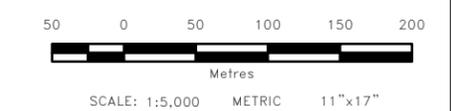
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CHURCHILL RIVER FLOOD RISK AND FORECASTING	
OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-11	
JUNE 2020	FIGURE 1.2
	REV: 0



- LEGEND:**
- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - 1:20 Year Open Water Flood Zone
 - 1:100 Year Open Water Flood Zone

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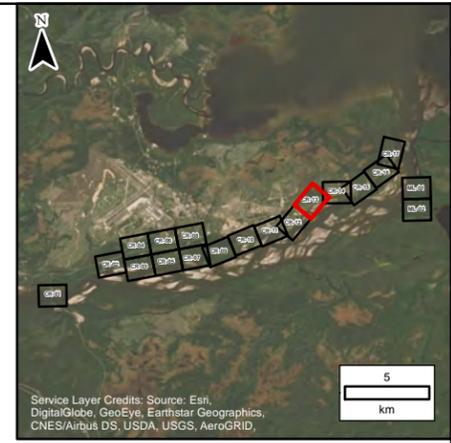
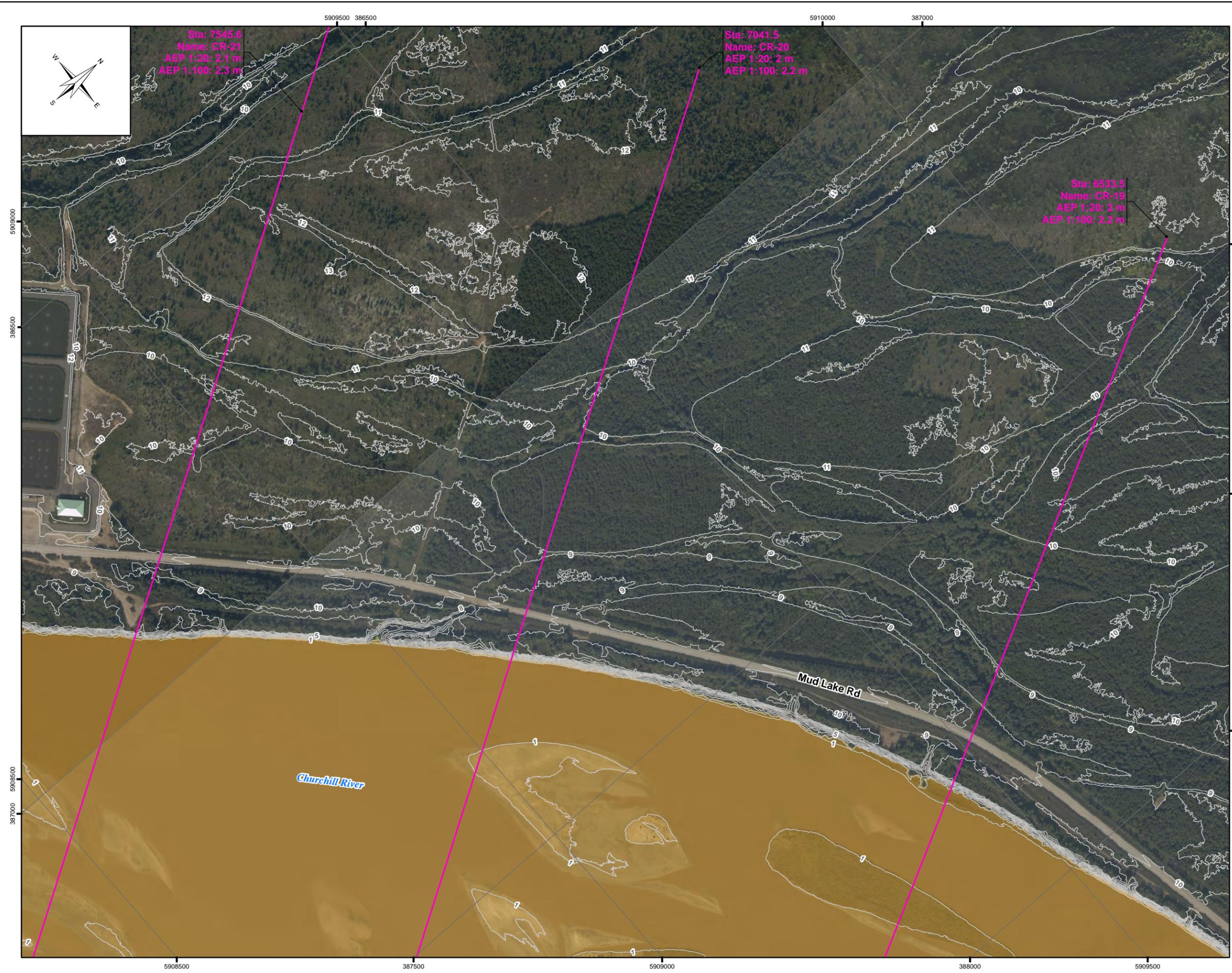


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM), Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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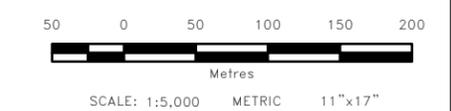
CHURCHILL RIVER FLOOD RISK AND FORECASTING	
OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-12	
JUNE 2020	FIGURE 1.2
	REV: 0



LEGEND:

- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- 1:20 Year Open Water Flood Zone
- 1:100 Year Open Water Flood Zone

- NOTES:**
1. Imagery is supplied by ATLAS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATLAS Geomatics on September 11 – 13, 2019.

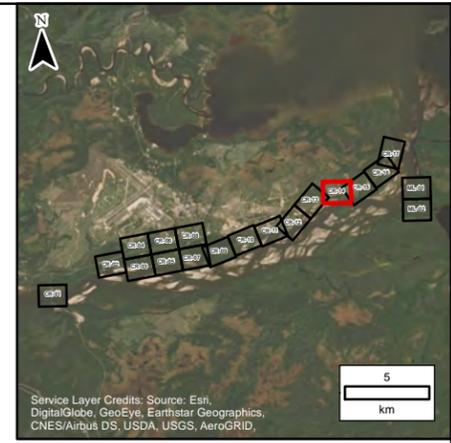
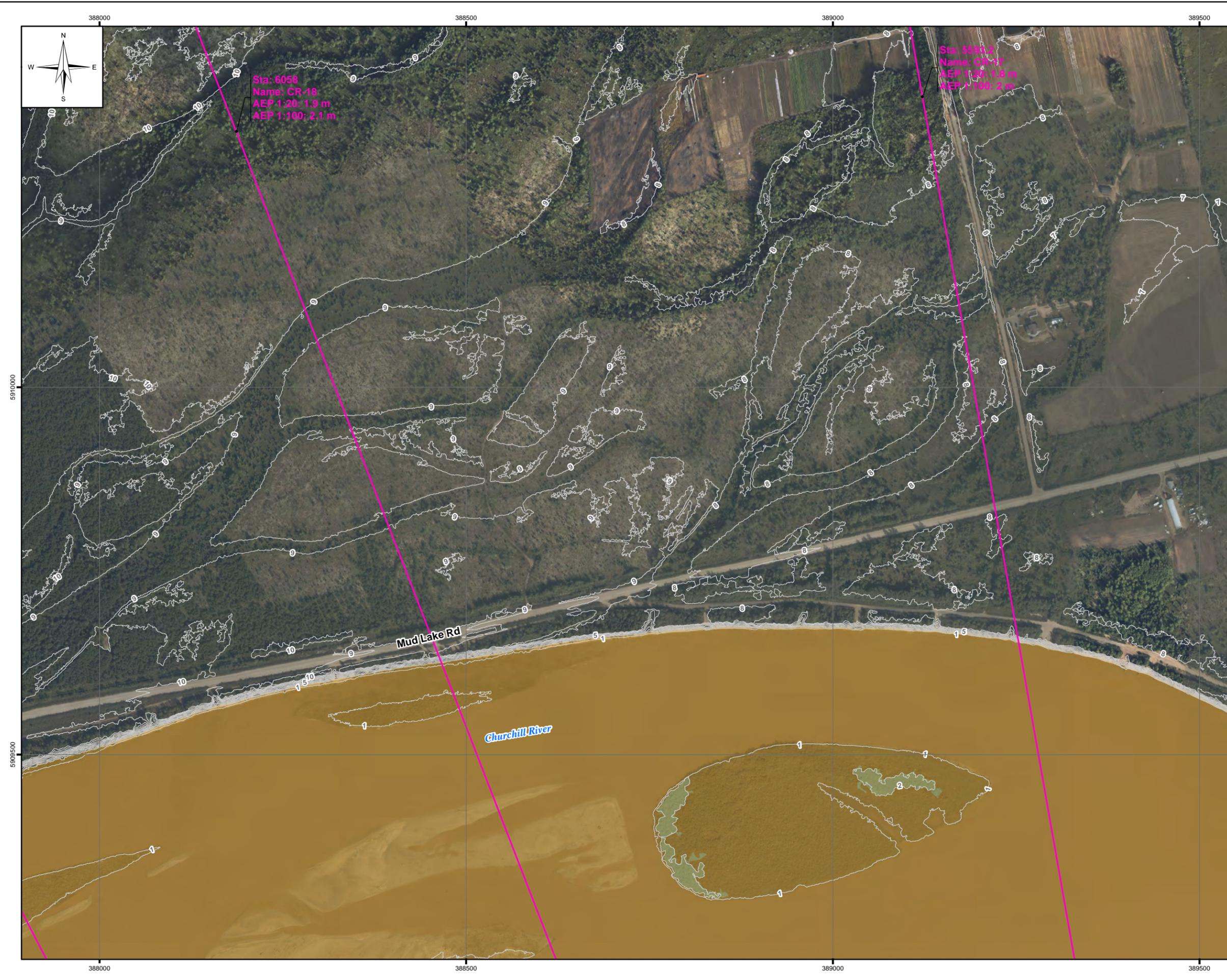


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM), Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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CHURCHILL RIVER FLOOD RISK AND FORECASTING	
OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-13	
JUNE 2020	FIGURE 1.2
	REV: 0

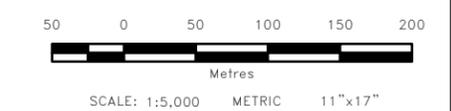


LEGEND:

- Sta: 23648 Name: CR-53 AEP 1:20: 4.2 m AEP 1:100: 4.5 m
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- 1:20 Year Open Water Flood Zone
- 1:100 Year Open Water Flood Zone

NOTES:

1. Imagery is supplied by ATGIS Geomatics and dated as September 11 – 13, 2019.
2. Topography shown was developed by KGS Group from the LiDAR captured by ATGIS Geomatics on September 11 – 13, 2019.



All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM), Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

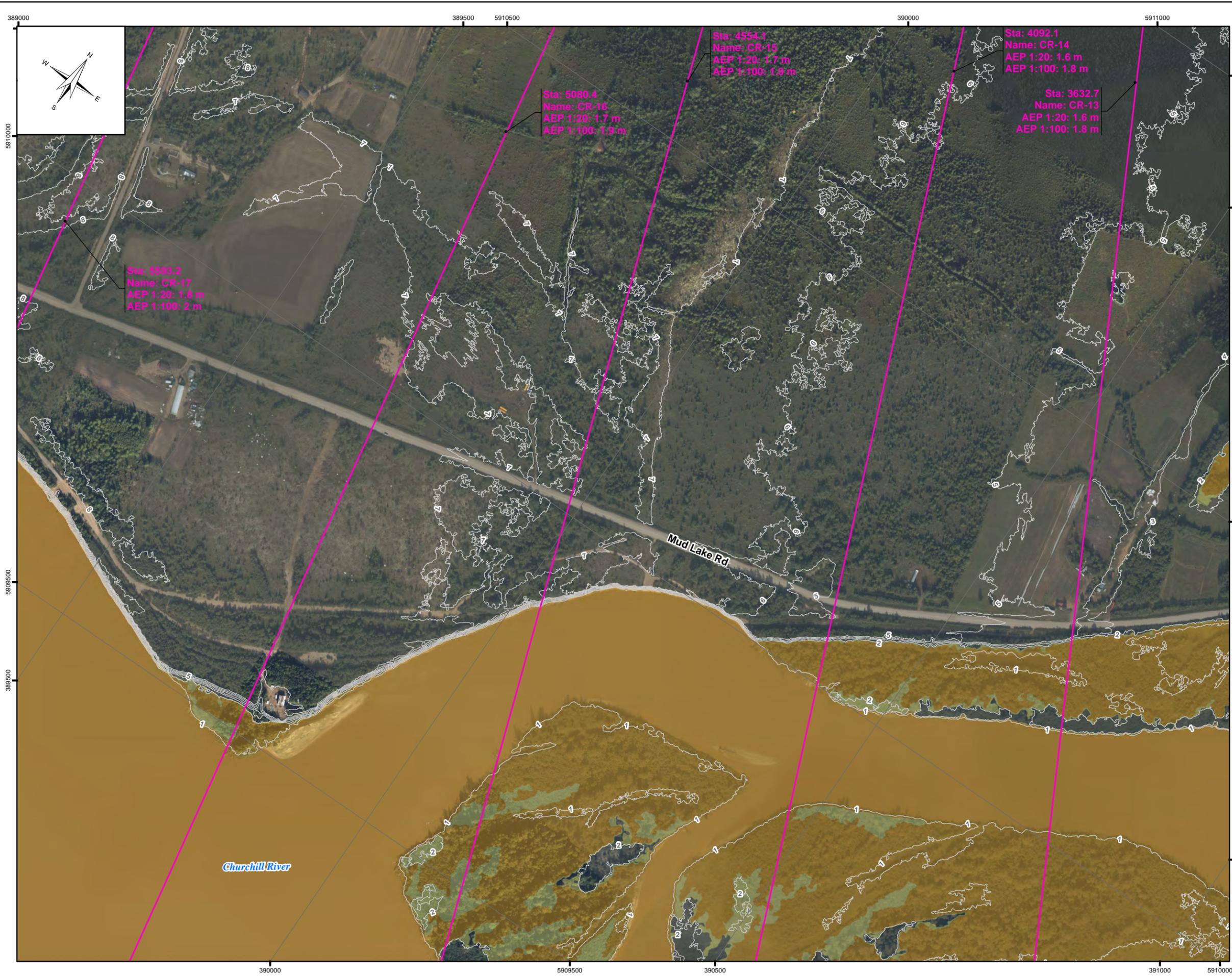
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CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-14

JUNE 2020	FIGURE 1.2	REV: 0
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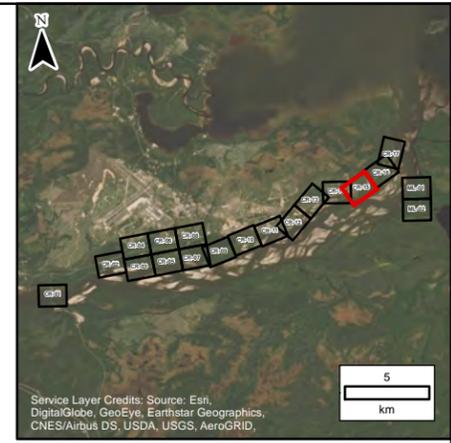
Sta: 5593.2
Name: CR-17
AEP 1:20: 1.8 m
AEP 1:100: 2 m

Sta: 5080.4
Name: CR-16
AEP 1:20: 1.7 m
AEP 1:100: 1.9 m

Sta: 4554.1
Name: CR-15
AEP 1:20: 1.7 m
AEP 1:100: 1.9 m

Sta: 4092.1
Name: CR-14
AEP 1:20: 1.6 m
AEP 1:100: 1.8 m

Sta: 3632.7
Name: CR-13
AEP 1:20: 1.6 m
AEP 1:100: 1.8 m

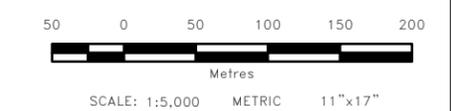


LEGEND:

- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- 1:20 Year Open Water Flood Zone
- 1:100 Year Open Water Flood Zone

NOTES:

1. Imagery is supplied by ATGIS Geomatics and dated as September 11 – 13, 2019.
2. Topography shown was developed by KGS Group from the LiDAR captured by ATGIS Geomatics on September 11 – 13, 2019.



All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM), Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

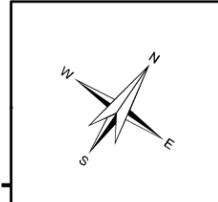
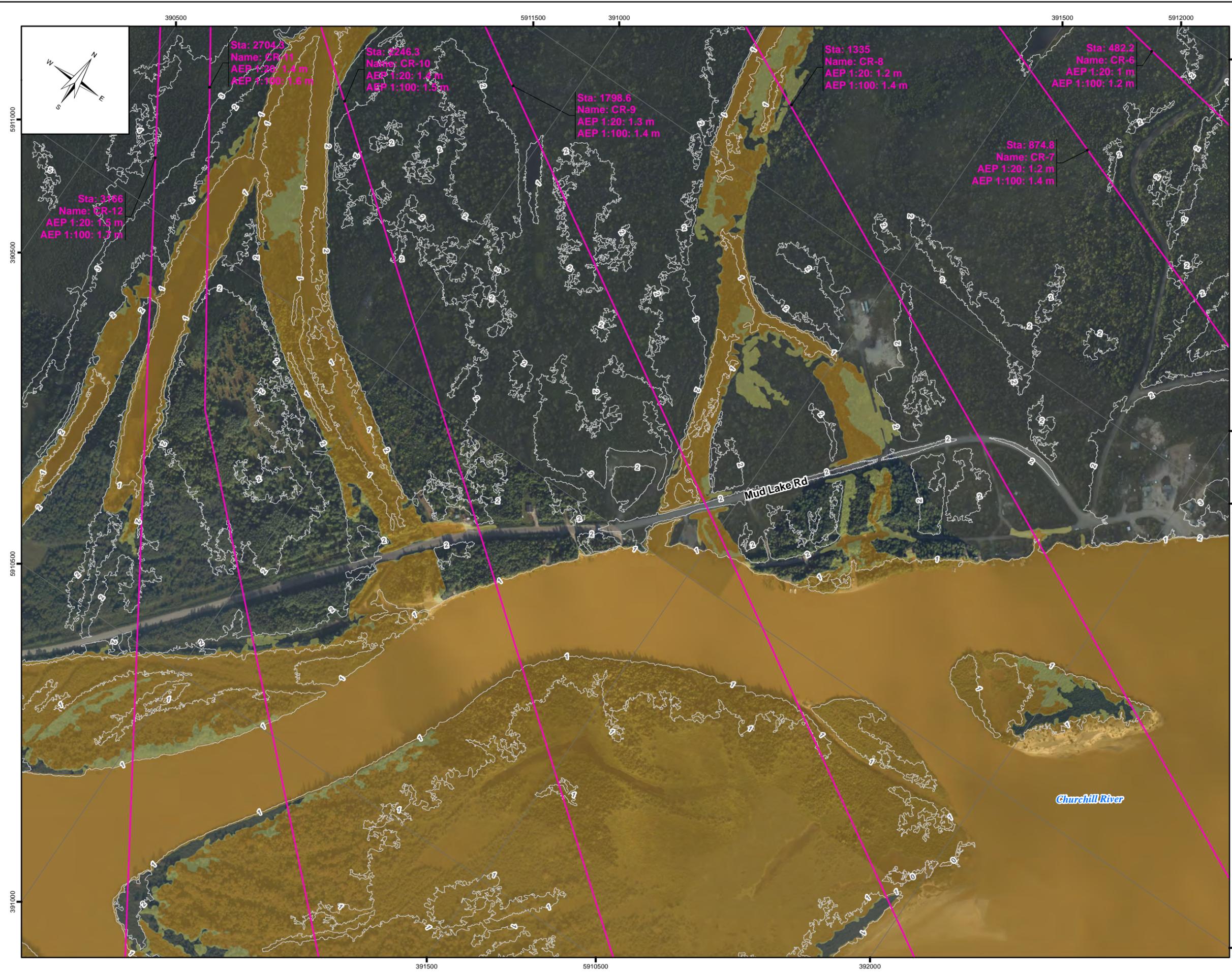
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

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CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-15

JUNE 2020	FIGURE 1.2	REV: 0
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Sta: 2704.8
Name: CR-11
AEP 1:20: 1.4 m
AEP 1:100: 1.6 m

Sta: 3246.3
Name: CR-10
AEP 1:20: 1.4 m
AEP 1:100: 1.3 m

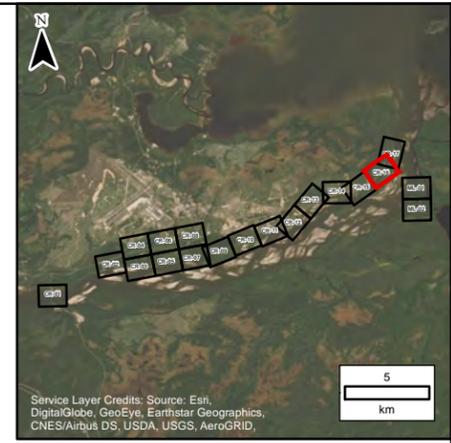
Sta: 1798.6
Name: CR-9
AEP 1:20: 1.3 m
AEP 1:100: 1.4 m

Sta: 1335
Name: CR-8
AEP 1:20: 1.2 m
AEP 1:100: 1.4 m

Sta: 482.2
Name: CR-6
AEP 1:20: 1 m
AEP 1:100: 1.2 m

Sta: 874.8
Name: CR-7
AEP 1:20: 1.2 m
AEP 1:100: 1.4 m

Sta: 3286
Name: CR-12
AEP 1:20: 1.5 m
AEP 1:100: 1.7 m

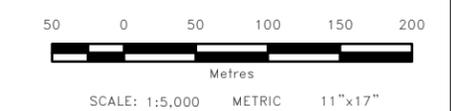


LEGEND:

- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- 1:20 Year Open Water Flood Zone
- 1:100 Year Open Water Flood Zone

NOTES:

1. Imagery is supplied by ATLIS Geomatics and dated as September 11 – 13, 2019.
2. Topography shown was developed by KGS Group from the LiDAR captured by ATLIS Geomatics on September 11 – 13, 2019.



All units are metric and in metres unless otherwise specified. Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM), Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

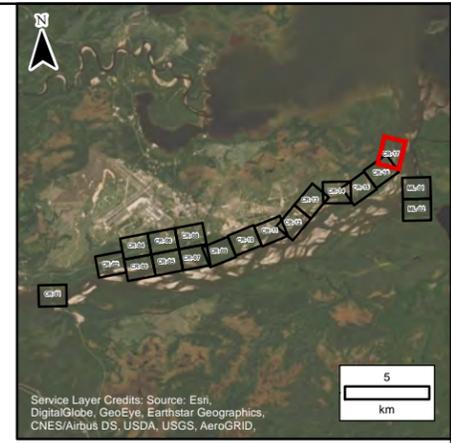
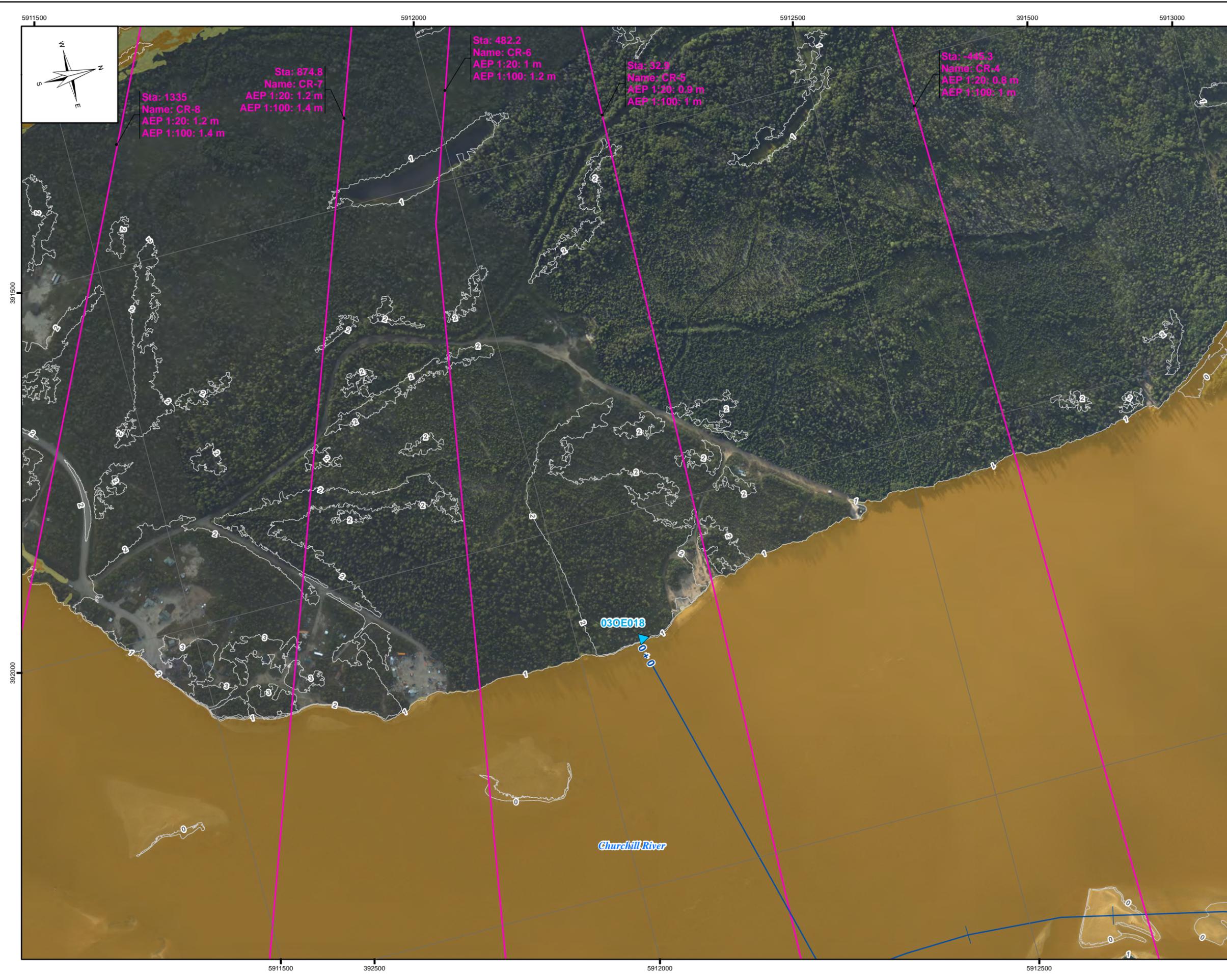
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CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-16

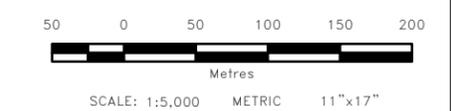
JUNE 2020	FIGURE 1.2	REV: 0
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LEGEND:

- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour
- 1:20 Year Open Water Flood Zone
- 1:100 Year Open Water Flood Zone

- NOTES:**
- Imagery is supplied by ATGIS Geomatics and dated as September 11 – 13, 2019.
 - Topography shown was developed by KGS Group from the LiDAR captured by ATGIS Geomatics on September 11 – 13, 2019.



All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM), Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

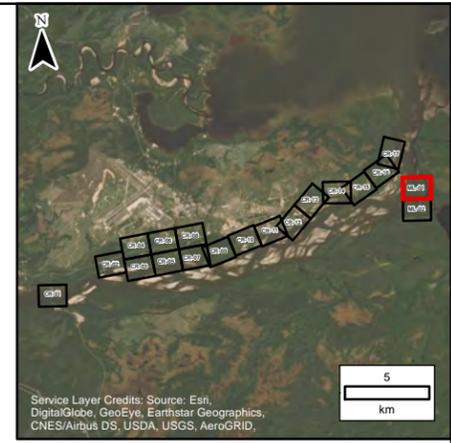
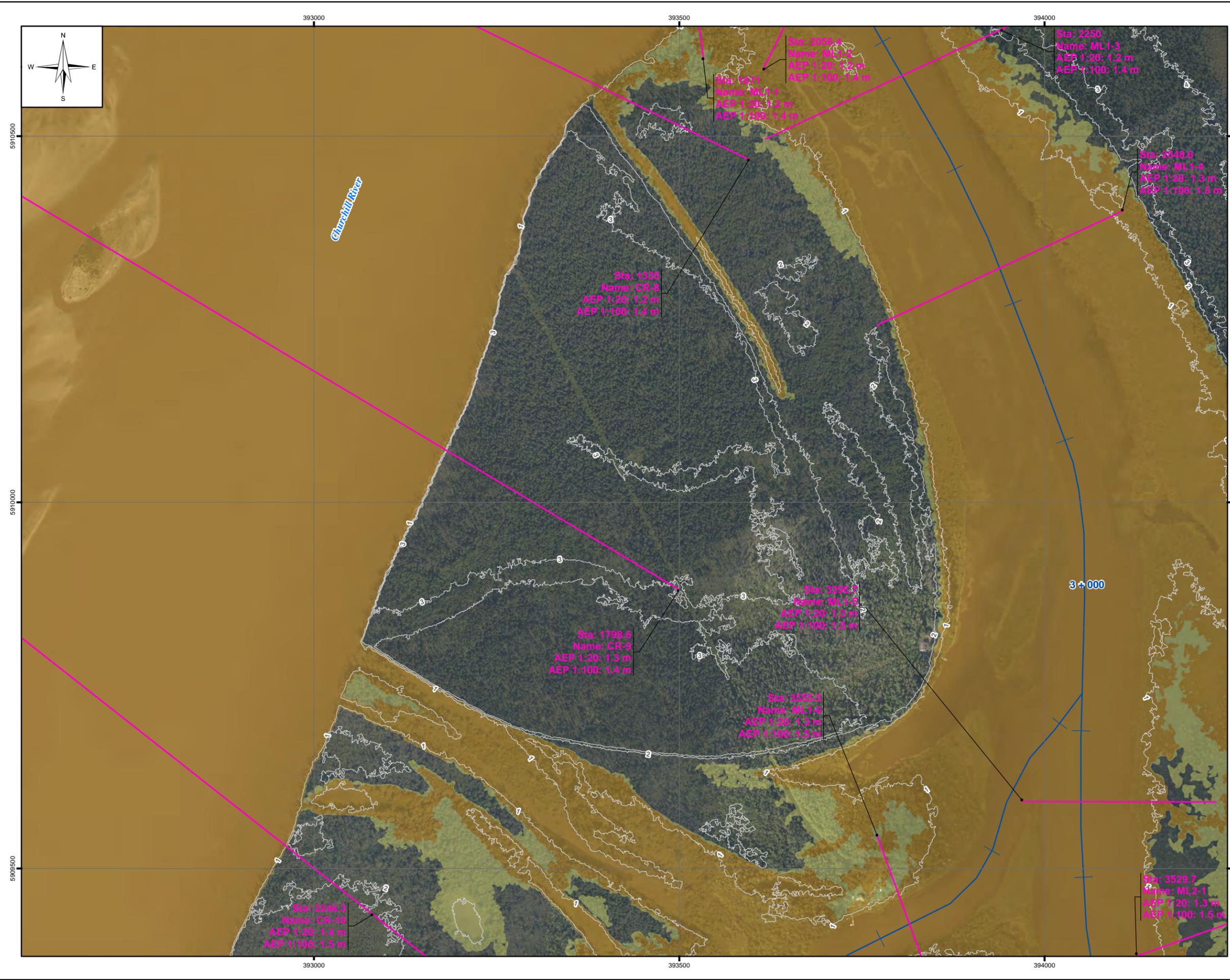
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

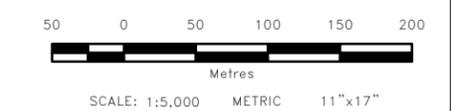
OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-17

JUNE 2020	FIGURE 1.2	REV: 0
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- LEGEND:**
- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LiDAR Contour
 - 1:20 Year Open Water Flood Zone
 - 1:100 Year Open Water Flood Zone

- NOTES:**
1. Imagery is supplied by ATGIS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATGIS Geomatics on September 11 – 13, 2019.

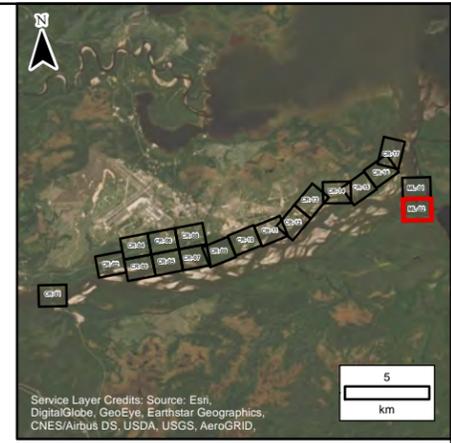
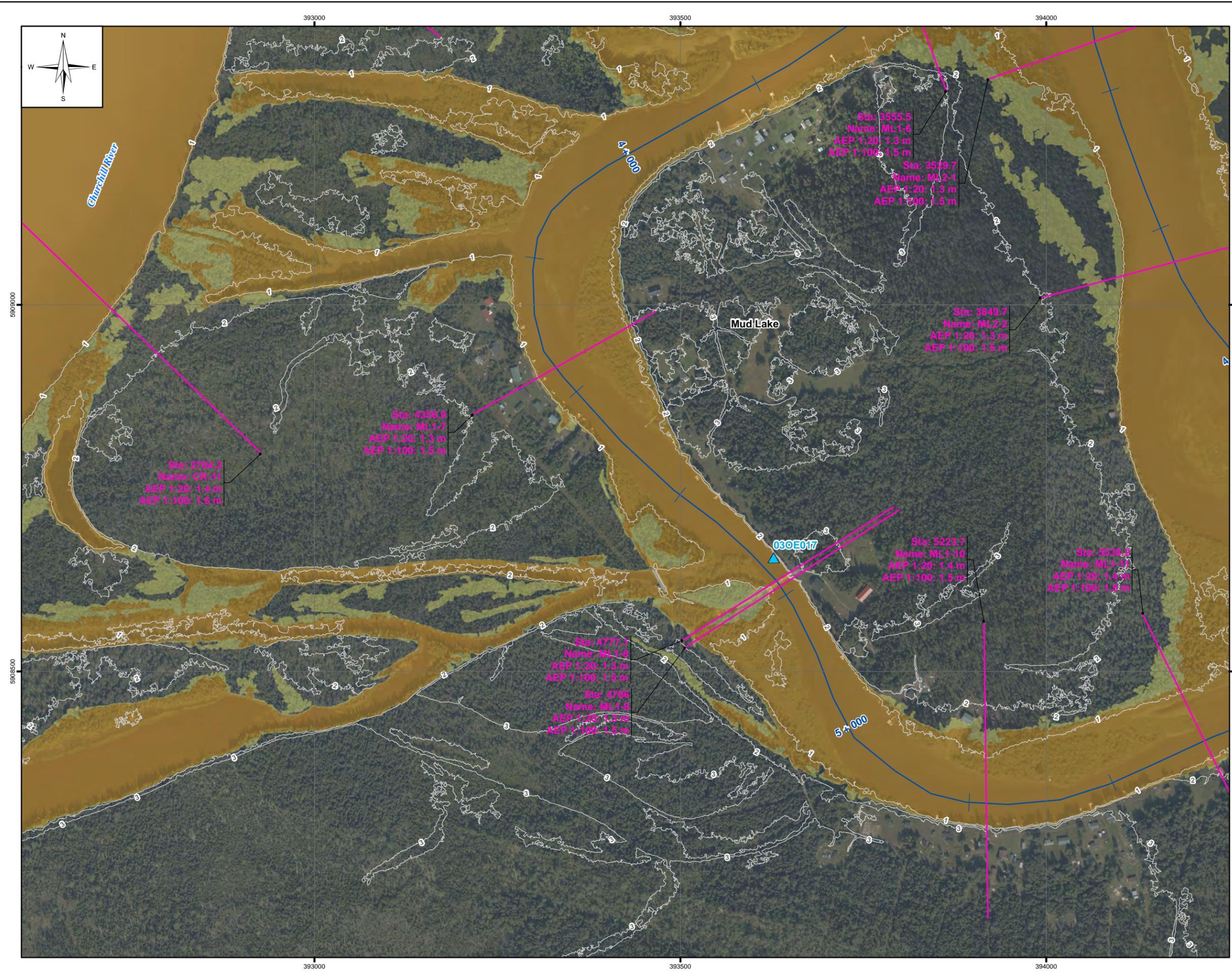


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM), Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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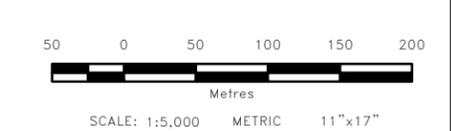
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CHURCHILL RIVER FLOOD RISK AND FORECASTING	
OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – ML-01	
JUNE 2020	FIGURE 1.2
	REV: 0



- LEGEND:**
- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - 1:20 Year Open Water Flood Zone
 - 1:100 Year Open Water Flood Zone

- NOTES:**
1. Imagery is supplied by ATLAS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATLAS Geomatics on September 11 – 13, 2019.



All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM).
Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

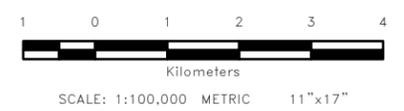
REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING		
OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – ML-02		
JUNE 2020	FIGURE 1.2	REV: 0



- LEGEND:**
- Water Survey of Canada Gauge Location
 - River Centerline
 - 1:20 Year Ice Affected Flood Zone
 - 1:100 Year Ice Affected Flood Zone
 - Map Extents

NOTES:
1. Imagery is supplied by ATGIS Geomatics and dated as September 11 – 13, 2019, and by ESRI and DigitalGlobe, WV02 dated June 3, 2015.



All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM)
Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

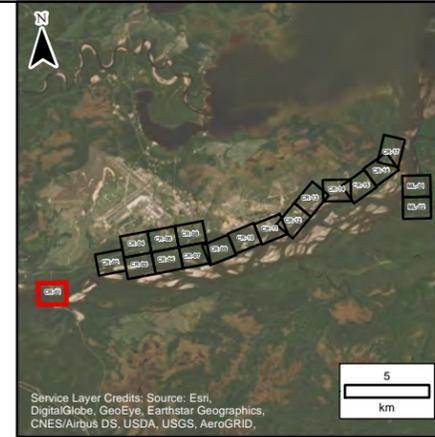
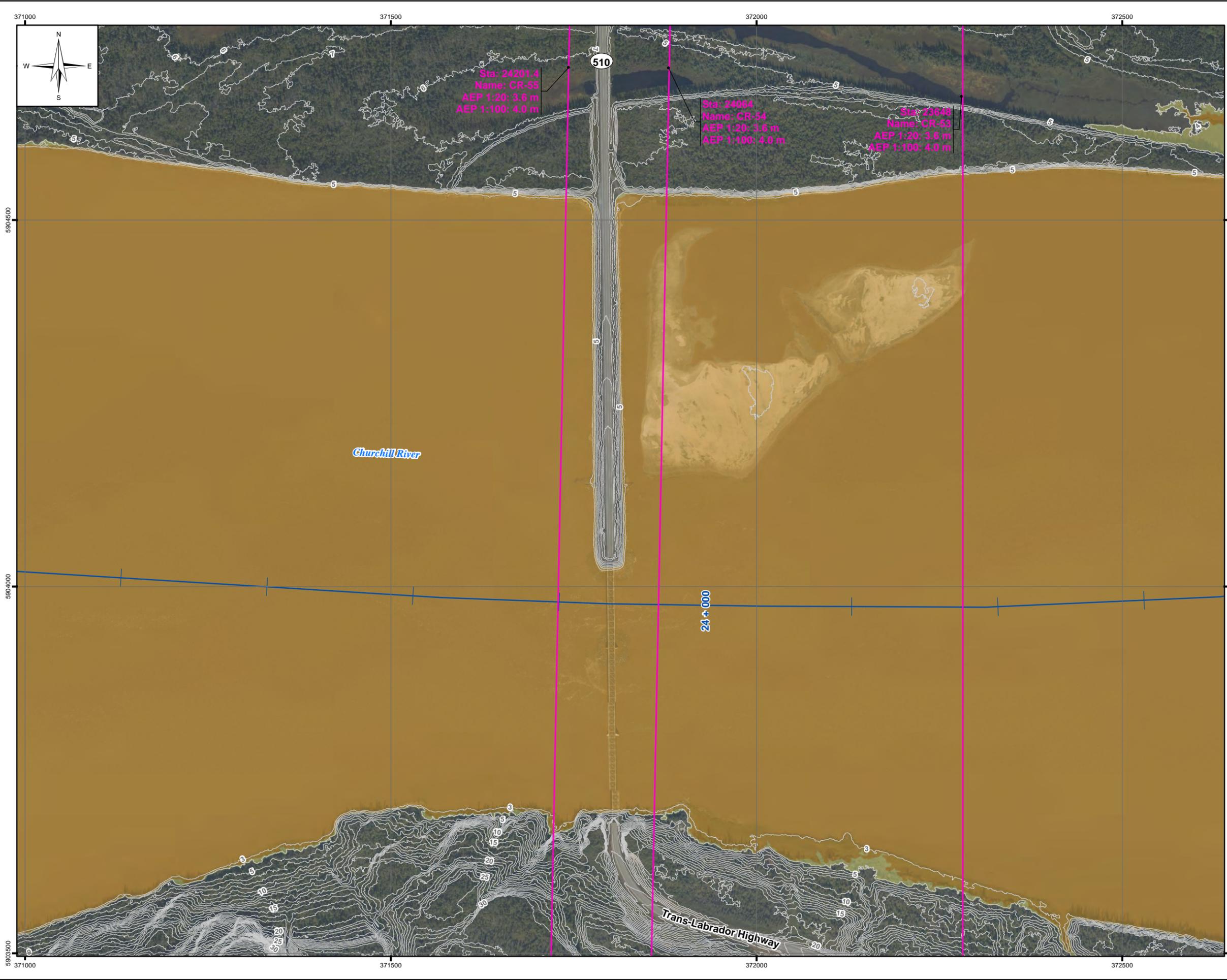
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CHURCHILL RIVER FLOOD RISK AND FORECASTING

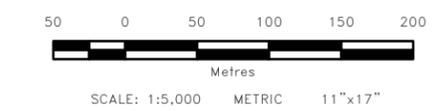
ICE-AFFECTED FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – OVERVIEW MAP

JUNE 2020	FIGURE 2.1	REV: 0
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- LEGEND:**
- Sta: 24201.4
Name: CR-55
AEP 1:20: 3.6 m
AEP 1:100: 4.0 m
 - Sta: 24064
Name: CR-54
AEP 1:20: 3.6 m
AEP 1:100: 4.0 m
 - Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LiDAR Contour
 - 1:20 Year Ice Affected Flood Zone
 - 1:100 Year Ice Affected Flood Zone

- NOTES:**
1. Imagery is supplied by ATLAS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATLAS Geomatics on September 11 – 13, 2019.



All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM)
Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

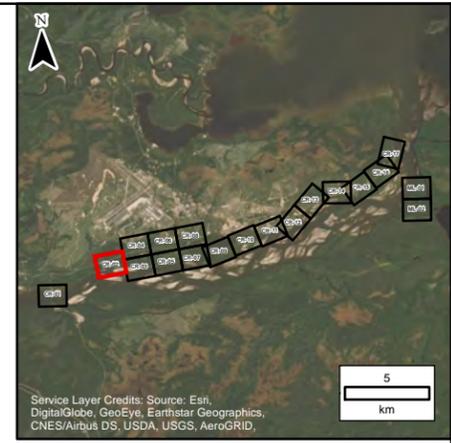
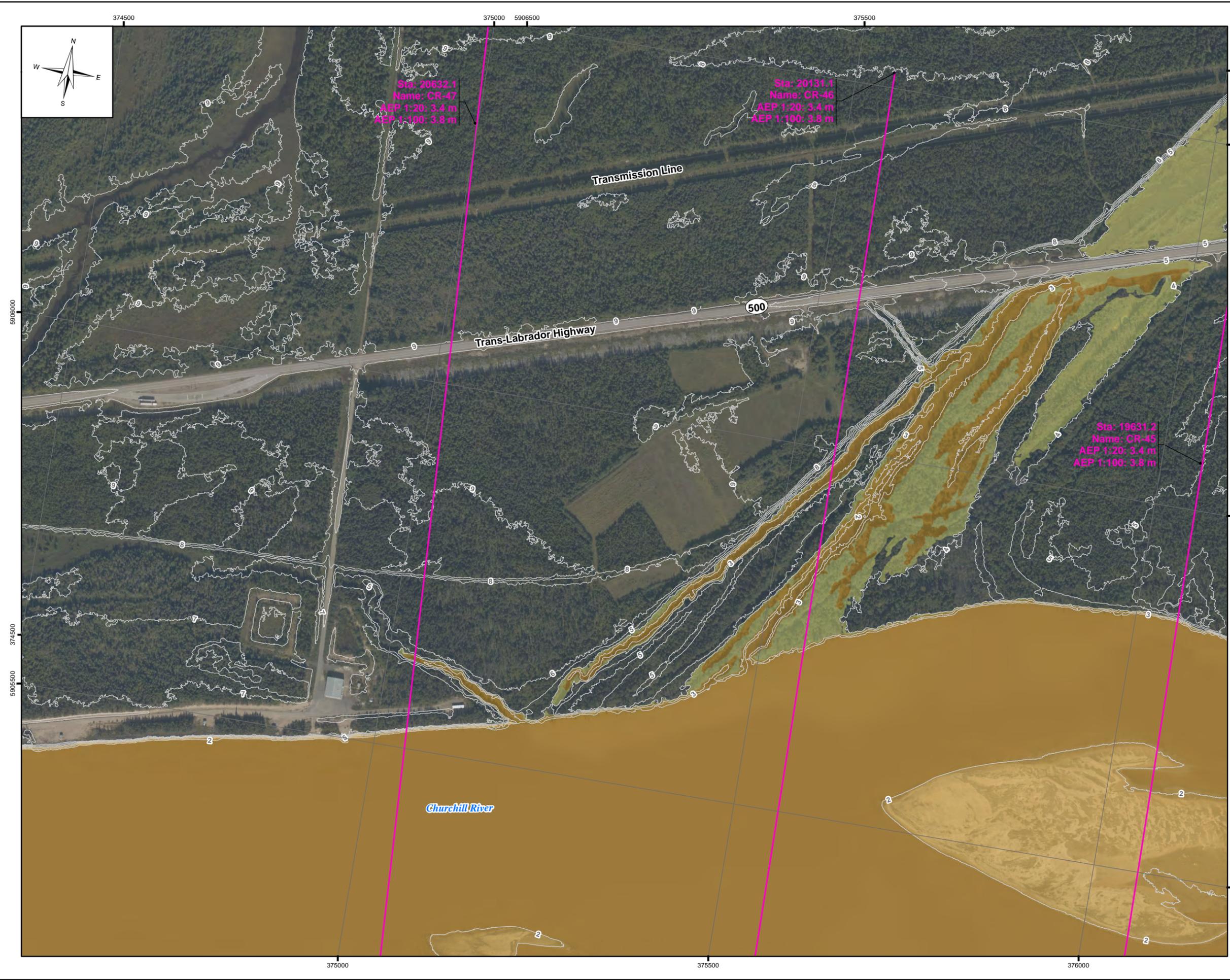
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CHURCHILL RIVER FLOOD RISK AND FORECASTING

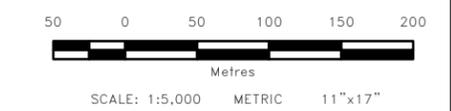
ICE AFFECTED FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-01

JUNE 2020	FIGURE 2.2	REV: 0
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- LEGEND:**
- Sta: 20632.1
Name: CR-47
AEP 1:20: 3.4 m
AEP 1:100: 3.8 m
 - Sta: 20131.1
Name: CR-46
AEP 1:20: 3.4 m
AEP 1:100: 3.8 m
 - Sta: 19631.2
Name: CR-45
AEP 1:20: 3.4 m
AEP 1:100: 3.8 m
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - 1:20 Year Ice Affected Flood Zone
 - 1:100 Year Ice Affected Flood Zone

- NOTES:**
1. Imagery is supplied by ATLAS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATLAS Geomatics on September 11 – 13, 2019.

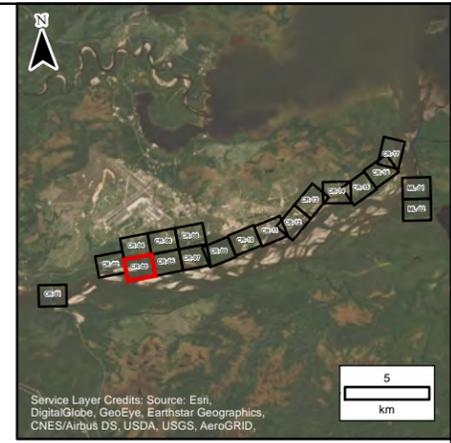
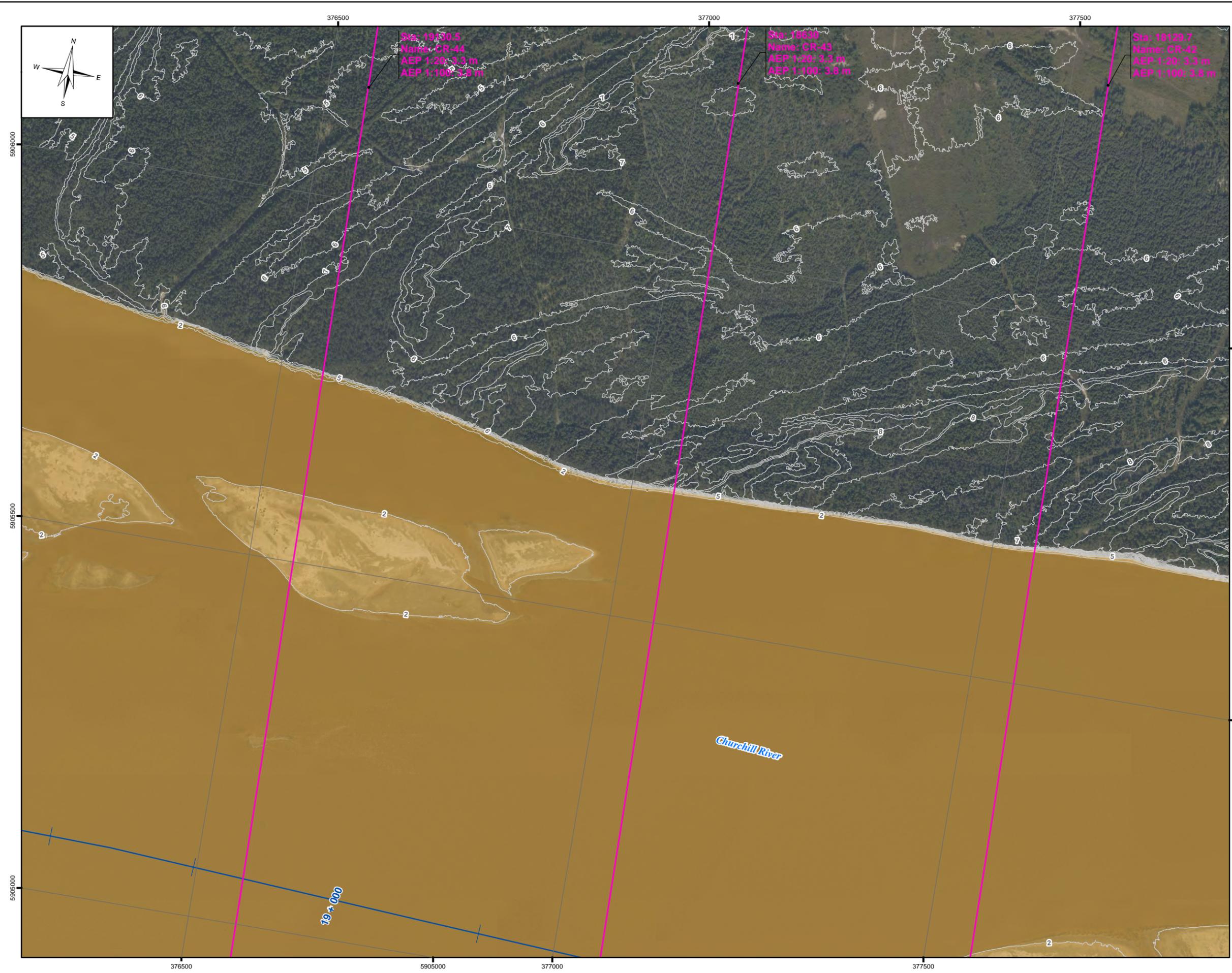


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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CHURCHILL RIVER FLOOD RISK AND FORECASTING	
ICE AFFECTED FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-02	
JUNE 2020	FIGURE 2.2
REV: 0	0

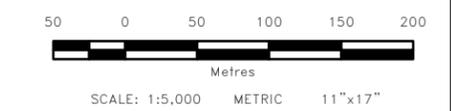


LEGEND:

- Sta: 23648 Name: CR-53 AEP 1:20: 4.2 m AEP 1:100: 4.5 m
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- 1:20 Year Ice Affected Flood Zone
- 1:100 Year Ice Affected Flood Zone

NOTES:

1. Imagery is supplied by ATLAS Geomatics and dated as September 11 – 13, 2019.
2. Topography shown was developed by KGS Group from the LiDAR captured by ATLAS Geomatics on September 11 – 13, 2019.



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Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM)
Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

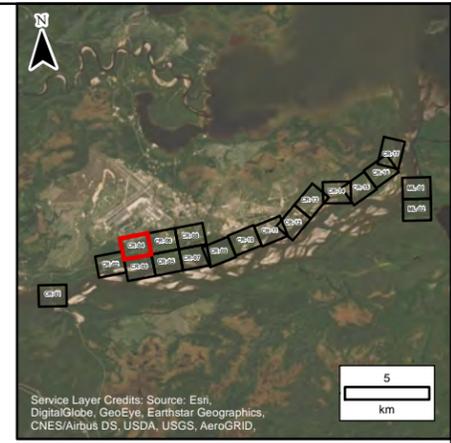
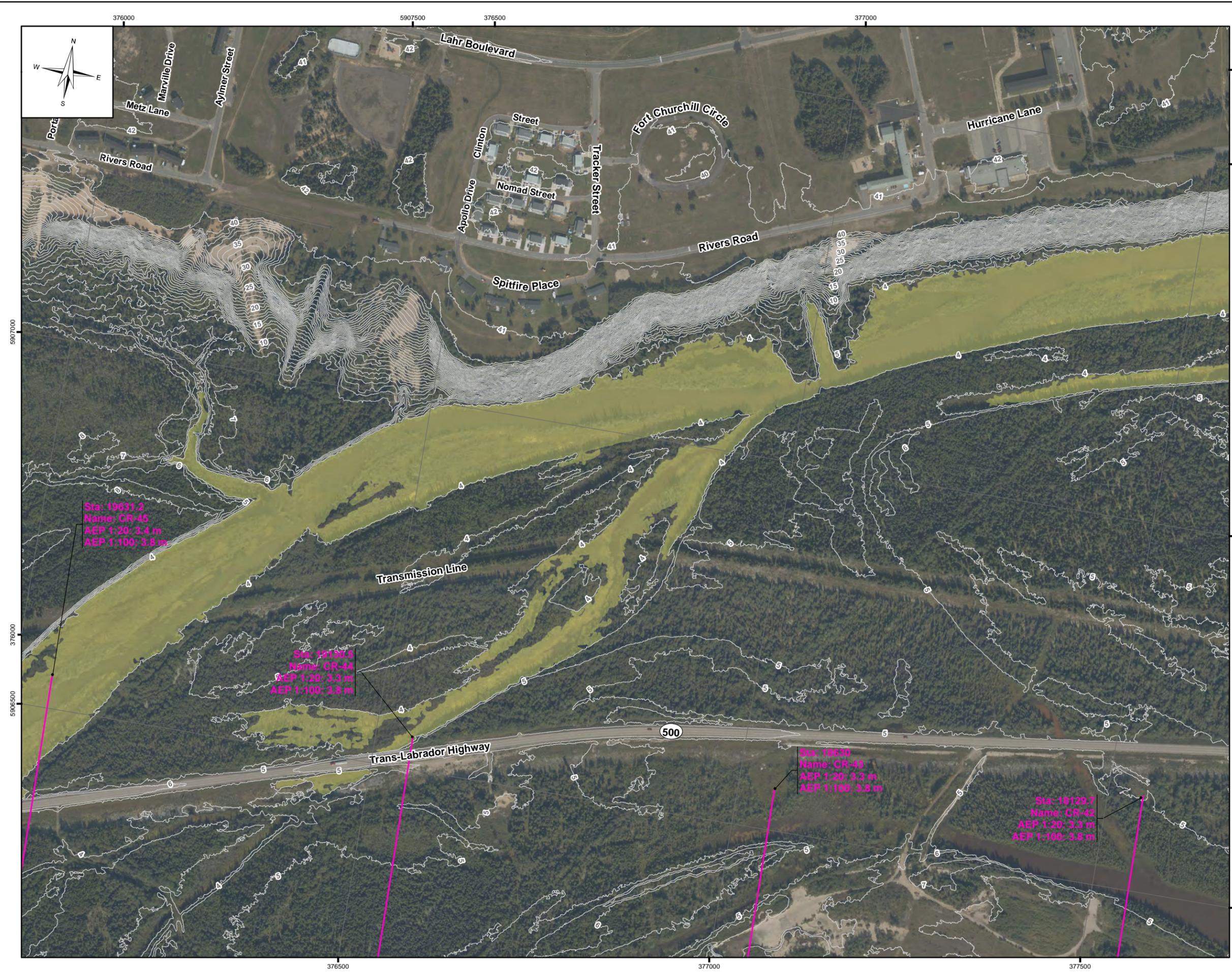
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CHURCHILL RIVER FLOOD RISK AND FORECASTING

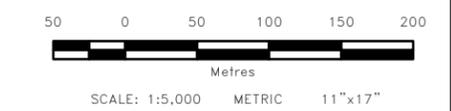
ICE AFFECTED FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-03

JUNE 2020	FIGURE 2.2	REV: 0
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- LEGEND:**
- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - 1:20 Year Ice Affected Flood Zone
 - 1:100 Year Ice Affected Flood Zone

- NOTES:**
1. Imagery is supplied by ATGIS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATGIS Geomatics on September 11 – 13, 2019.



All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

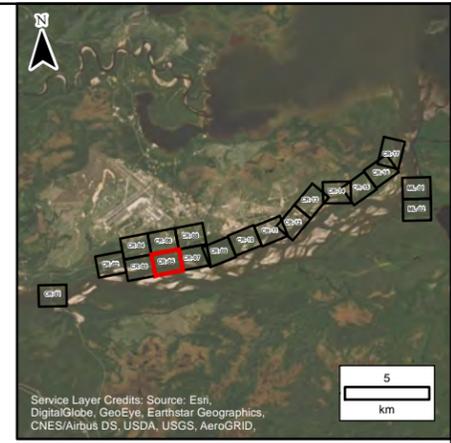
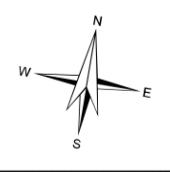
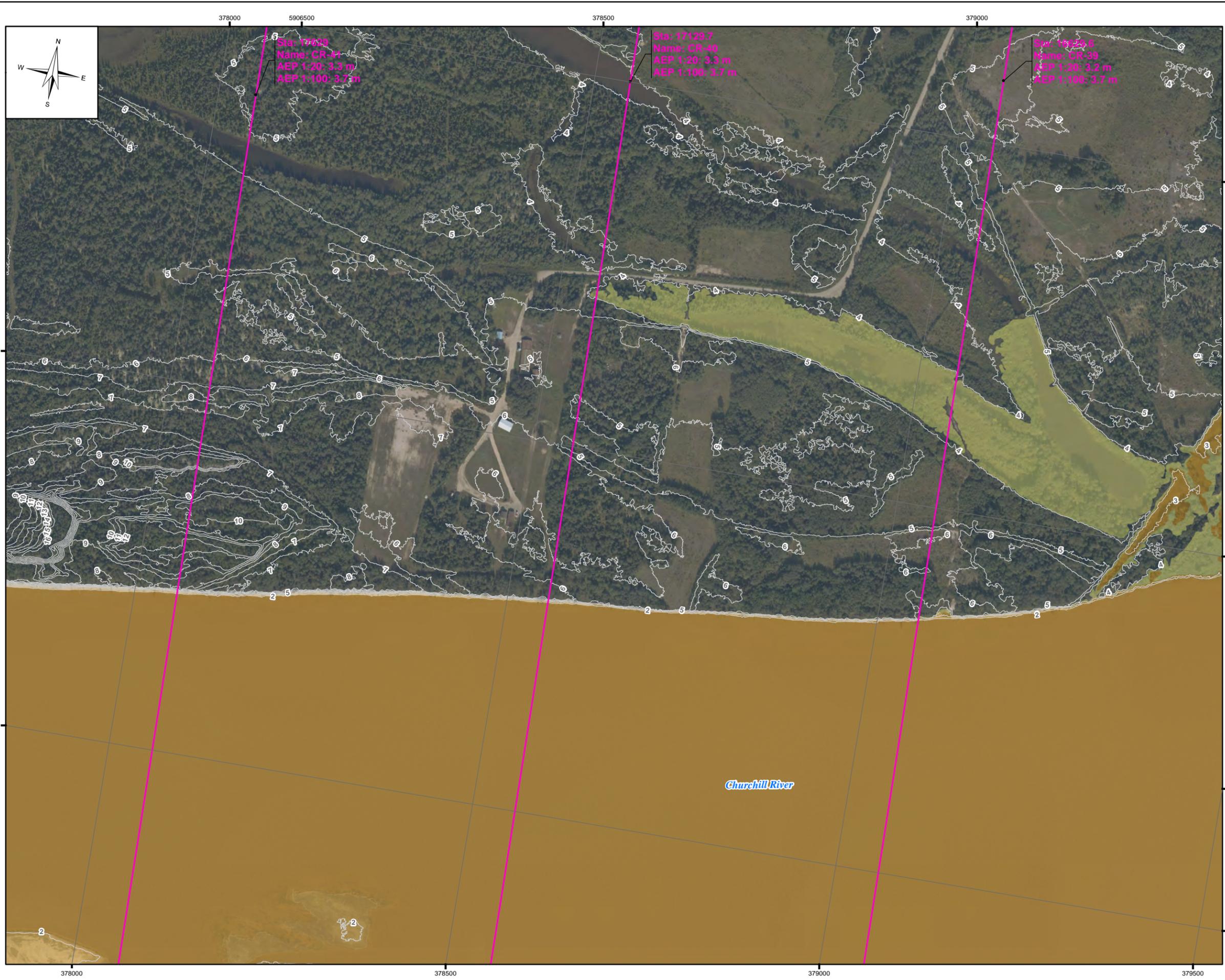
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-04

JUNE 2020	FIGURE 2.2	REV: 0
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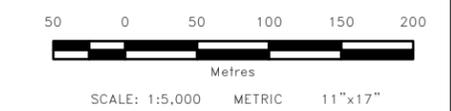


LEGEND:

- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- 1:20 Year Ice Affected Flood Zone
- 1:100 Year Ice Affected Flood Zone

NOTES:

1. Imagery is supplied by ATLIIS Geomatics and dated as September 11 – 13, 2019.
2. Topography shown was developed by KGS Group from the LiDAR captured by ATLIIS Geomatics on September 11 – 13, 2019.

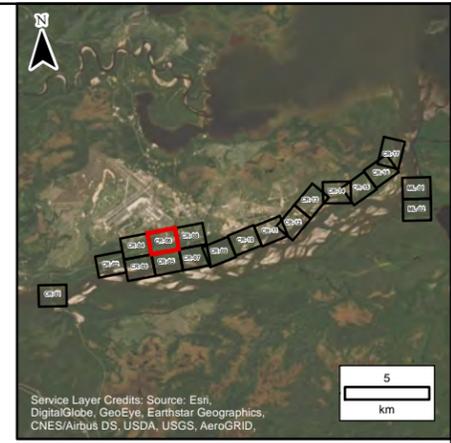
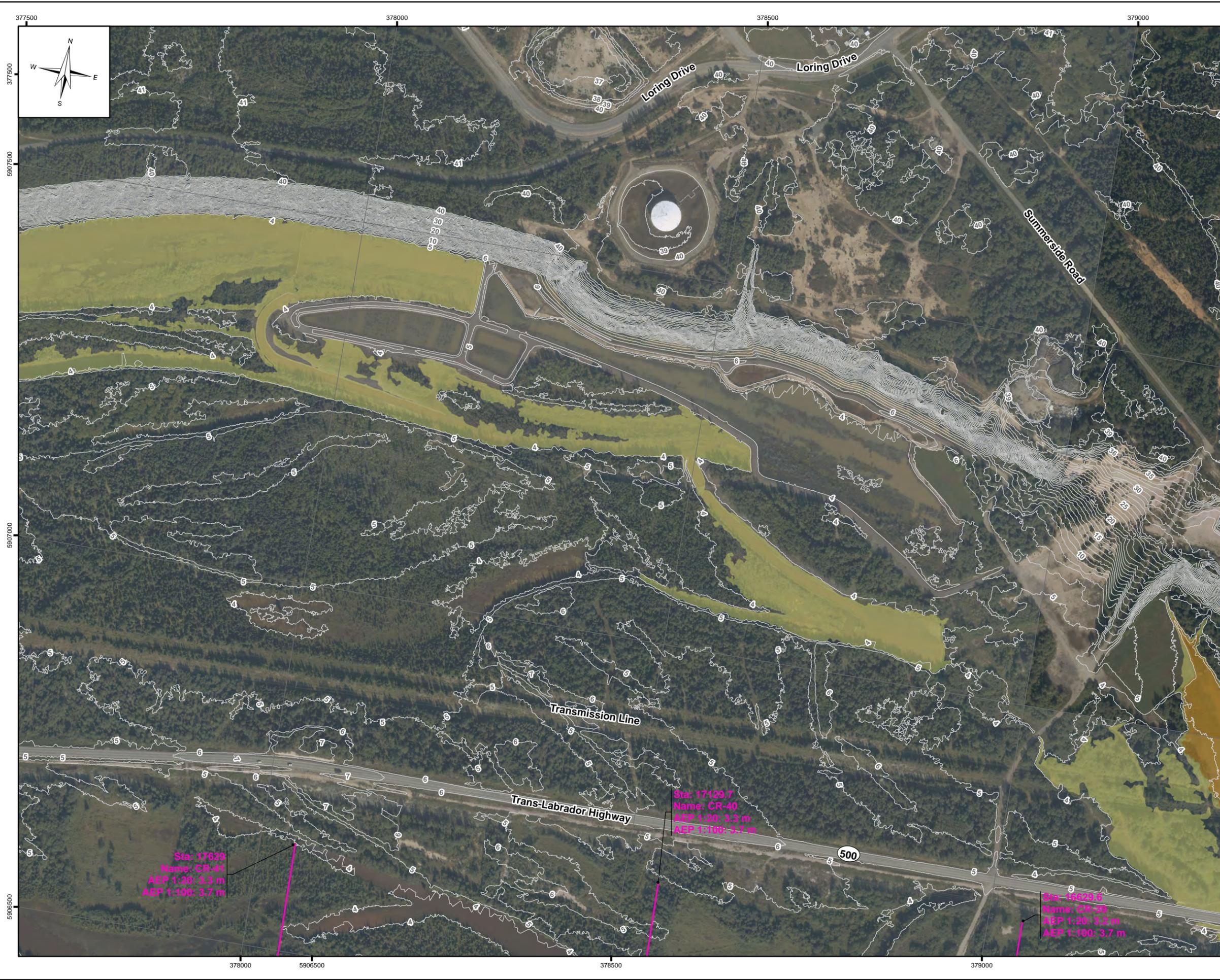


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM)
Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

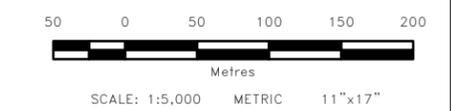
REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING	
ICE AFFECTED FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-05	
JUNE 2020	FIGURE 2.2
REV: 0	REV: 0



- LEGEND:**
- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - 1:20 Year Ice Affected Flood Zone
 - 1:100 Year Ice Affected Flood Zone

- NOTES:**
1. Imagery is supplied by ATGIS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATGIS Geomatics on September 11 – 13, 2019.

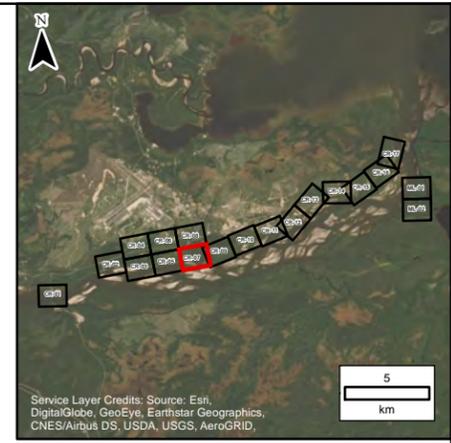
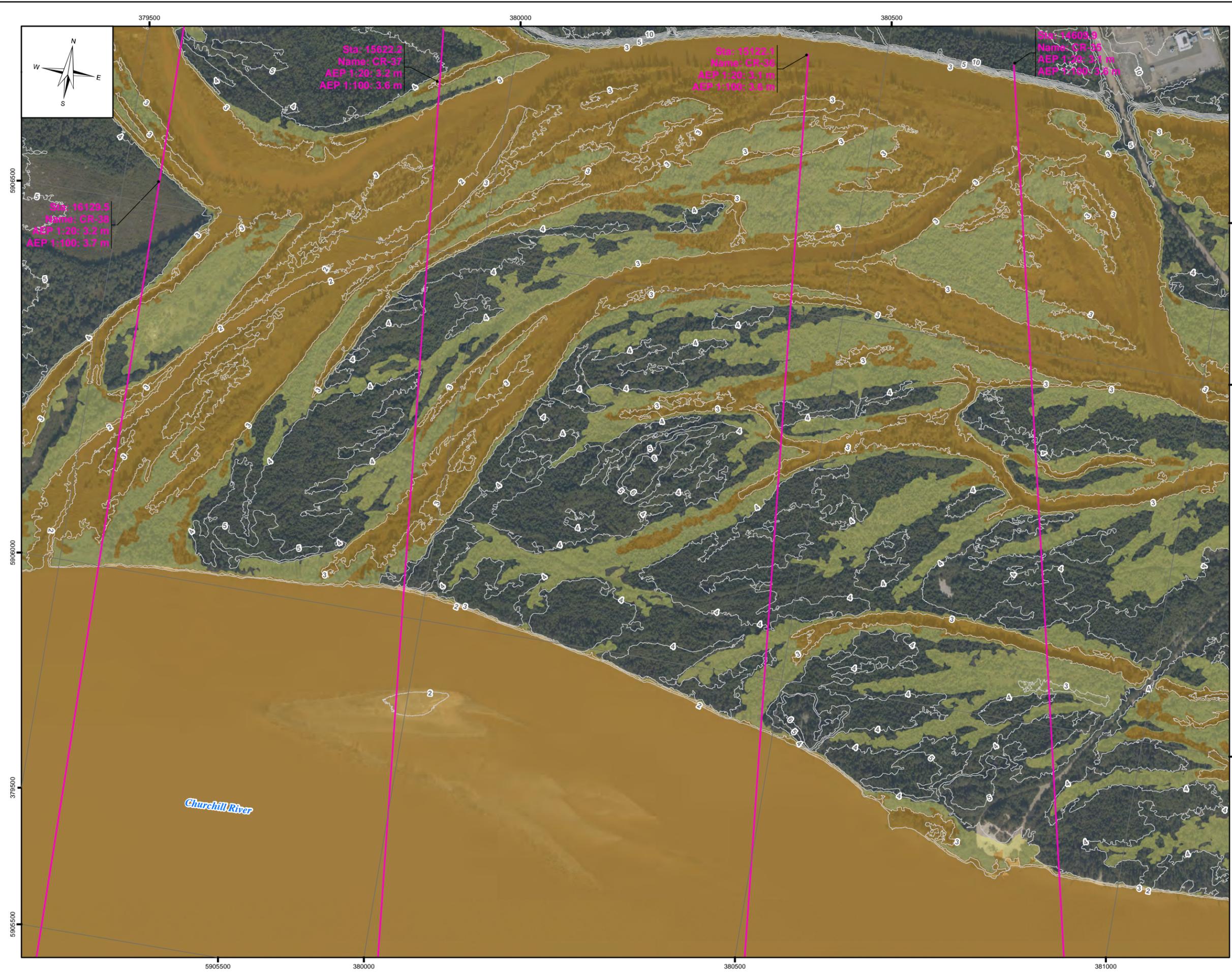


All units are metric and in metres unless otherwise specified.
 Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM), Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

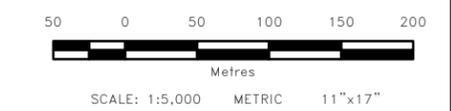
CHURCHILL RIVER FLOOD RISK AND FORECASTING		
ICE AFFECTED FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-06		
JUNE 2020	FIGURE 2.2	REV: 0



LEGEND:

- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- 1:20 Year Ice Affected Flood Zone
- 1:100 Year Ice Affected Flood Zone

- NOTES:**
1. Imagery is supplied by ATGIS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATGIS Geomatics on September 11 – 13, 2019.

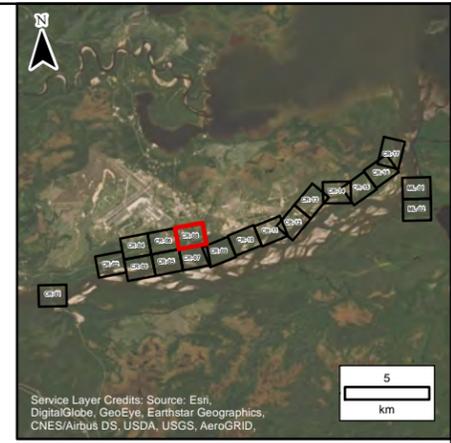
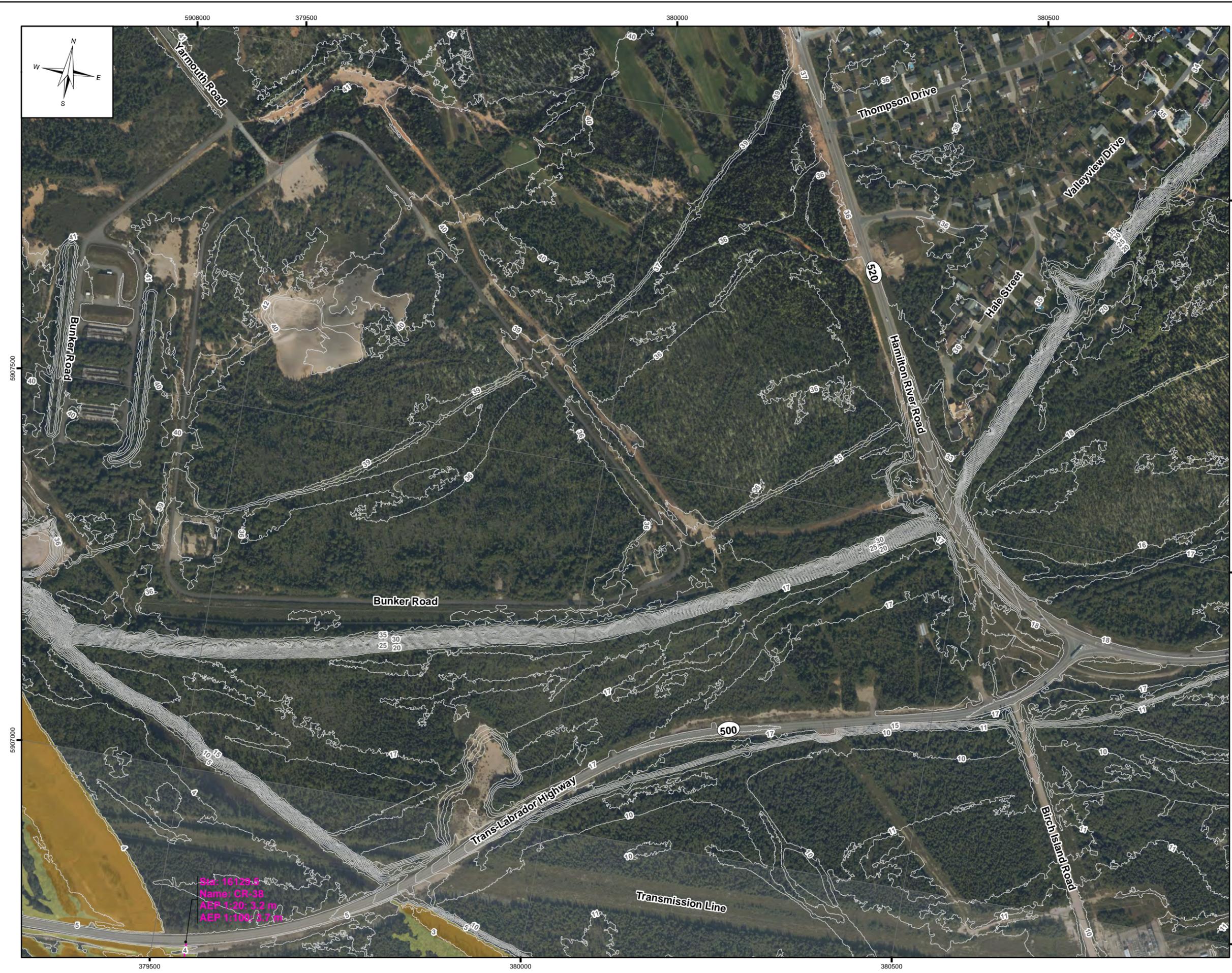


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM)
Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

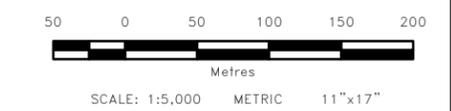
REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING	
ICE AFFECTED FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-07	
JUNE 2020	FIGURE 2.2
	REV: 0



- LEGEND:**
- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - 1:20 Year Ice Affected Flood Zone
 - 1:100 Year Ice Affected Flood Zone

- NOTES:**
1. Imagery is supplied by ATLAS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATLAS Geomatics on September 11 – 13, 2019.



All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM)
Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

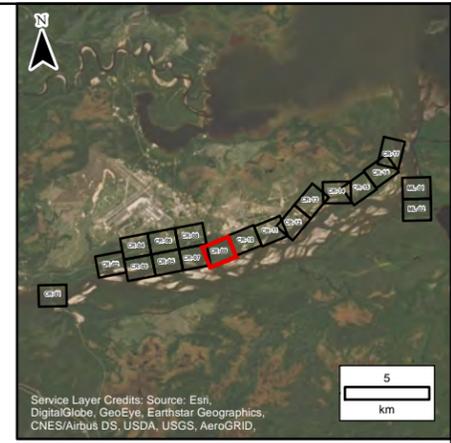
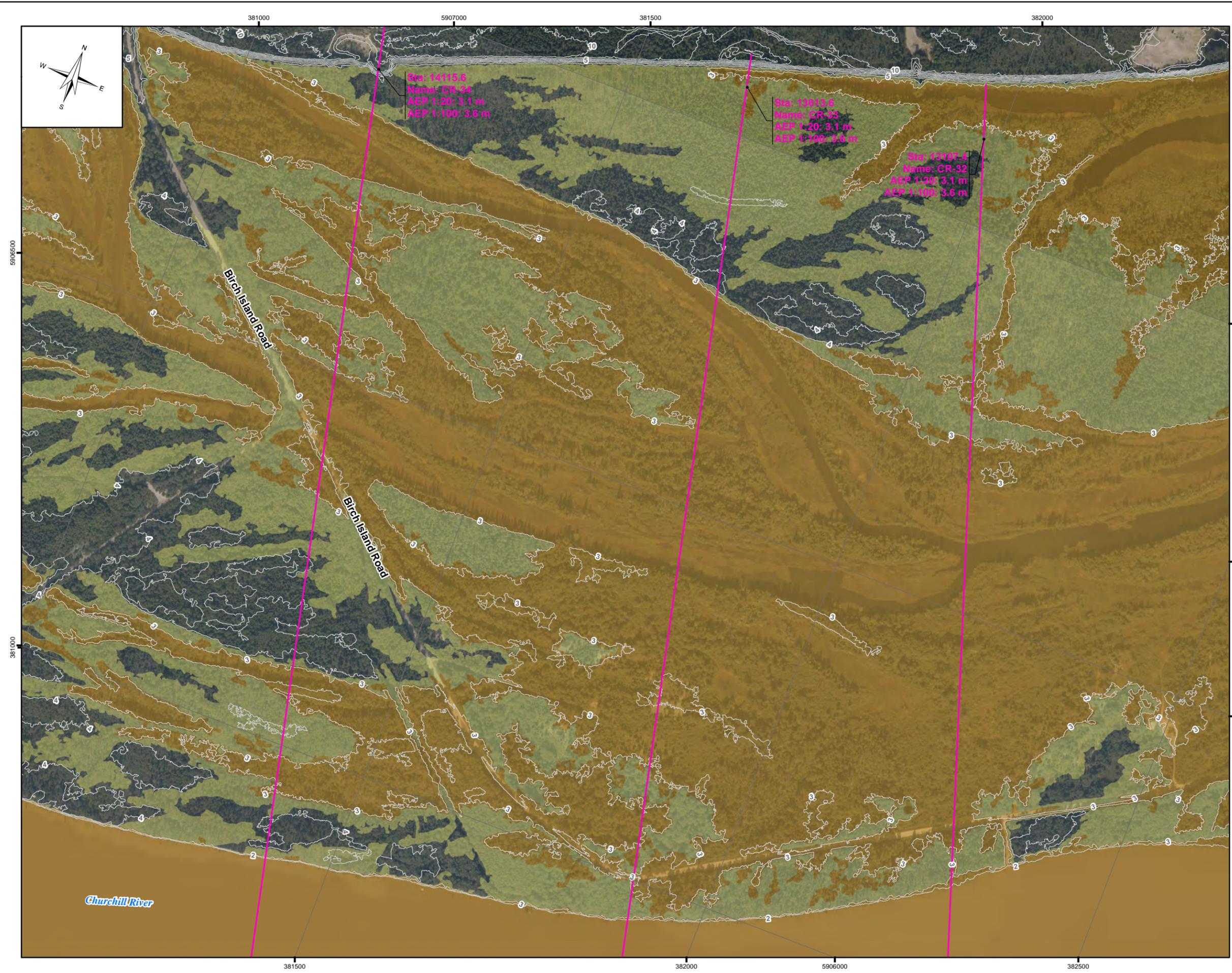
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-08

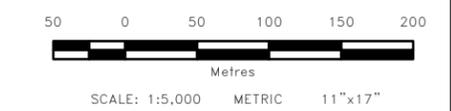
JUNE 2020	FIGURE 2.2	REV: 0
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LEGEND:

- Sta: 23648
Name: CR-33
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- 1:20 Year Ice Affected Flood Zone
- 1:100 Year Ice Affected Flood Zone

- NOTES:**
1. Imagery is supplied by ATGIS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATGIS Geomatics on September 11 – 13, 2019.

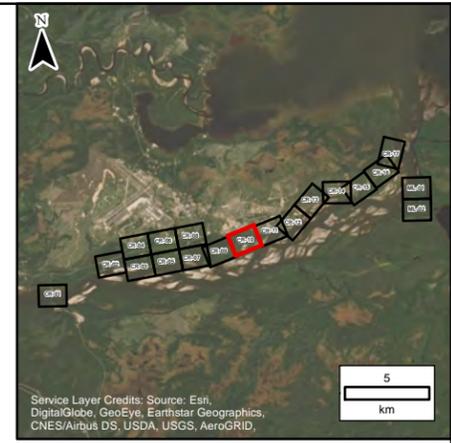
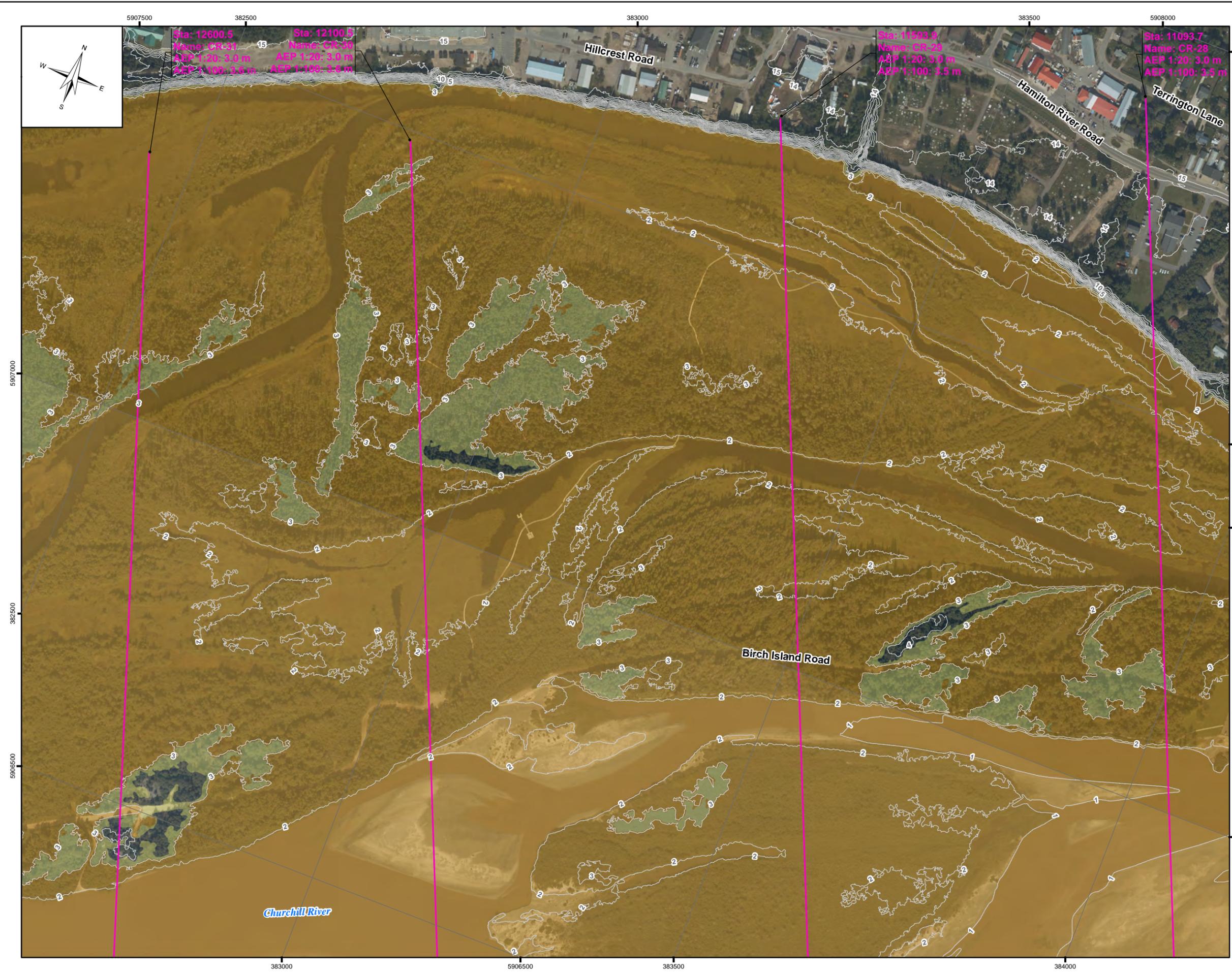


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM)
Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING	
ICE AFFECTED FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-09	
JUNE 2020	FIGURE 2.2
	REV: 0

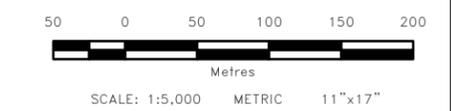


LEGEND:

- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour
- 1:20 Year Ice Affected Flood Zone
- 1:100 Year Ice Affected Flood Zone

NOTES:

1. Imagery is supplied by ATLAS Geomatics and dated as September 11 – 13, 2019.
2. Topography shown was developed by KGS Group from the LiDAR captured by ATLAS Geomatics on September 11 – 13, 2019.



All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM)
Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

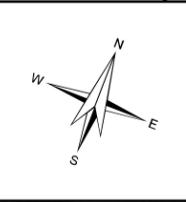
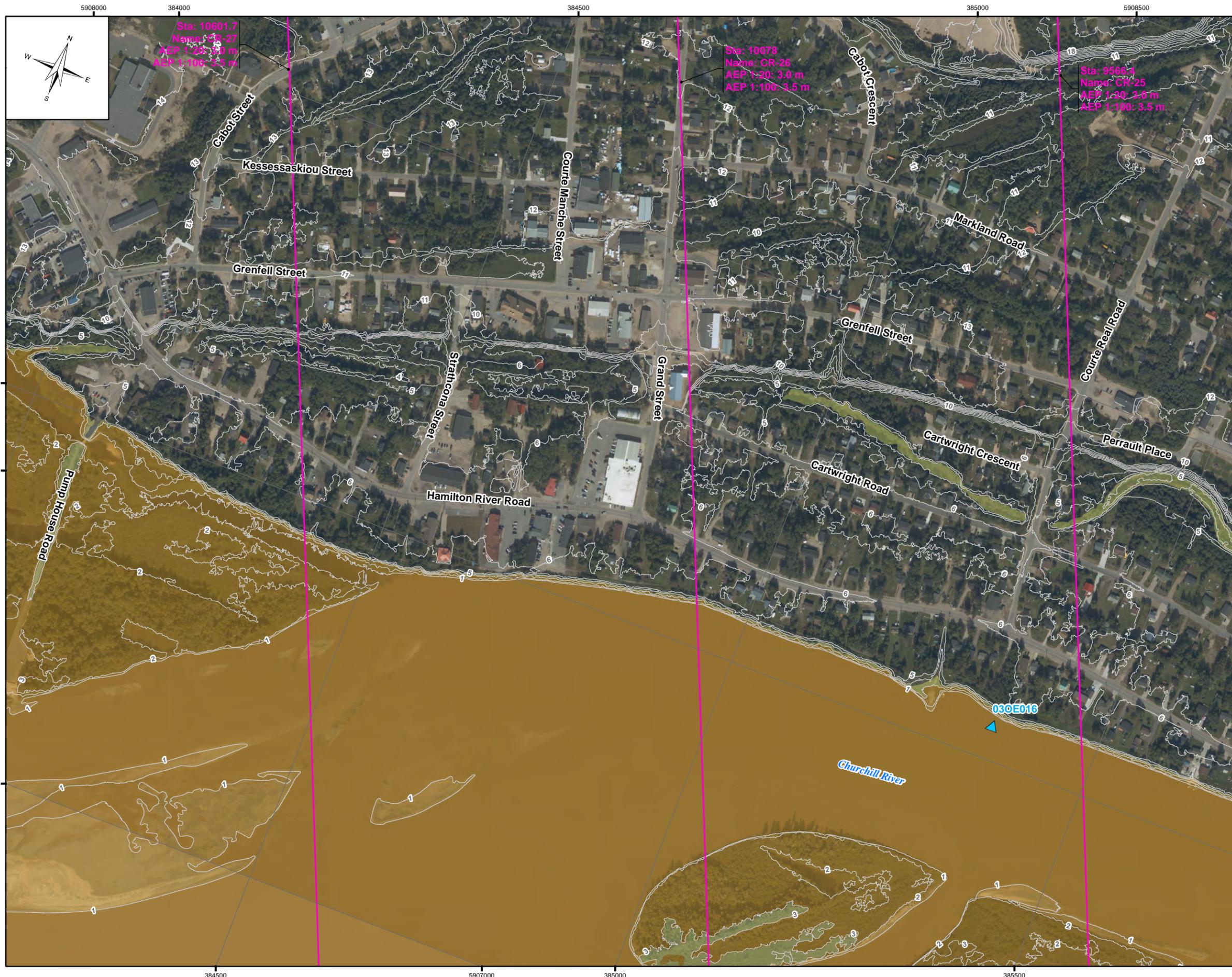
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
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REVISIONS / ISSUE

JUNE 2020	FIGURE 2.2	REV: 0
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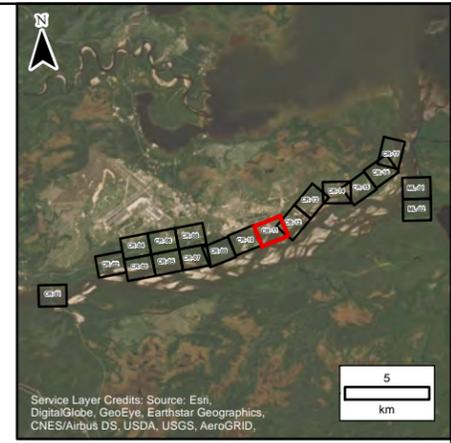
File Name: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig2.2_11x17.mxd
 11"x17" PLOT_SCALE 1:1



Sta: 10601.7
 Name: CR-27
 AEP 1:20: 3.0 m
 AEP 1:100: 3.5 m

Sta: 10078
 Name: CR-26
 AEP 1:20: 3.0 m
 AEP 1:100: 3.5 m

Sta: 9566.4
 Name: CR-25
 AEP 1:20: 3.0 m
 AEP 1:100: 3.5 m

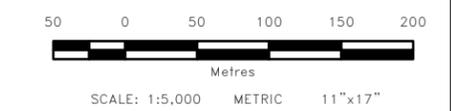


LEGEND:

- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- 1:20 Year Ice Affected Flood Zone
- 1:100 Year Ice Affected Flood Zone

NOTES:

1. Imagery is supplied by ATLIS Geomatics and dated as September 11 – 13, 2019.
2. Topography shown was developed by KGS Group from the LiDAR captured by ATLIS Geomatics on September 11 – 13, 2019.



All units are metric and in metres unless otherwise specified.
 Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM)
 Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

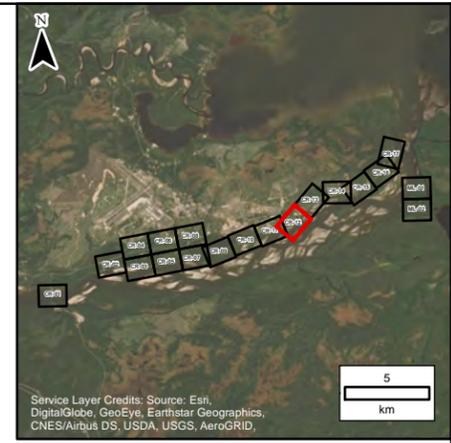
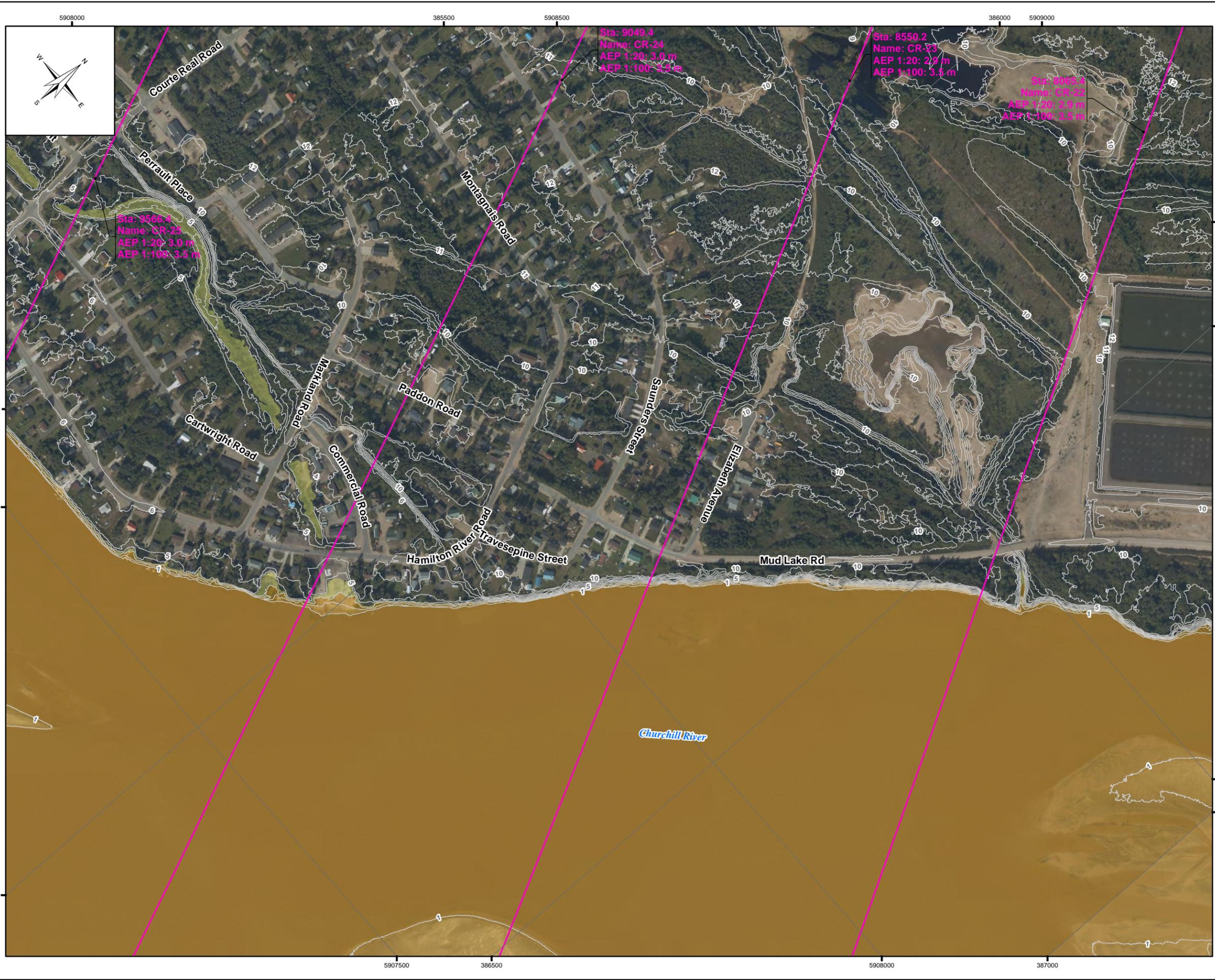
CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-11

JUNE 2020	FIGURE 2.2	REV: 0
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File Name: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig2.2_11x17.mxd
 11"x17" PLOT SCALE 1:1

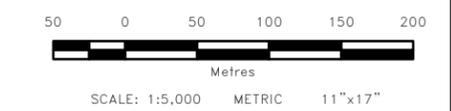


LEGEND:

- Sta: 23648 Name: CR-53 AEP 1:20: 4.2 m AEP 1:100: 4.5 m
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- 1:20 Year Ice Affected Flood Zone
- 1:100 Year Ice Affected Flood Zone

NOTES:

1. Imagery is supplied by ATGIS Geomatics and dated as September 11 – 13, 2019.
2. Topography shown was developed by KGS Group from the LiDAR captured by ATGIS Geomatics on September 11 – 13, 2019.



All units are metric and in metres unless otherwise specified.
 Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM)
 Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

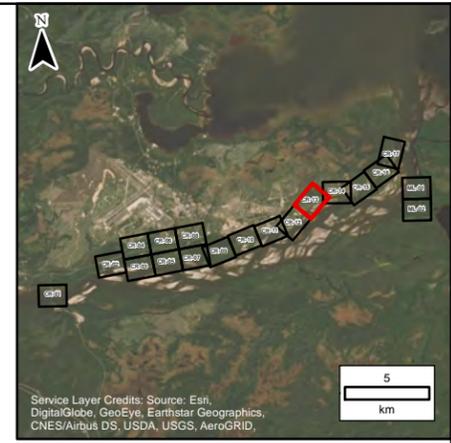
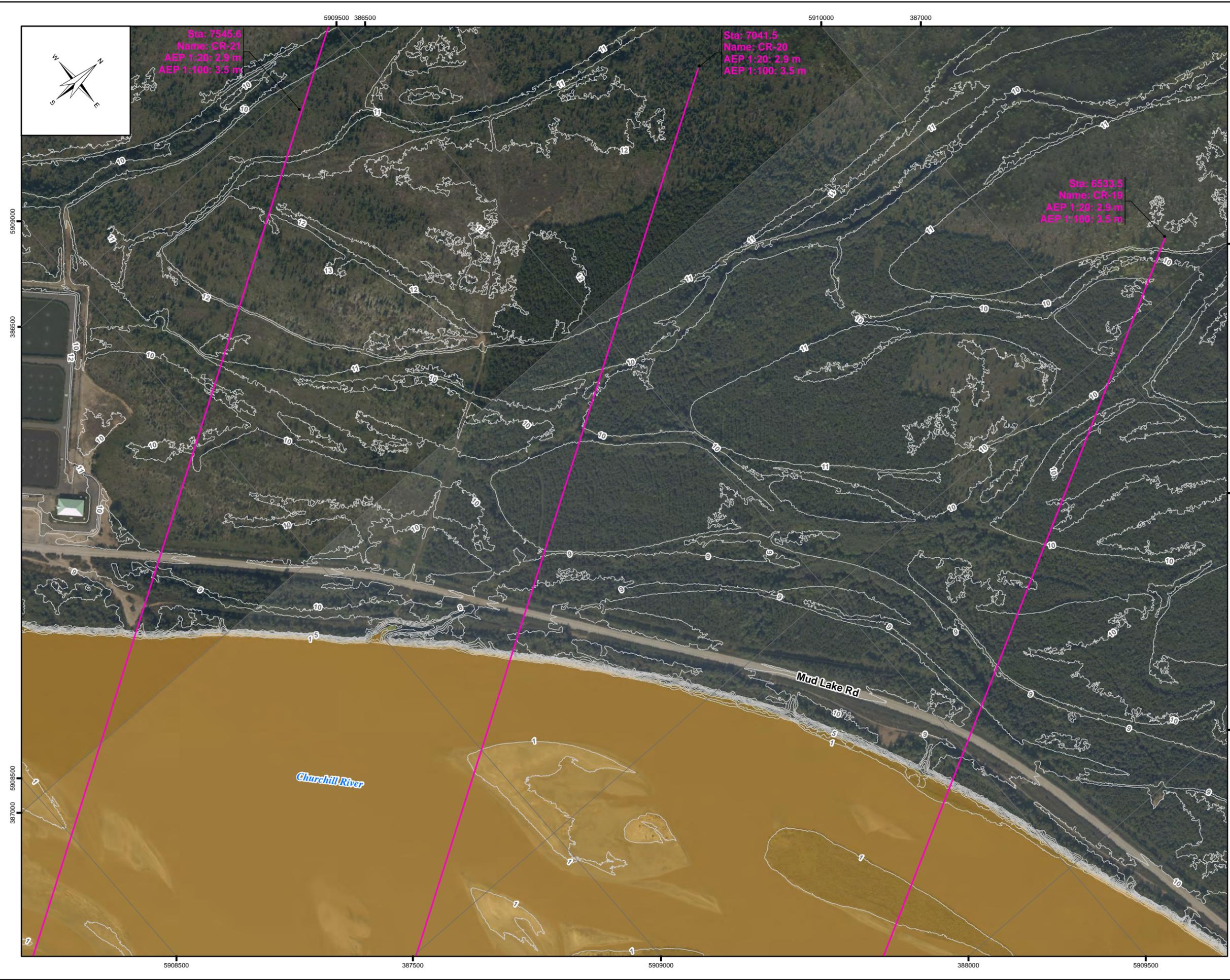
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-12

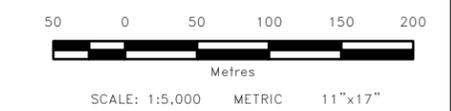
JUNE 2020	FIGURE 2.2	REV: 0
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LEGEND:

- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- 1:20 Year Ice Affected Flood Zone
- 1:100 Year Ice Affected Flood Zone

- NOTES:**
1. Imagery is supplied by ATLAS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATLAS Geomatics on September 11 – 13, 2019.



All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM)
Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

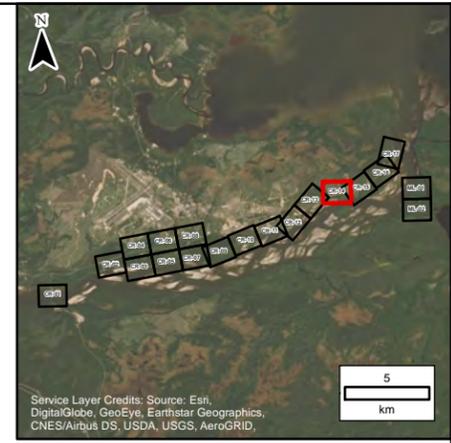
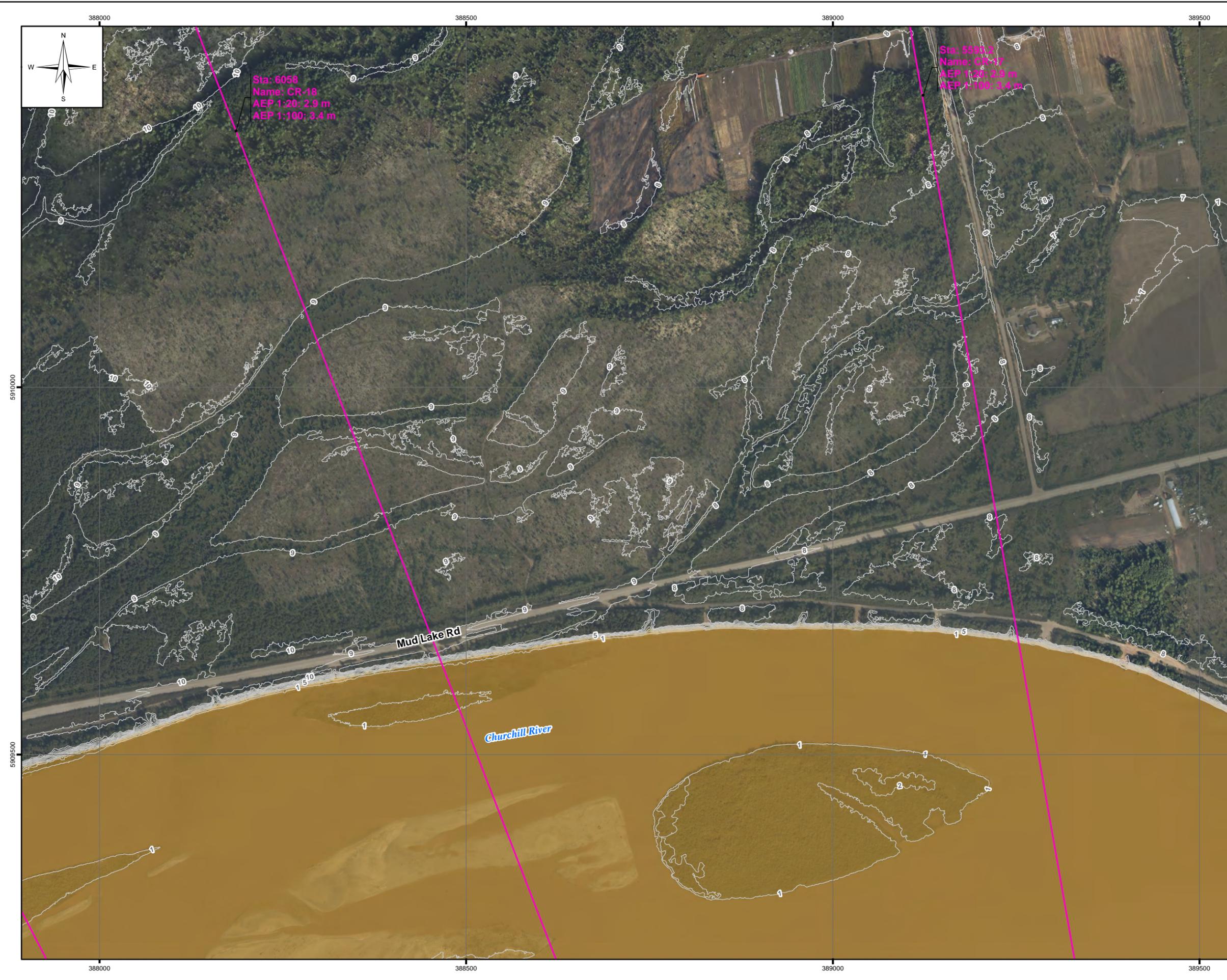
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

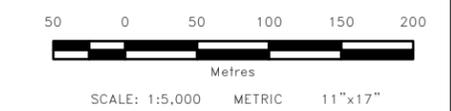
ICE AFFECTED FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-13

JUNE 2020	FIGURE 2.2	REV: 0
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- LEGEND:**
- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - 1:20 Year Ice Affected Flood Zone
 - 1:100 Year Ice Affected Flood Zone

- NOTES:**
1. Imagery is supplied by ATLIS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATLIS Geomatics on September 11 – 13, 2019.

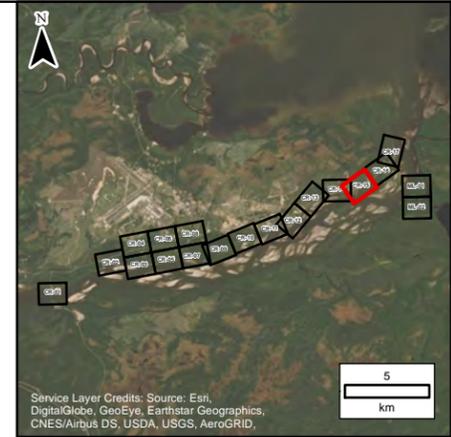
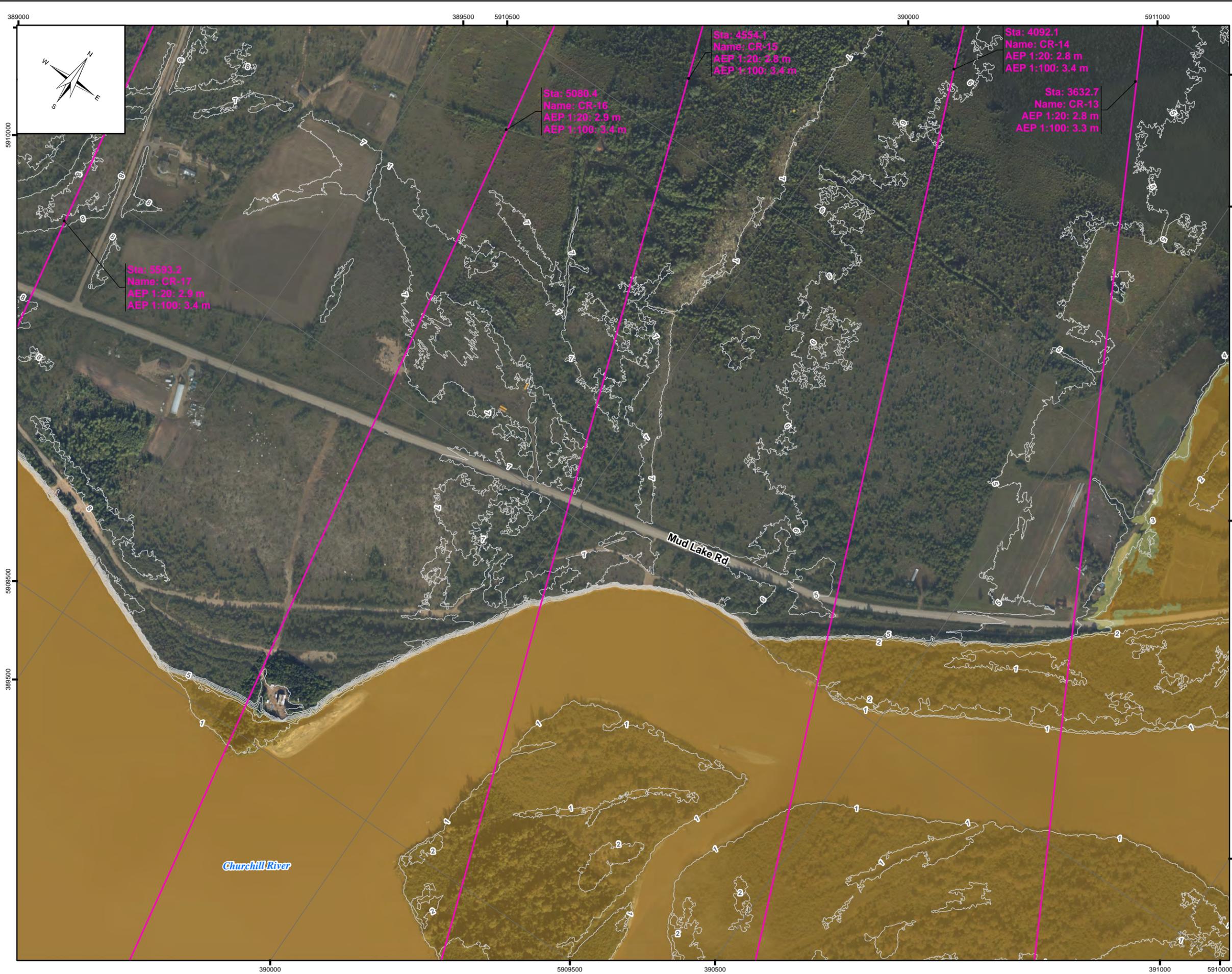


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM)
Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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NO.	Y1/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

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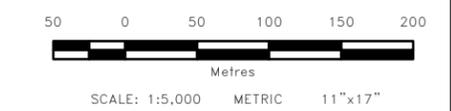
CHURCHILL RIVER FLOOD RISK AND FORECASTING	
ICE AFFECTED FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-14	
JUNE 2020	FIGURE 2.2
REV: 0	0



LEGEND:

- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- 1:20 Year Ice Affected Flood Zone
- 1:100 Year Ice Affected Flood Zone

- NOTES:**
1. Imagery is supplied by ATLAS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATLAS Geomatics on September 11 – 13, 2019.



All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM)
Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

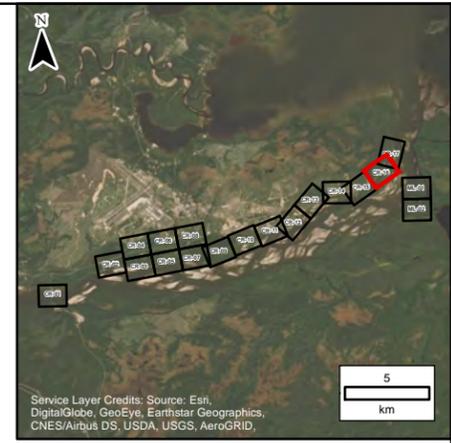
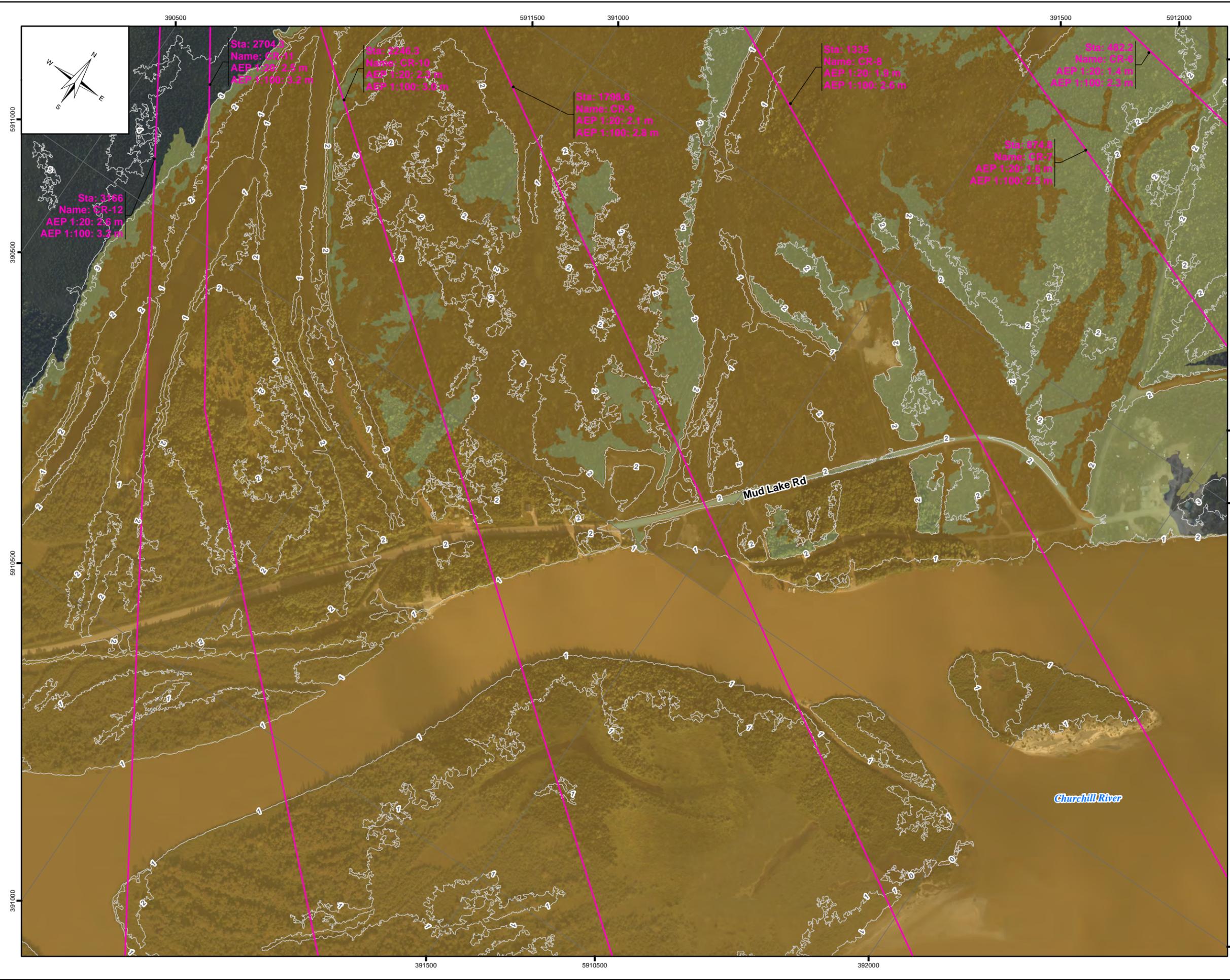
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

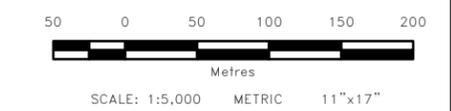
ICE AFFECTED FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-15

JUNE 2020	FIGURE 2.2	REV: 0
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- LEGEND:**
- Sta: 2704.2
Name: CR-11
AEP 1:20: 2.5 m
AEP 1:100: 3.2 m
 - Sta: 3246.3
Name: CR-10
AEP 1:20: 2.3 m
AEP 1:100: 3.0 m
 - Sta: 1798.6
Name: CR-9
AEP 1:20: 2.1 m
AEP 1:100: 2.8 m
 - Sta: 1335
Name: CR-8
AEP 1:20: 1.9 m
AEP 1:100: 2.6 m
 - Sta: 482.2
Name: CR-6
AEP 1:20: 1.4 m
AEP 1:100: 2.3 m
 - Sta: 874.8
Name: CR-7
AEP 1:20: 1.6 m
AEP 1:100: 2.5 m
 - Sta: 2364.8
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - 1:20 Year Ice Affected Flood Zone
 - 1:100 Year Ice Affected Flood Zone

- NOTES:**
1. Imagery is supplied by ATLAS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATLAS Geomatics on September 11 – 13, 2019.



All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM)
Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

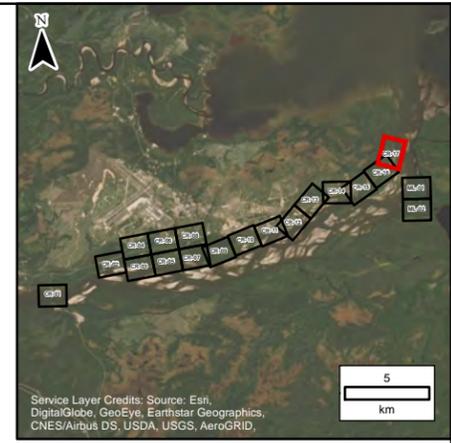
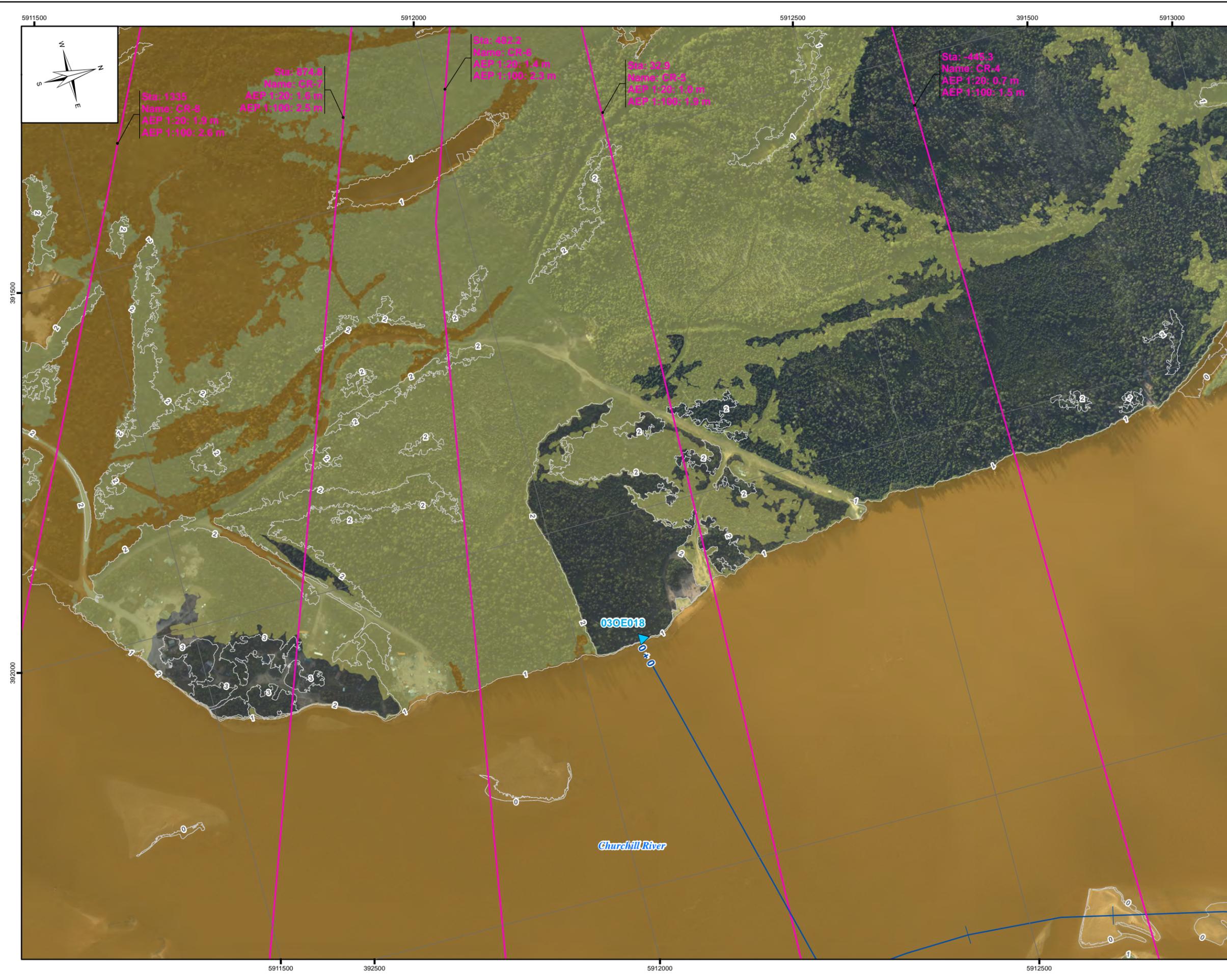
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
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CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-16

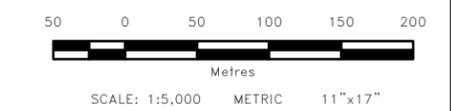
JUNE 2020	FIGURE 2.2	REV: 0
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LEGEND:

- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour
- 1:20 Year Ice Affected Flood Zone
- 1:100 Year Ice Affected Flood Zone

- NOTES:**
1. Imagery is supplied by ATLIS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATLIS Geomatics on September 11 – 13, 2019.

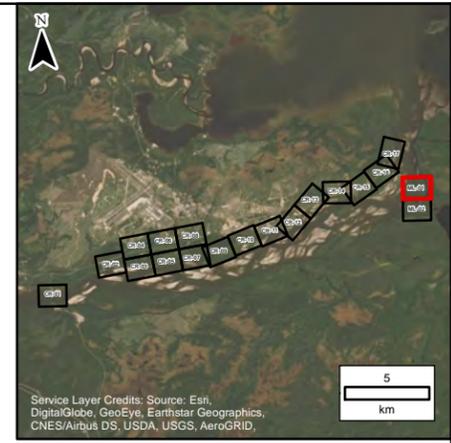
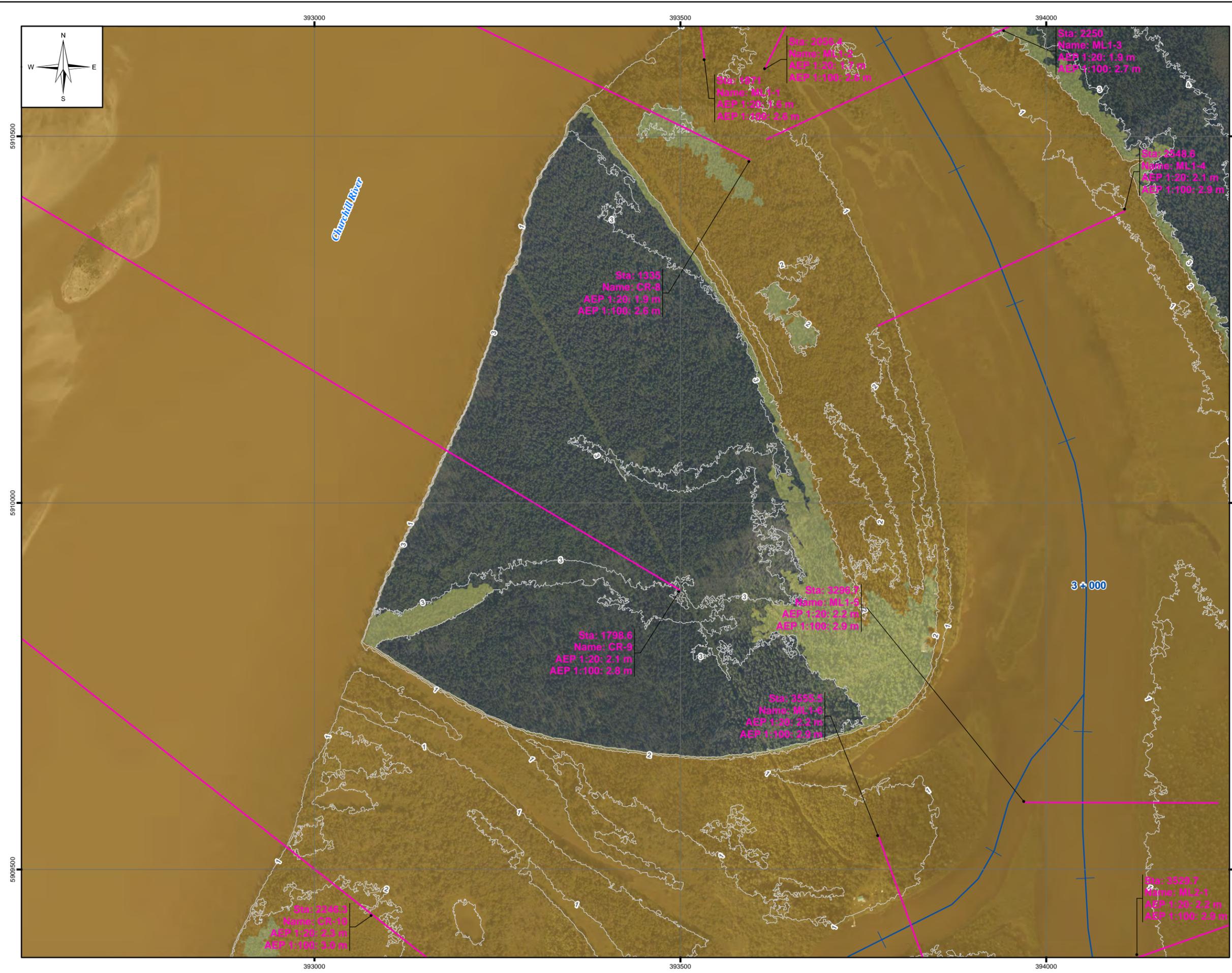


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM)
Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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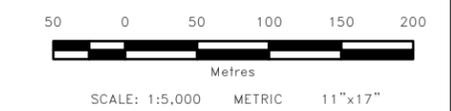
CHURCHILL RIVER FLOOD RISK AND FORECASTING	
ICE AFFECTED FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CR-17	
JUNE 2020	FIGURE 2.2
	REV: 0



LEGEND:

- Sta: 2246.3
Name: CR-10
AEP 1:20: 2.3 m
AEP 1:100: 3.0 m
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour
- 1:20 Year Ice Affected Flood Zone
- 1:100 Year Ice Affected Flood Zone

- NOTES:**
- Imagery is supplied by ATGIS Geomatics and dated as September 11 – 13, 2019.
 - Topography shown was developed by KGS Group from the LiDAR captured by ATGIS Geomatics on September 11 – 13, 2019.

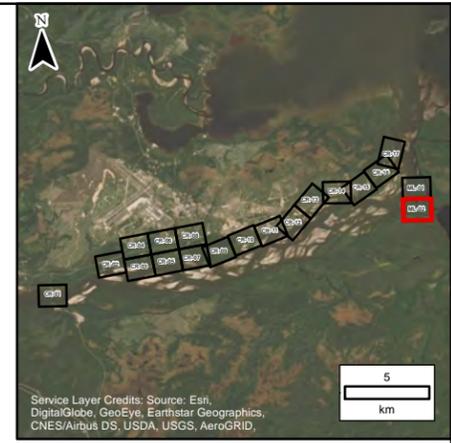
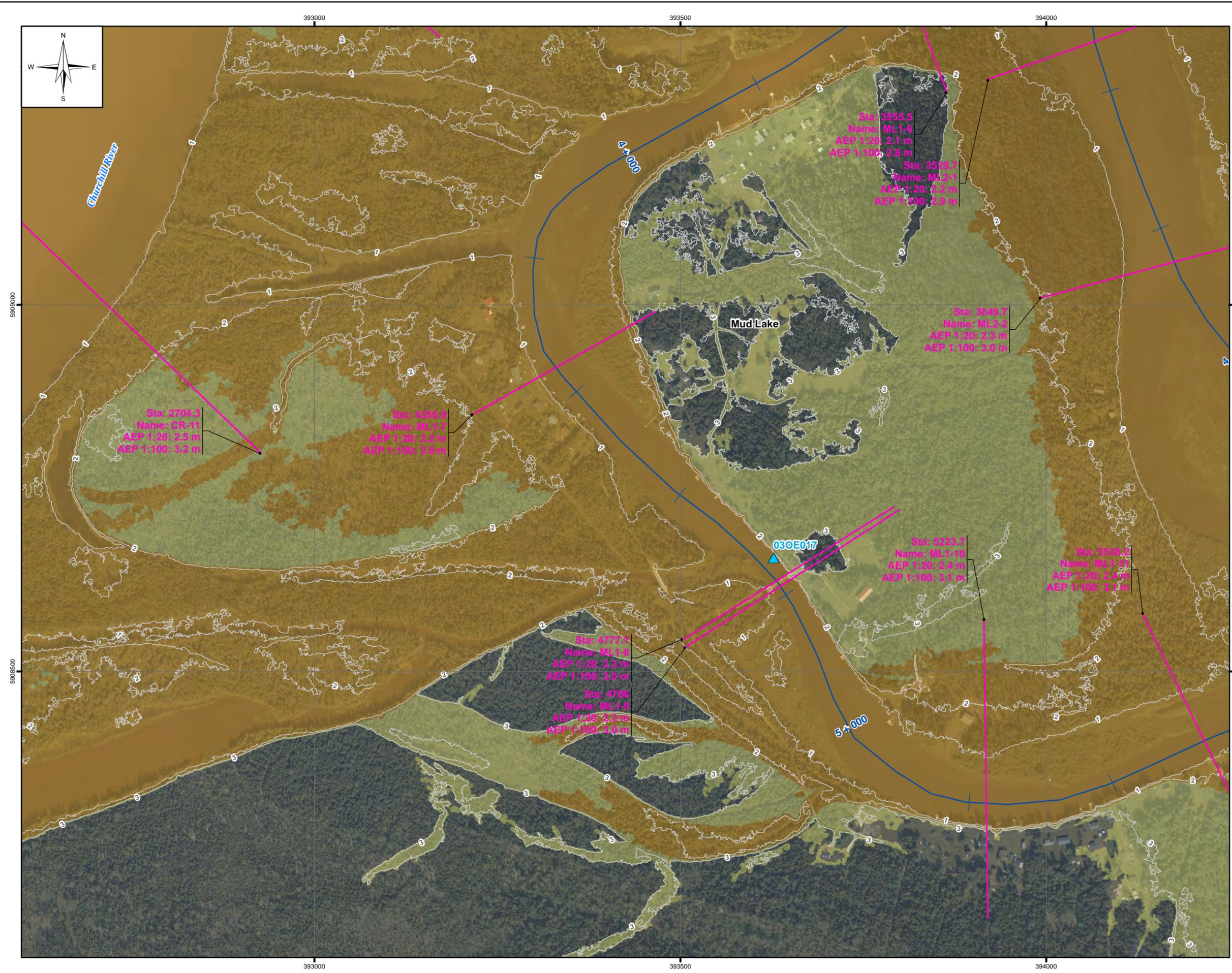


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

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CHURCHILL RIVER FLOOD RISK AND FORECASTING	
ICE AFFECTED FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – ML-01	
JUNE 2020	FIGURE 2.2
REV: 0	0

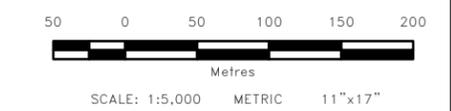


LEGEND:

- Sta: 2704.3
Name: CR-11
AEP 1:20: 2.3 m
AEP 1:100: 3.2 m
- Sta: 3555.5
Name: ML-6
AEP 1:20: 2.1 m
AEP 1:100: 2.8 m
- Sta: 3549.7
Name: ML-2-1
AEP 1:20: 2.2 m
AEP 1:100: 2.9 m
- Sta: 3849.7
Name: ML-2-2
AEP 1:20: 2.9 m
AEP 1:100: 3.0 m
- Sta: 4356.9
Name: ML-7
AEP 1:20: 2.2 m
AEP 1:100: 3.0 m
- Sta: 4777.1
Name: ML-8
AEP 1:20: 2.3 m
AEP 1:100: 3.0 m
- Sta: 4786
Name: ML-9
AEP 1:20: 2.3 m
AEP 1:100: 3.0 m
- Sta: 5229.7
Name: ML-10
AEP 1:20: 2.4 m
AEP 1:100: 3.1 m
- Sta: 5538.2
Name: ML-11
AEP 1:20: 2.4 m
AEP 1:100: 3.1 m
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour
- 1:20 Year Ice Affected Flood Zone
- 1:100 Year Ice Affected Flood Zone

NOTES:

1. Imagery is supplied by ATGIS Geomatics and dated as September 11 – 13, 2019.
2. Topography shown was developed by KGS Group from the LiDAR captured by ATGIS Geomatics on September 11 – 13, 2019.



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Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – ML-02

JUNE 2020	FIGURE 2.2	REV: 0
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