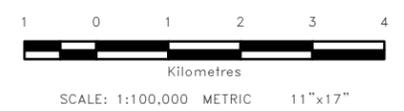




LEGEND:

- Water Survey of Canada Gauge Location
- River Centreline
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)
- 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).

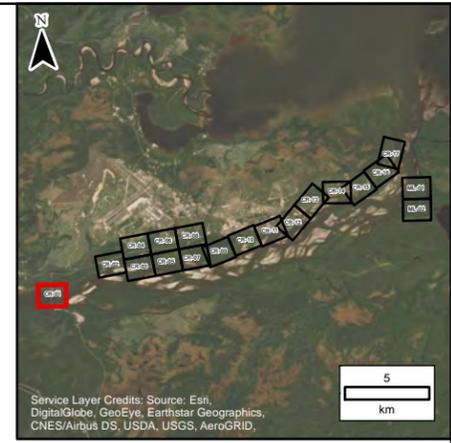
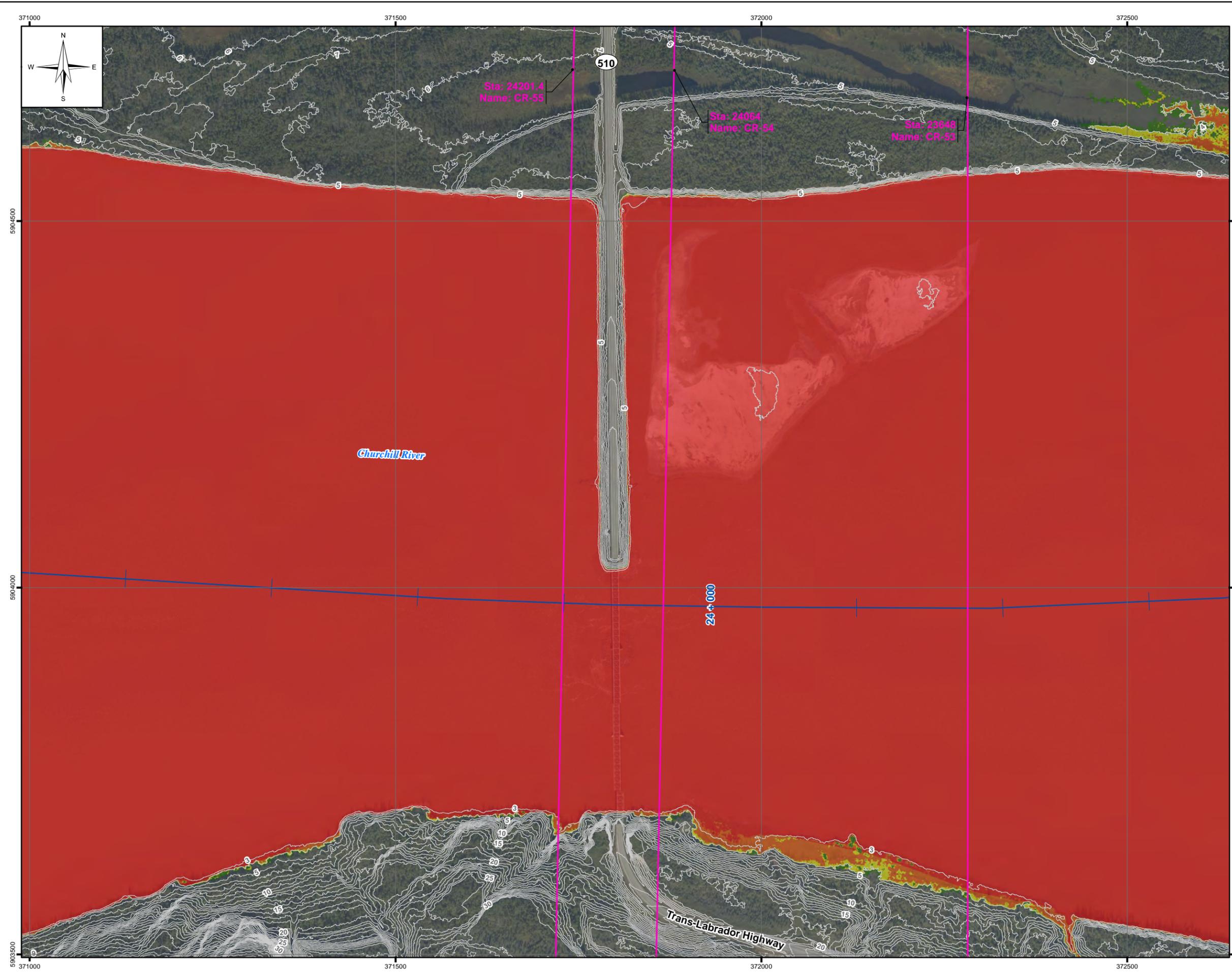
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - OVERVIEW MAP

JUNE 2020	FIGURE 8.1	REV: 0
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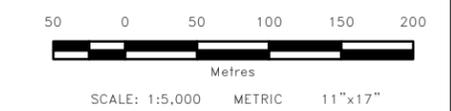


LEGEND:

- Sta: 23648 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

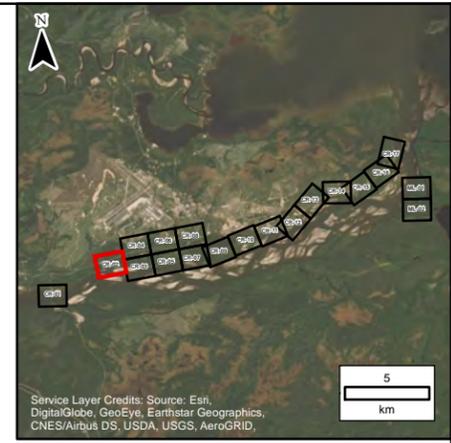
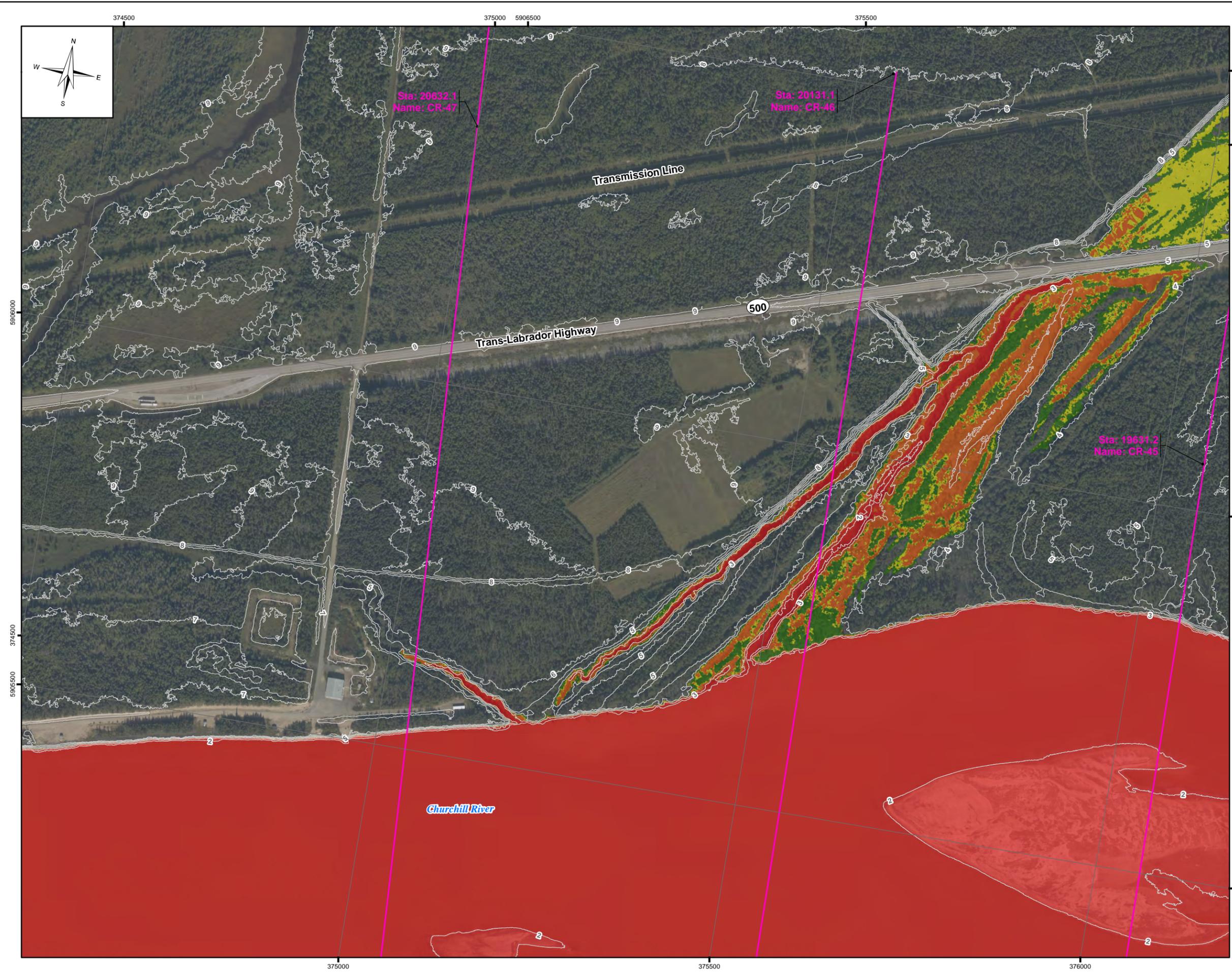
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-01

JUNE 2020	FIGURE 8.1	REV: 0
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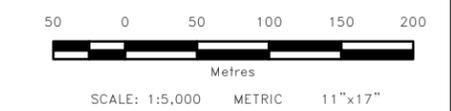


LEGEND:

- Sta: 20632.1 Name: CR-47
- Sta: 20131.1 Name: CR-46
- Sta: 19631.2 Name: CR-45
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

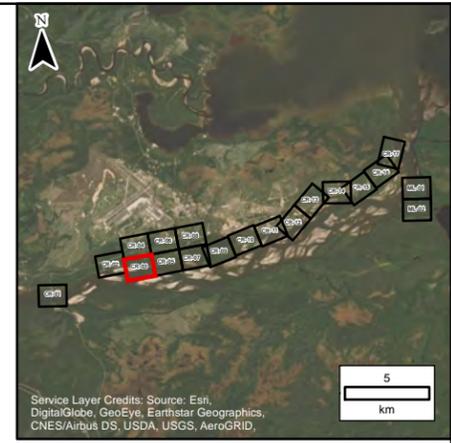
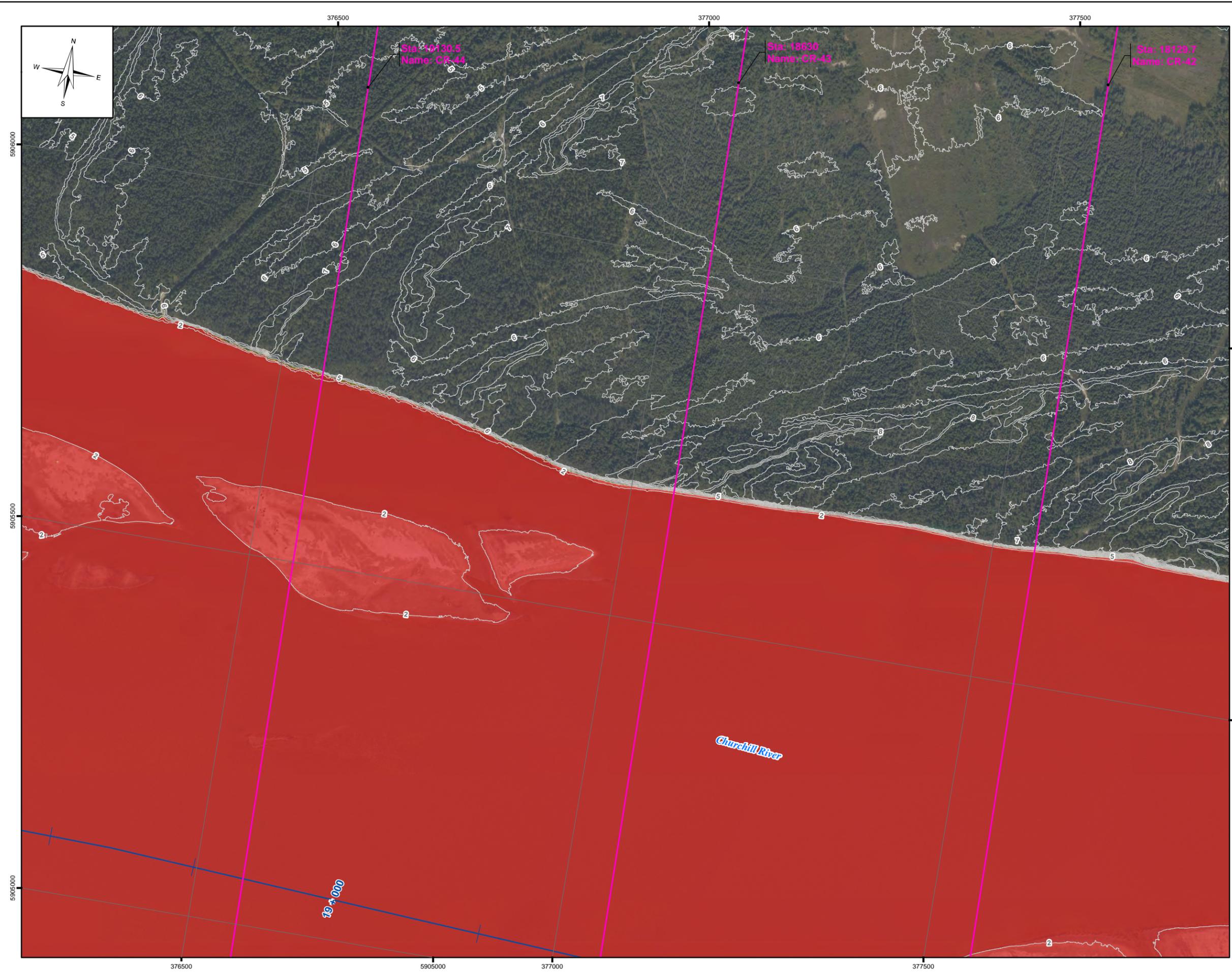
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD)
CONDITIONS - CR-02

JUNE 2020	FIGURE 8.1	REV: 0
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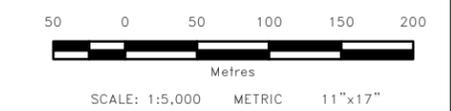


LEGEND:

- Sta: 23648 Name: CR-43
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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.

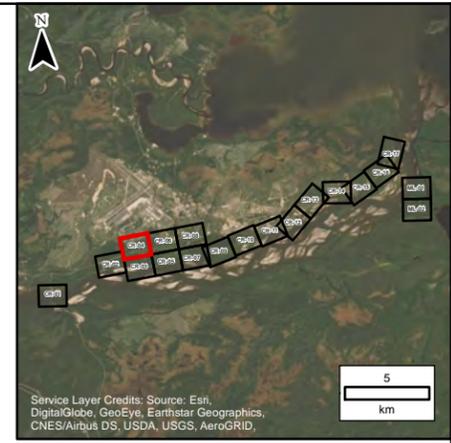
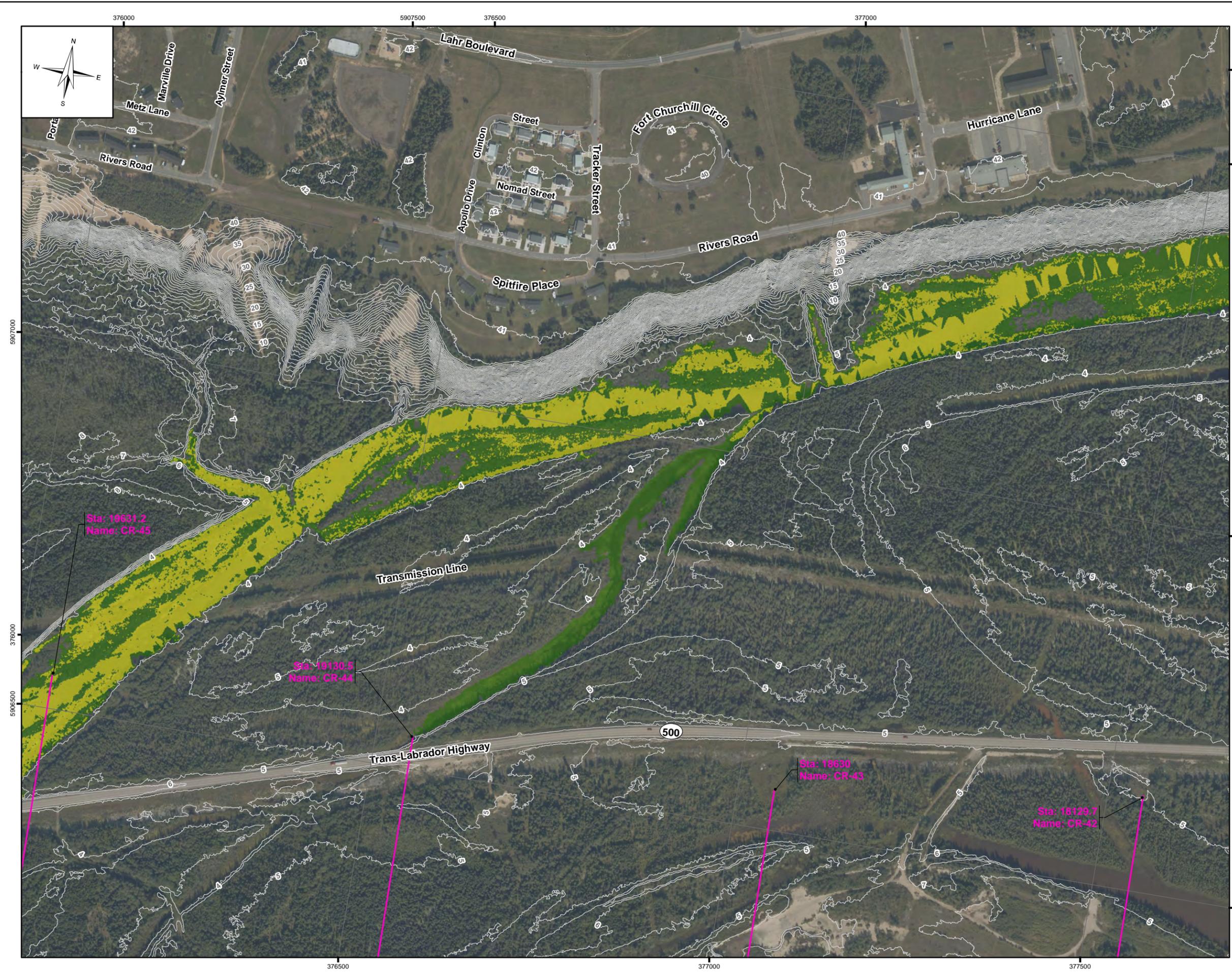


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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		
OPEN WATER 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-03		
JUNE 2020	FIGURE 8.1	REV: 0

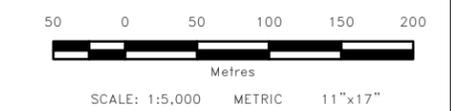


LEGEND:

- Sta: 23648 Name: CR-43
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

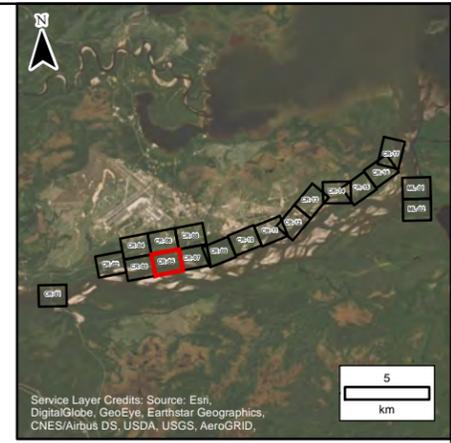
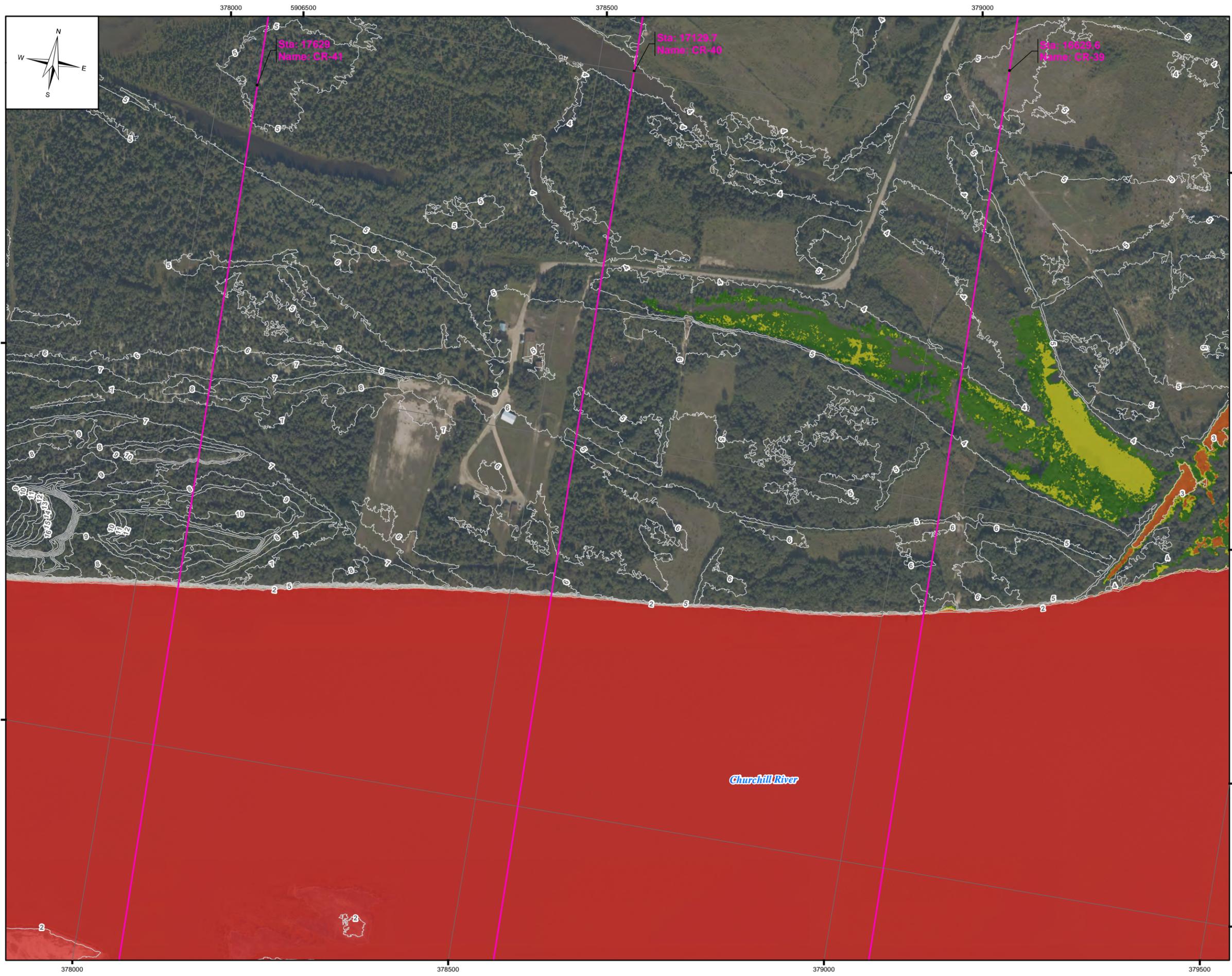
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-04

JUNE 2020	FIGURE 8.1	REV: 0
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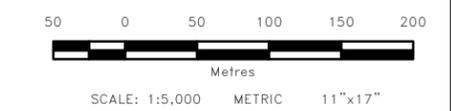


LEGEND:

- Sta: 2364.8 Name: CR-43
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

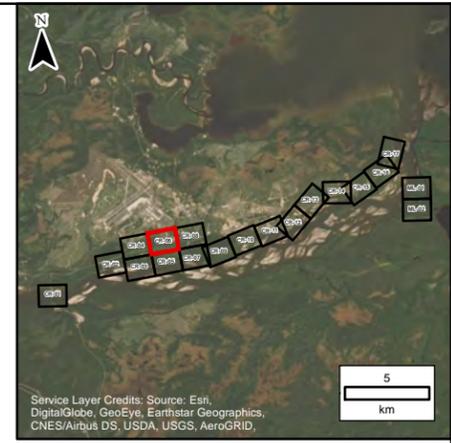
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

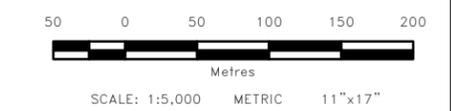
OPEN WATER 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD)
CONDITIONS - CR-05

JUNE 2020	FIGURE 8.1	REV: 0
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- LEGEND:**
- Sta: 23648 Name: CR-43
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - Low - Caution
 - Moderate - Danger for Some (Includes children, the elderly, and the infirm)
 - Significant - Danger for Most (Includes the general public)
 - Extreme - Danger for All (Includes the emergency services)

- 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).

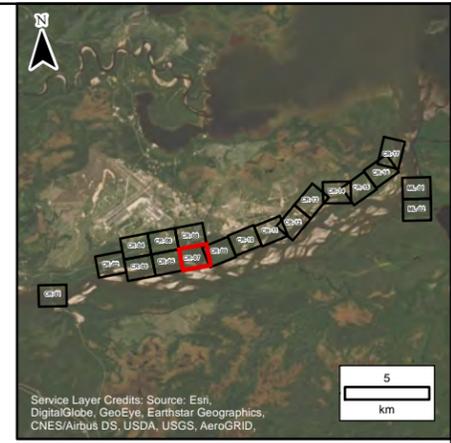
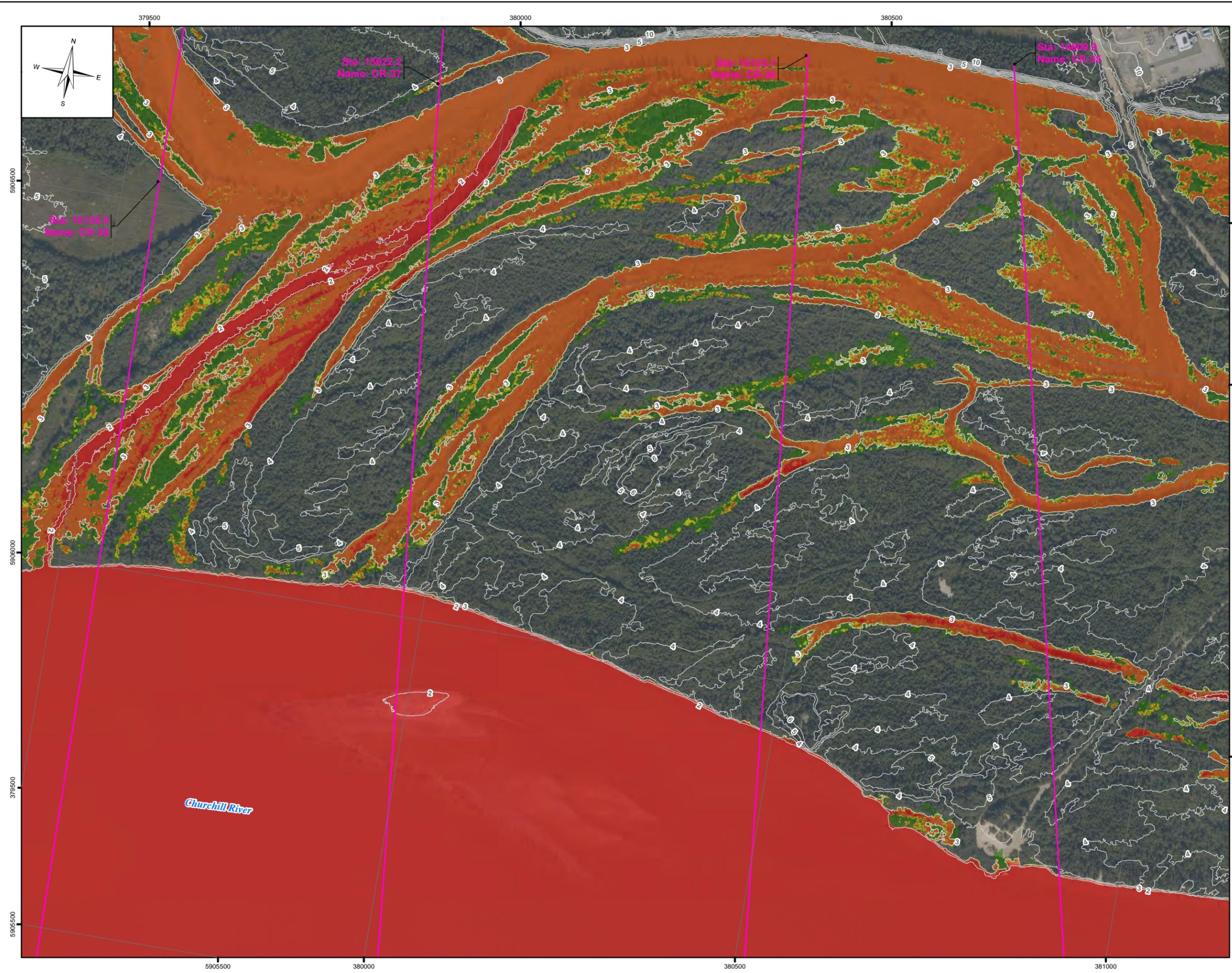
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-06

JUNE 2020	FIGURE 8.1	REV: 0
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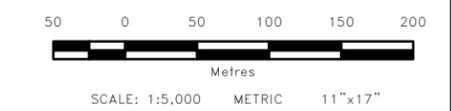


LEGEND:

- Sta: 23648 Name: CR-53
Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

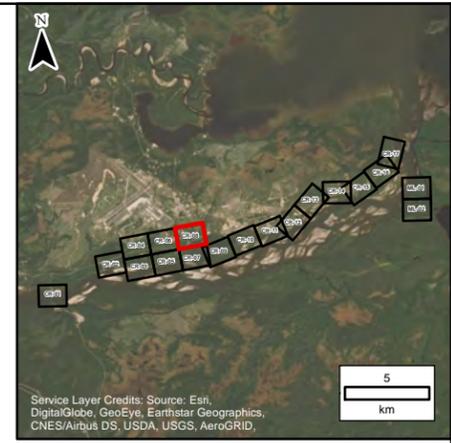
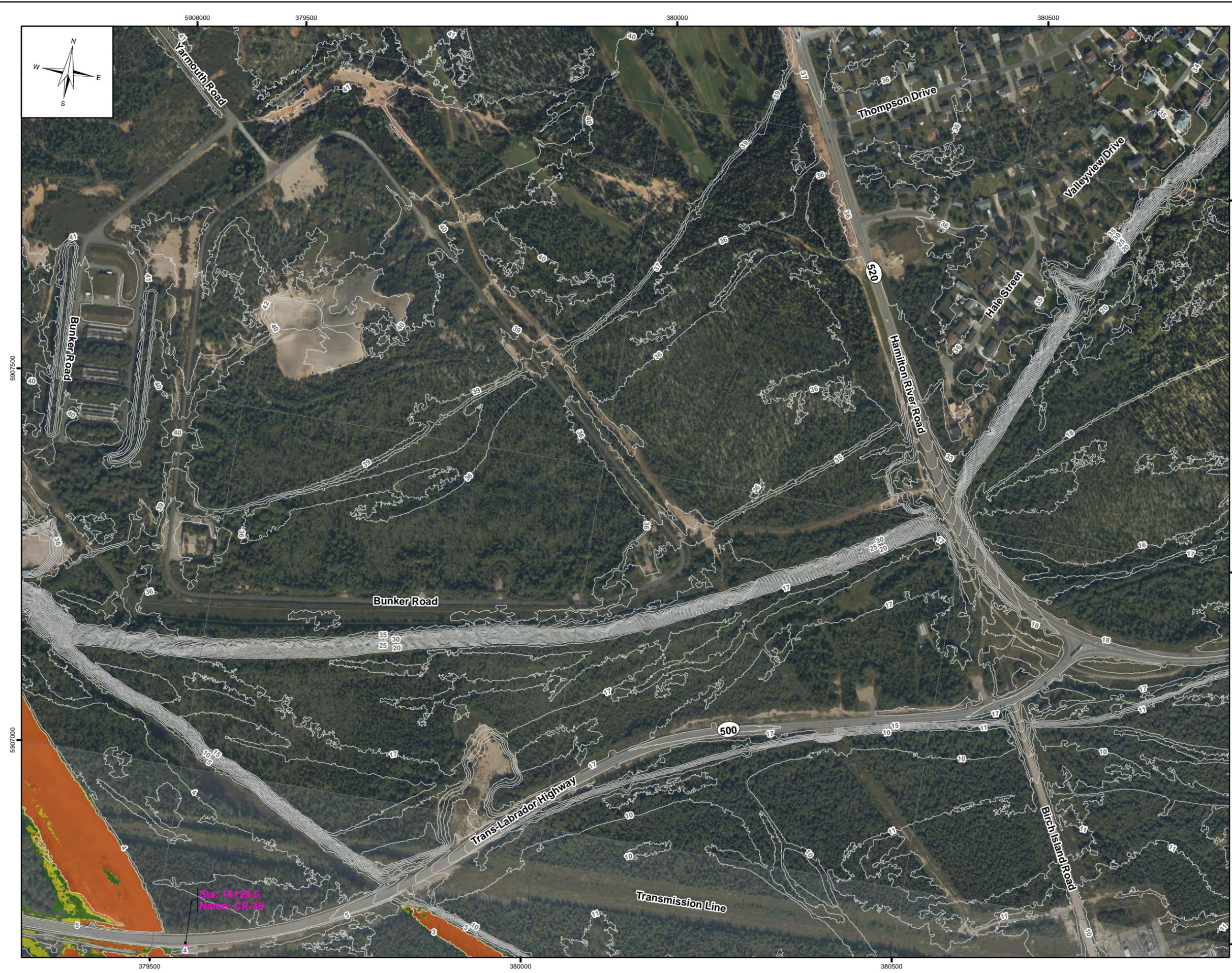
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-07

JUNE 2020	FIGURE 8.1	REV: 0
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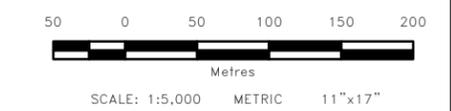


LEGEND:

- Sta: 23648 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

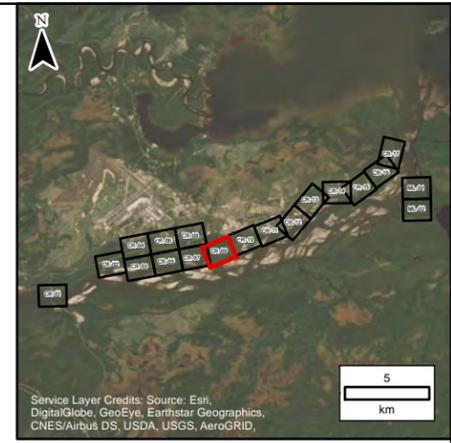
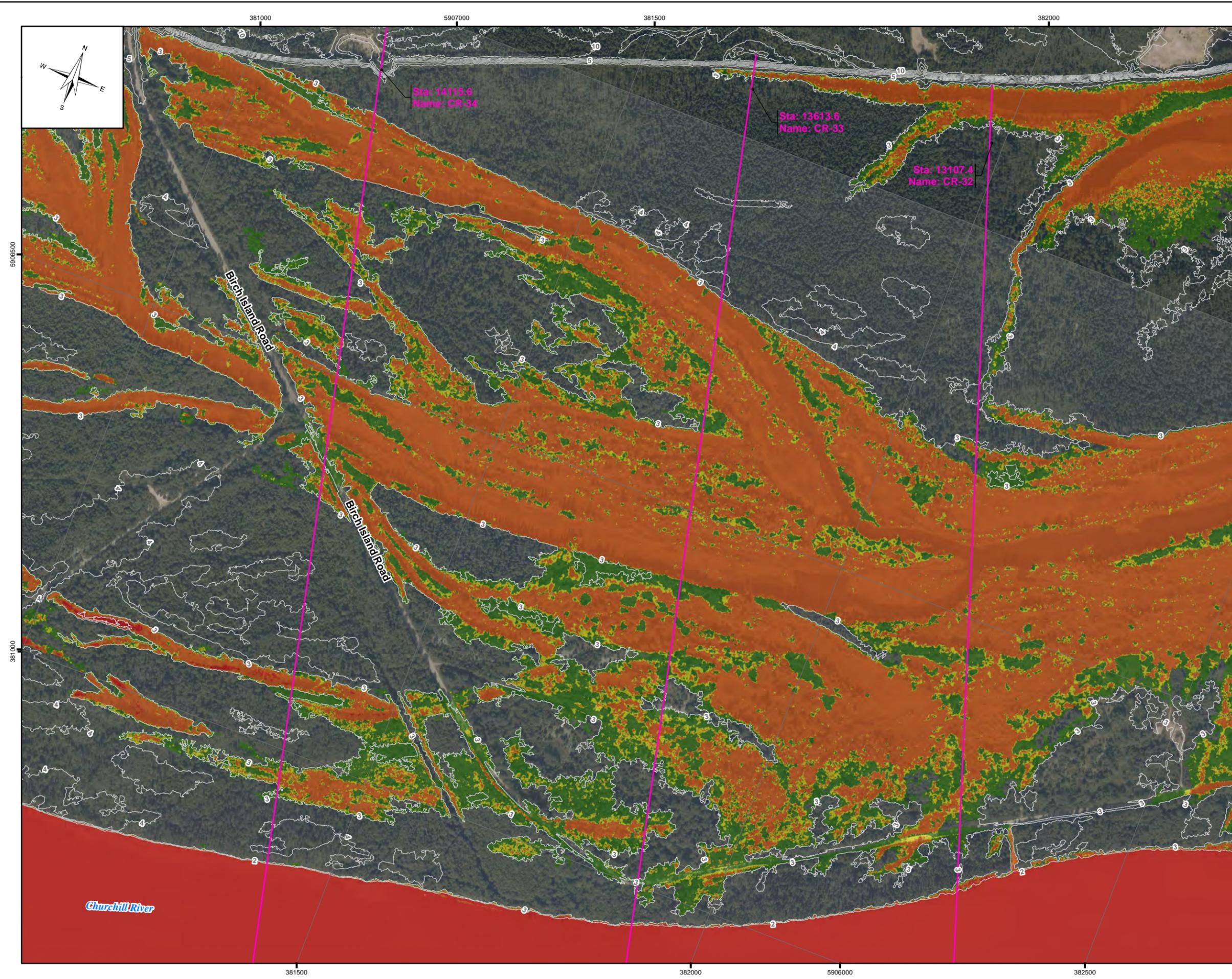
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

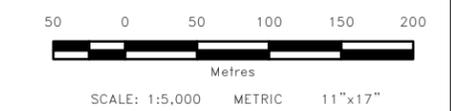
OPEN WATER 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-08

JUNE 2020	FIGURE 8.1	REV: 0
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- LEGEND:**
- Sta: 23648 Name: CR-33
Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - Low - Caution
 - Moderate - Danger for Some (Includes children, the elderly, and the infirm)
 - Significant - Danger for Most (Includes the general public)
 - Extreme - Danger for All (Includes the emergency services)

- 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).

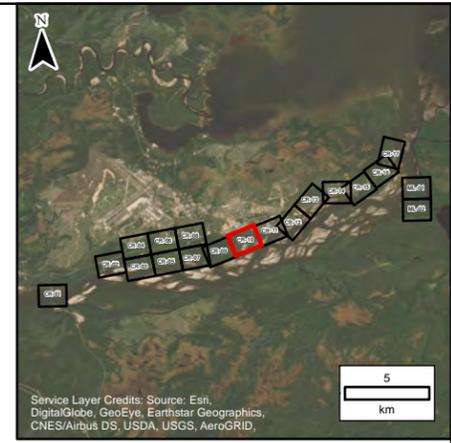
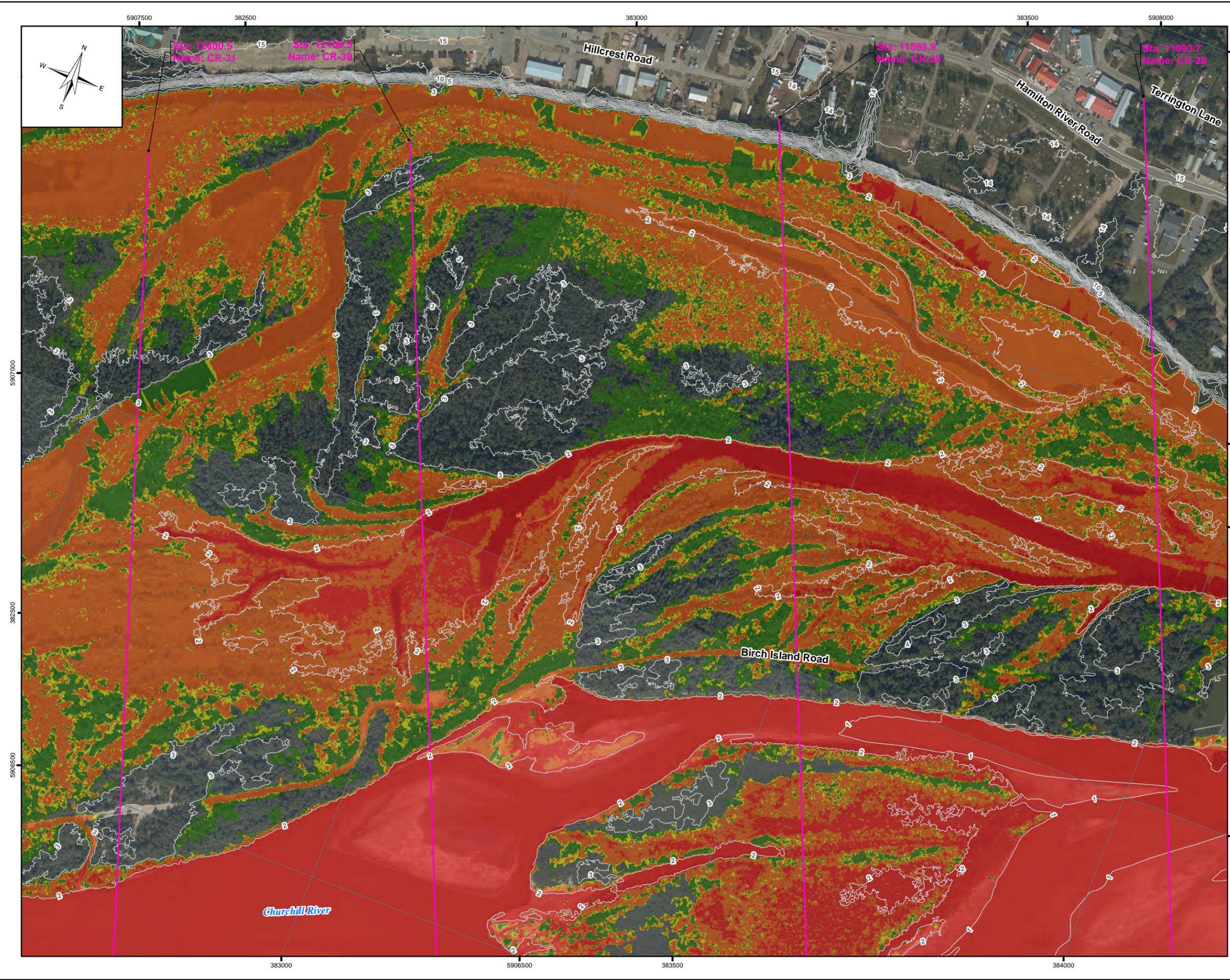
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING		
OPEN WATER 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-09		
JUNE 2020	FIGURE 8.1	REV: 0

File Name: P:\Projects\2018\18-3217-001\Draw\GIS\MXD\Flood_Mapping\18-3217-001_Fig8.1_11x17.mxd
 11"x17" PLOT SCALE 1:1

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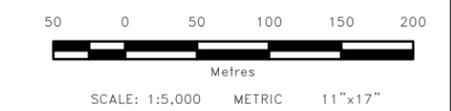


LEGEND:

- Sta: 2364.8 Name: CR-53 (Cross Section)
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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

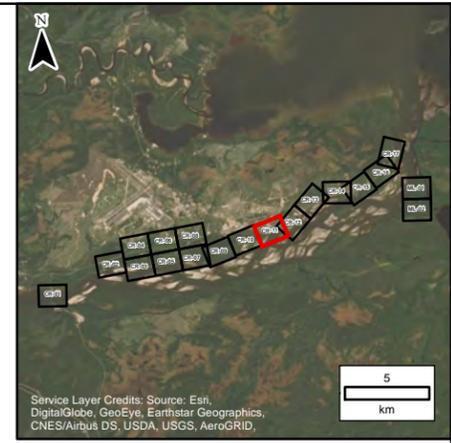
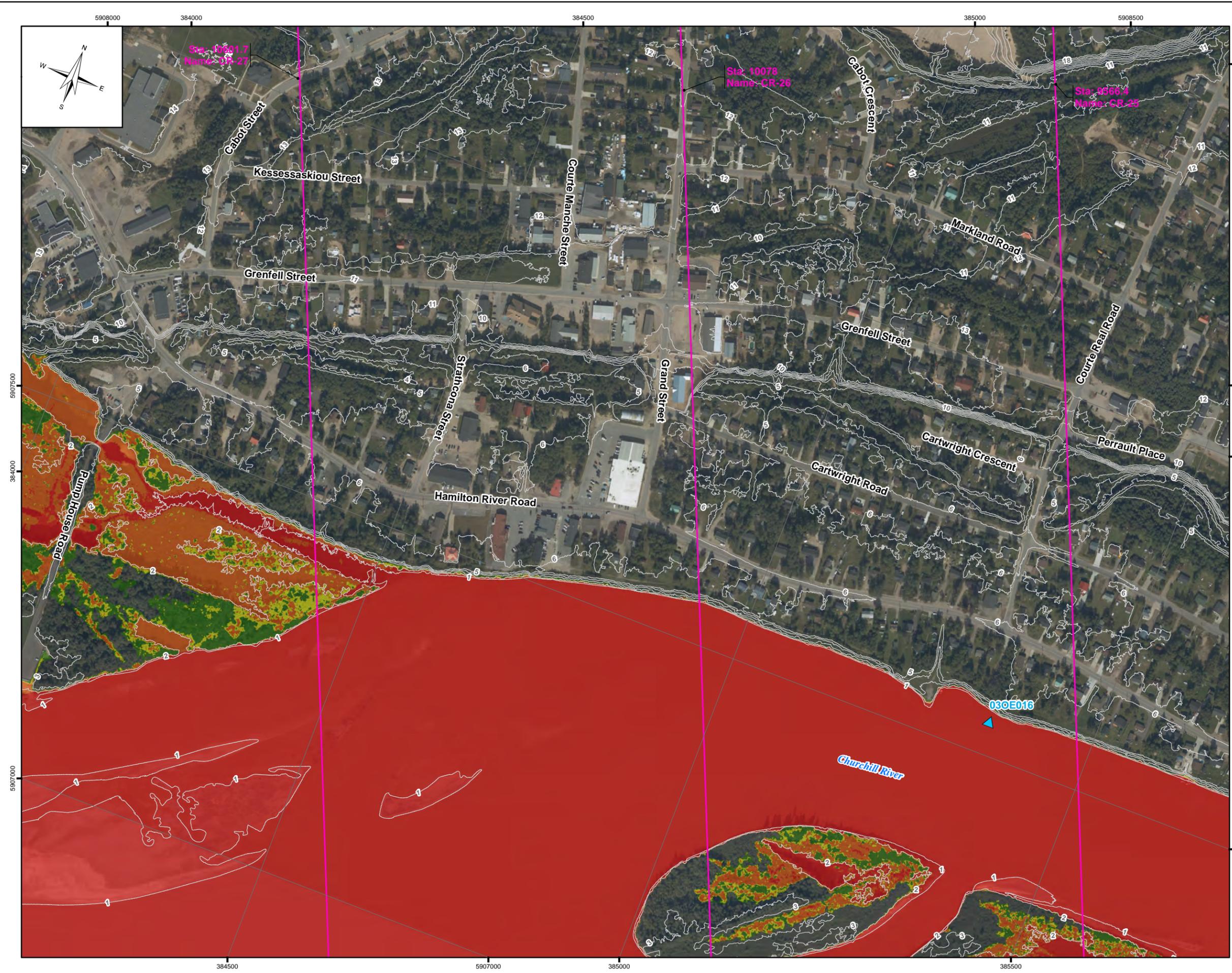
REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-10

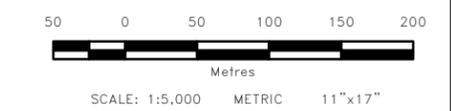
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File Name: P:\Projects\2018\18-3217-001\Dwg\MXD\Flood_Mapping\18-3217-001_Fig8.1_11x17.mxd
 11"x17" PLOT SCALE 1:1



- LEGEND:**
- Sta. 2364.8 Name: CR-53
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - Low - Caution
 - Moderate - Danger for Some (Includes children, the elderly, and the infirm)
 - Significant - Danger for Most (Includes the general public)
 - Extreme - Danger for All (Includes the emergency services)

- 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

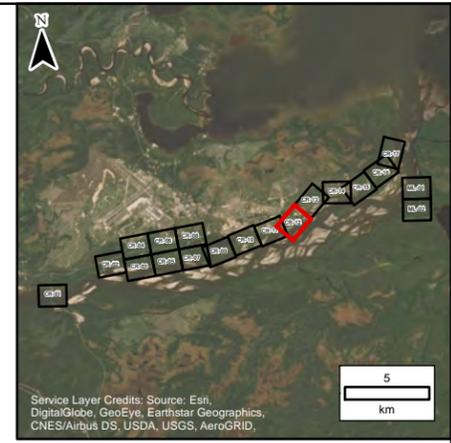
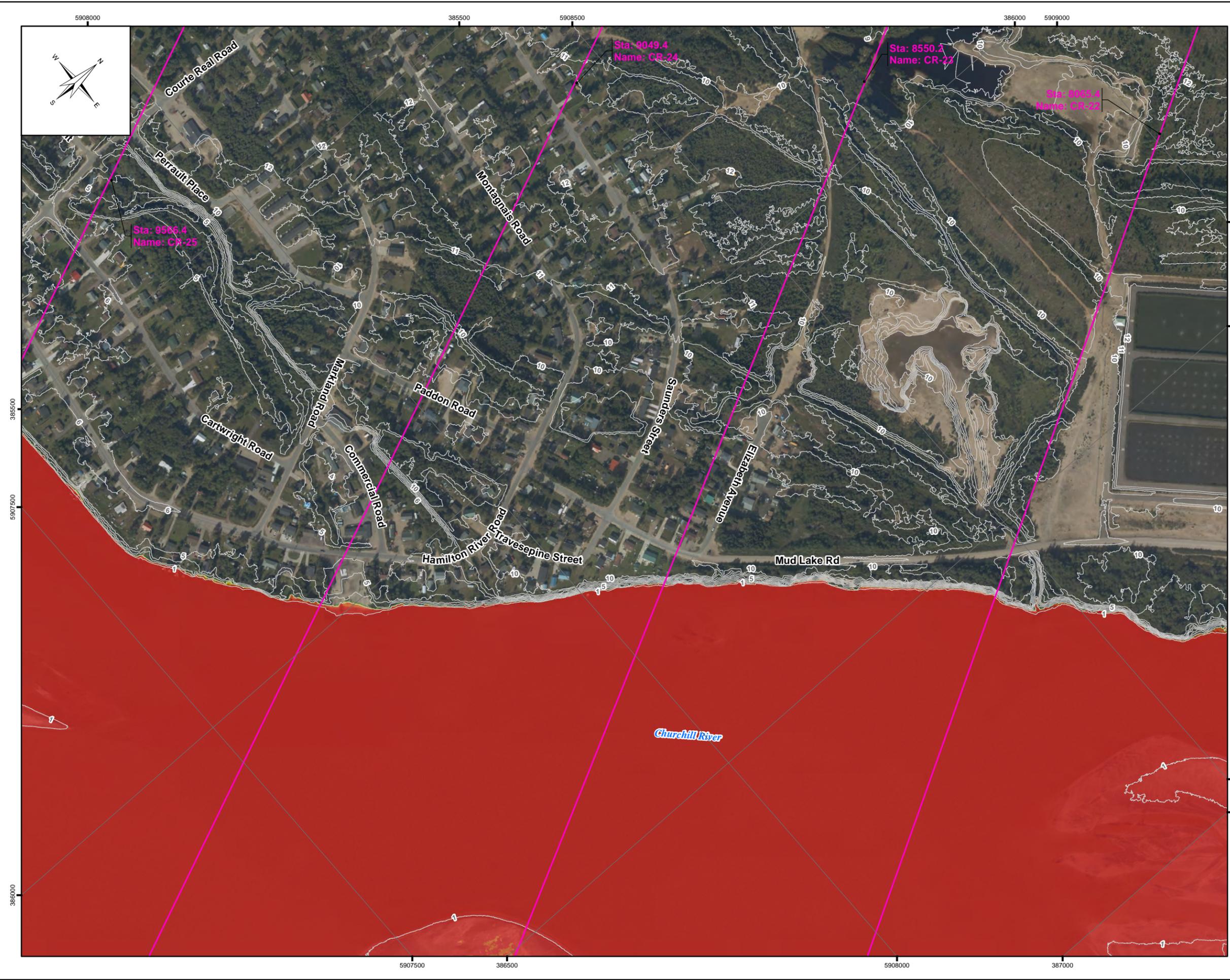
CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-11

JUNE 2020	FIGURE 8.1	REV: 0
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 11"x17" PLOT SCALE 1:1

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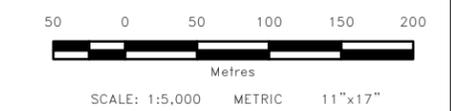


LEGEND:

- Sta: 2364.8 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

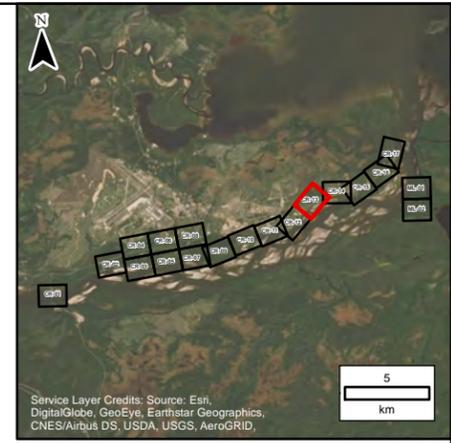
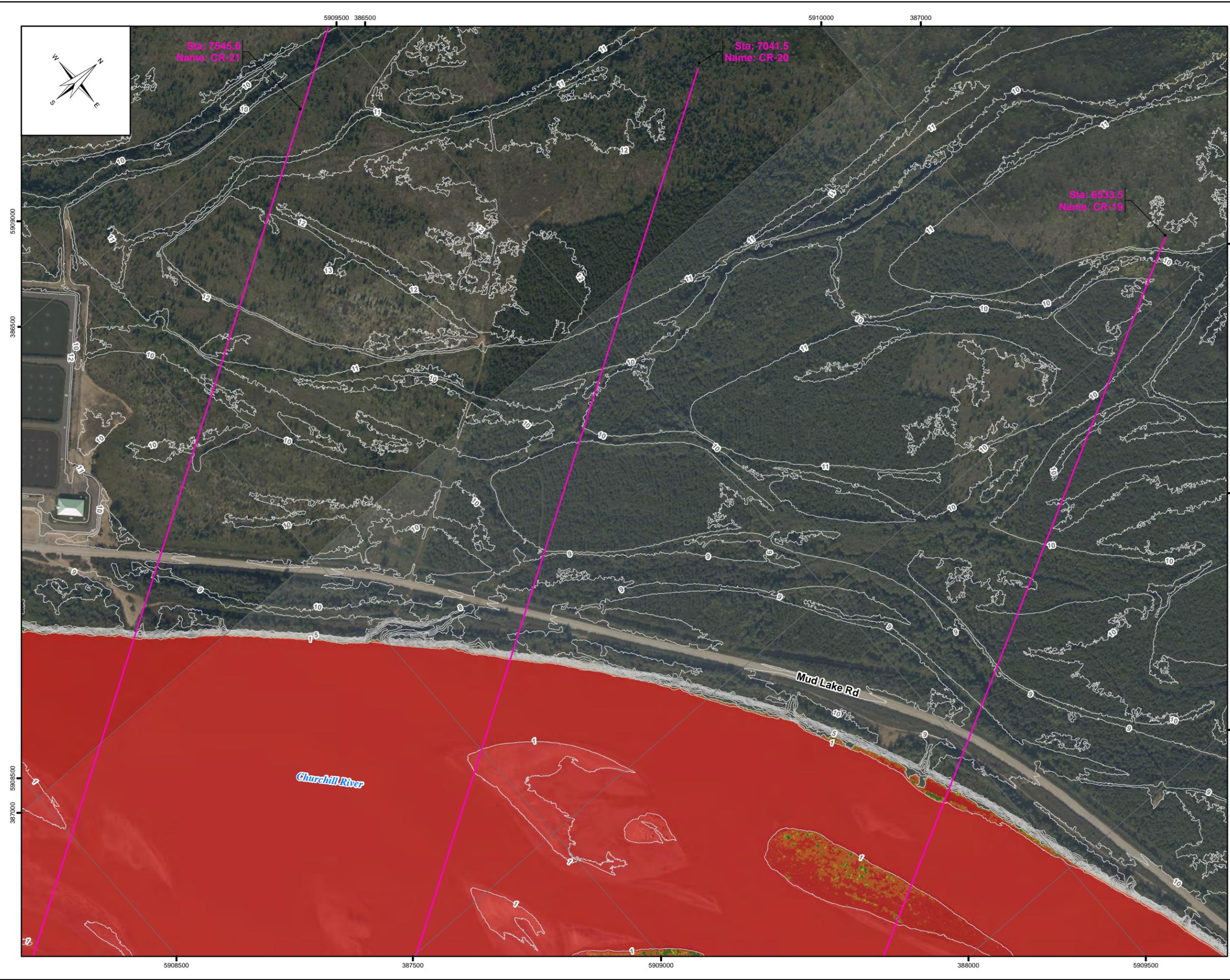
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-12

JUNE 2020	FIGURE 8.1	REV: 0
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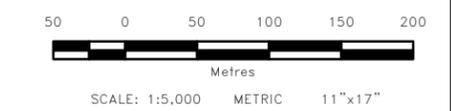


LEGEND:

- Sta: 2364.8 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

NOTES:

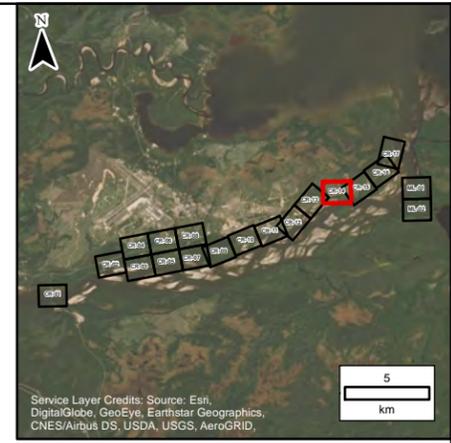
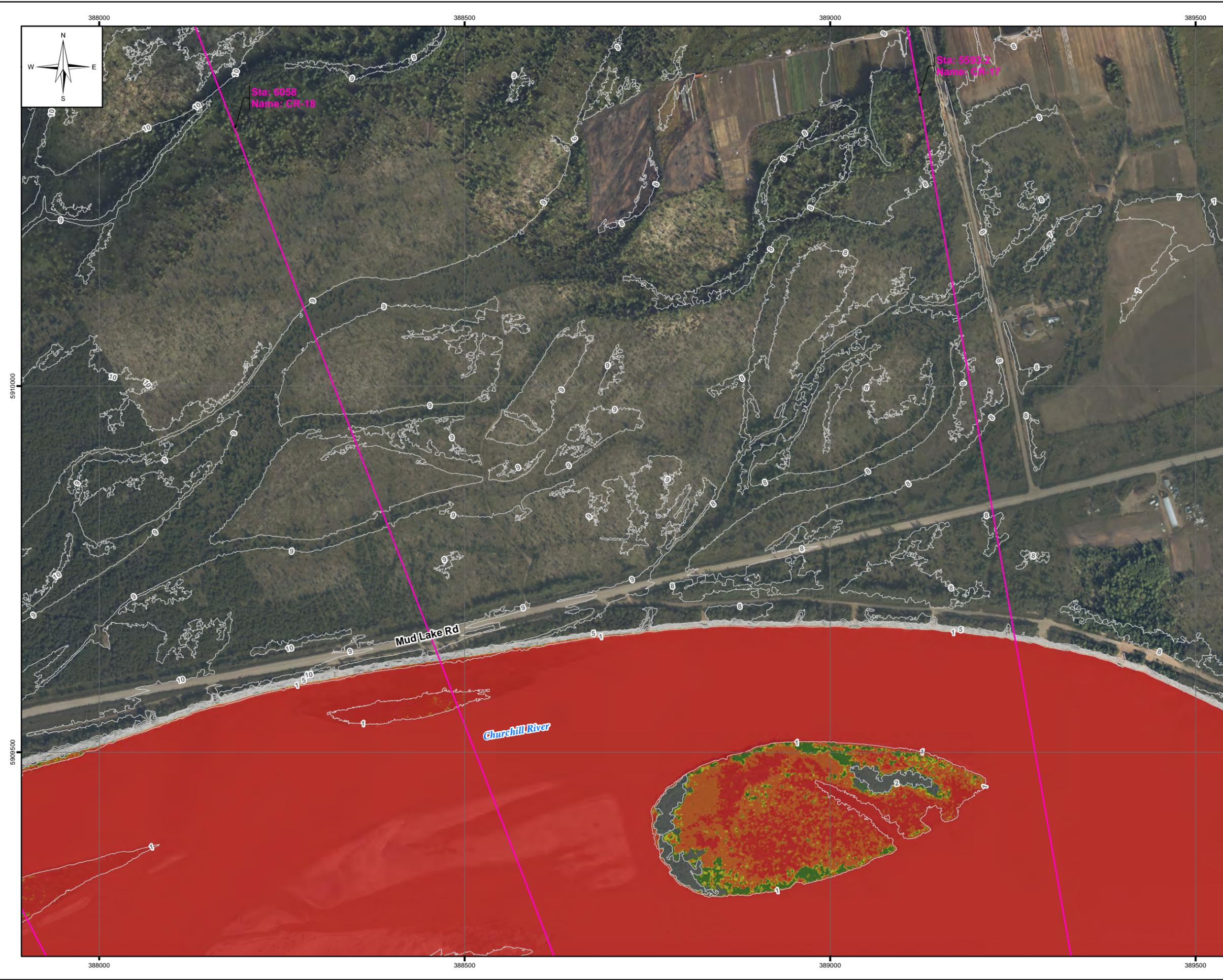
1. Imagery is supplied by ATLAS Geomatics and dated as September 11 - 13, 2019.
2. Topography shown was developed by KGS Group from the LIDAR captured by ATLAS Geomatics on September 11 - 13, 2019.



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

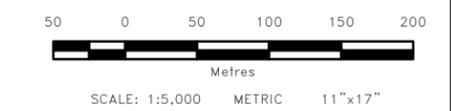


LEGEND:

- Sta: 2364 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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.

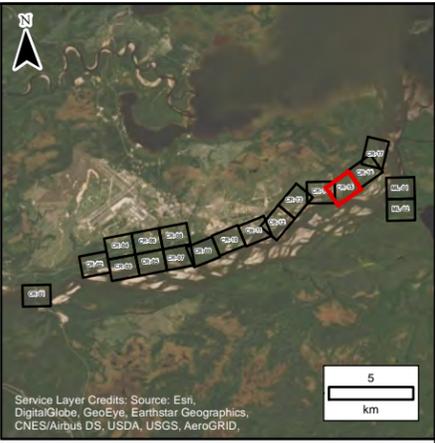
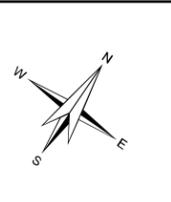
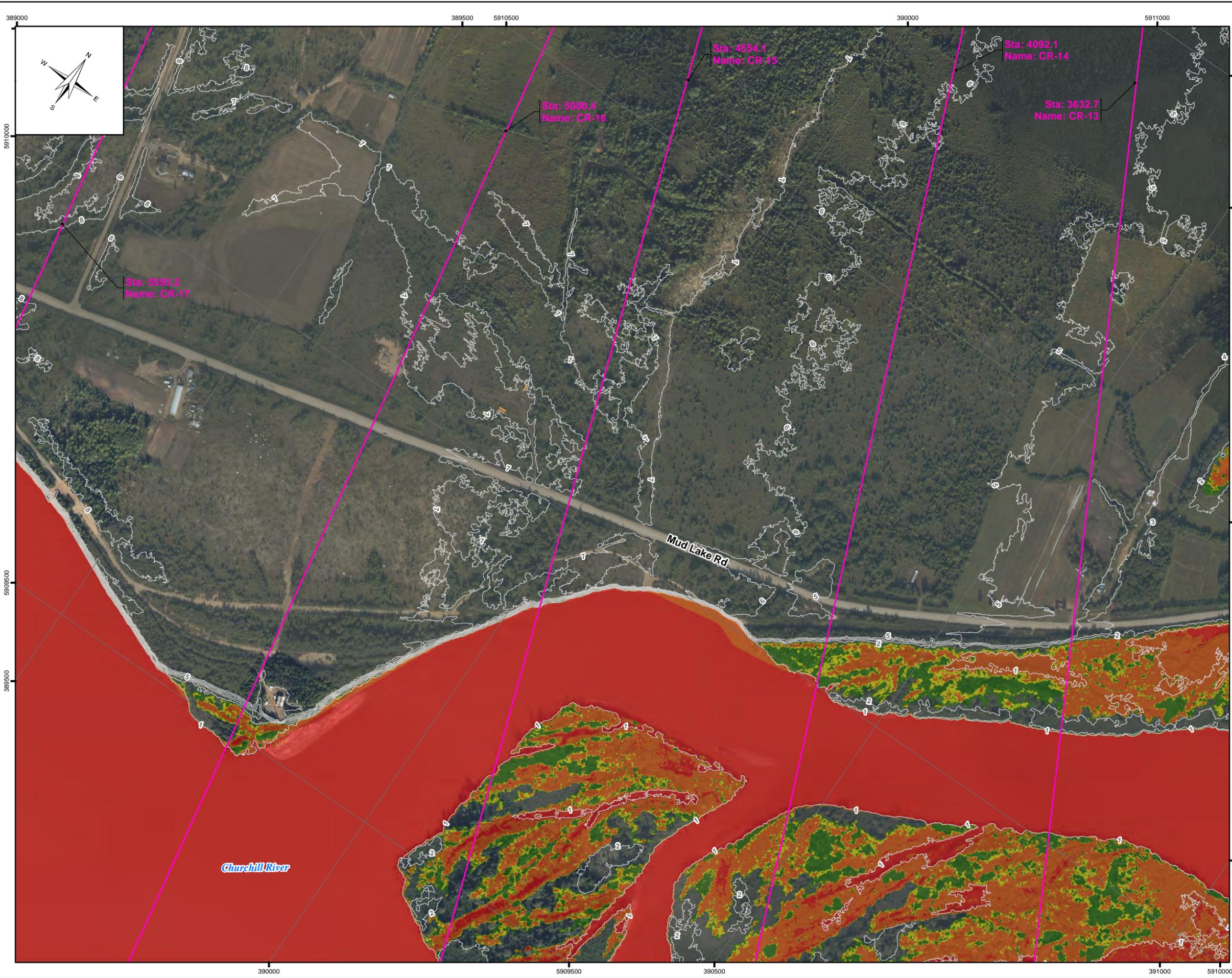


All units are metric and in metres unless otherwise specified. Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-14		
JUNE 2020	FIGURE 8.1	REV: 0

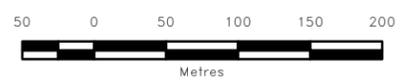


LEGEND:

- Sta: 2364.8 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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.



SCALE: 1:5,000 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).

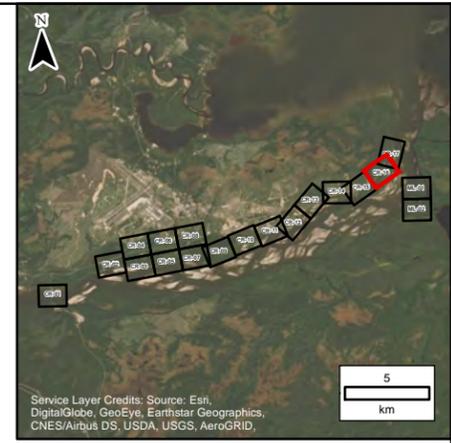
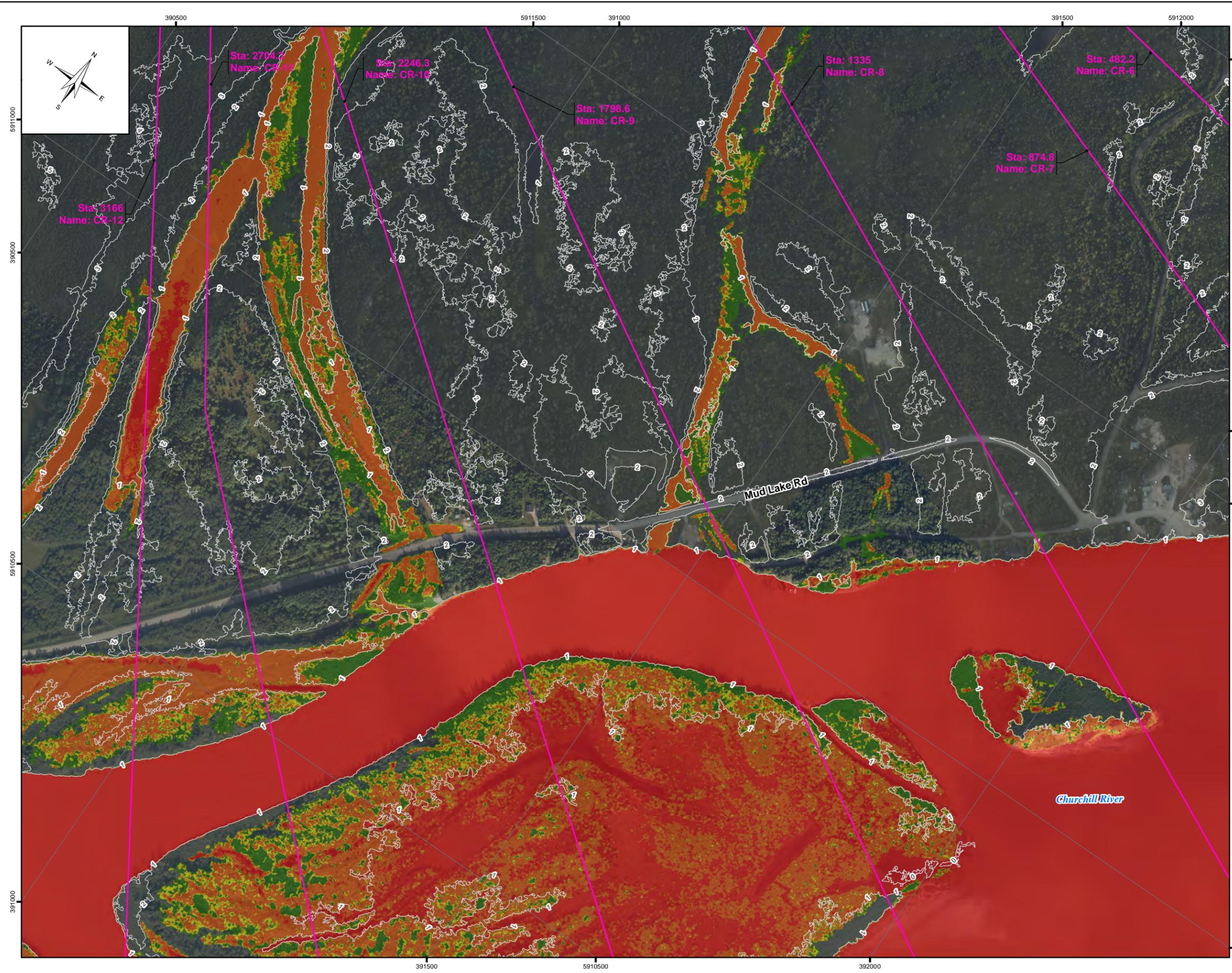
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-15

JUNE 2020	FIGURE 8.1	REV: 0
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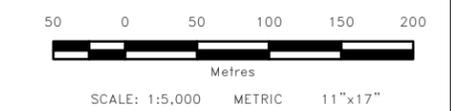


LEGEND:

- Sta: 2364.8 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

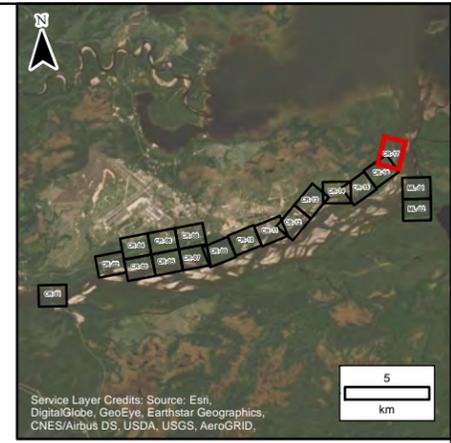
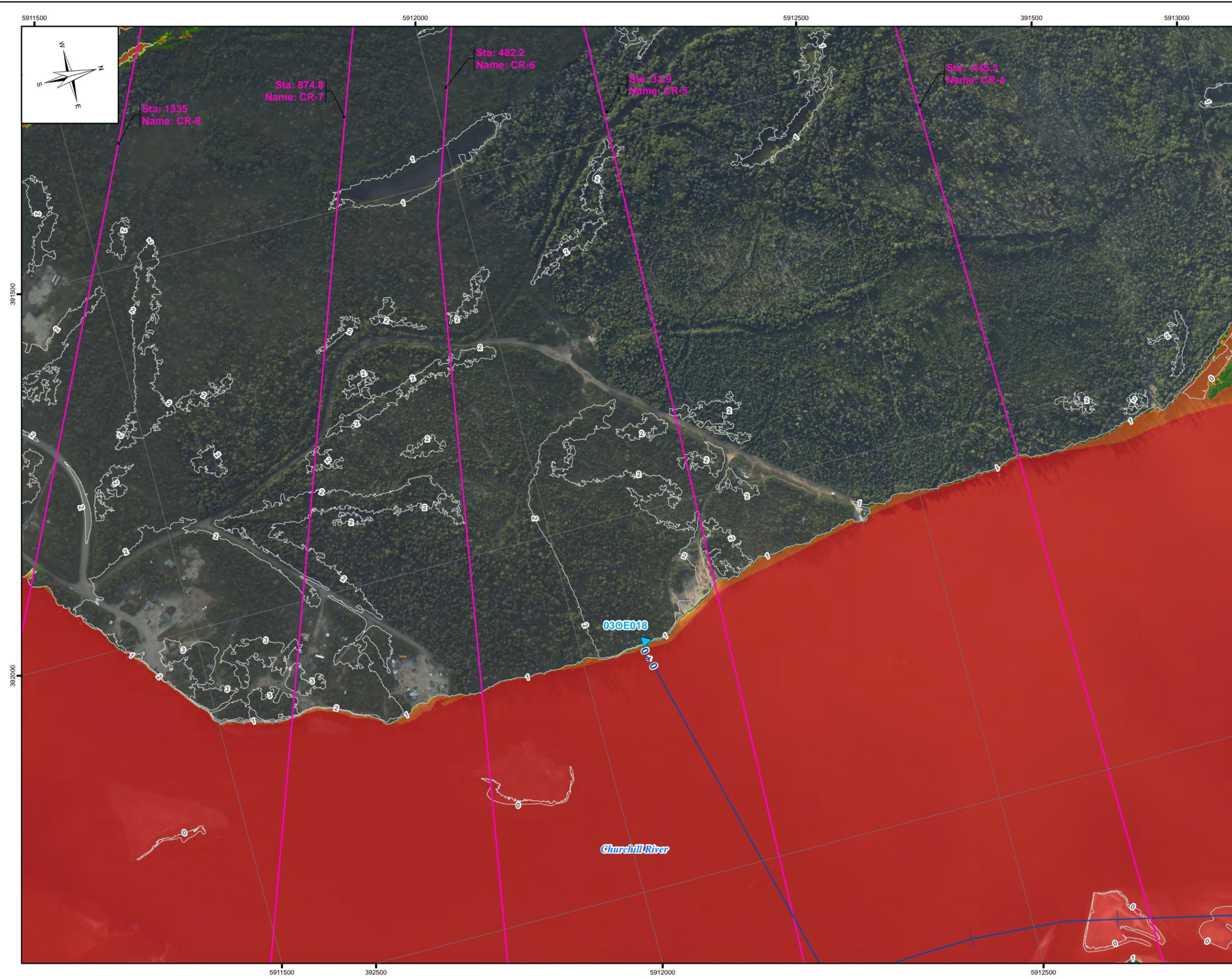
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-16

JUNE 2020	FIGURE 8.1	REV: 0
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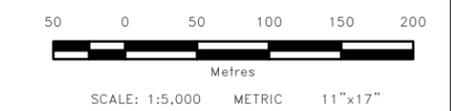


LEGEND:

- Sta: 2364.8 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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.

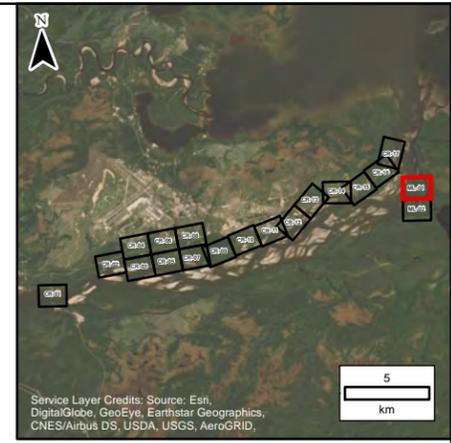
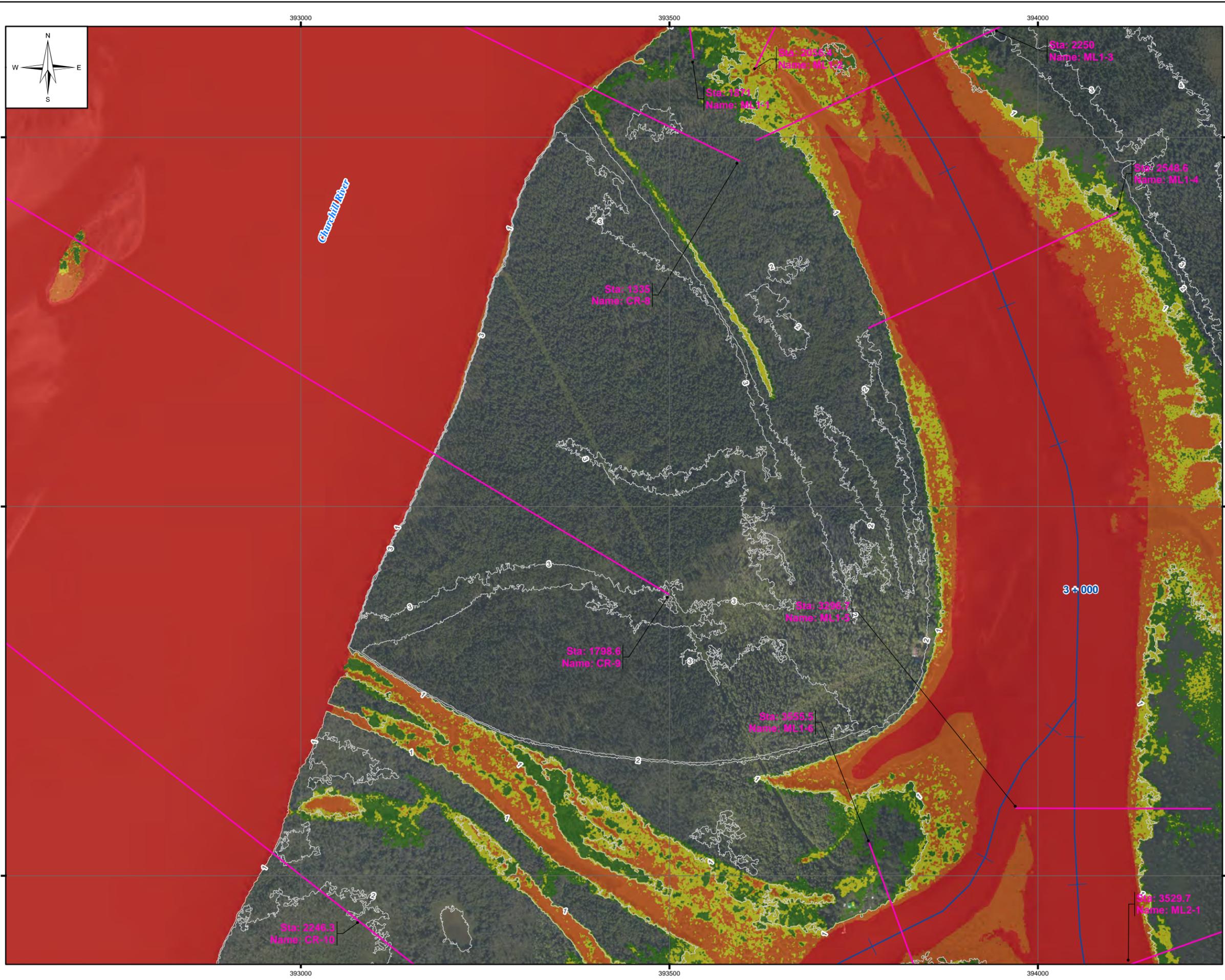


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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

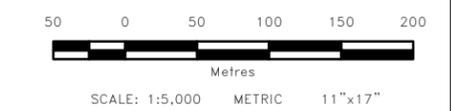
REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING		
OPEN WATER 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-17		
JUNE 2020	FIGURE 8.1	REV: 0



- LEGEND:**
- Sta: 2084.4 Name: CR-8
Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - Low - Caution
 - Moderate - Danger for Some (Includes children, the elderly, and the infirm)
 - Significant - Danger for Most (Includes the general public)
 - Extreme - Danger for All (Includes the emergency services)

- 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).

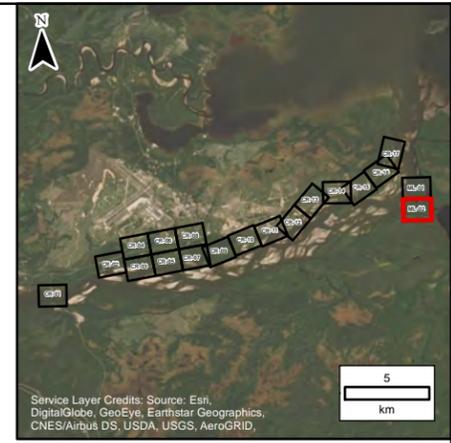
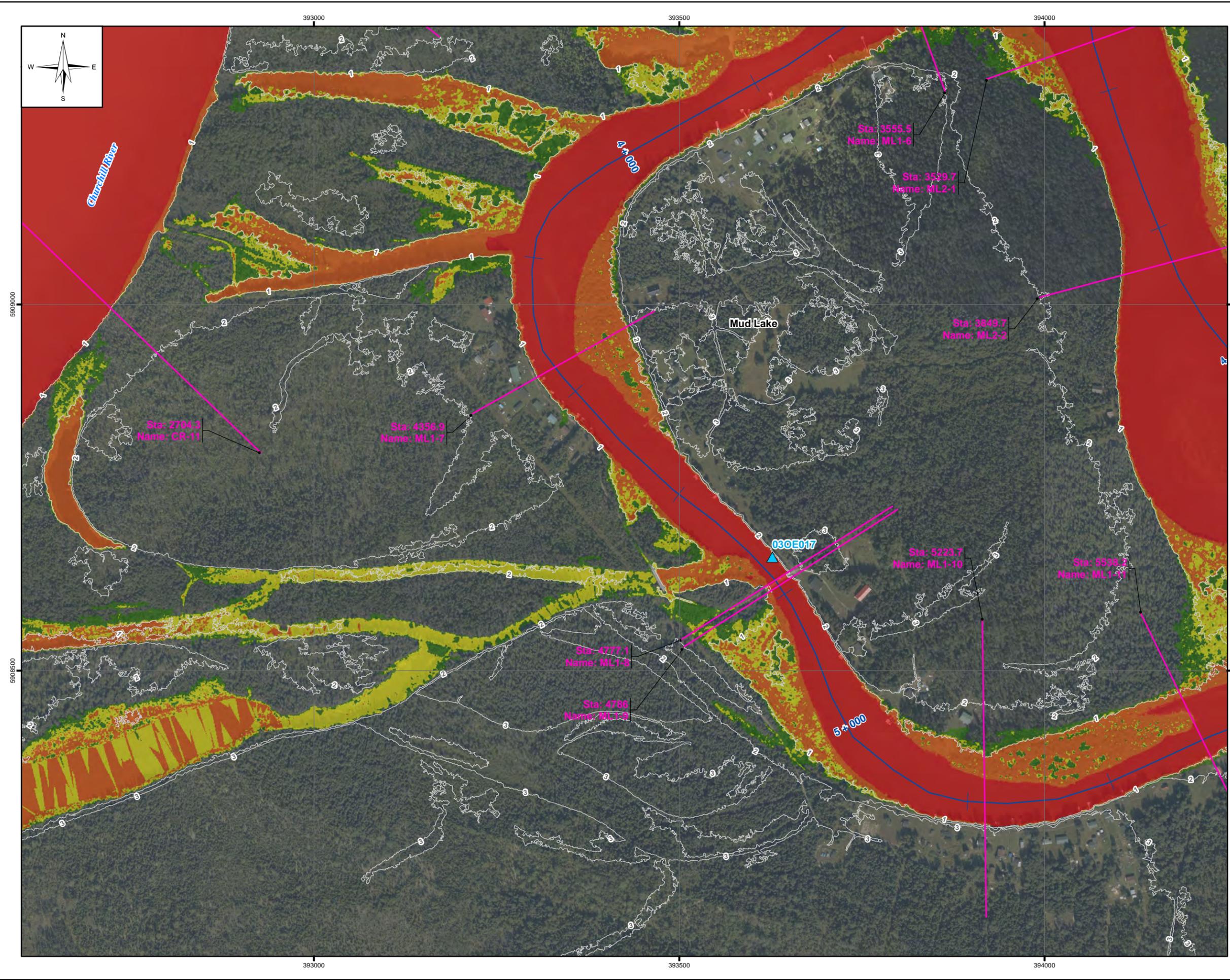
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - ML-01

JUNE 2020	FIGURE 8.1	REV: 0
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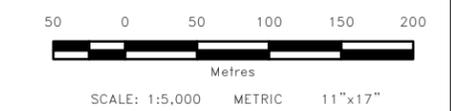


LEGEND:

- Sta: 2364.8 Name: CR-53
Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

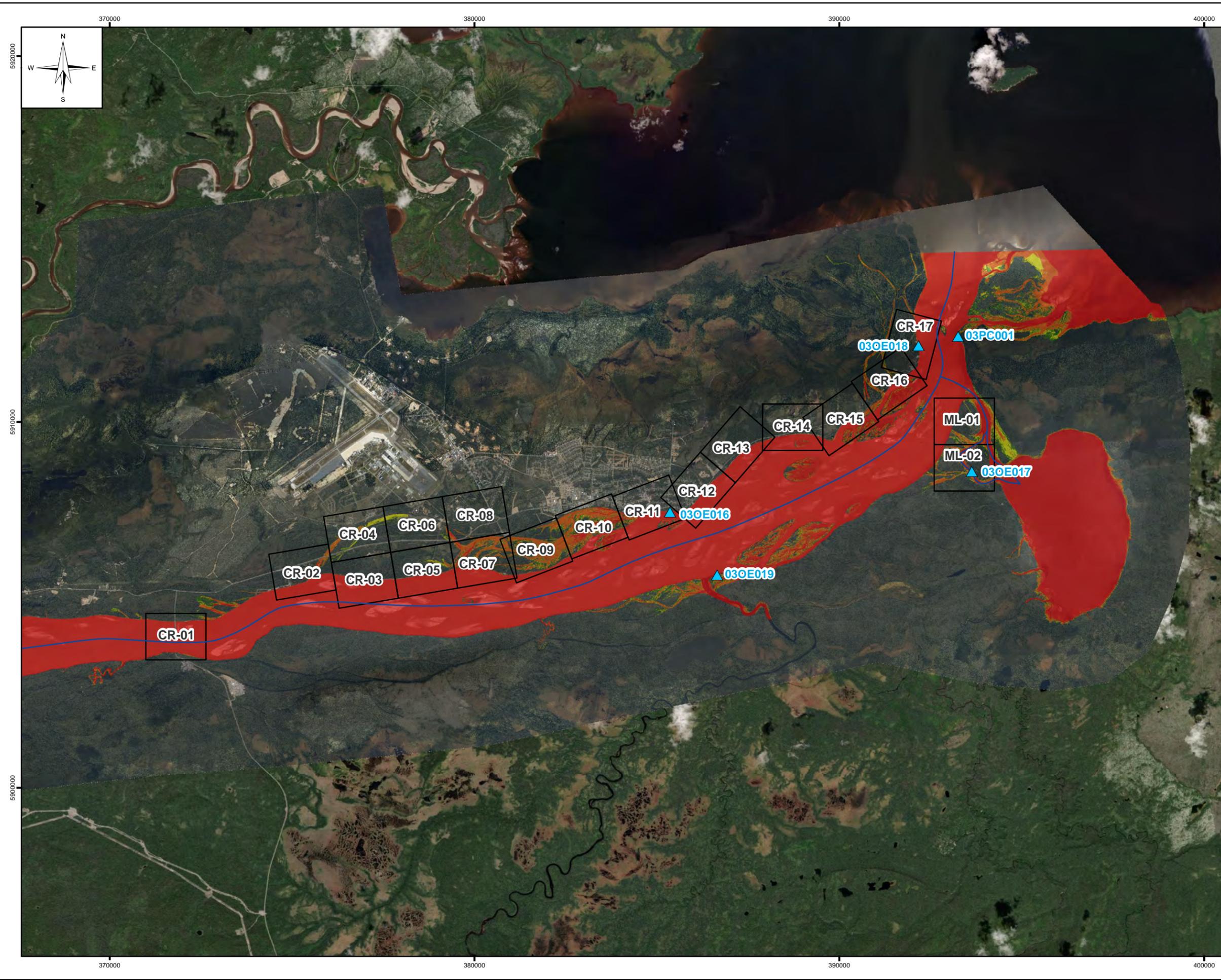
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

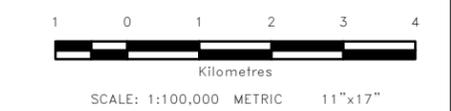
OPEN WATER 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - ML-02

JUNE 2020	FIGURE 8.1	REV: 0
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- LEGEND:**
- Water Survey of Canada Gauge Location
 - River Centreline
 - Low - Caution
 - Moderate - Danger for Some (Includes children, the elderly, and the infirm)
 - Significant - Danger for Most (Includes the general public)
 - Extreme - Danger for All (Includes the emergency services)
 - 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.

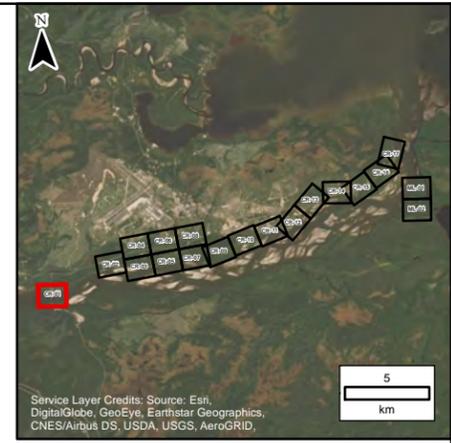
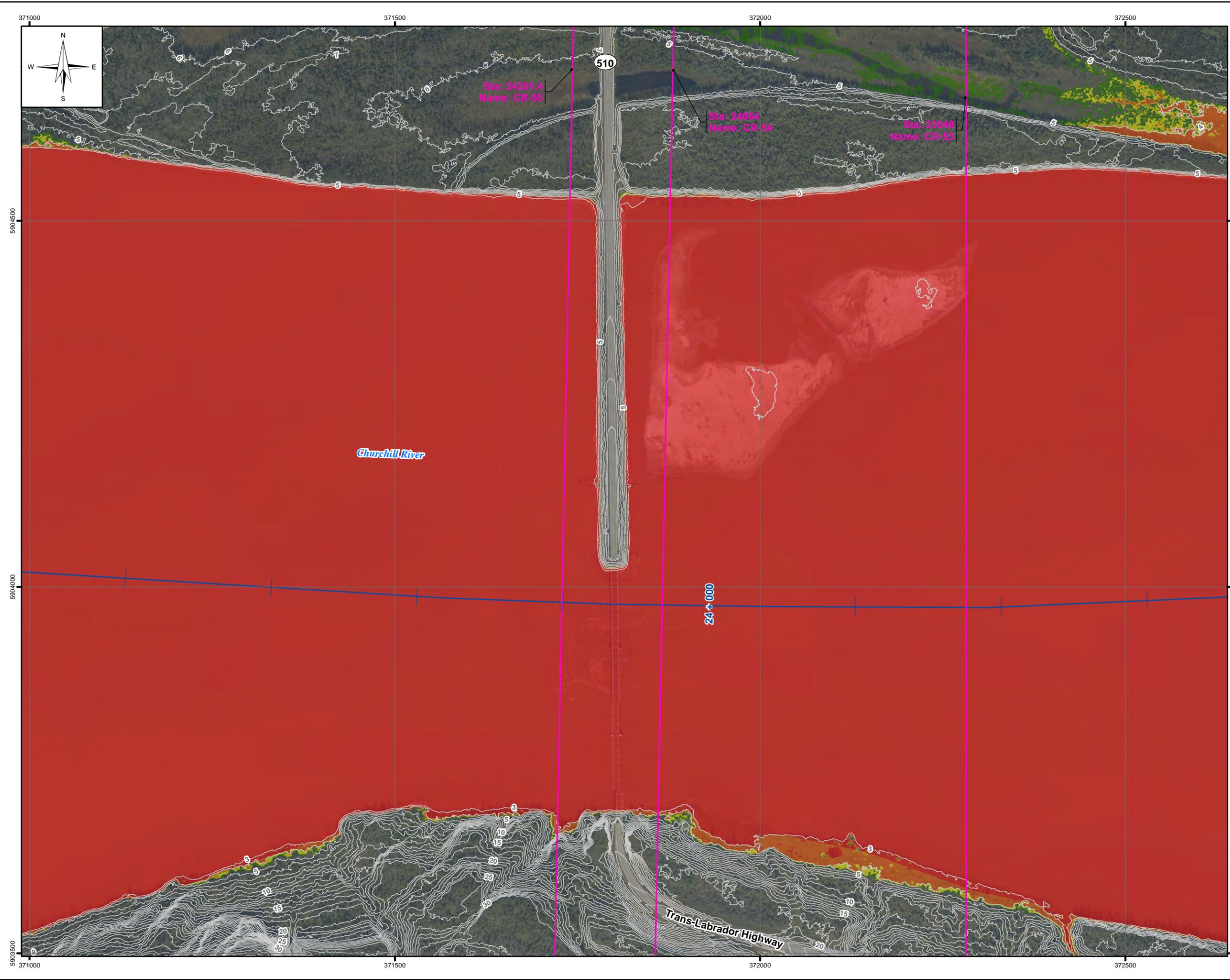


All units are metric and in metres unless otherwise specified.
 Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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

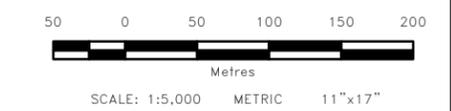
REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING		
OPEN WATER 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - OVERVIEW MAP		
JUNE 2020	FIGURE 8.2	REV: 0



- LEGEND:**
- Sta: 23648 Name: CR-53
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - Low - Caution
 - Moderate - Danger for Some (Includes children, the elderly, and the infirm)
 - Significant - Danger for Most (Includes the general public)
 - Extreme - Danger for All (Includes the emergency services)

- 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.



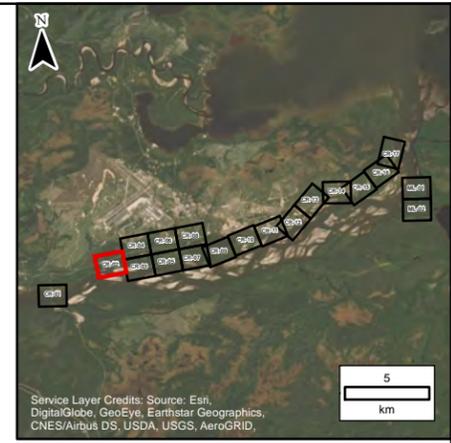
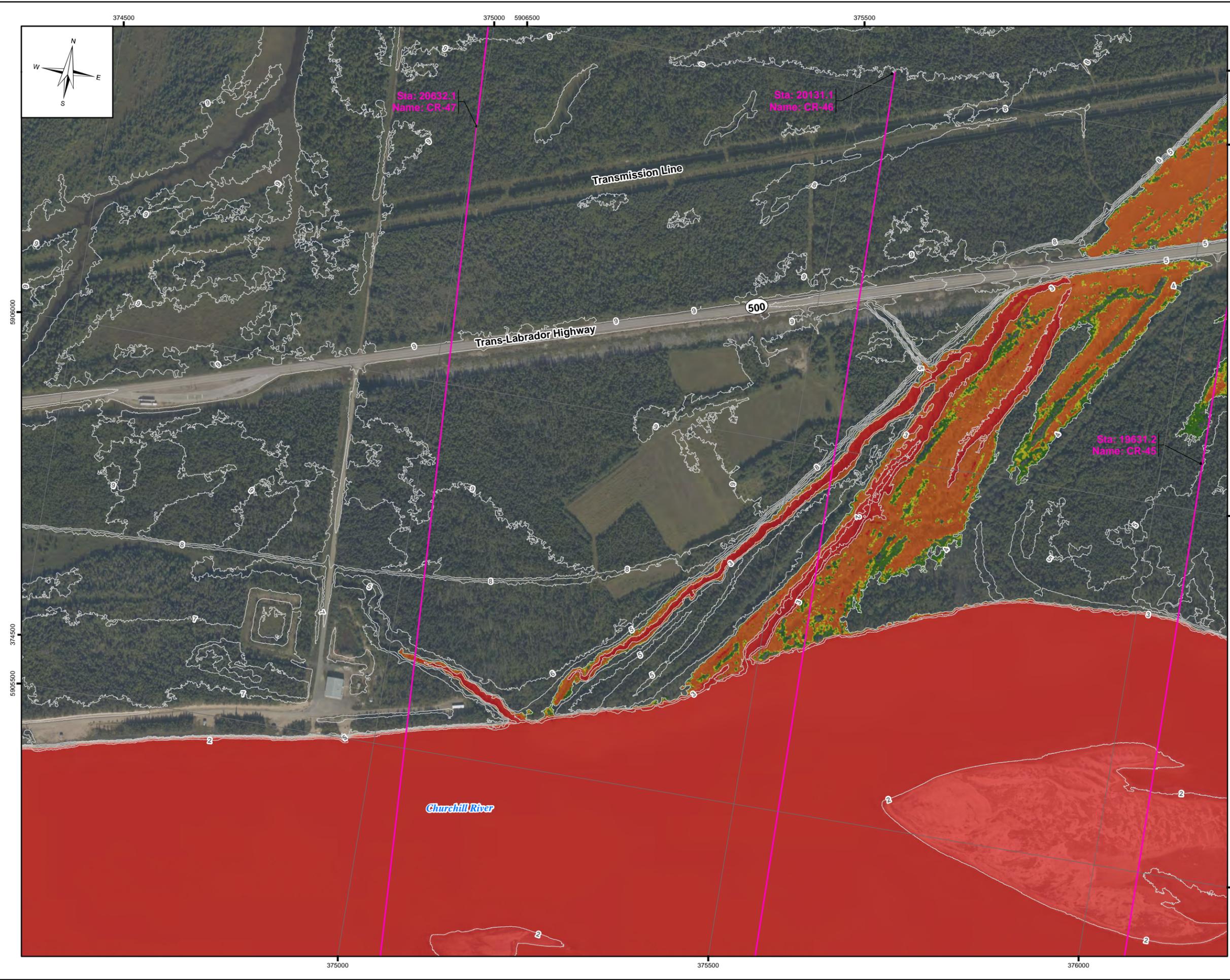
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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

OPEN WATER 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-01

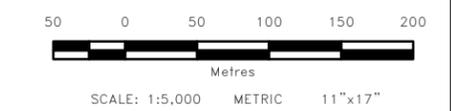


LEGEND:

- Sta: 20632.1 Name: CR-47
- Sta: 20131.1 Name: CR-46
- Sta: 19631.2 Name: CR-45
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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.

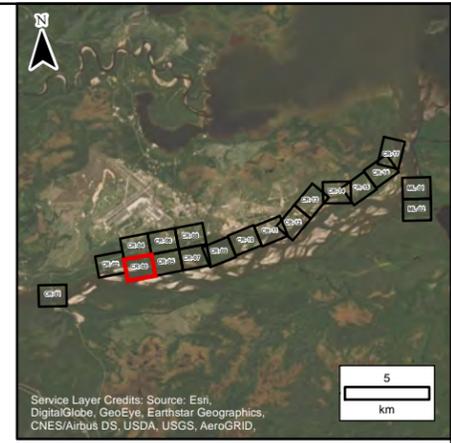
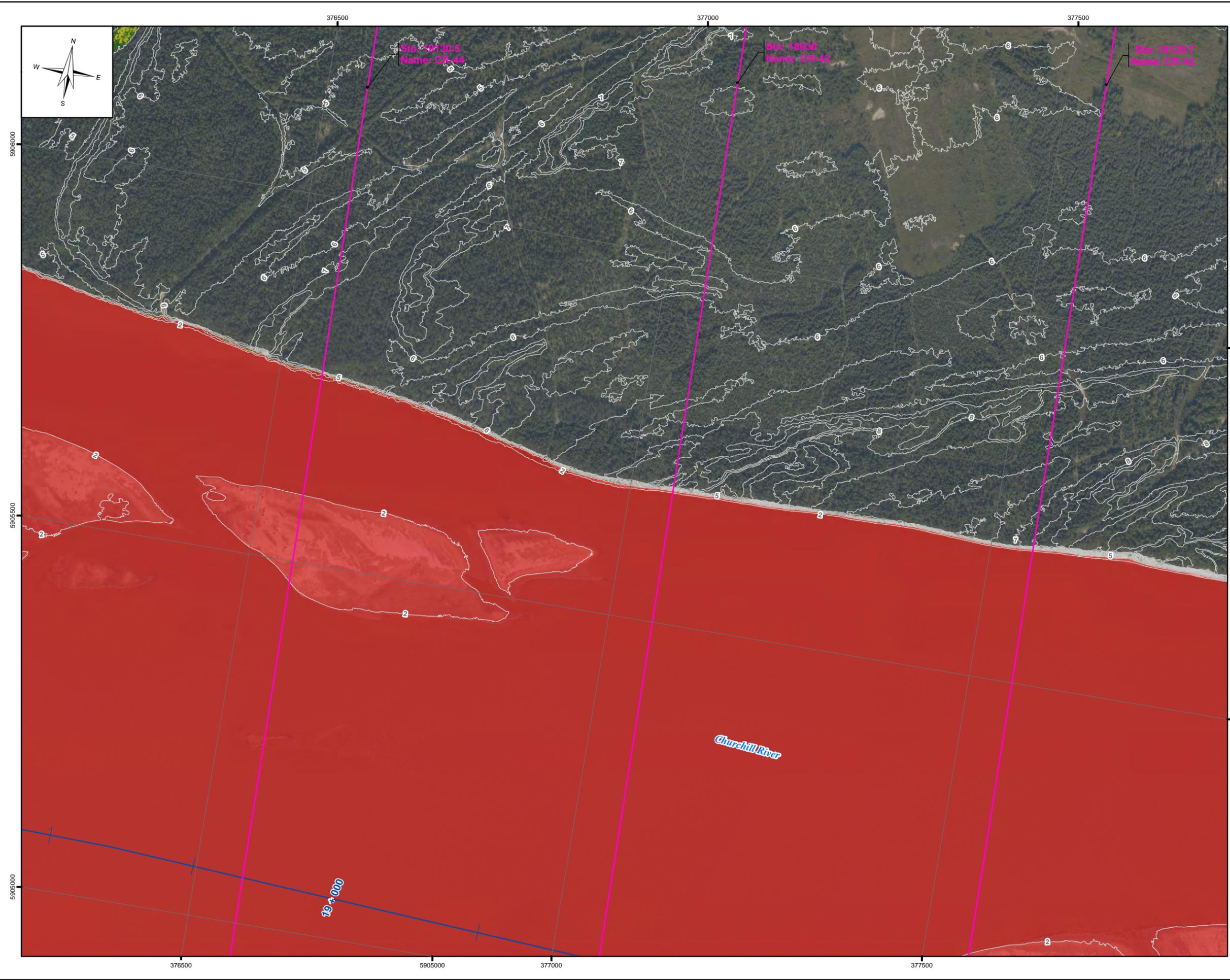


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-02	
JUNE 2020	FIGURE 8.2
	REV: 0

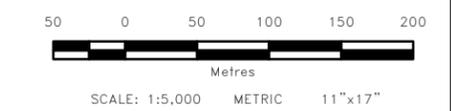


LEGEND:

- Sta: 23648 Name: CR-43
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

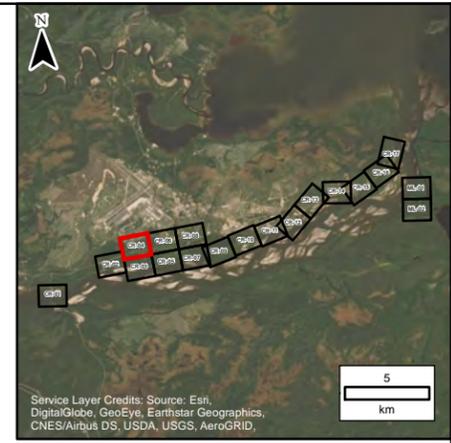
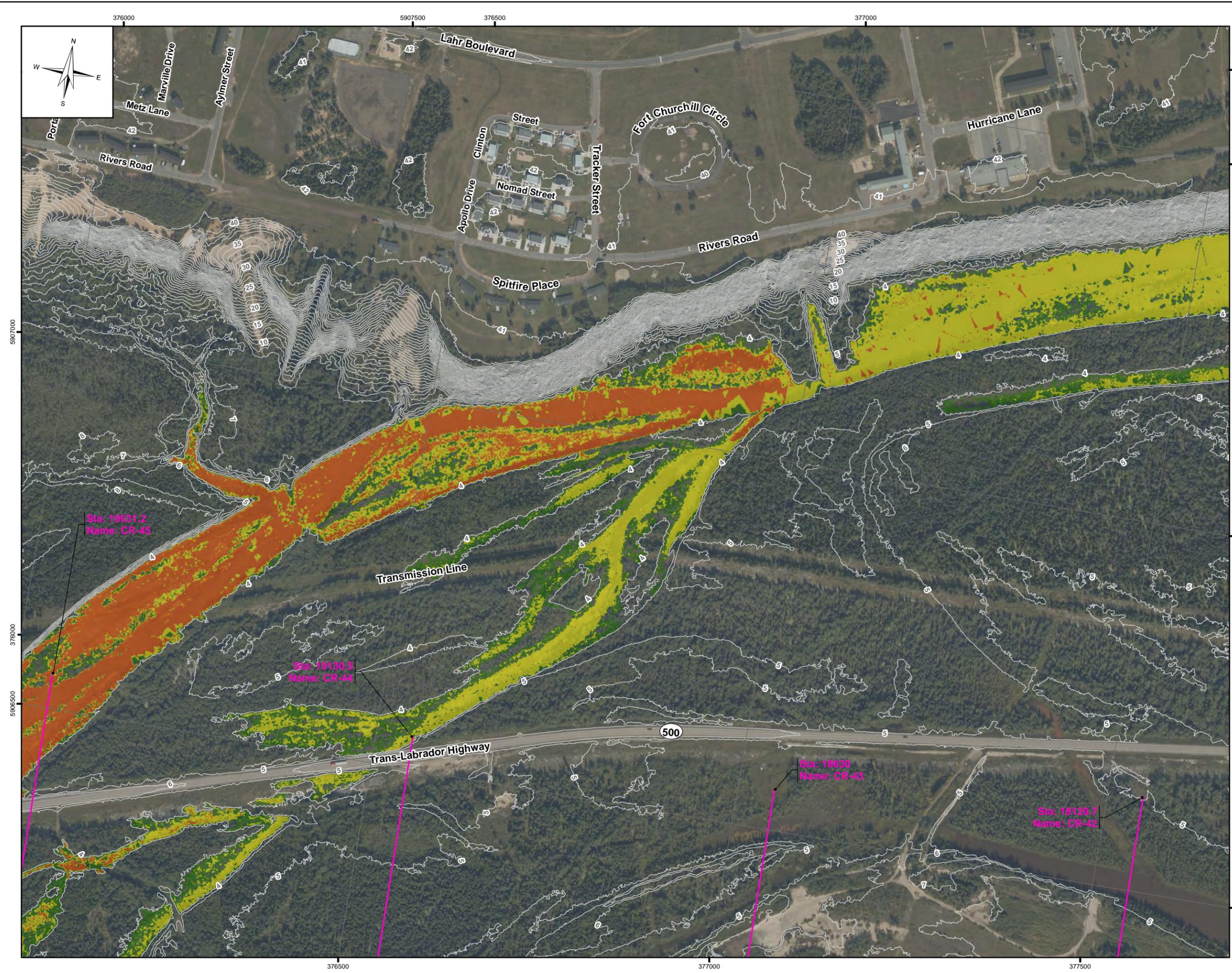
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
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REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-03

JUNE 2020	FIGURE 8.2	REV: 0
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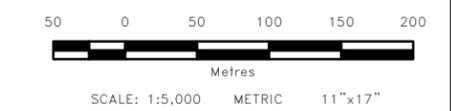


LEGEND:

- Sta: 23648 Name: CR-43
Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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.



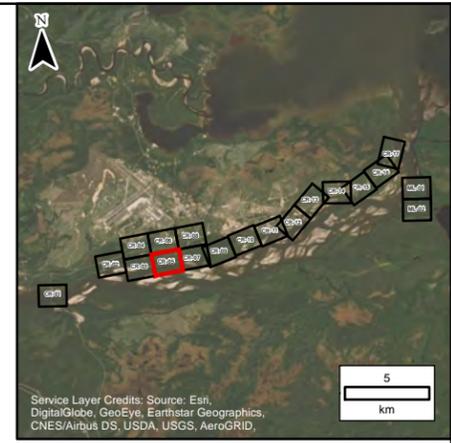
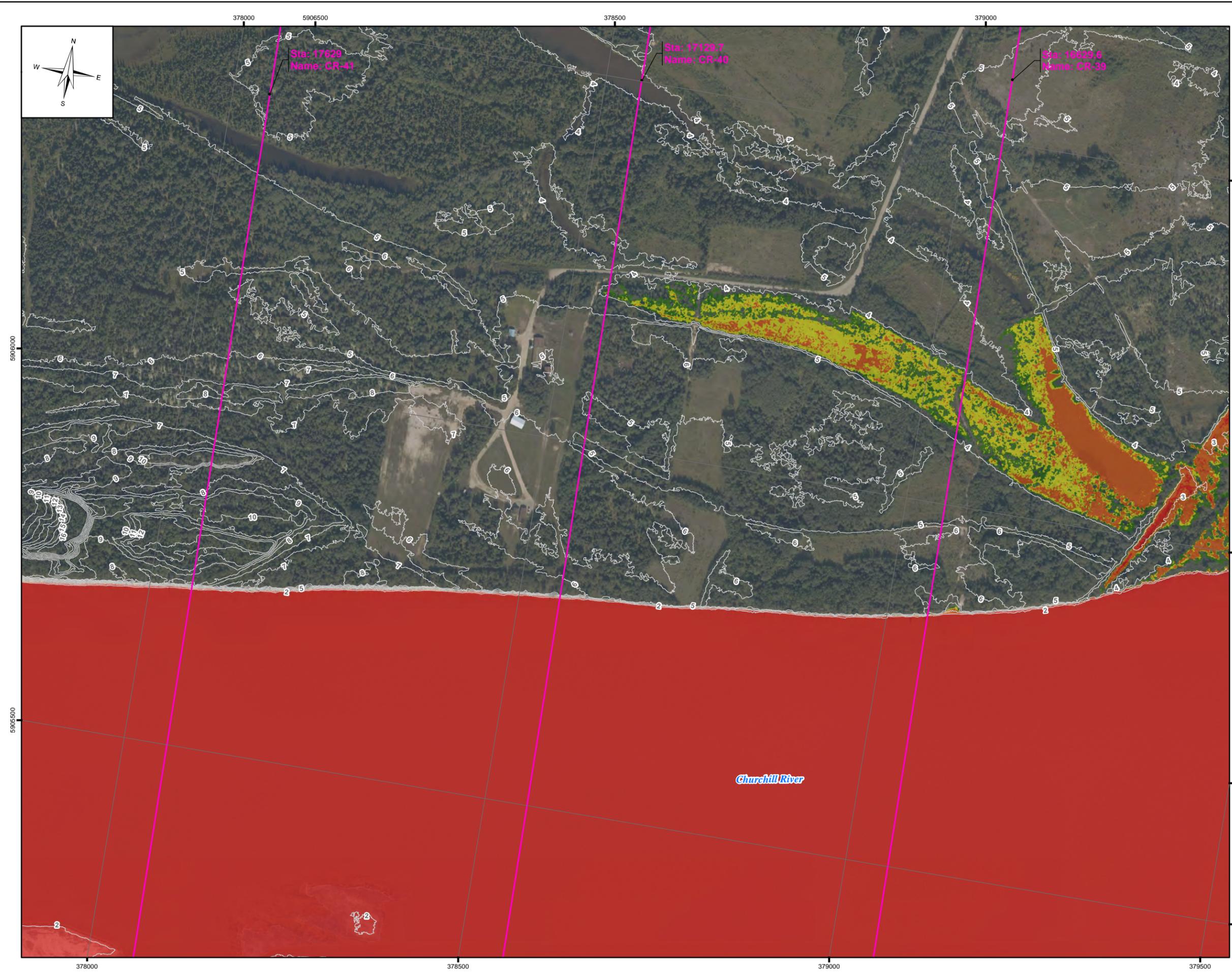
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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

OPEN WATER 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-04

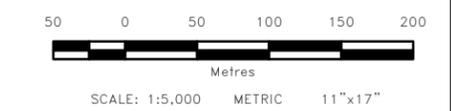


LEGEND:

- Sta: 23648 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

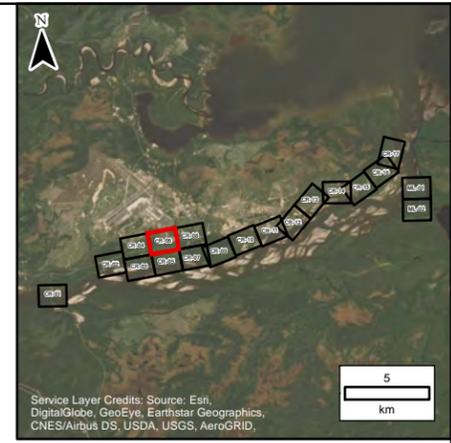
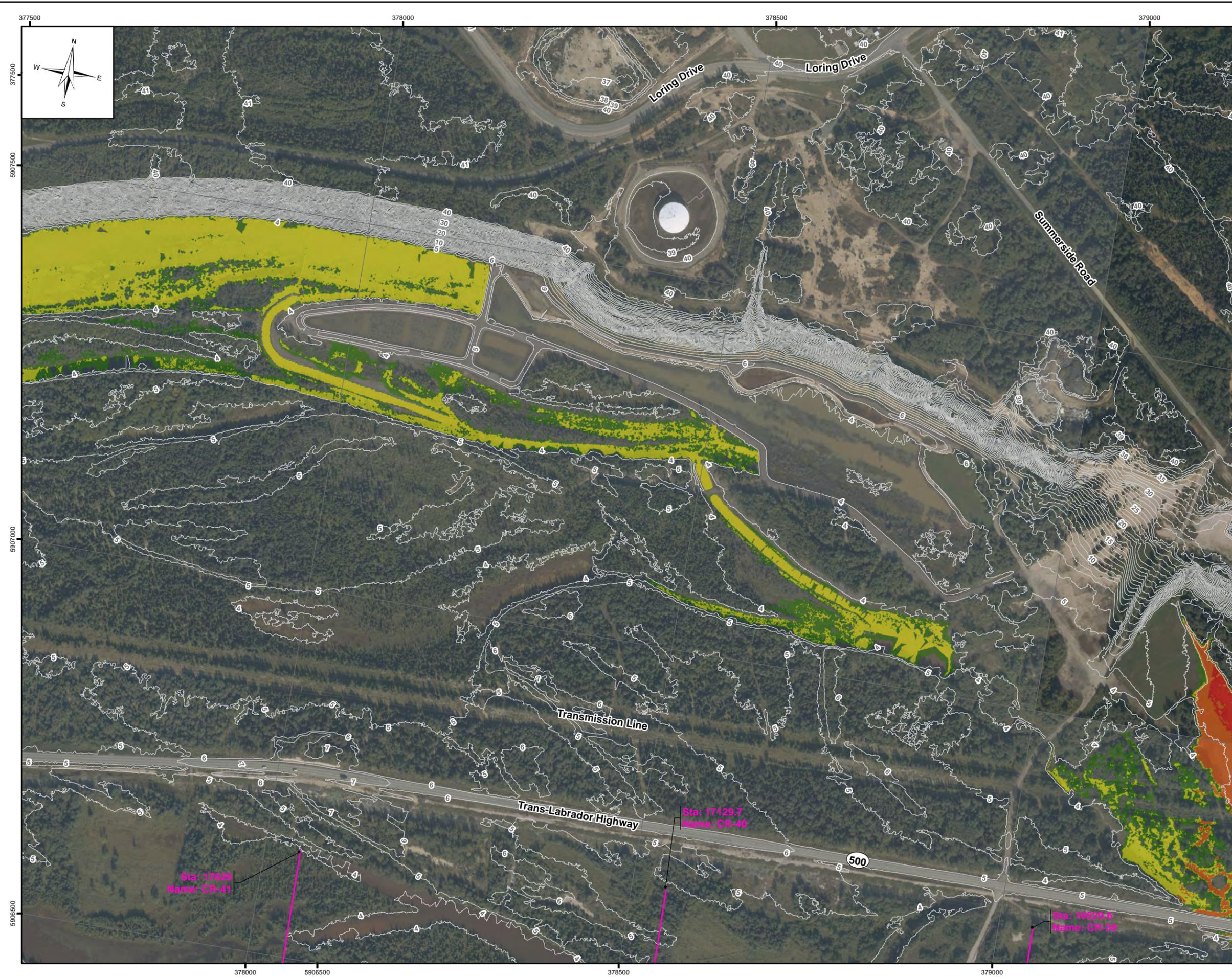
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NO.	Y1/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD)
CONDITIONS - CR-05

JUNE 2020	FIGURE 8.2	REV: 0
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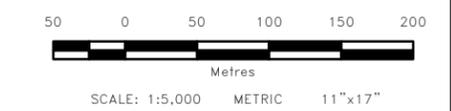


LEGEND:

- Sta: 23648 Name: CR-43
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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.



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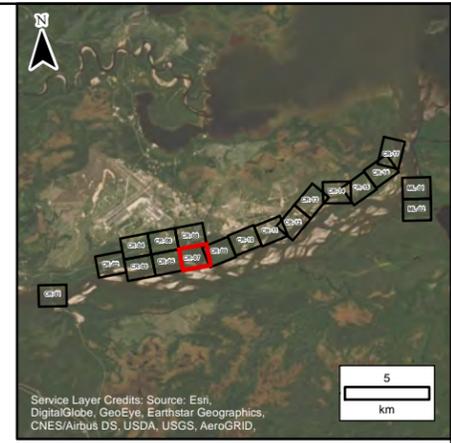
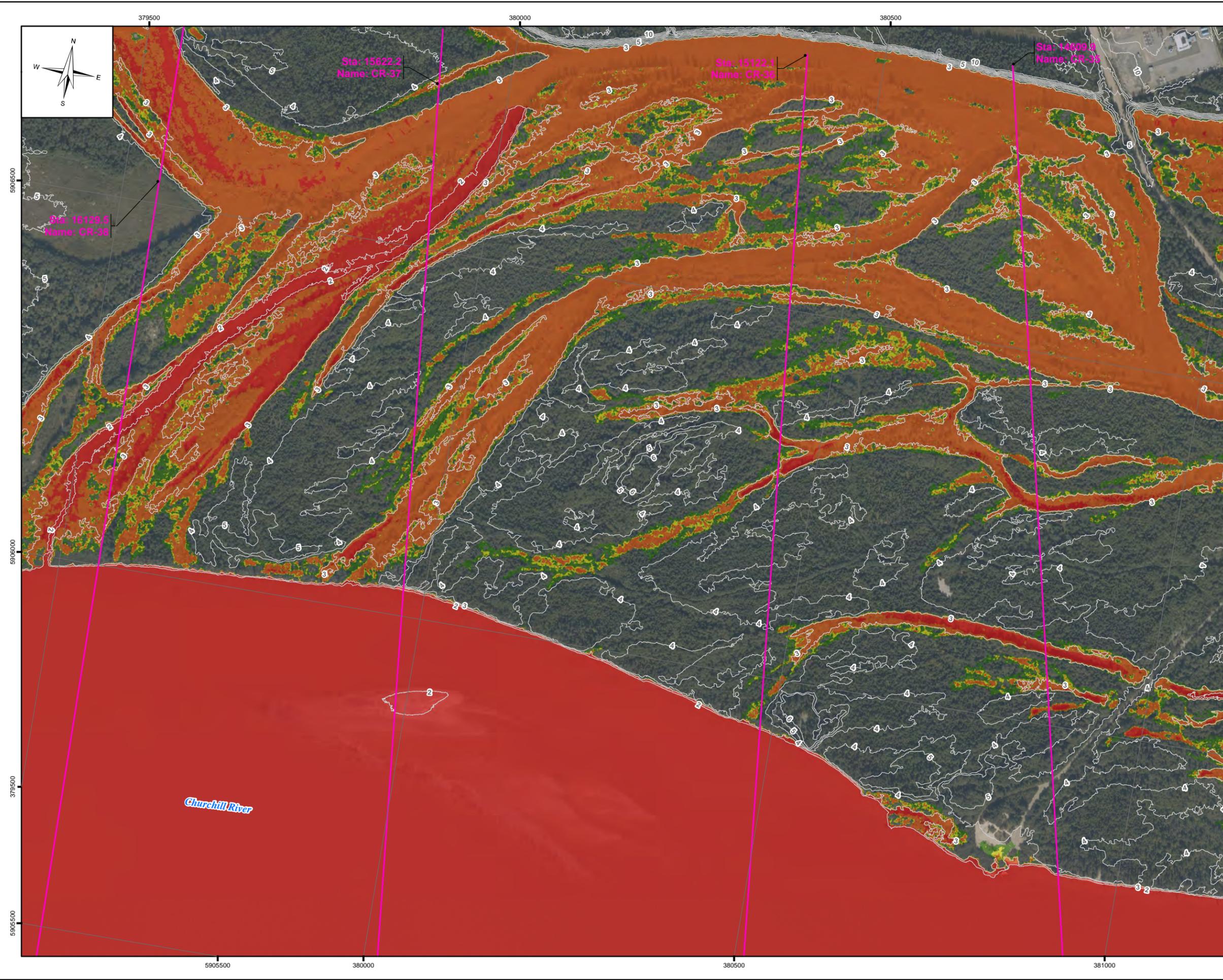
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-06

JUNE 2020	FIGURE 8.2	REV: 0
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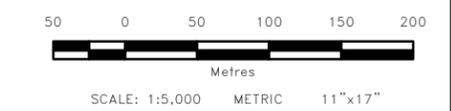


LEGEND:

- Sta: 2364.8 Name: CR-33
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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.



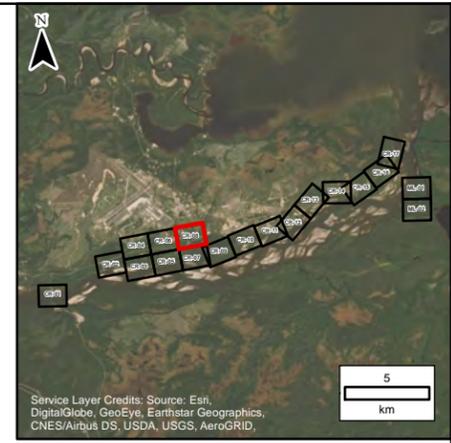
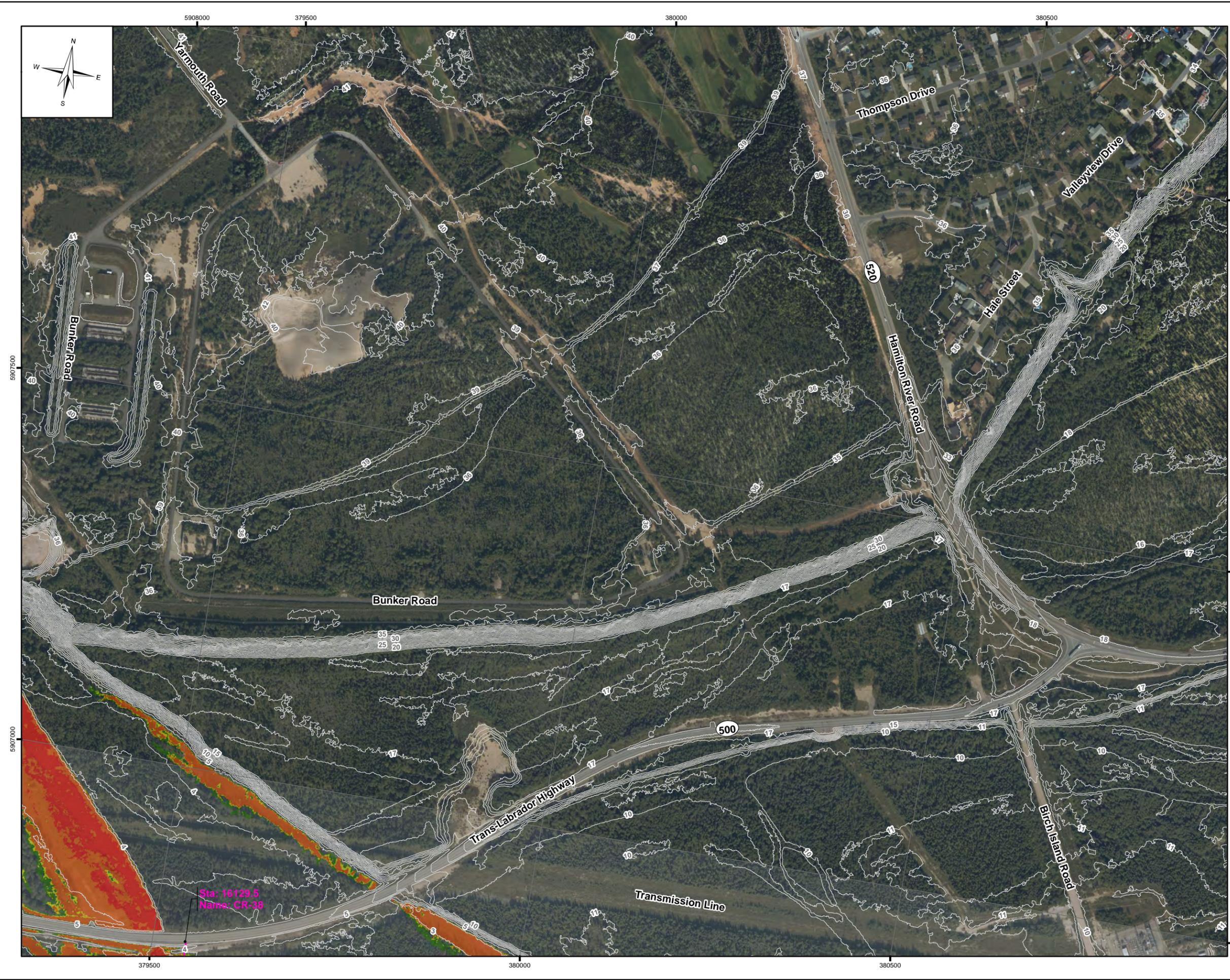
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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

REVISIONS / ISSUE

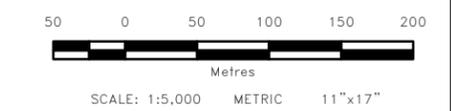
CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-07



- LEGEND:**
- Sta: 23648 Name: CR-53
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - Low - Caution
 - Moderate - Danger for Some (Includes children, the elderly, and the infirm)
 - Significant - Danger for Most (Includes the general public)
 - Extreme - Danger for All (Includes the emergency services)

- 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.

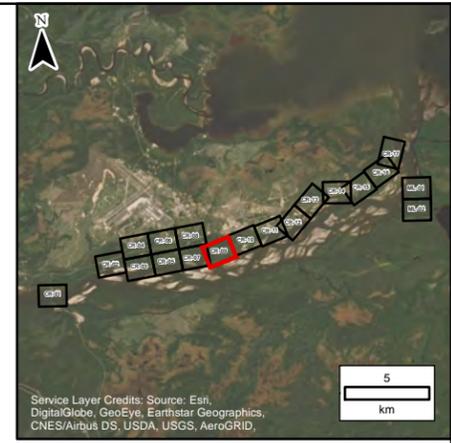
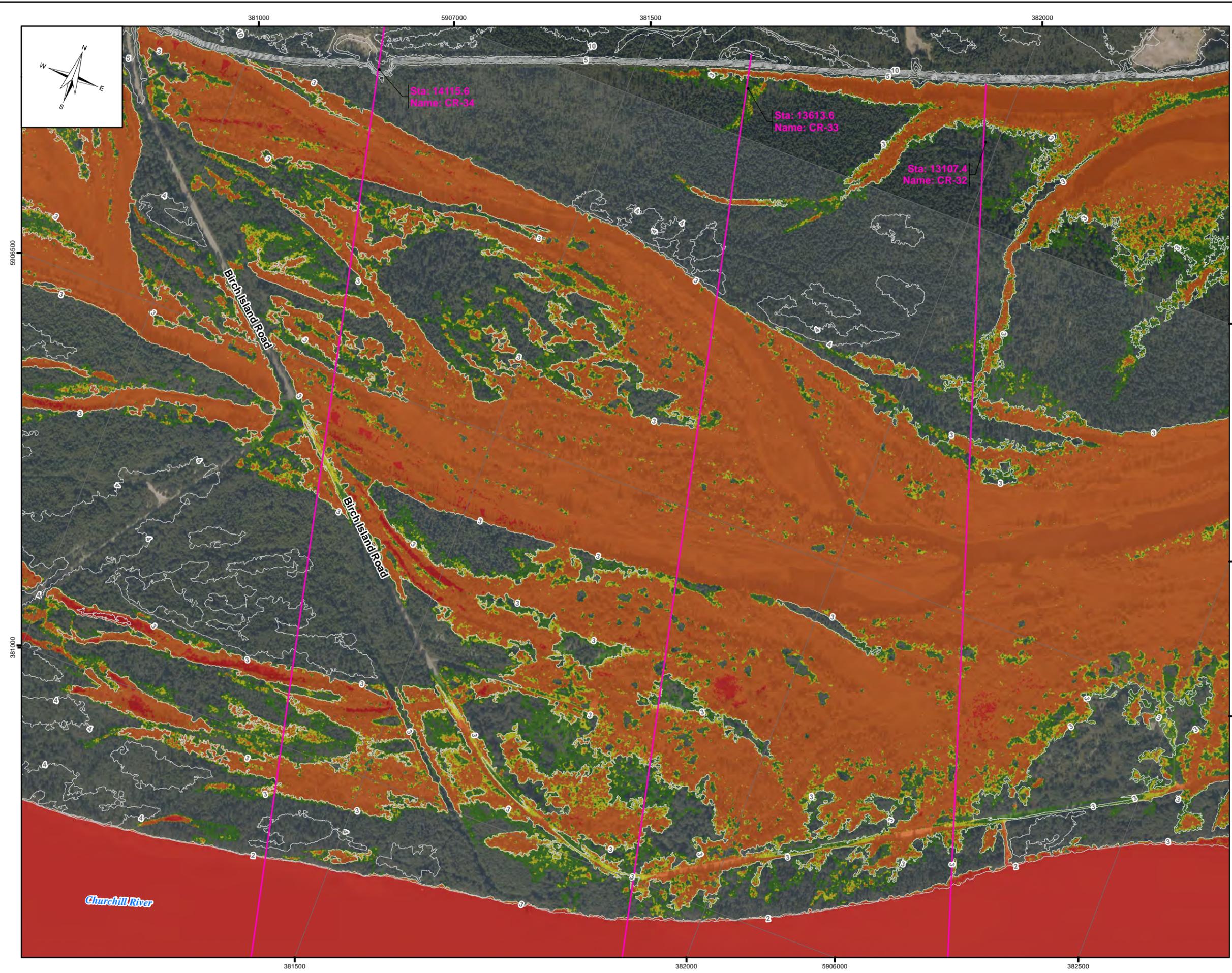


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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	
OPEN WATER 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-08	
JUNE 2020	FIGURE 8.2
REV: 0	0

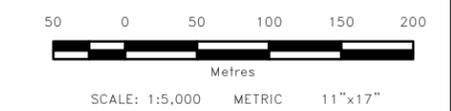


LEGEND:

- Sta: 23648 Name: CR-53
Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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

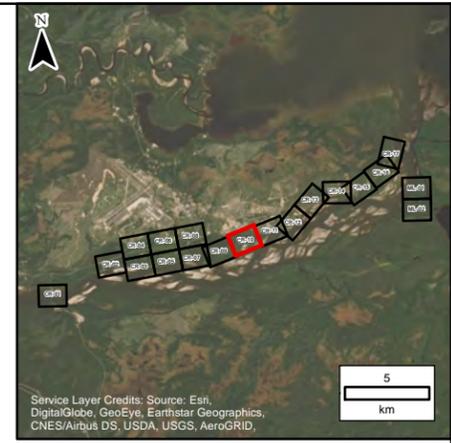
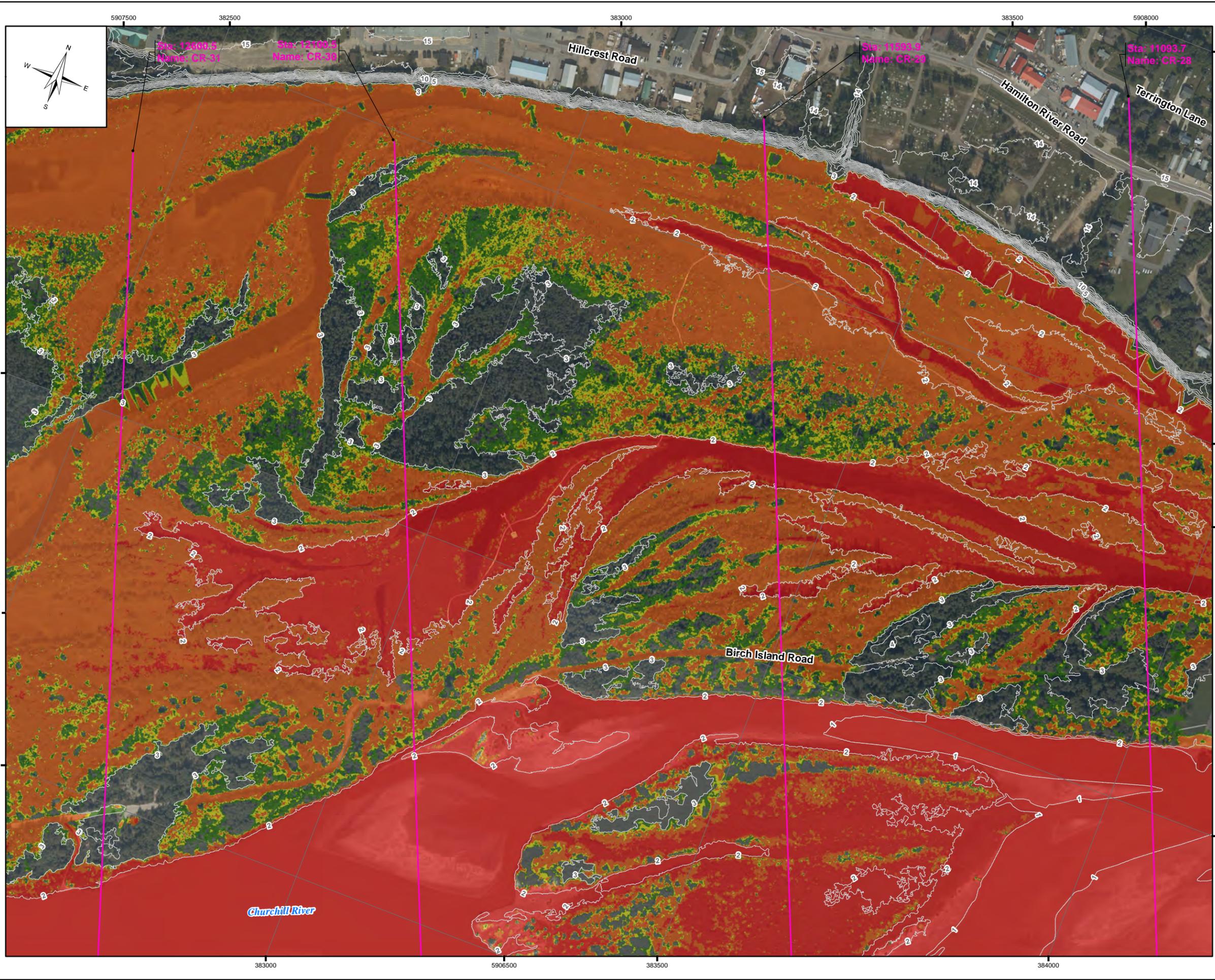
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CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-09

JUNE 2020	FIGURE 8.2	REV: 0
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 11"x17" PLOT SCALE 1:1
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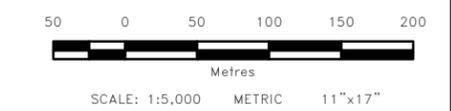


LEGEND:

- Sta: 2364.8 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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

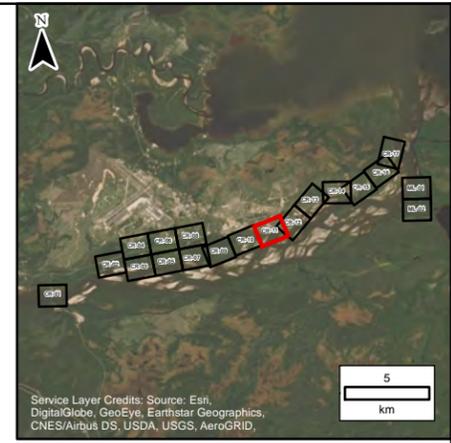
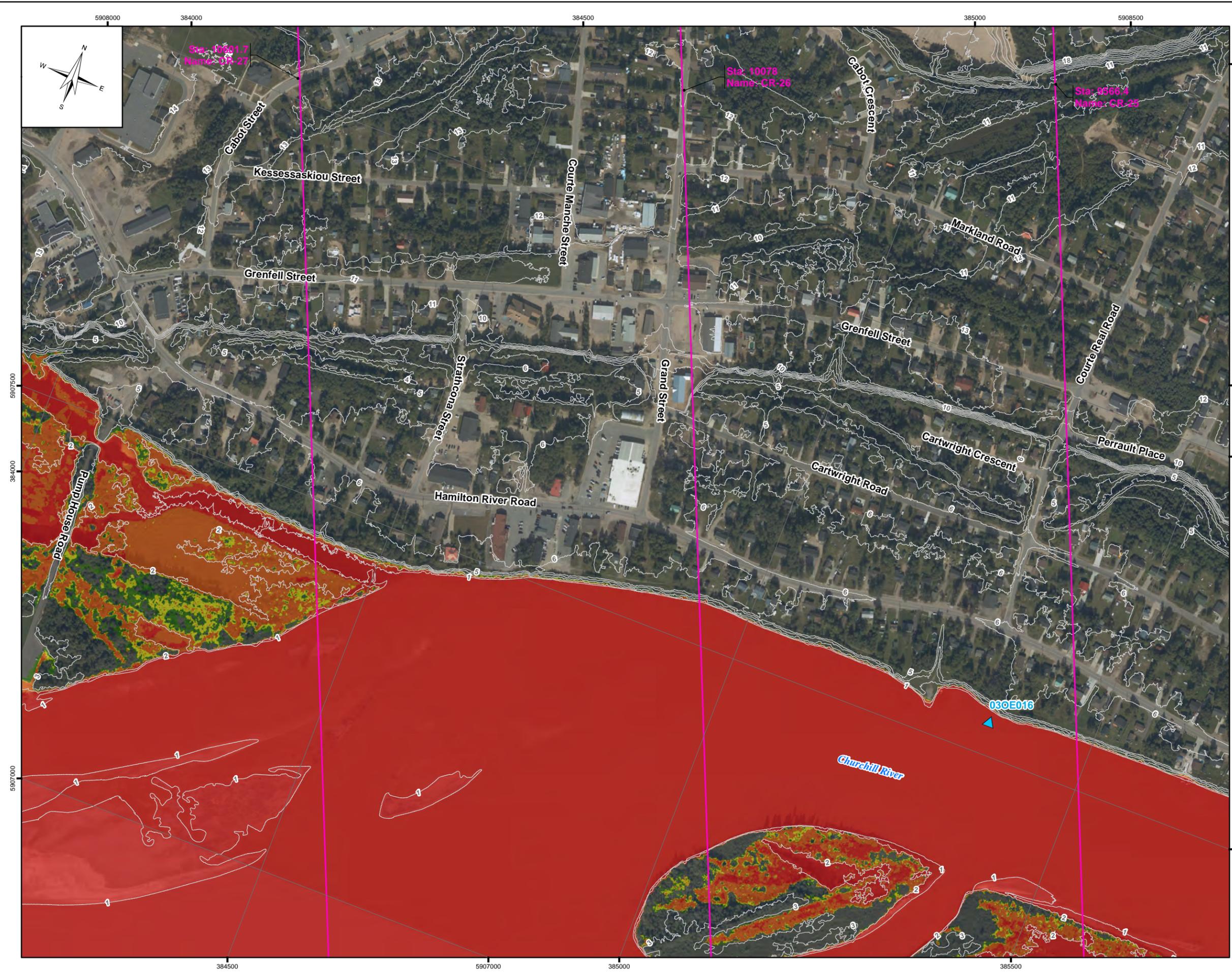
REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-10

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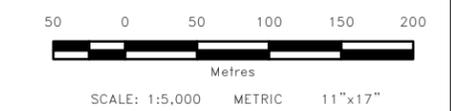
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 11"x17" PLOT SCALE 1:1



- LEGEND:**
- Sta. 2364.8 Name: CR-53
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - Low - Caution
 - Moderate - Danger for Some (Includes children, the elderly, and the infirm)
 - Significant - Danger for Most (Includes the general public)
 - Extreme - Danger for All (Includes the emergency services)

NOTES:

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

REVISIONS / ISSUE

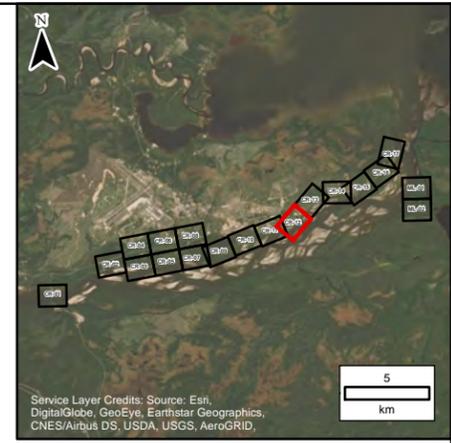
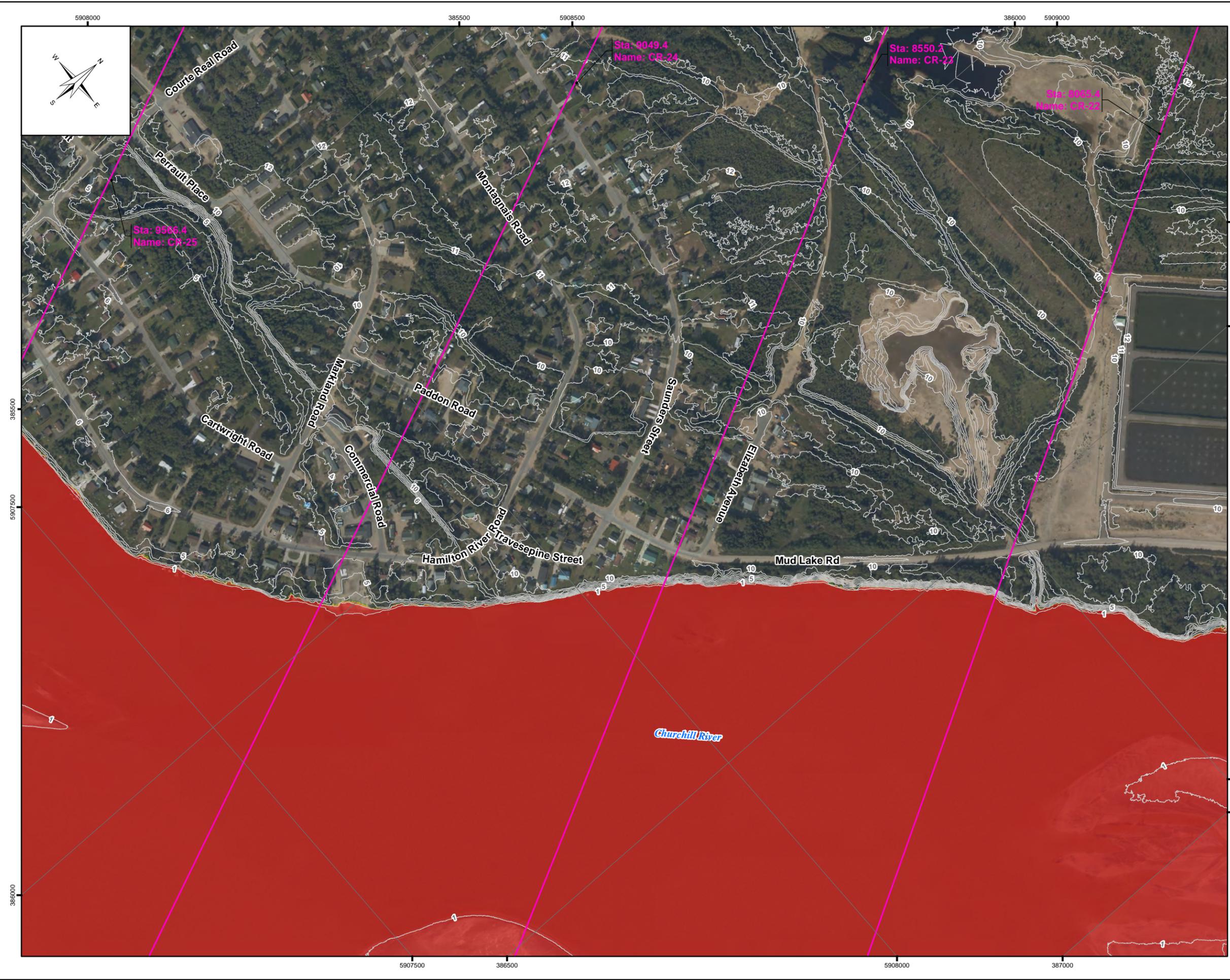
CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-11

JUNE 2020	FIGURE 8.2	REV: 0
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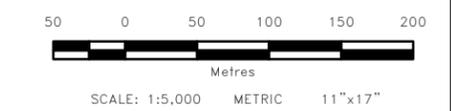
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 11"x17" PLOT SCALE 1:1

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- LEGEND:**
- Sta: 2364.8 Name: CR-53
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - Low - Caution
 - Moderate - Danger for Some (Includes children, the elderly, and the infirm)
 - Significant - Danger for Most (Includes the general public)
 - Extreme - Danger for All (Includes the emergency services)

- NOTES:**
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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).

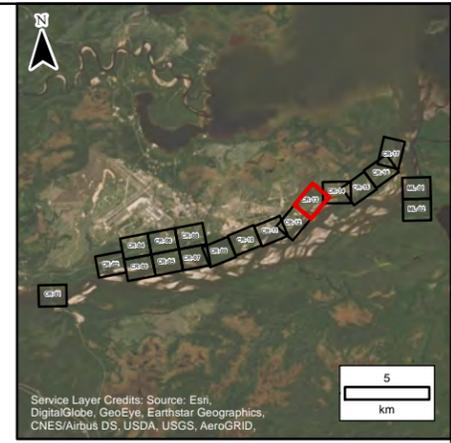
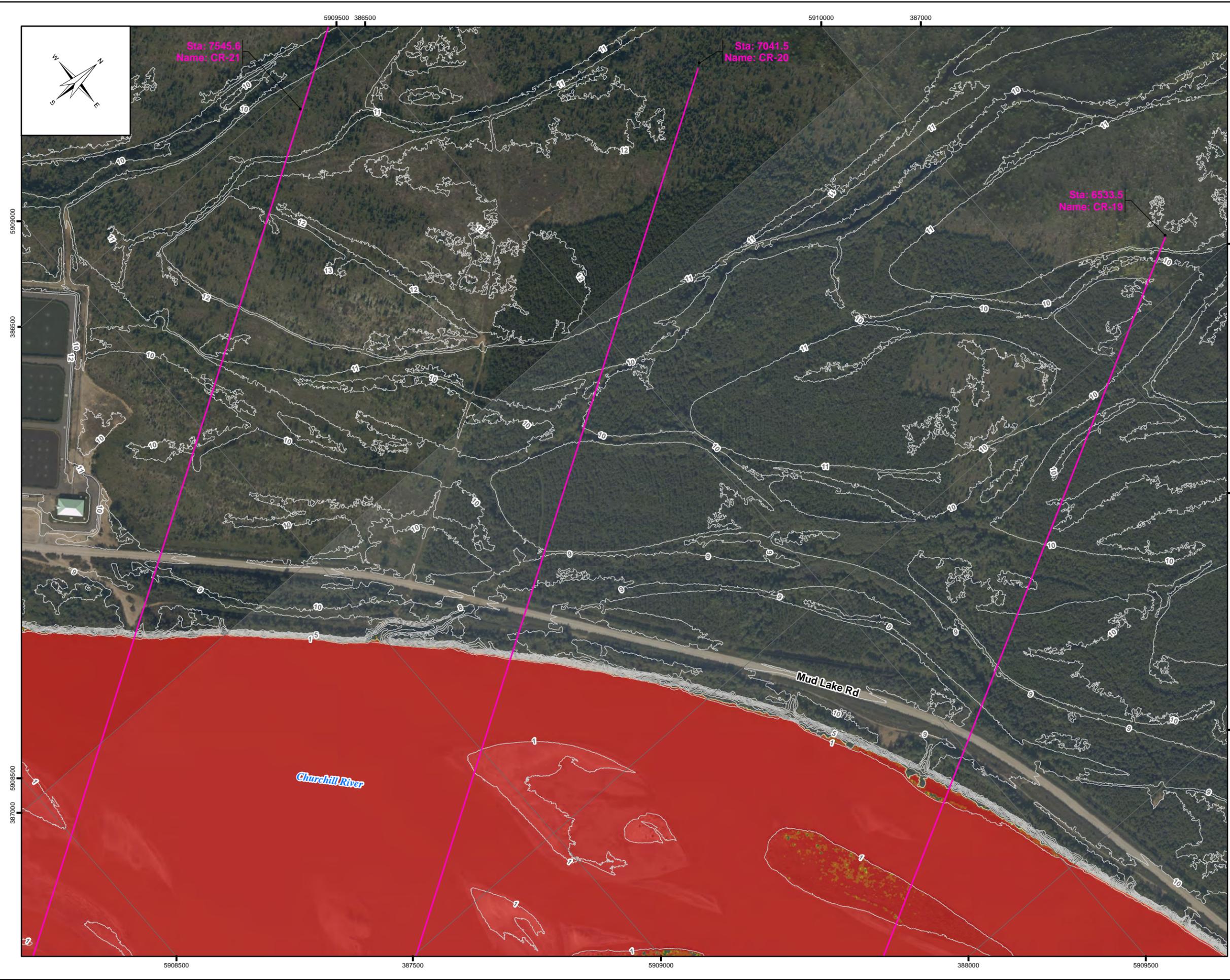
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CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-12

JUNE 2020	FIGURE 8.2	REV: 0
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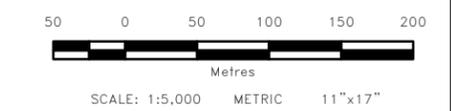


LEGEND:

- Sta: 2364.8 Name: CR-19
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

NOTES:

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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).

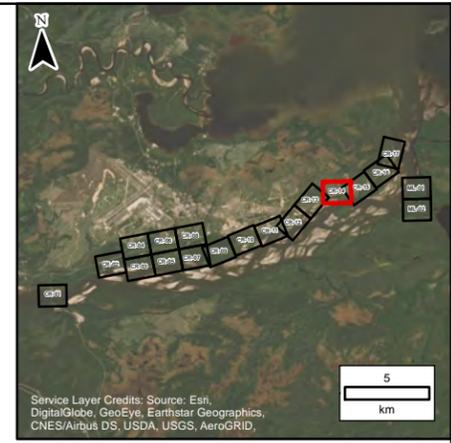
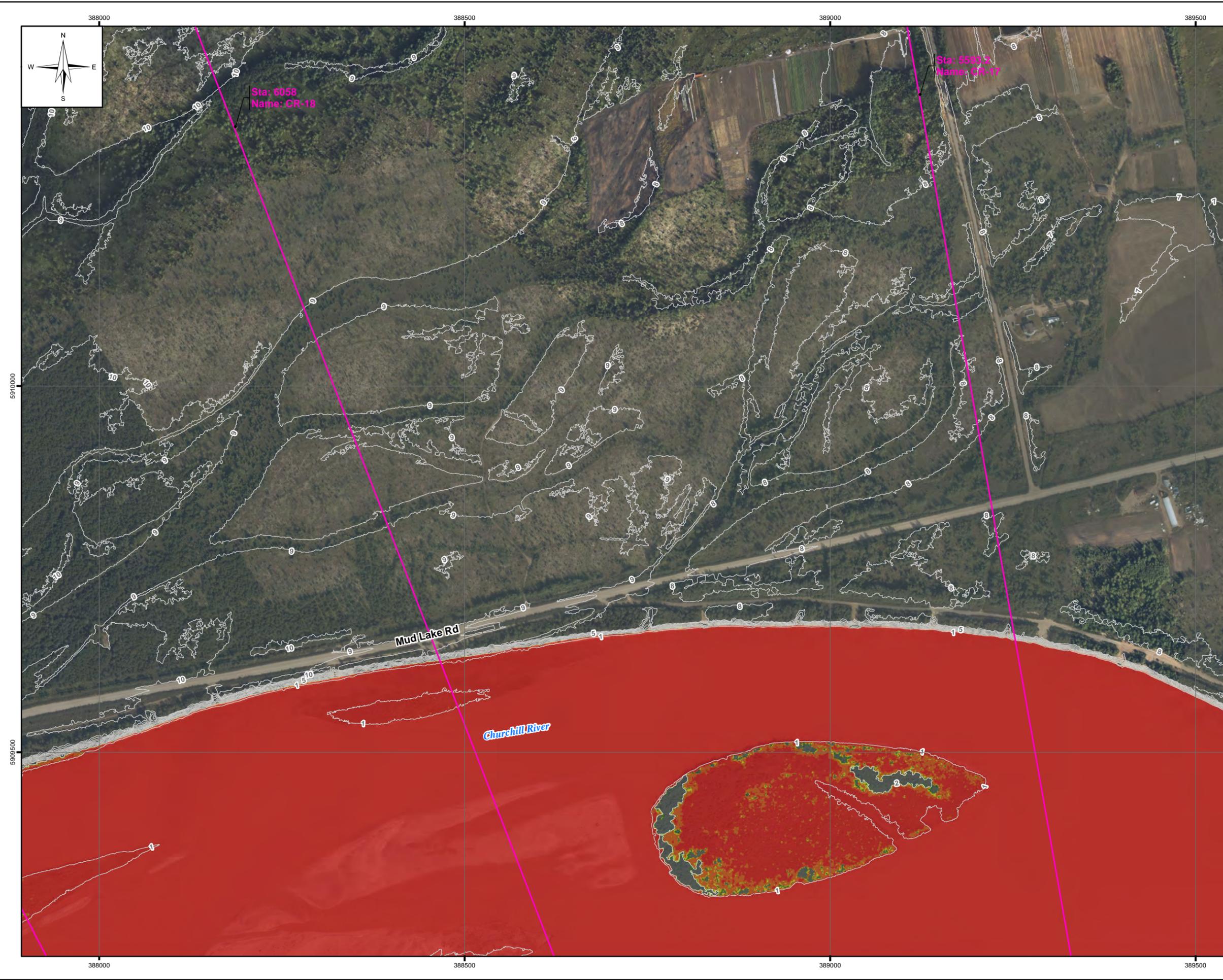
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REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-13

JUNE 2020	FIGURE 8.2	REV: 0
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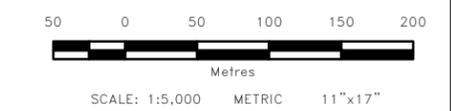


LEGEND:

- Sta: 2364 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

NOTES:

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2. Topography shown was developed by KGS Group from the LIDAR captured by ATGIS Geomatics on September 11 - 13, 2019.

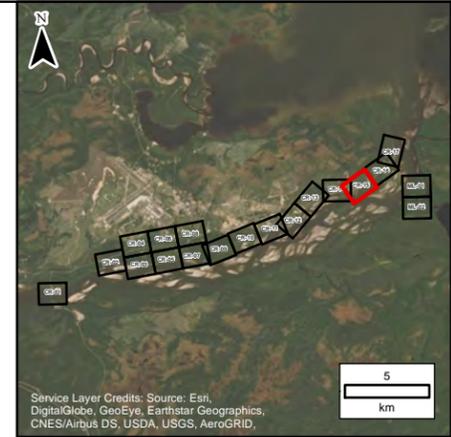
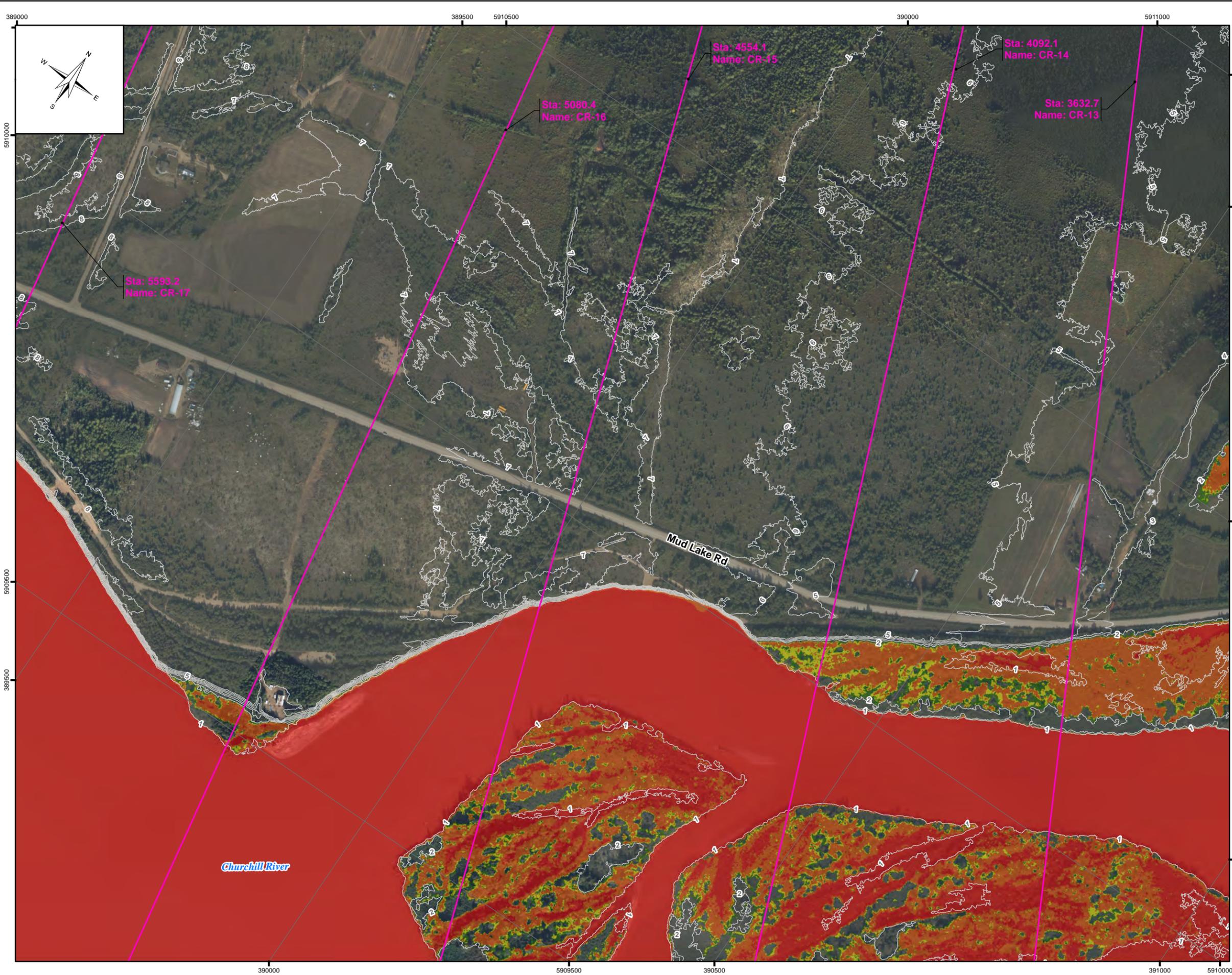


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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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 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-14	
JUNE 2020	FIGURE 8.2
	REV: 0

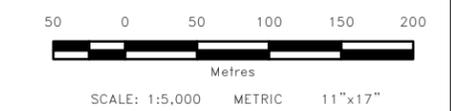


LEGEND:

- Sta: 2364.8 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

NOTES:

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

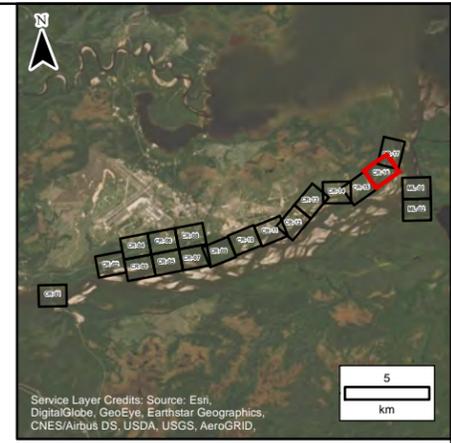
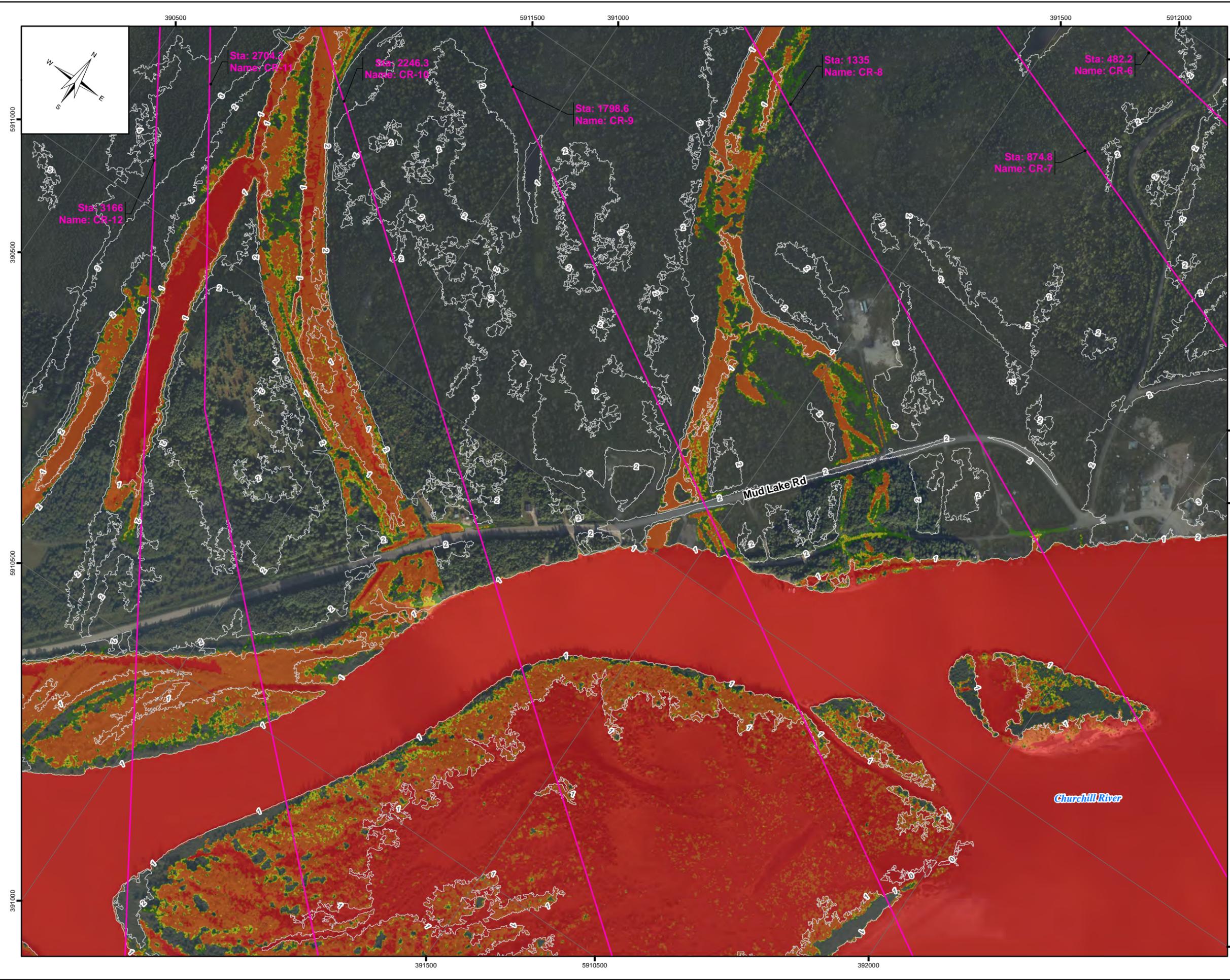
REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-15

JUNE 2020	FIGURE 8.2	REV: 0
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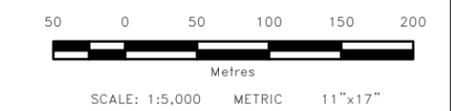


LEGEND:

- Sta: 2364.8 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

NOTES:

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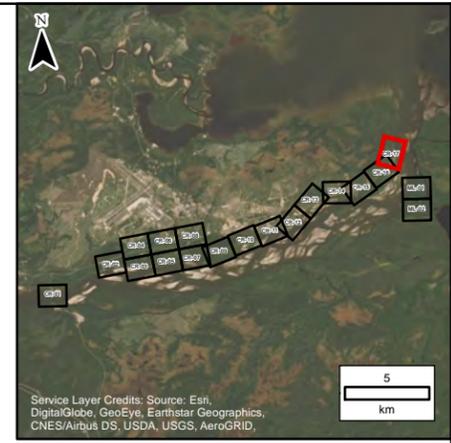
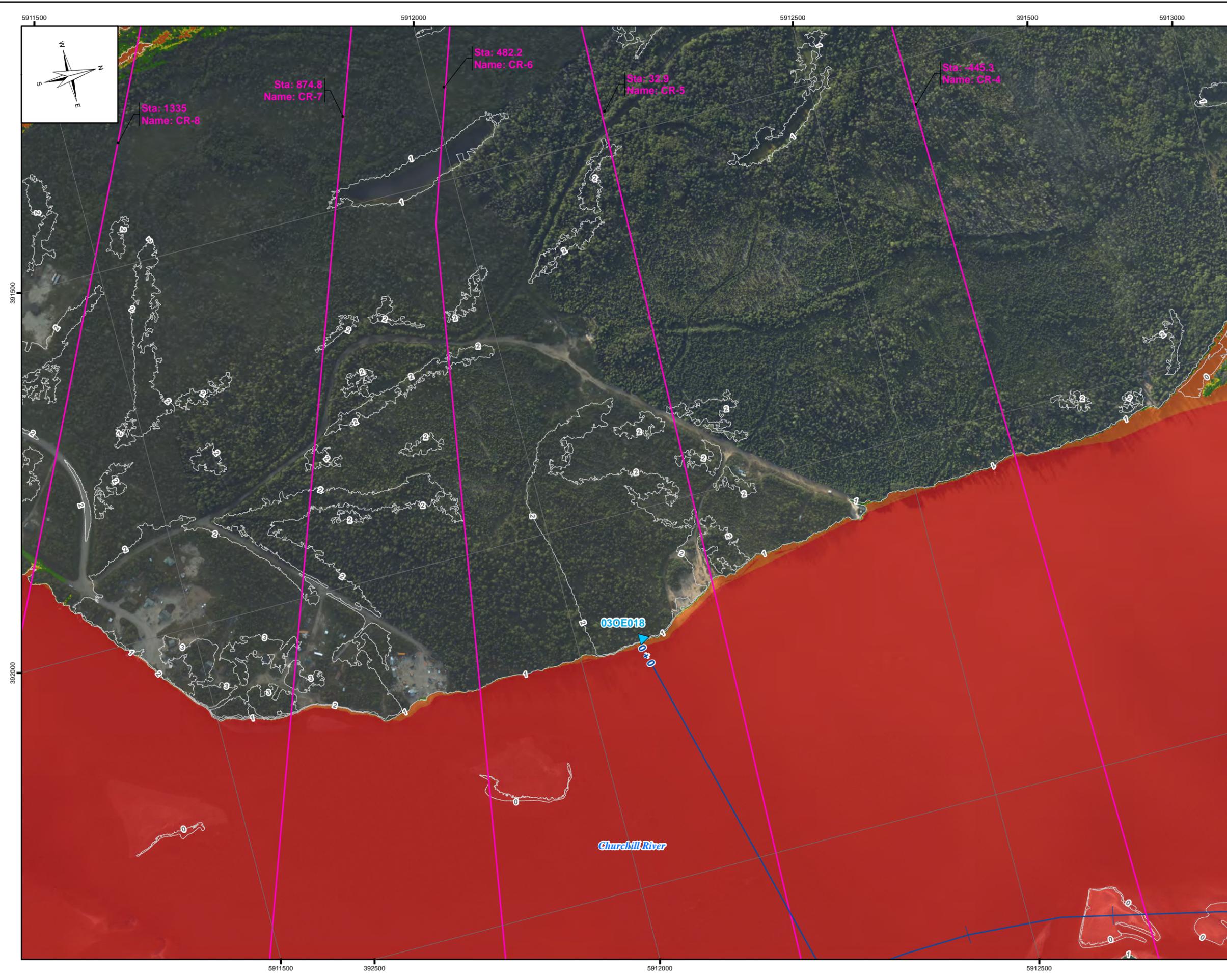
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REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-16

JUNE 2020	FIGURE 8.2	REV: 0
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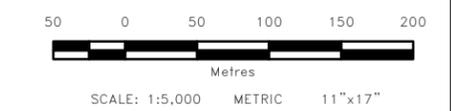


LEGEND:

- Sta: 2364.8 Name: CR-53
Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low – Caution
- Moderate – Danger for Some (Includes children, the elderly, and the infirm)
- Significant – Danger for Most (Includes the general public)
- Extreme – Danger for All (Includes the emergency services)

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.

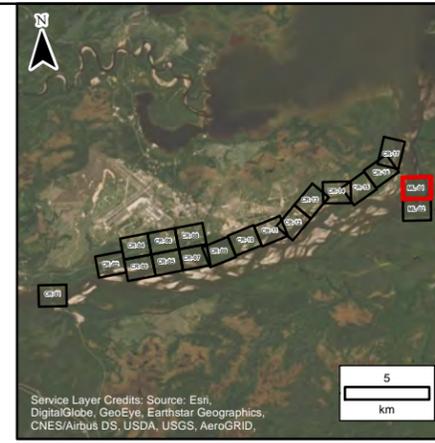
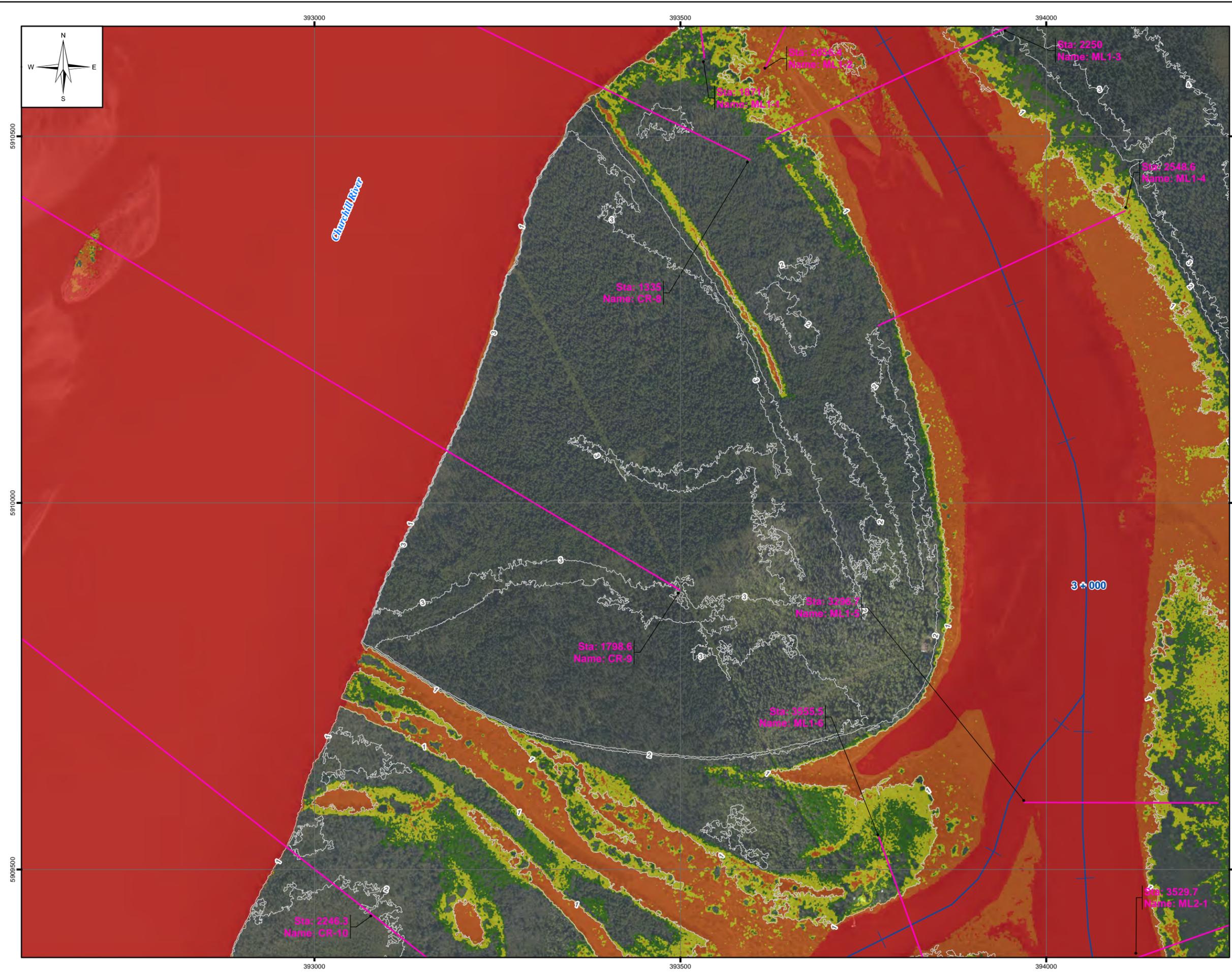


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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NO.	YY/MM/DD	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING	
OPEN WATER 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS – CR-17	
JUNE 2020	FIGURE 8.2
	REV: 0

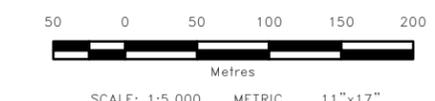


LEGEND:

- Sta: 2364.8 Name: CR-53 Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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.



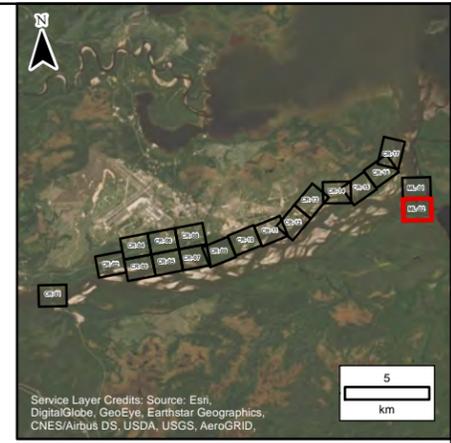
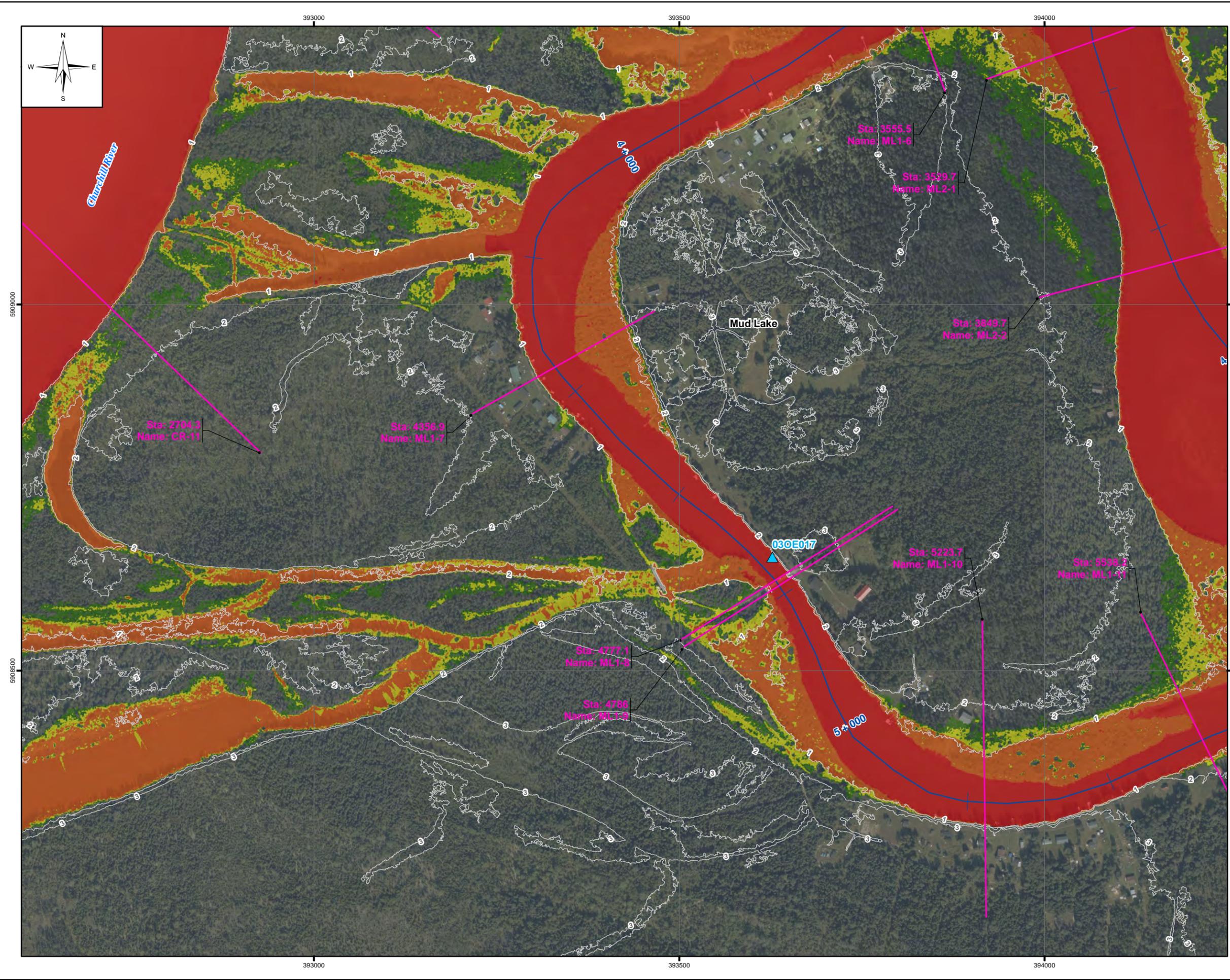
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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

OPEN WATER 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - ML-01

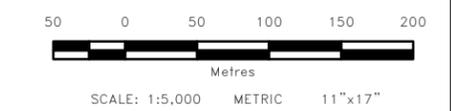


LEGEND:

- Sta: 2364.8 Name: CR-53
Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

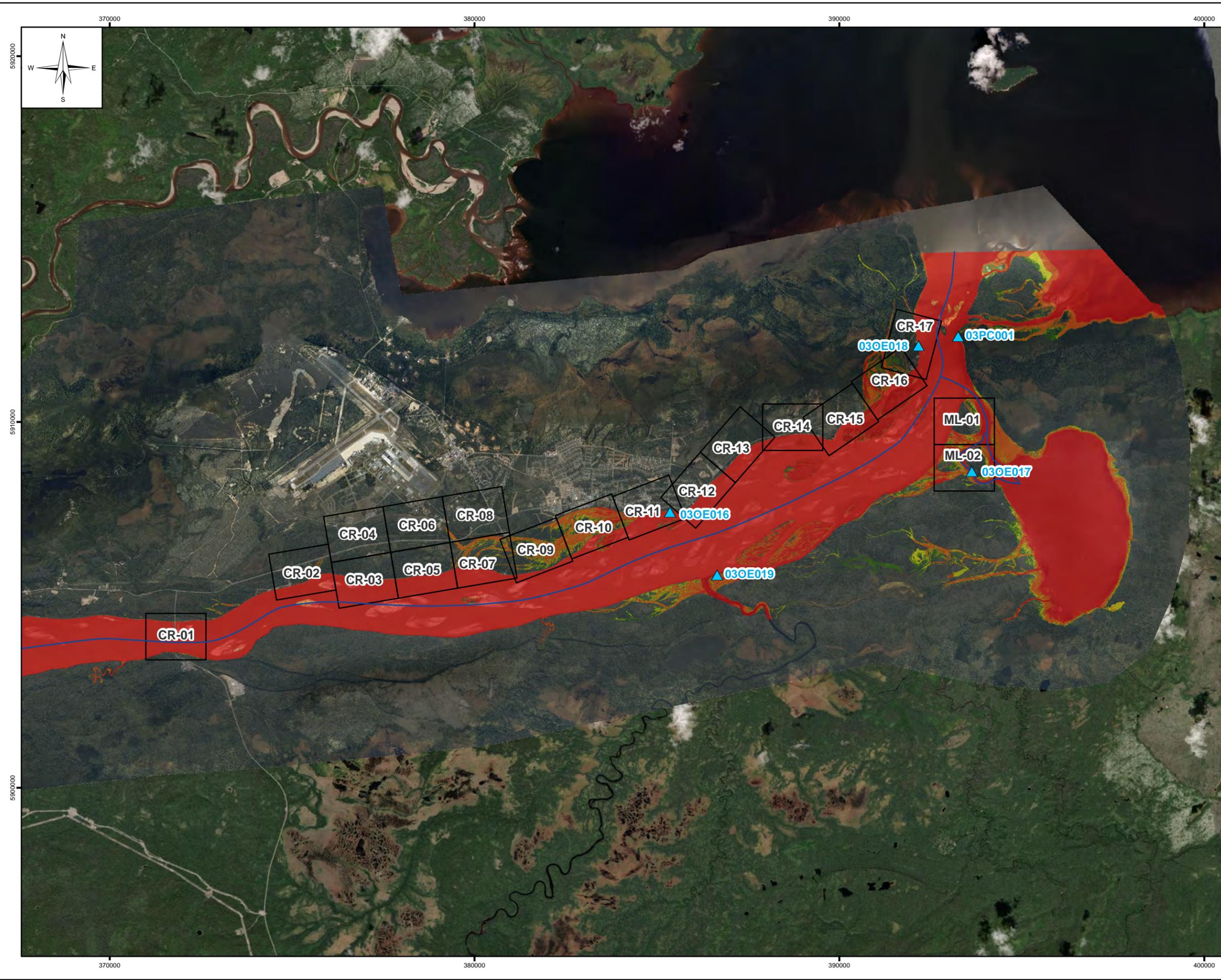
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

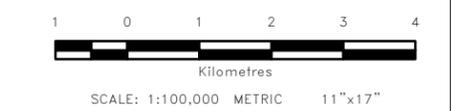
OPEN WATER 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - ML-02

JUNE 2020	FIGURE 8.2	REV: 0
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- LEGEND:**
- Water Survey of Canada Gauge Location
 - River Centreline
 - Low - Caution
 - Moderate - Danger for Some (Includes children, the elderly, and the infirm)
 - Significant - Danger for Most (Includes the general public)
 - Extreme - Danger for All (Includes the emergency services)
 - 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.

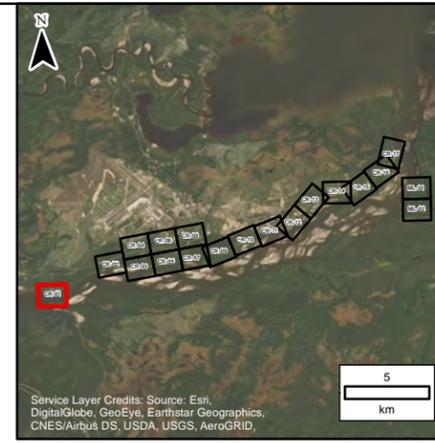
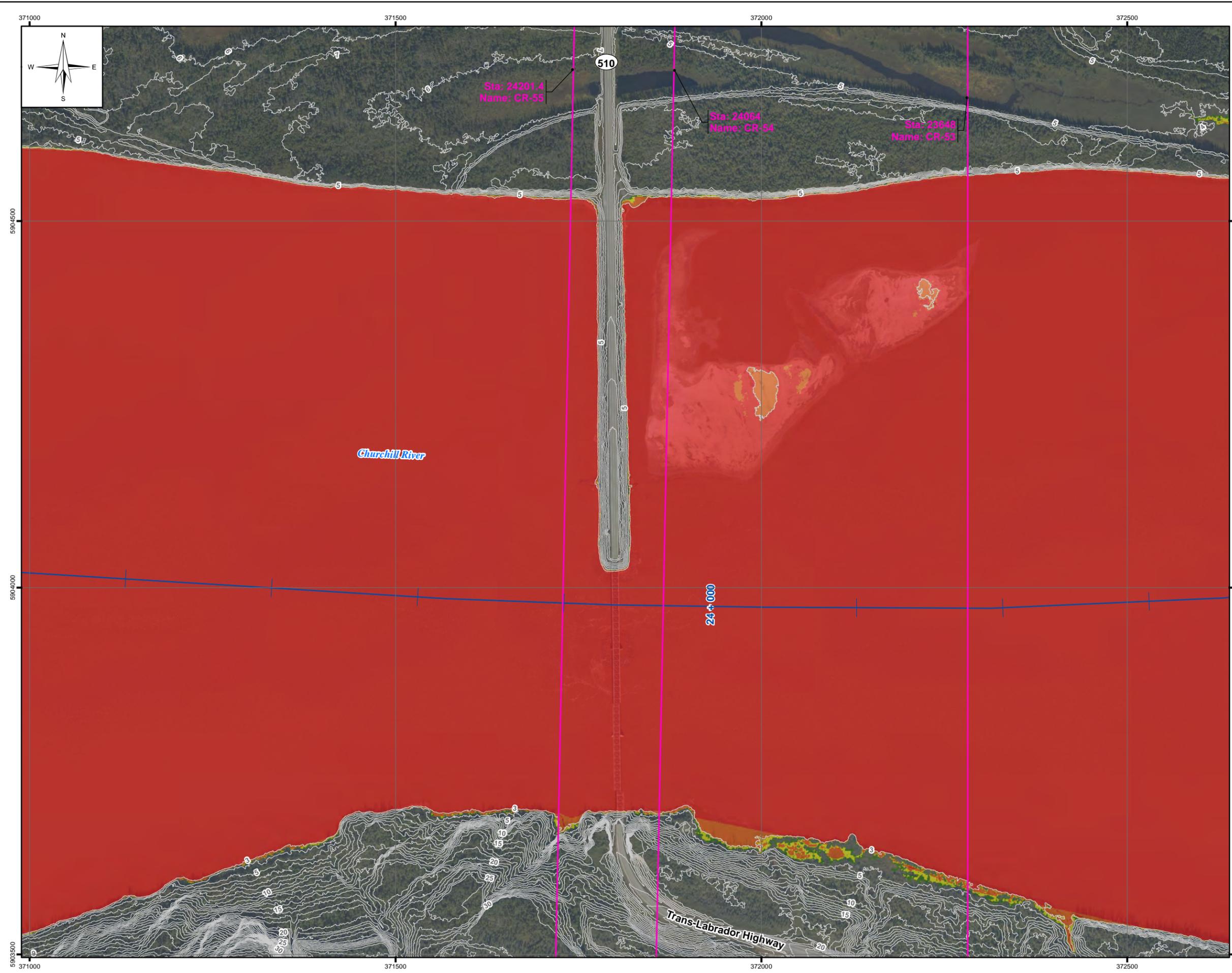


All units are metric and in metres unless otherwise specified.
 Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - OVERVIEW MAP		
JUNE 2020	FIGURE 8.3	REV: 0

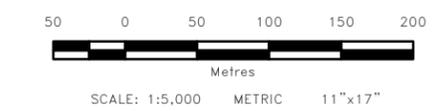


LEGEND:

- Sta: 23648 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

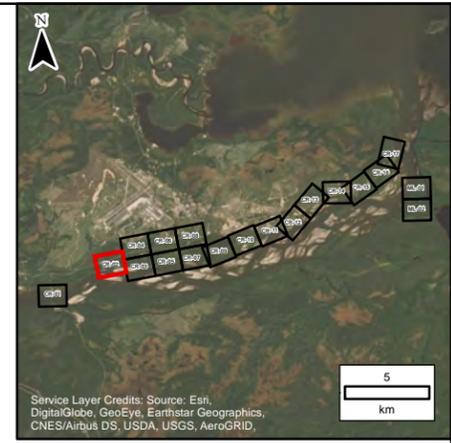
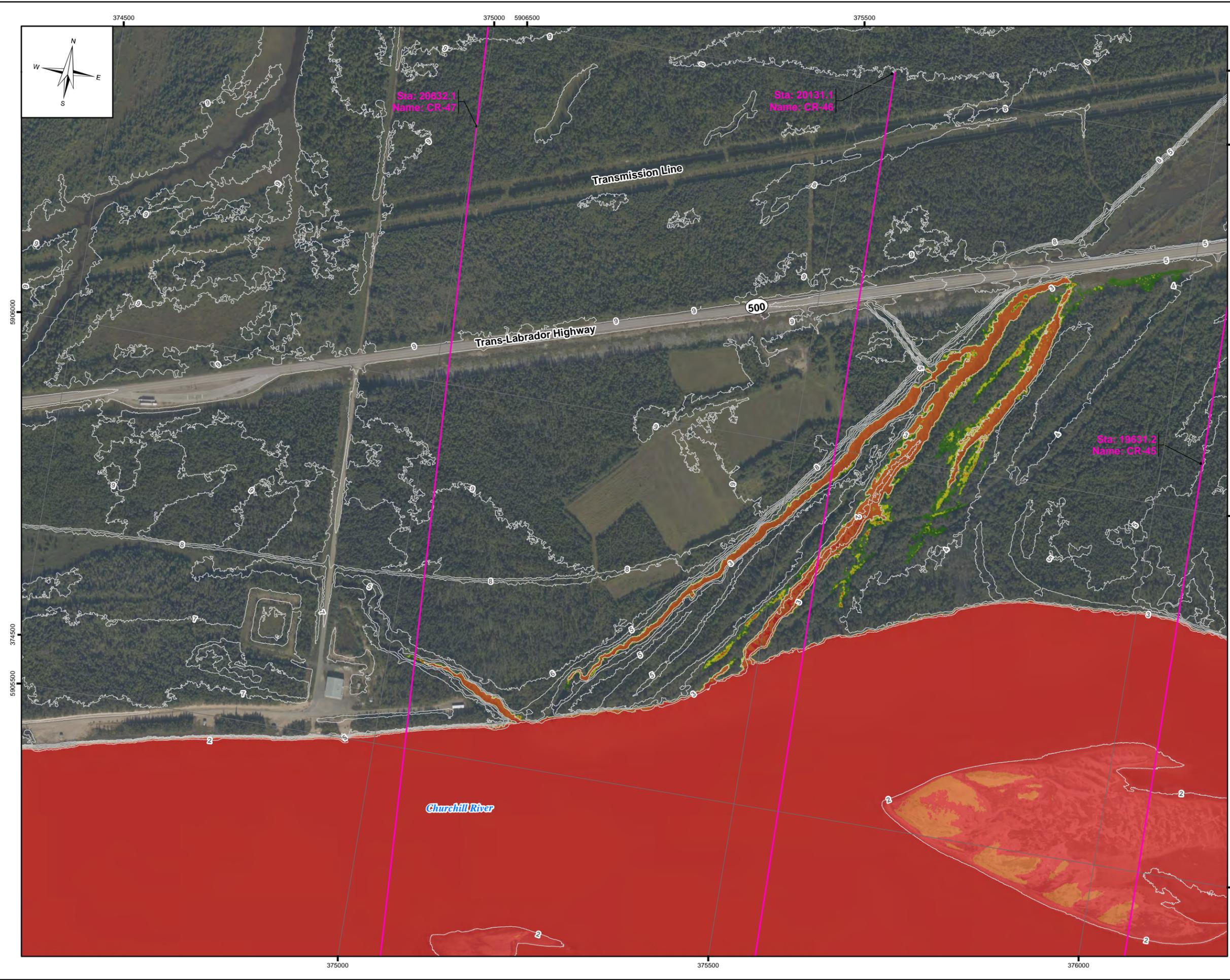
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-01

JUNE 2020	FIGURE 8.3	REV: 0
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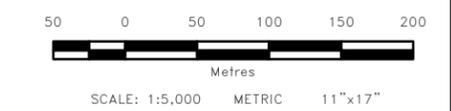


LEGEND:

- Sta: 20632.1
Name: CR-47
- Sta: 20131.1
Name: CR-46
- Sta: 19631.2
Name: CR-45
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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.

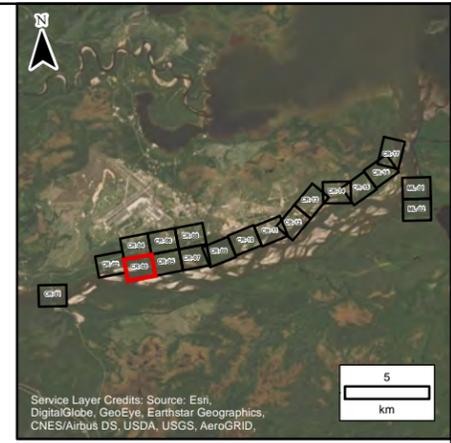
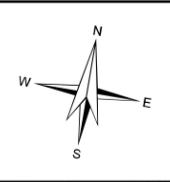
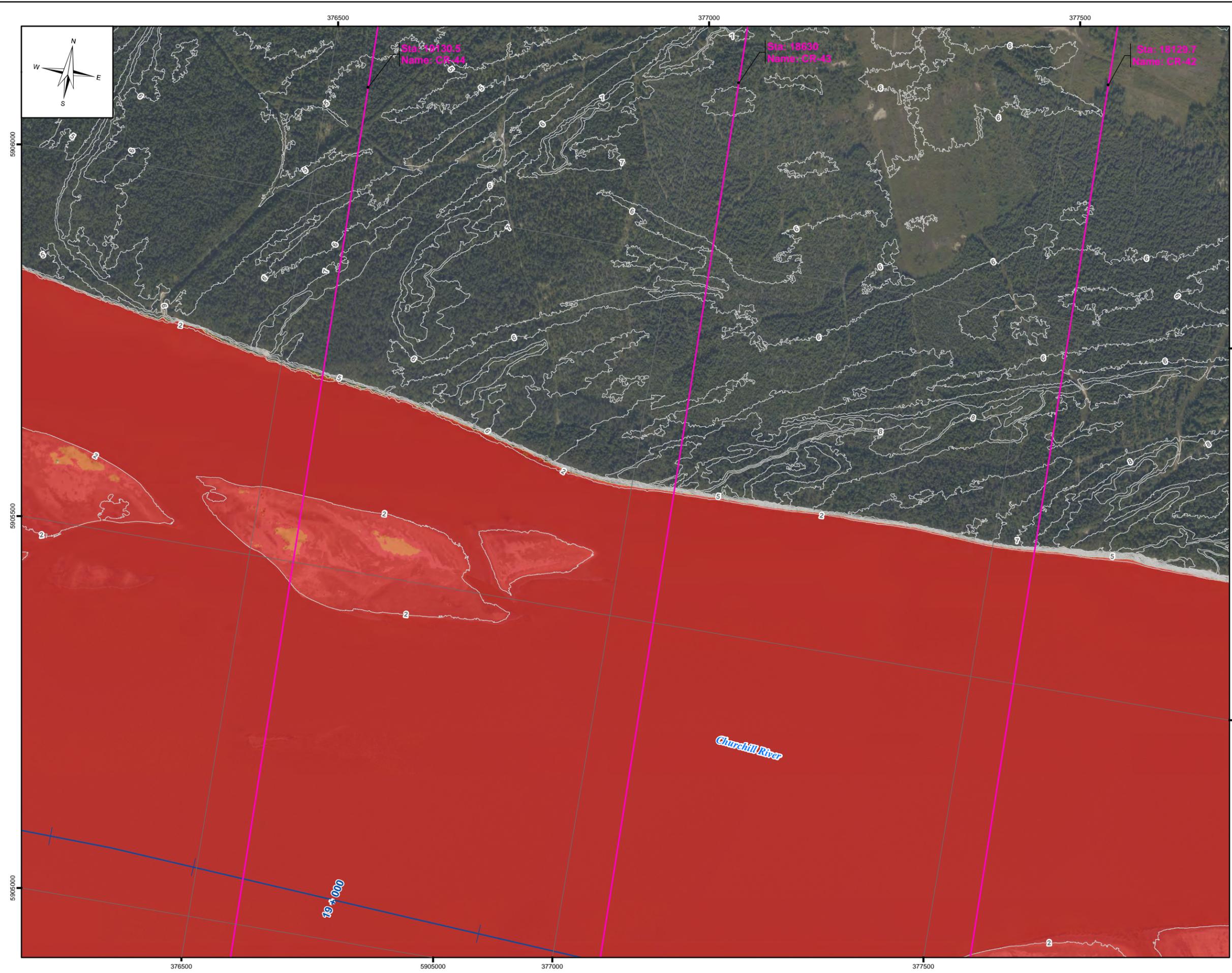


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING		
ICE AFFECTED 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-02		
JUNE 2020	FIGURE 8.3	REV: 0

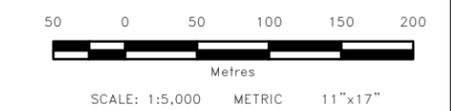


LEGEND:

- Sta: 23648 Name: CR-43
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

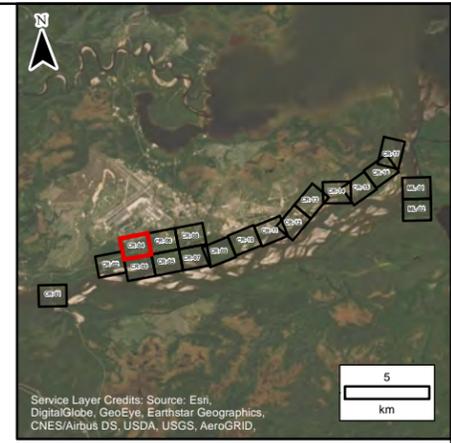
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-03

JUNE 2020	FIGURE 8.3	REV: 0
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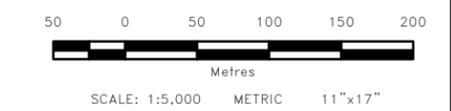


LEGEND:

- Sta: 23648 Name: CR-43
Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

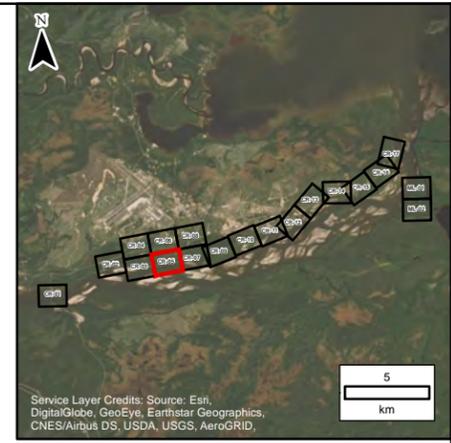
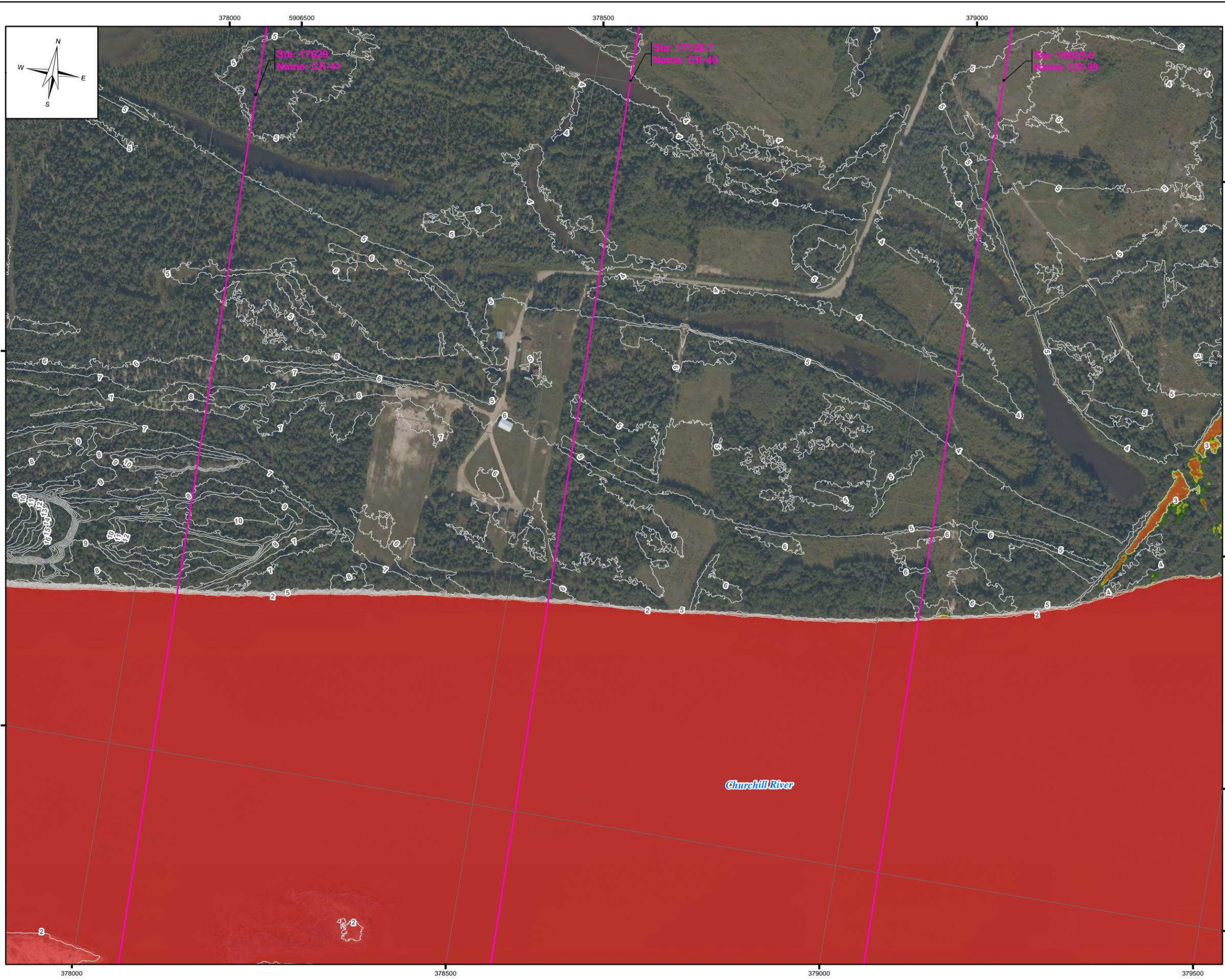
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-04

JUNE 2020	FIGURE 8.3	REV: 0
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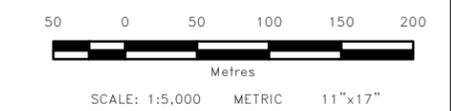


LEGEND:

- Sta: 23648 Name: CR-43
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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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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).

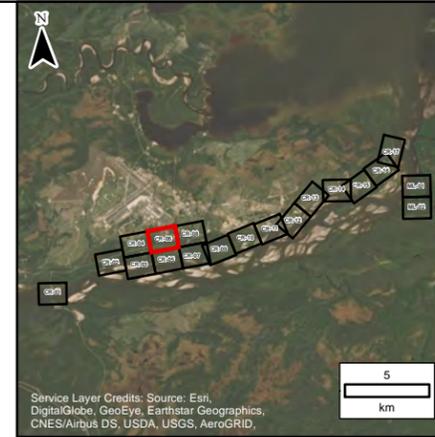
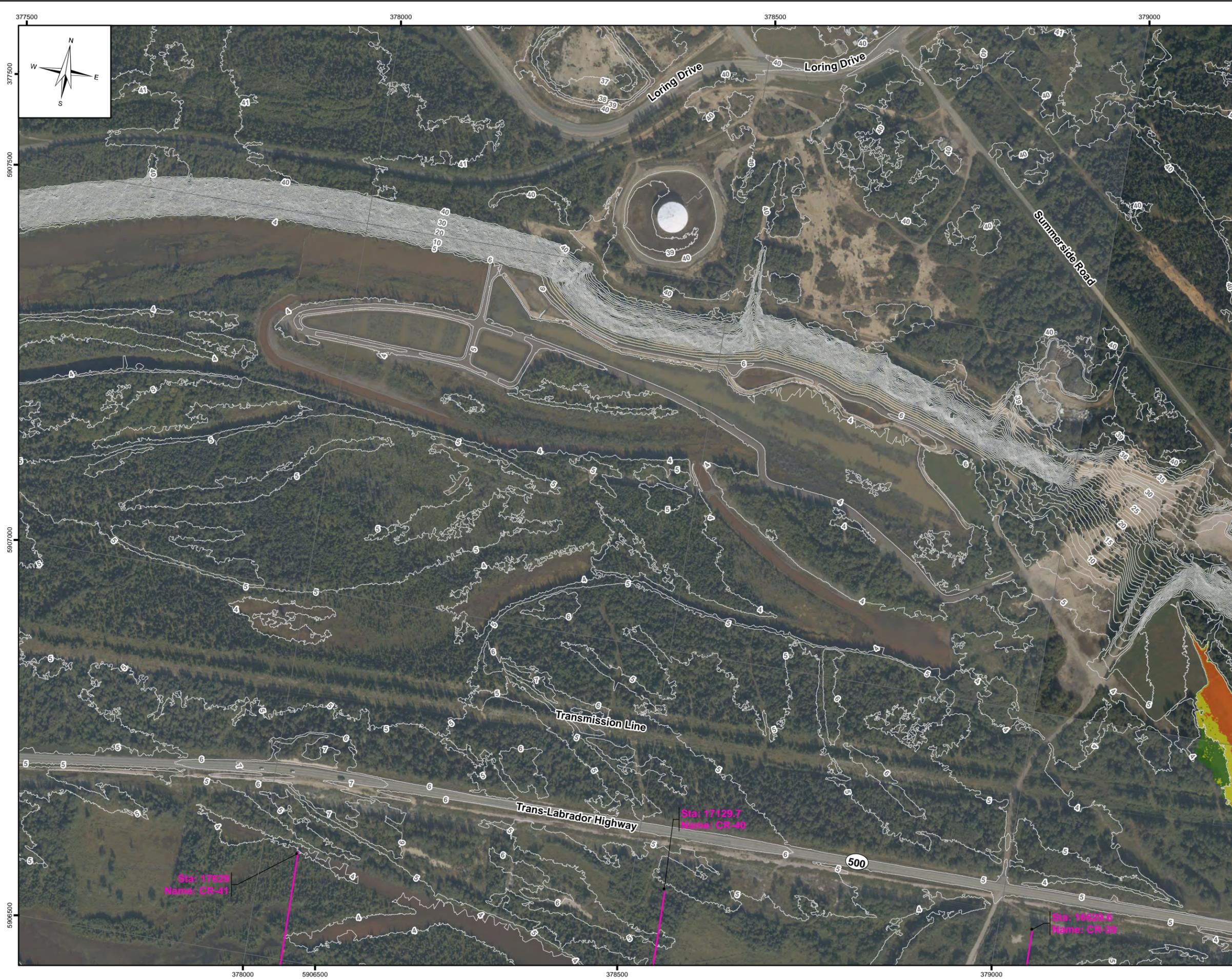
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-05

JUNE 2020	FIGURE 8.3	REV: 0
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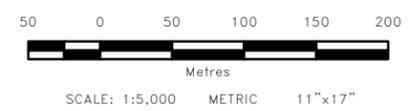


LEGEND:

- Sta: 23648 Name: CR-43
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

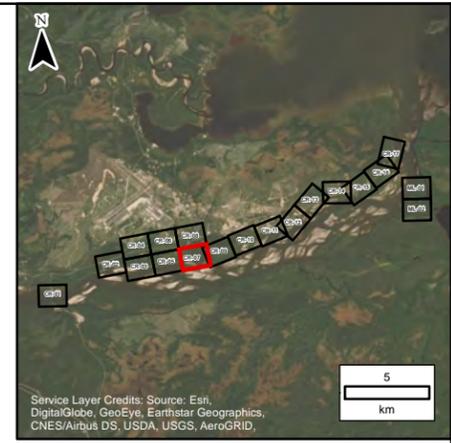
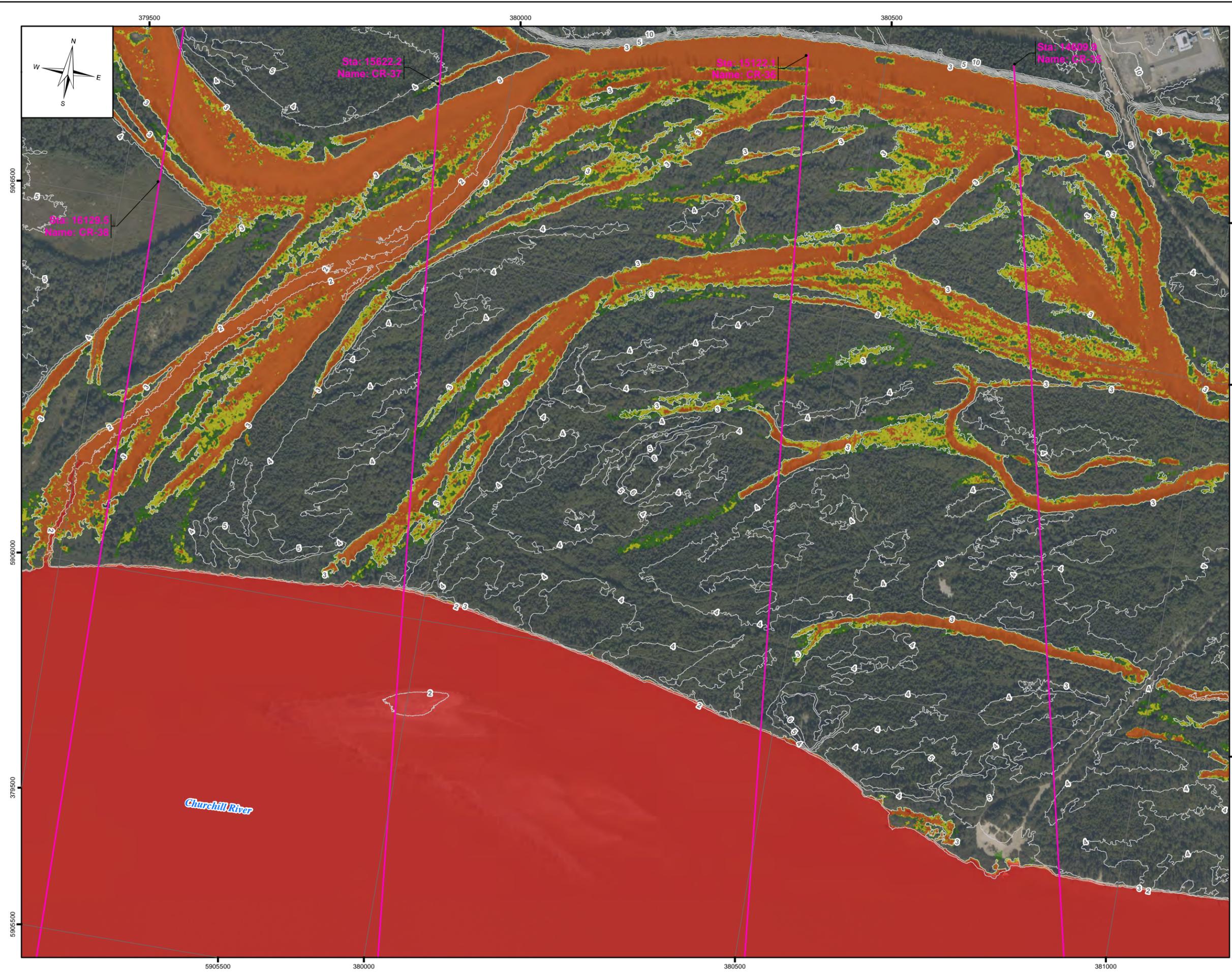
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-06

JUNE 2020	FIGURE 8.3	REV: 0
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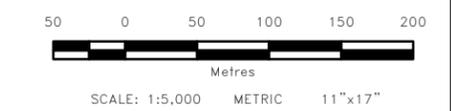


LEGEND:

- Sta: 2364.8 Name: CR-33
Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

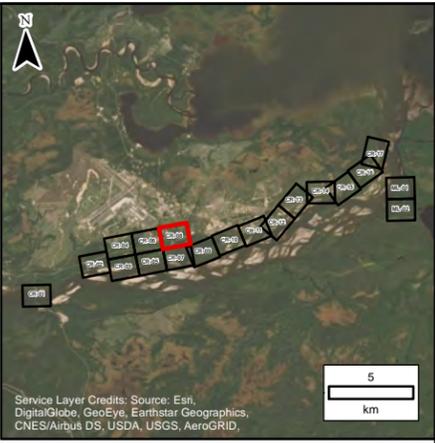
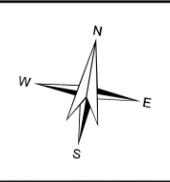
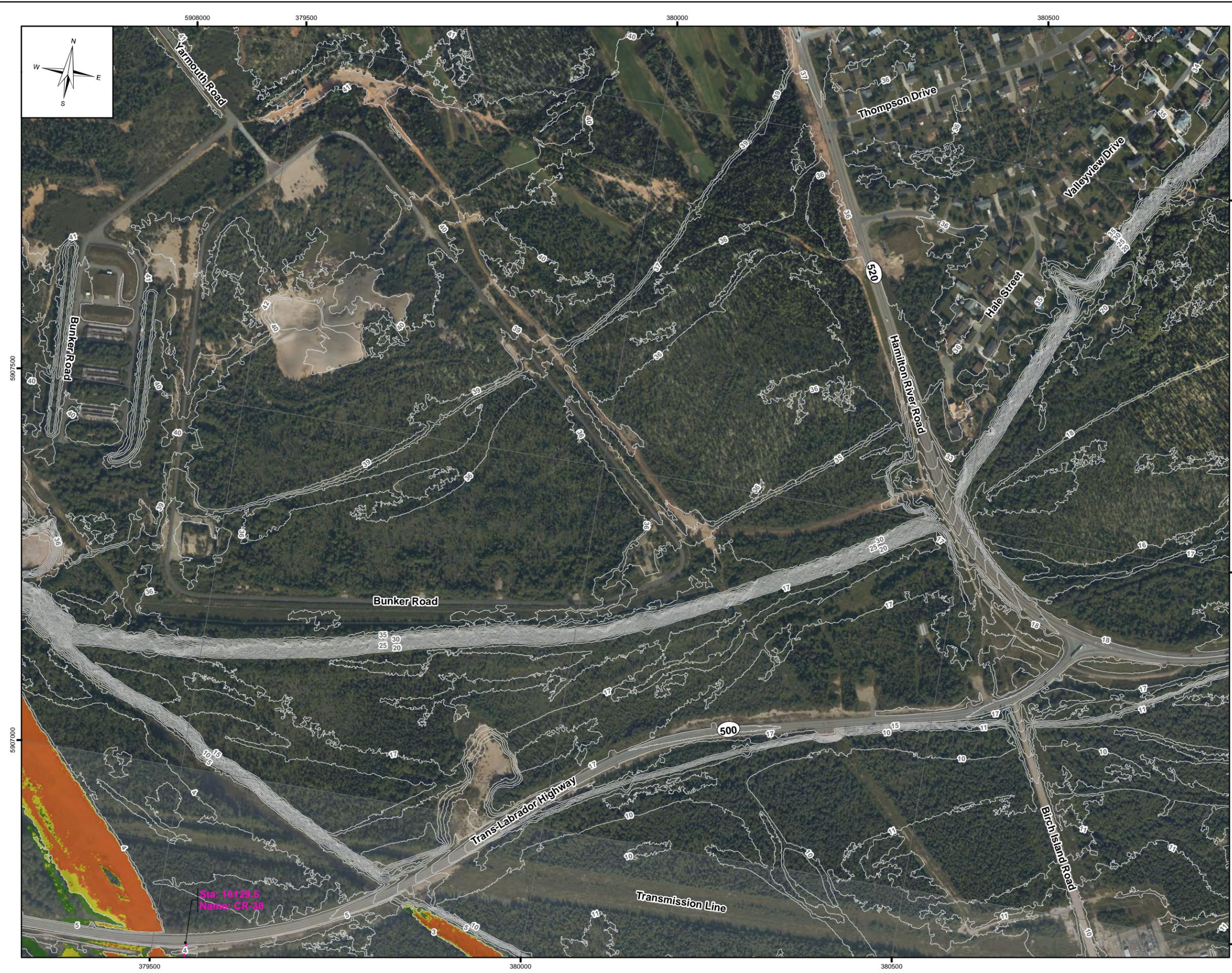
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD)
CONDITIONS - CR-07

JUNE 2020	FIGURE 8.3	REV: 0
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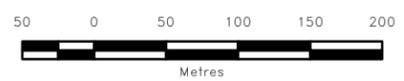


LEGEND:

- Sta: 23648 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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.



SCALE: 1:5,000 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).

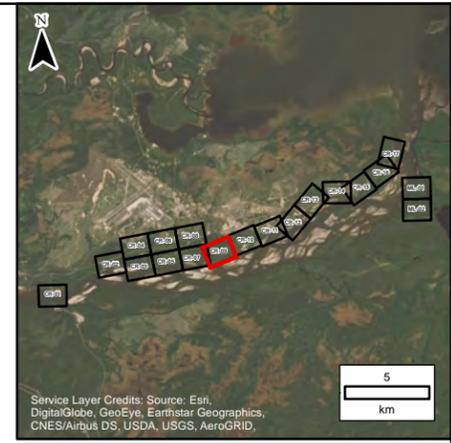
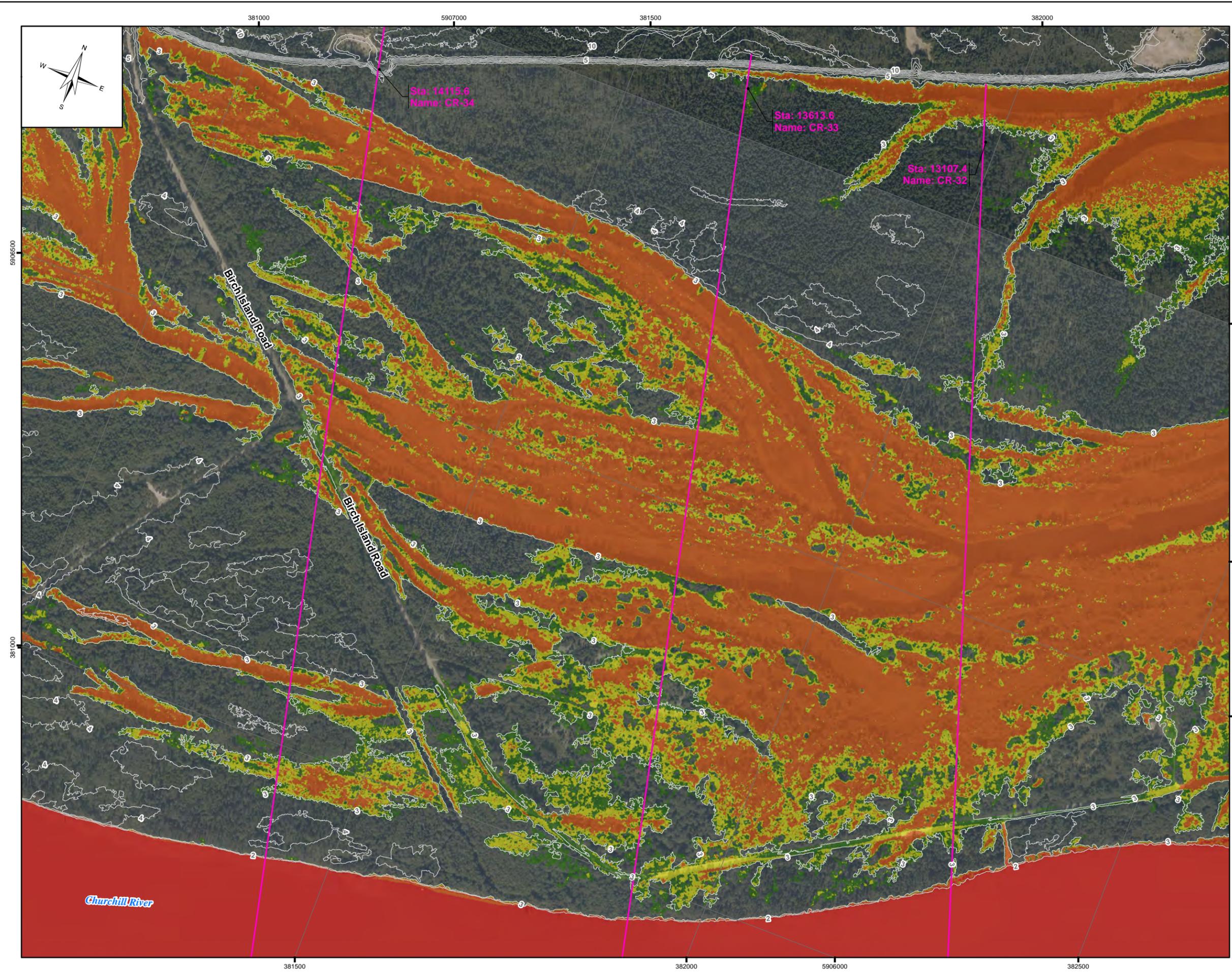
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
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REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-08

JUNE 2020	FIGURE 8.3	REV: 0
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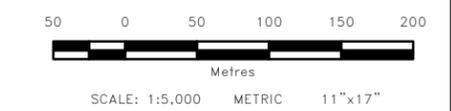


LEGEND:

- Sta: 2364.8 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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

REVISIONS / ISSUE

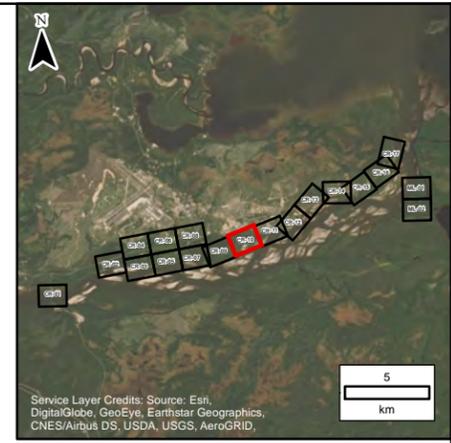
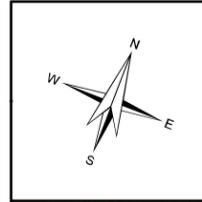
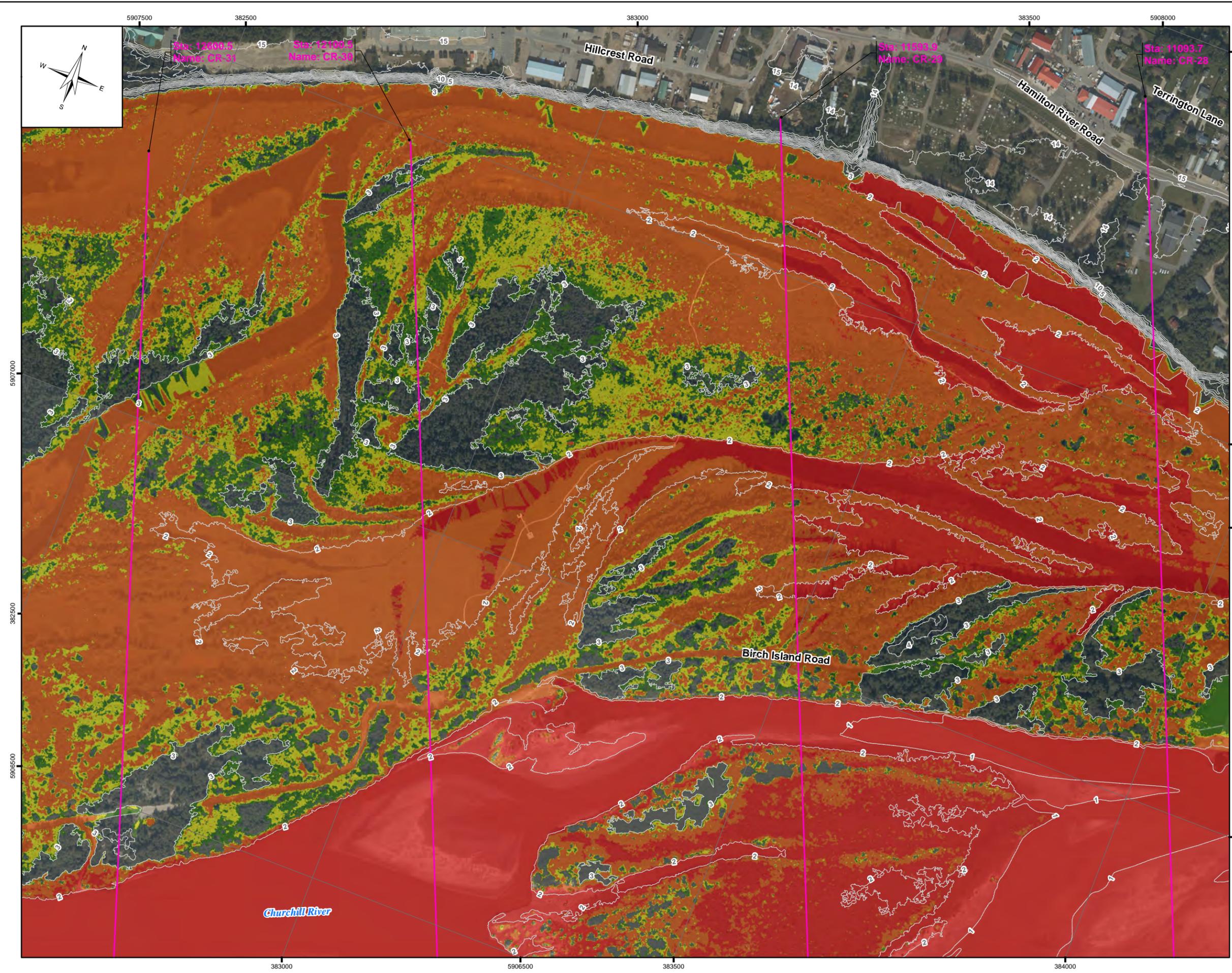
CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-09

JUNE 2020	FIGURE 8.3	REV: 0
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File Name: P:\Projects\2018\18-3217-001\Draw\GIS\MXD\Flood_Mapping\18-3217-001_Fig8.3_11x17.mxd
 11"x17" PLOT SCALE 1:1

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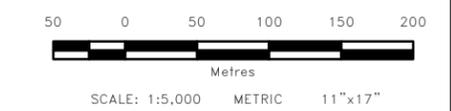


LEGEND:

- Sta: 2364.8 Name: CR-27
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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

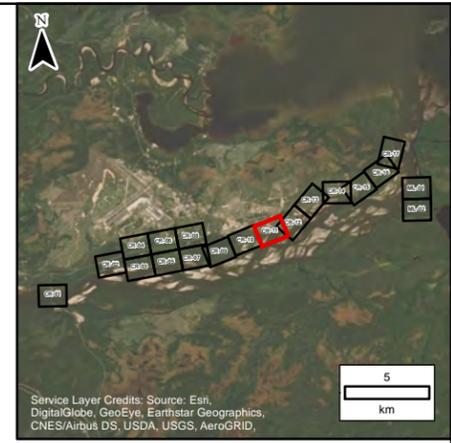
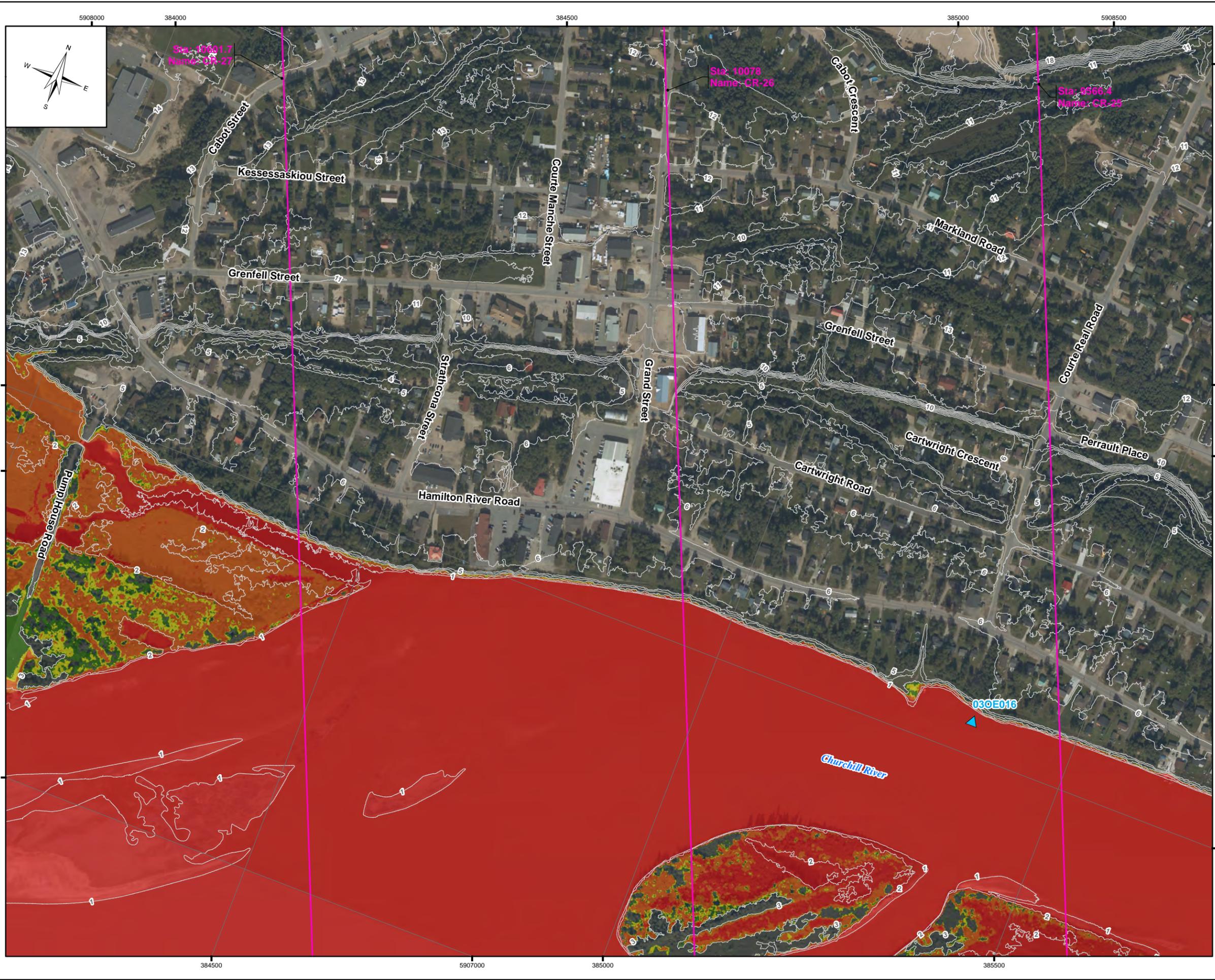
REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-10

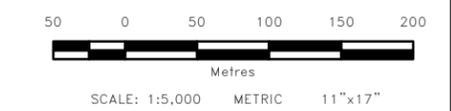
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File Name: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig8.3_11x17.mxd
 11"x17" PLOT SCALE 1:1



- LEGEND:**
- Sta: 2364.8 Name: CR-53
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - Low - Caution
 - Moderate - Danger for Some (Includes children, the elderly, and the infirm)
 - Significant - Danger for Most (Includes the general public)
 - Extreme - Danger for All (Includes the emergency services)

- 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.



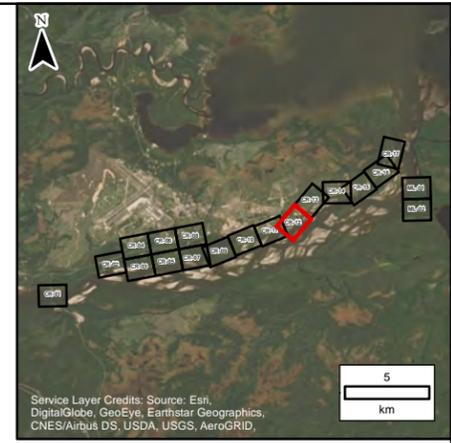
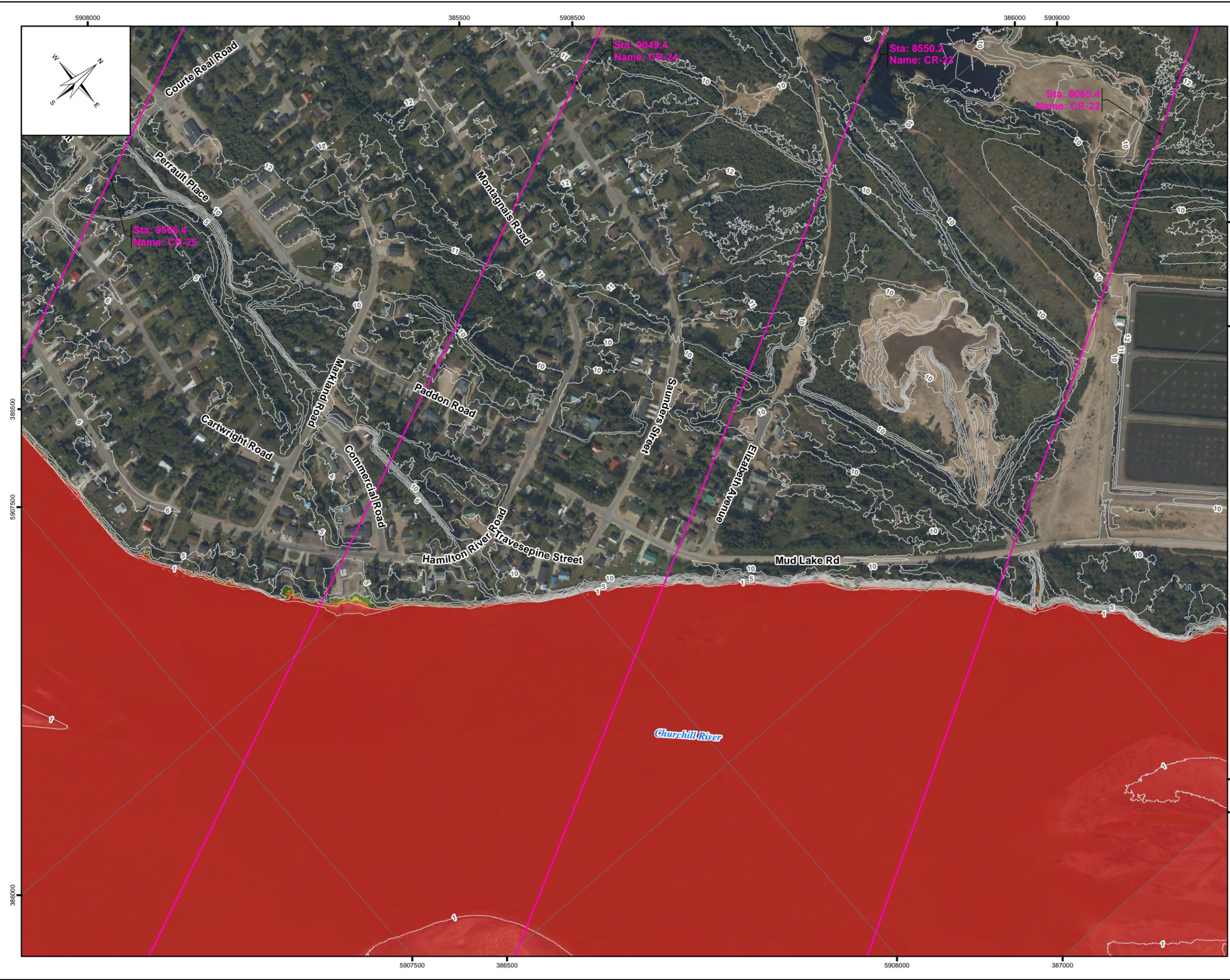
All units are metric and in metres unless otherwise specified.
 Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
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 11"x17" PLOT SCALE 1:1

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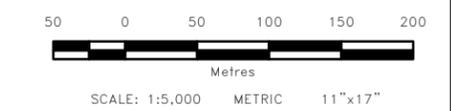


LEGEND:

- Sta: 2364.8 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

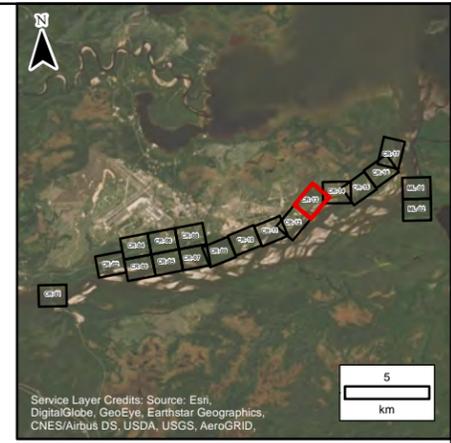
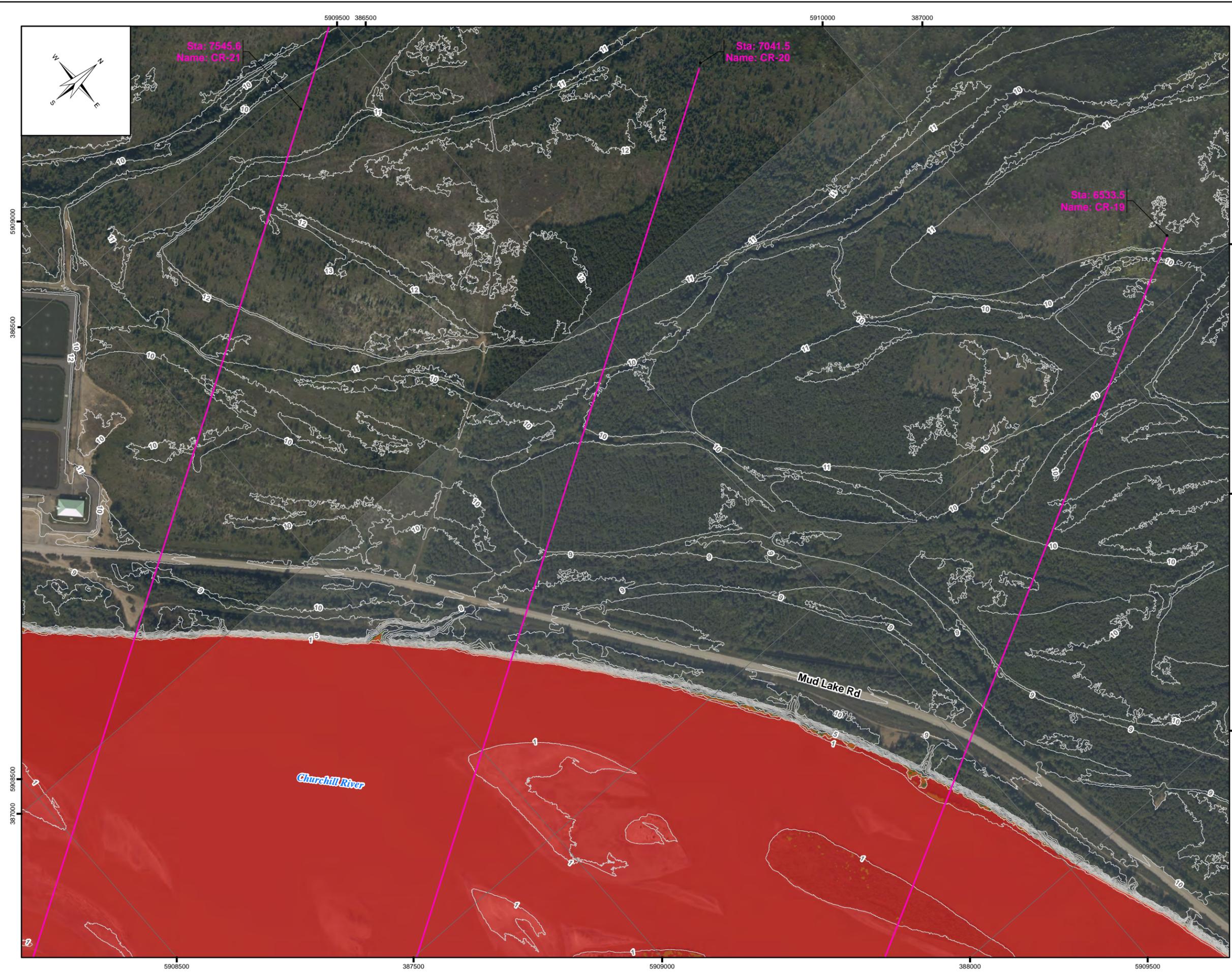
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-12

JUNE 2020	FIGURE 8.3	REV: 0
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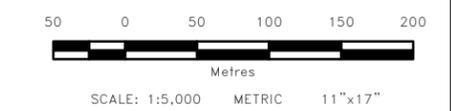


LEGEND:

- Sta: 2364.8 Name: CR-19
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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.



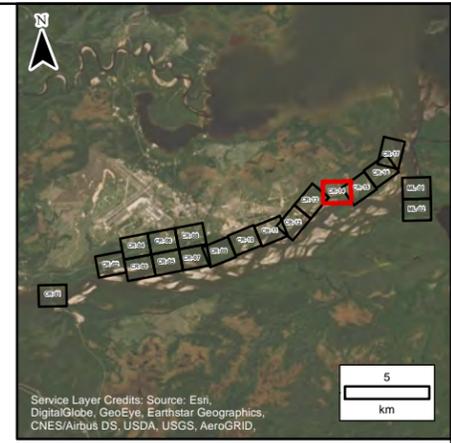
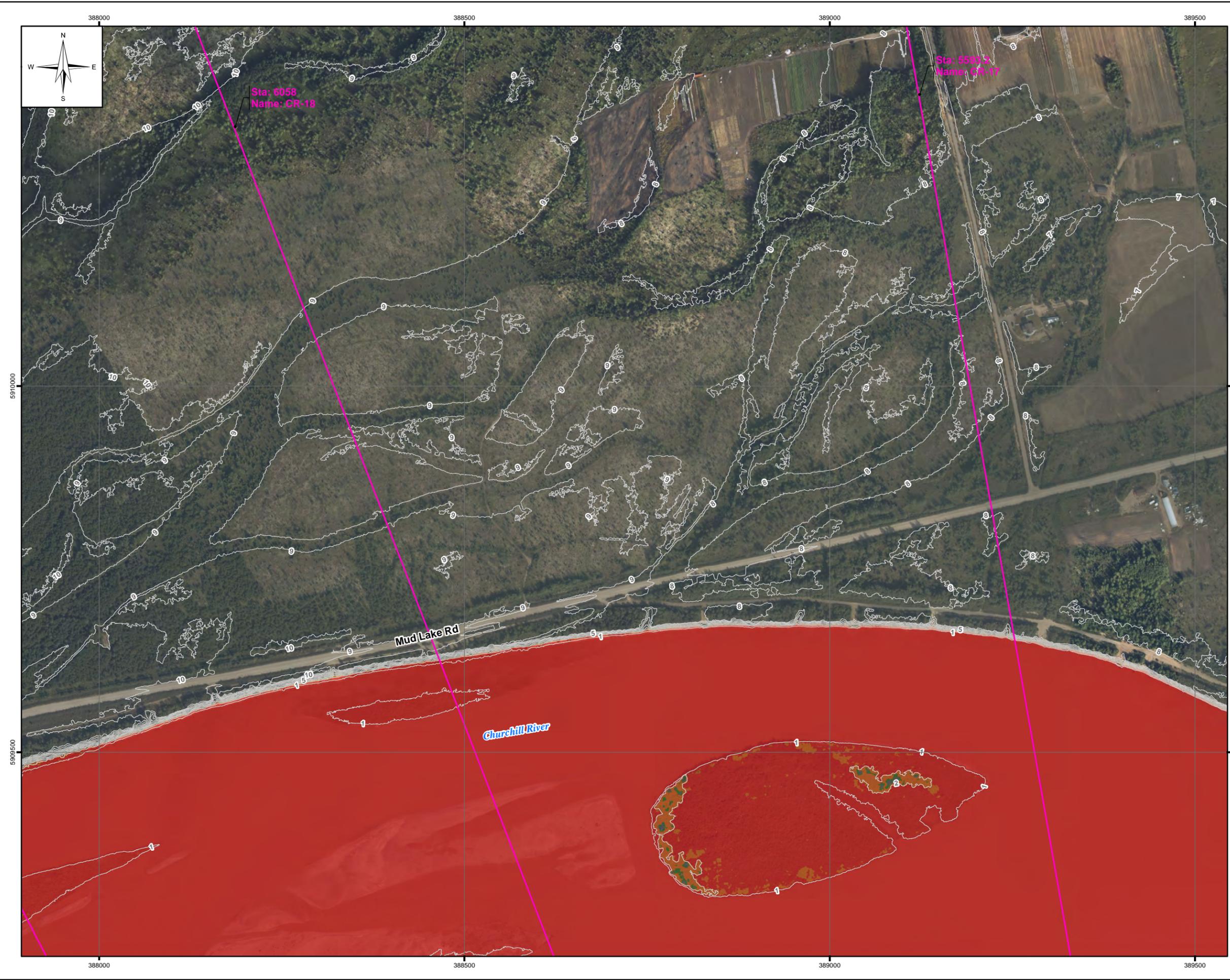
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-13

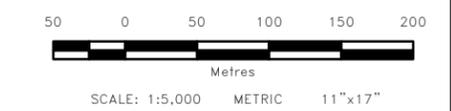


LEGEND:

- Sta: 2364 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

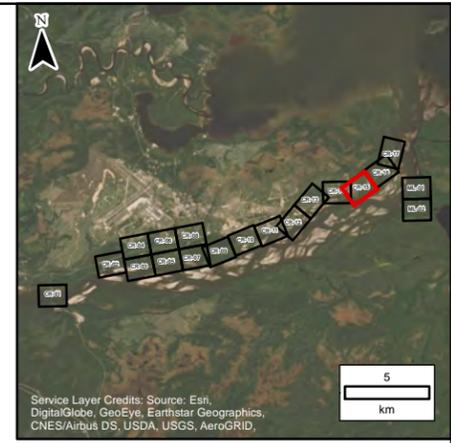
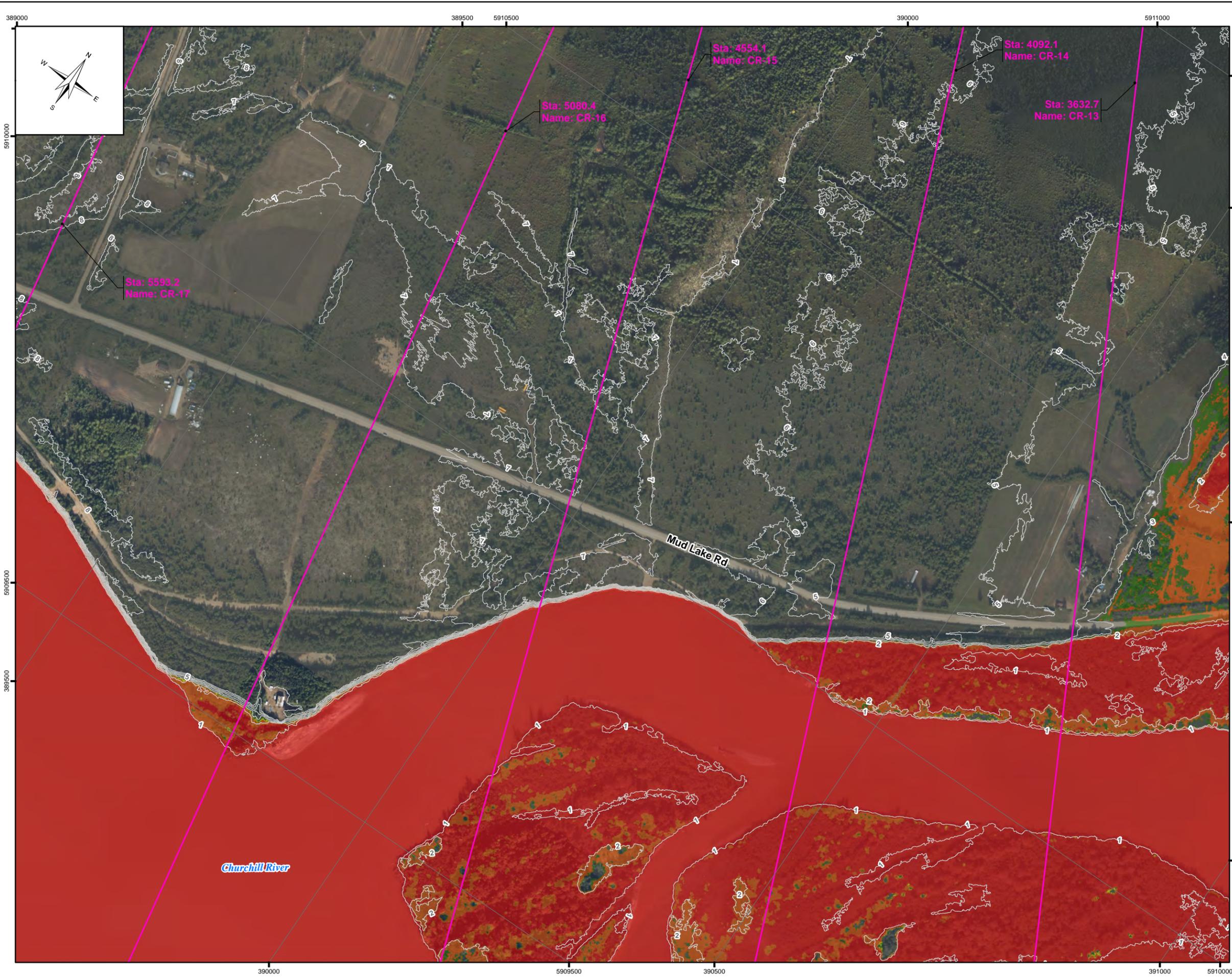
NO.	DATE	DESCRIPTION	ISSUED BY	CHECKED BY
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REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD)
CONDITIONS - CR-14

JUNE 2020	FIGURE 8.3	REV: 0
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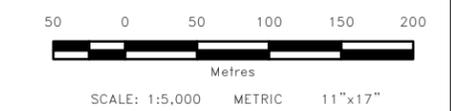


LEGEND:

- Sta: 2364.8 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

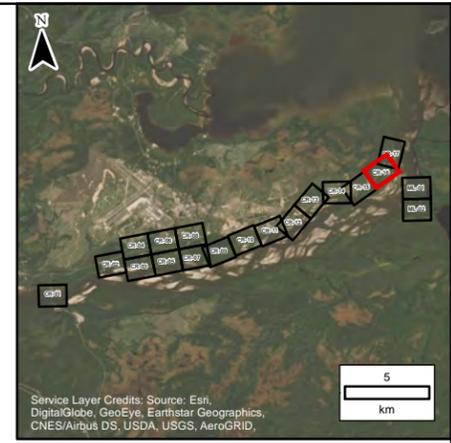
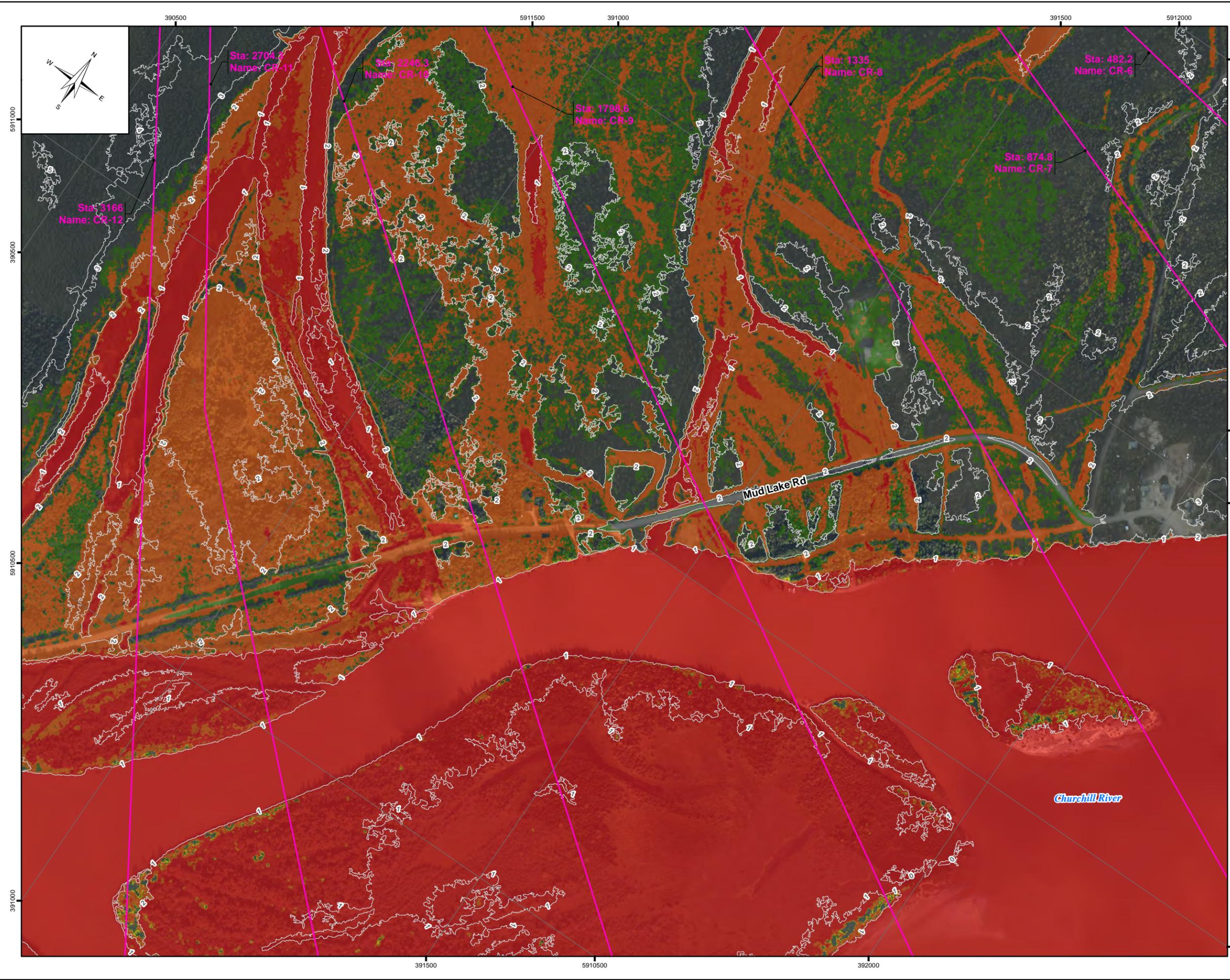
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-15

JUNE 2020	FIGURE 8.3	REV: 0
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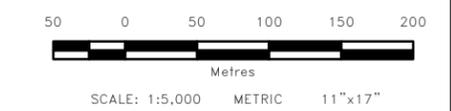


LEGEND:

- Sta: 2364.8 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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.



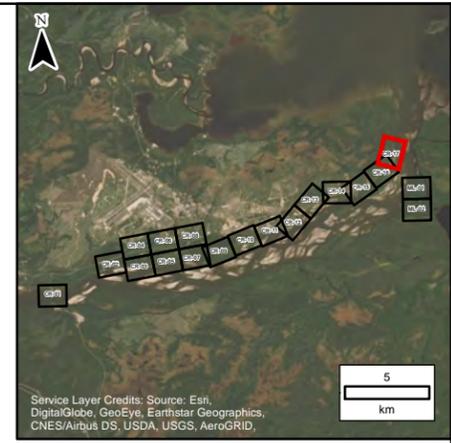
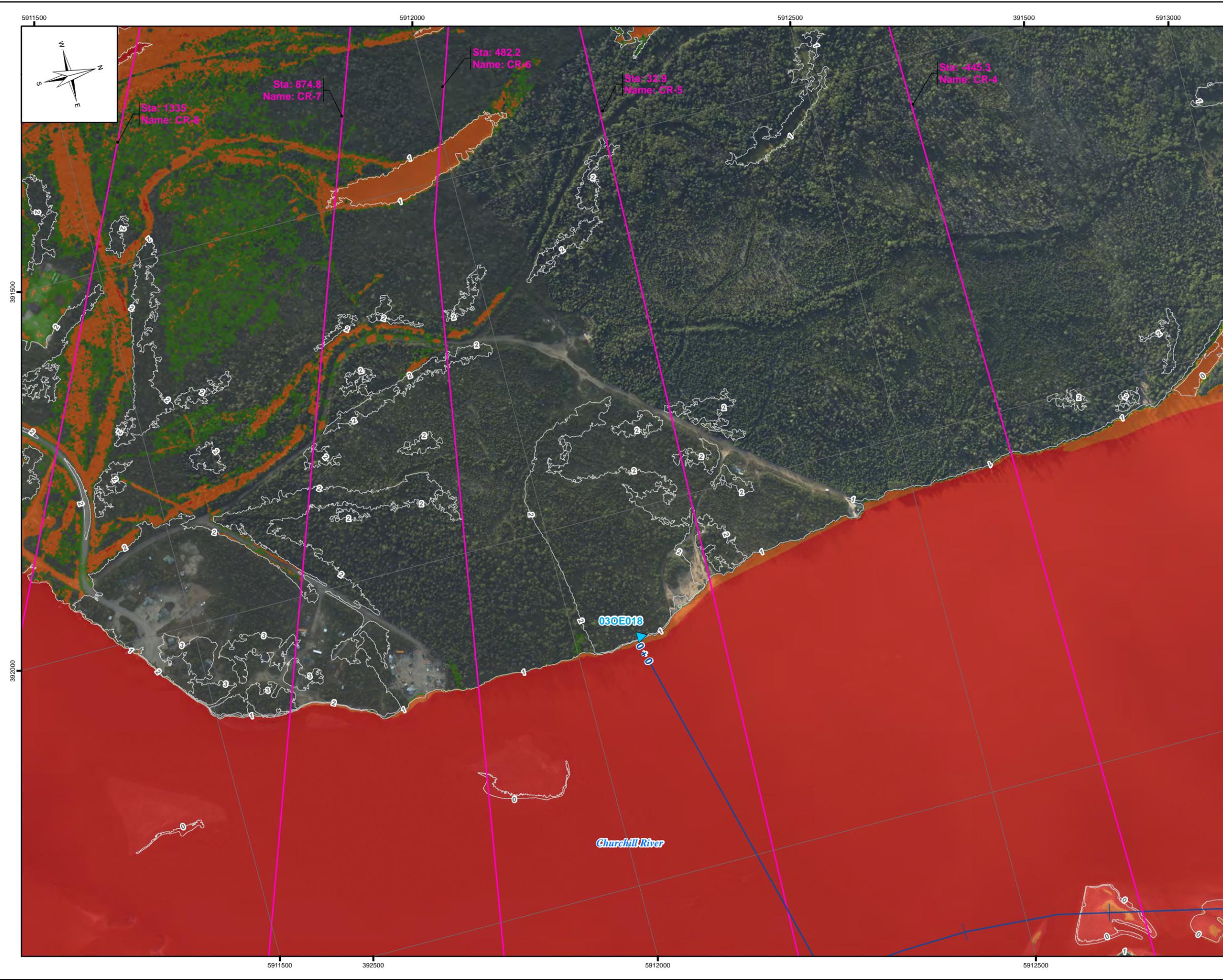
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-16

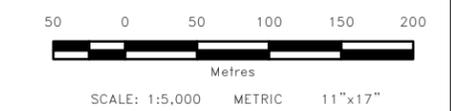


LEGEND:

- Sta: 2364.8 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

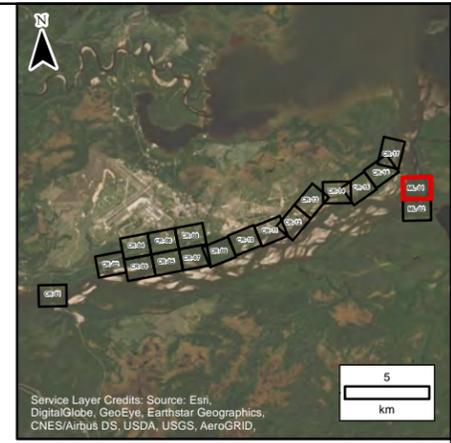
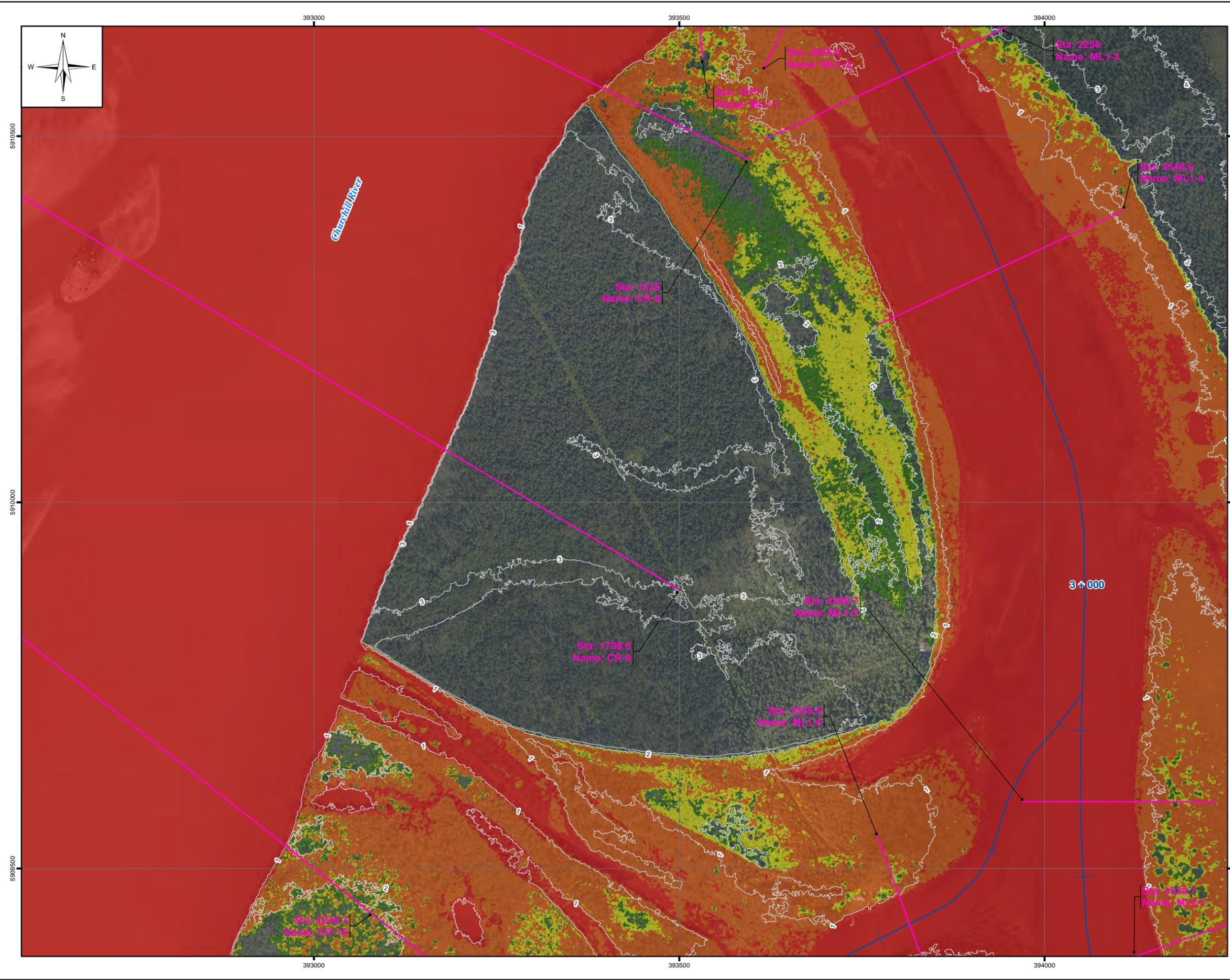
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-17

JUNE 2020	FIGURE 8.3	REV: 0
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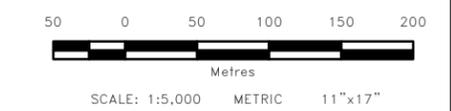


LEGEND:

- Sta: 2364.8 Name: CR-53 Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

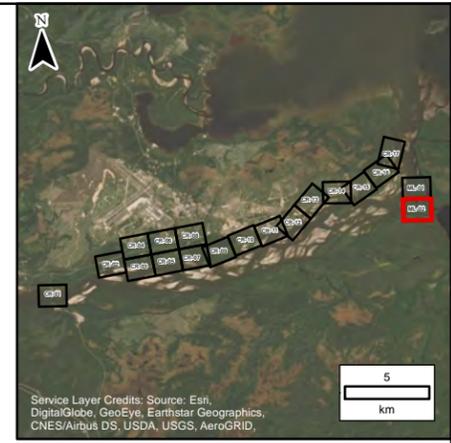
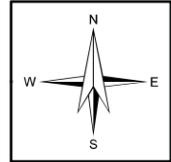
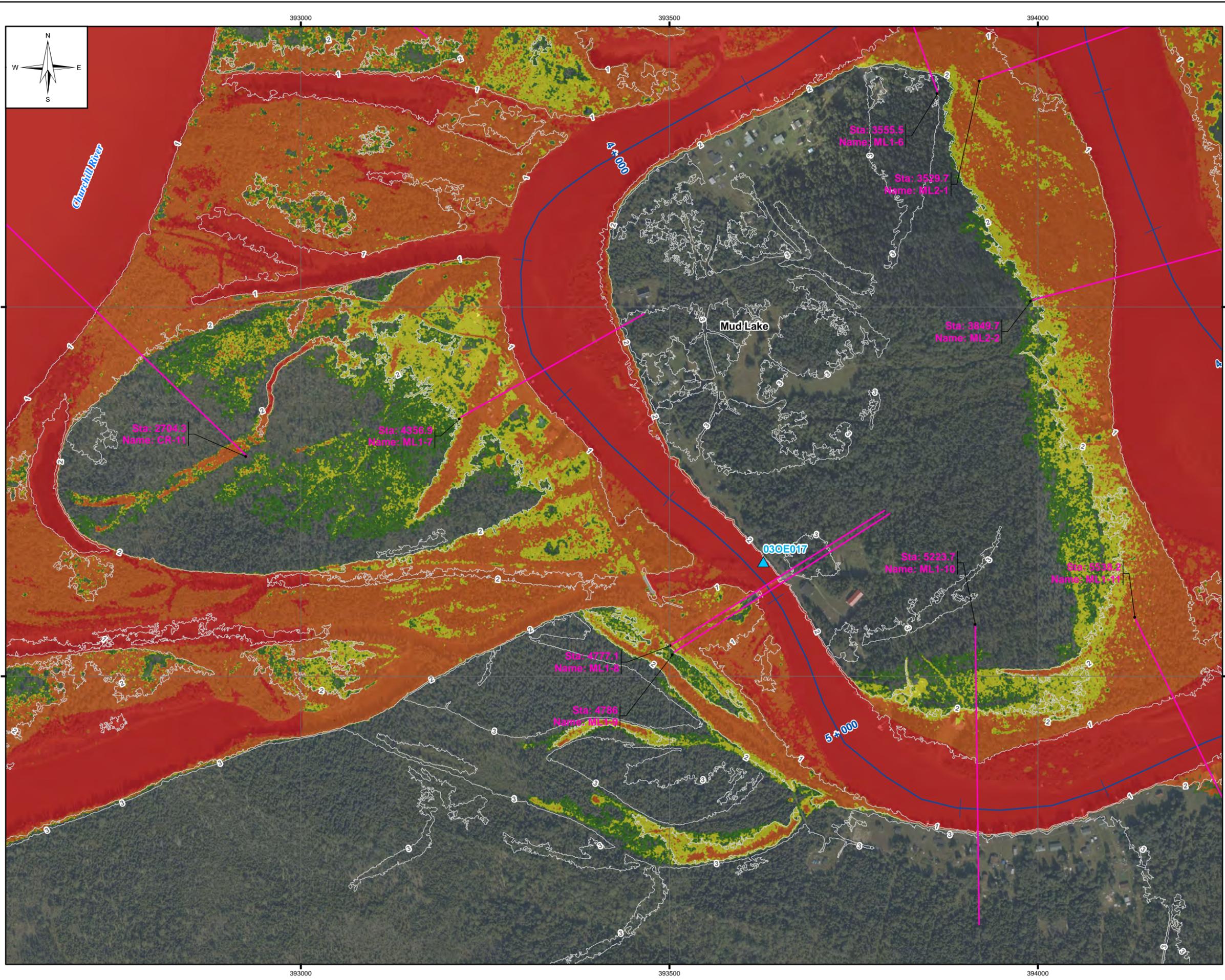
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - ML-01

JUNE 2020	FIGURE 8.3	REV: 0
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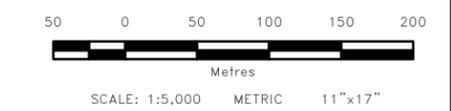


LEGEND:

- Sta: 2364.8
Name: CR-53
Cross Section
- Water Survey of Canada
Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some
(Includes children, the elderly,
and the infirm)
- Significant - Danger for Most
(Includes the general public)
- Extreme - Danger for All
(Includes the emergency services)

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.



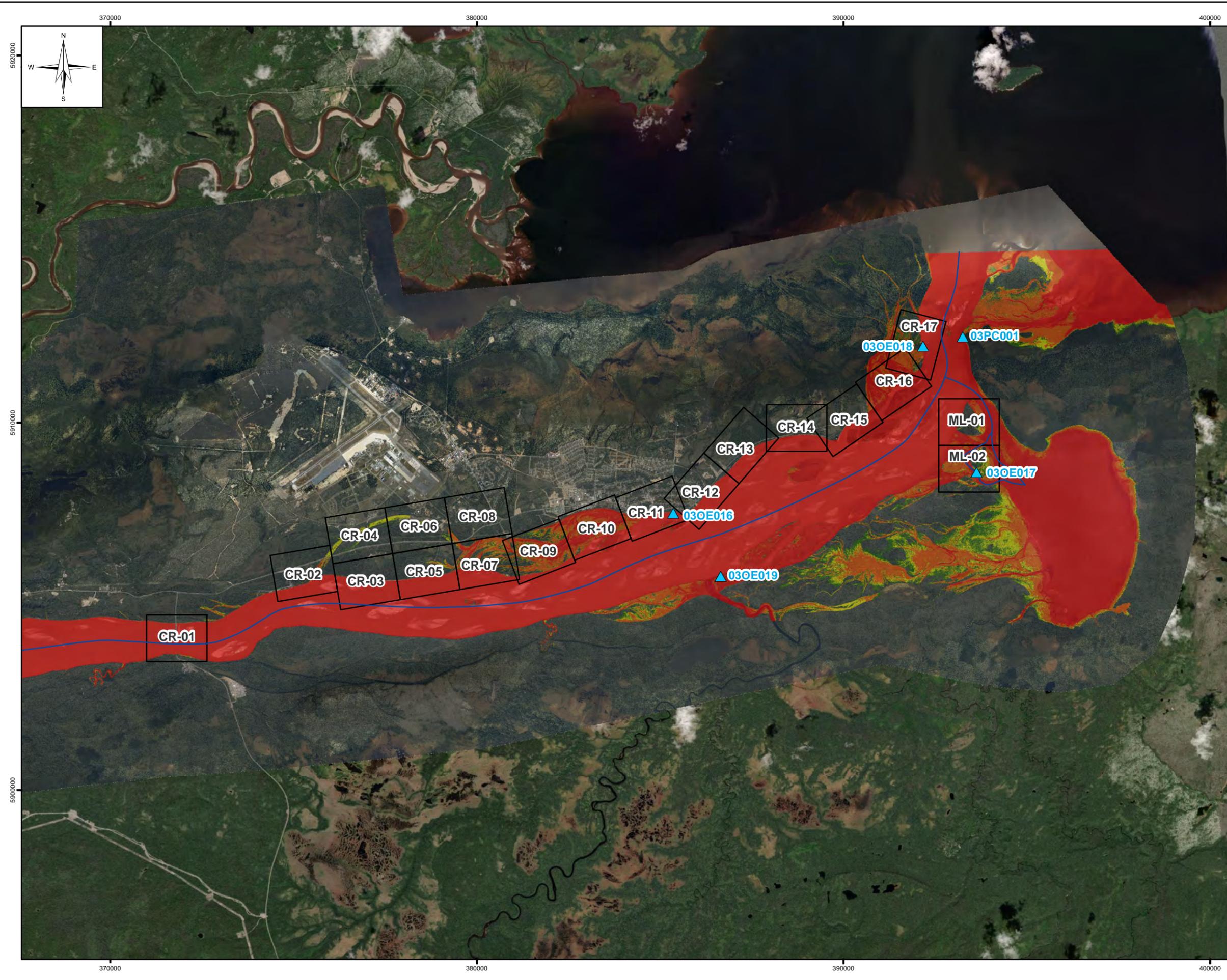
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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

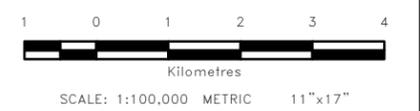
ICE AFFECTED 1:20 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - ML-02



LEGEND:

- Water Survey of Canada Gauge Location
- River Centreline
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)
- 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).

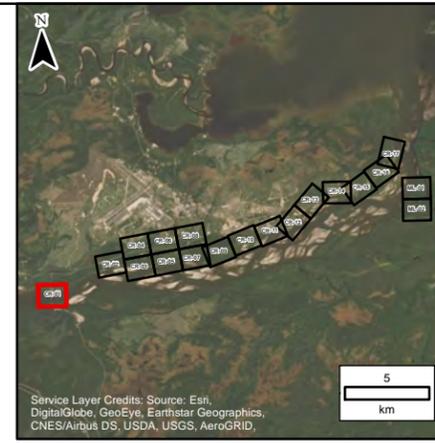
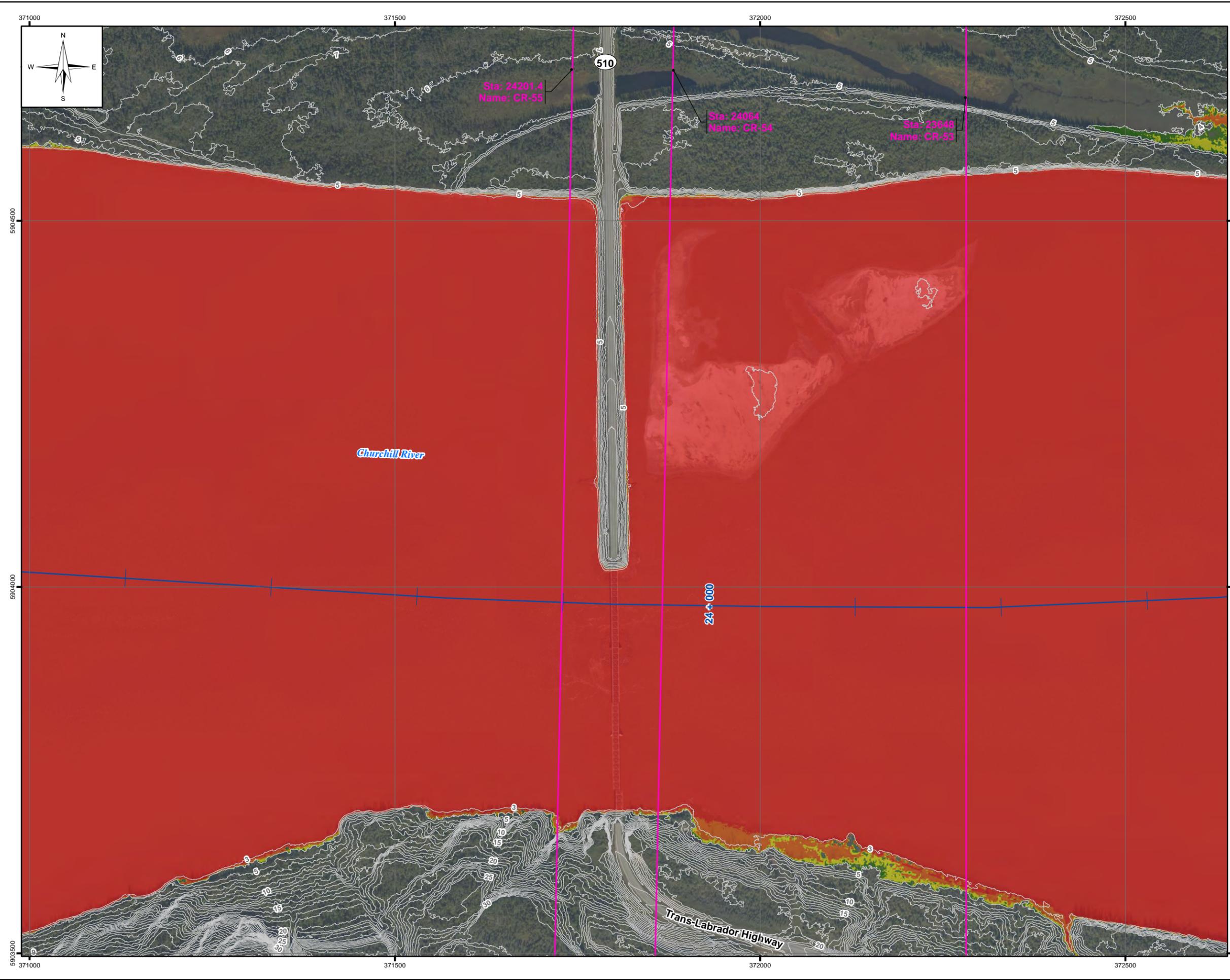
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REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

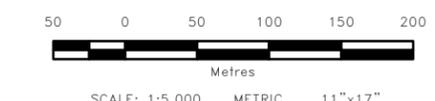
ICE-AFFECTED 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - OVERVIEW MAP

JUNE 2020	FIGURE 8.4	REV: 0
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- LEGEND:**
- Sta: 23648 Name: CR-53
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - Low - Caution
 - Moderate - Danger for Some (Includes children, the elderly, and the infirm)
 - Significant - Danger for Most (Includes the general public)
 - Extreme - Danger for All (Includes the emergency services)

- 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.



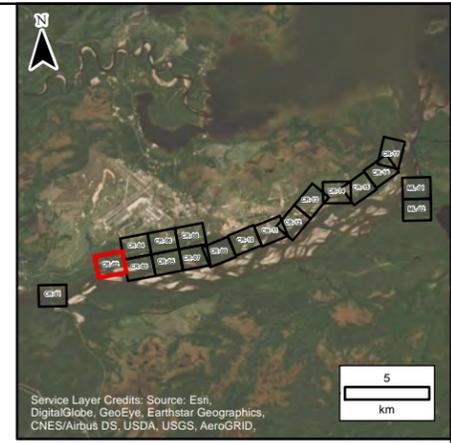
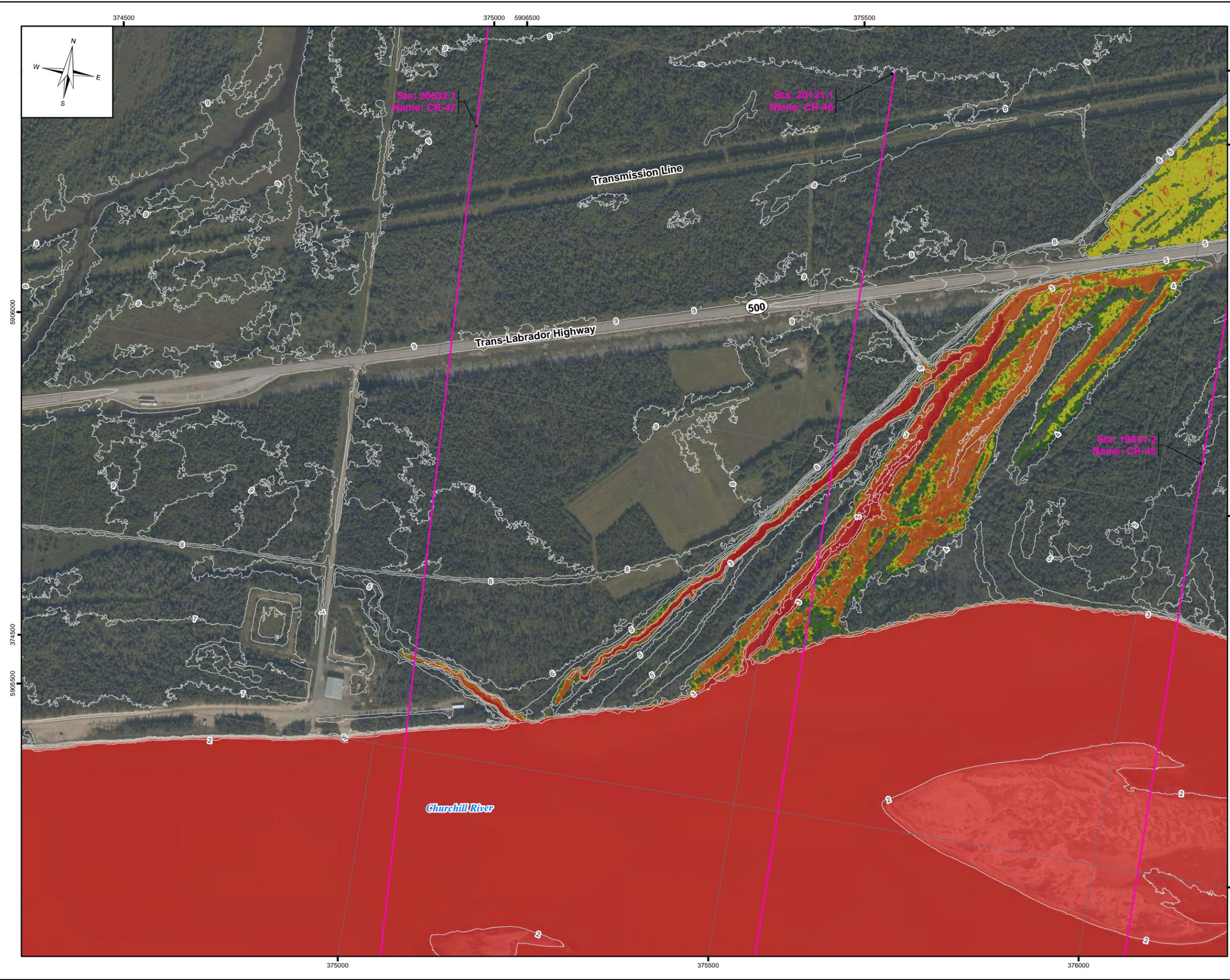
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-01

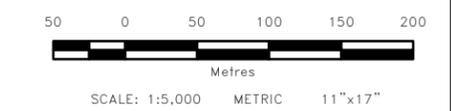


LEGEND:

- Sta: 20632.1 Name: CR-47
- Sta: 20131.1 Name: CR-46
- Sta: 19631.2 Name: CR-45
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

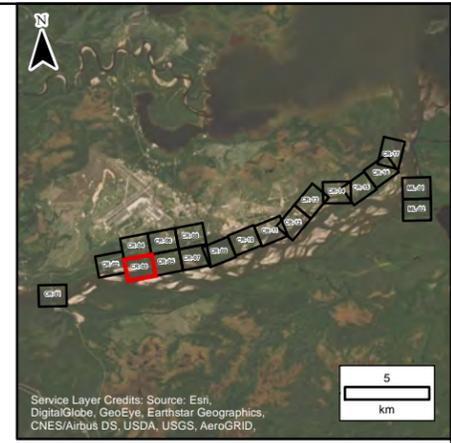
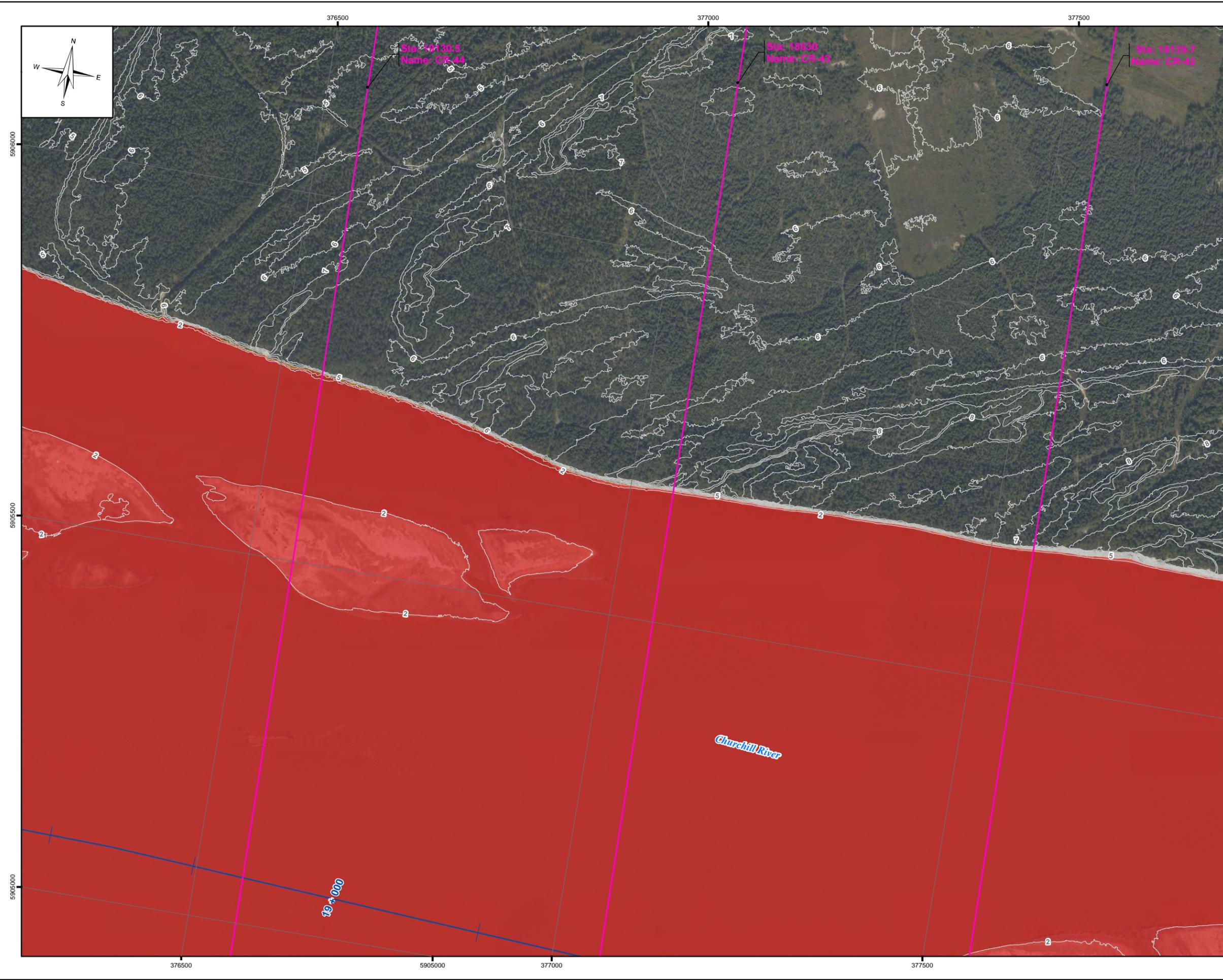
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

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CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-02

JUNE 2020	FIGURE 8.4	REV: 0
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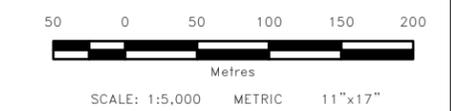


LEGEND:

- Sta: 23648 Name: CR-43
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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.

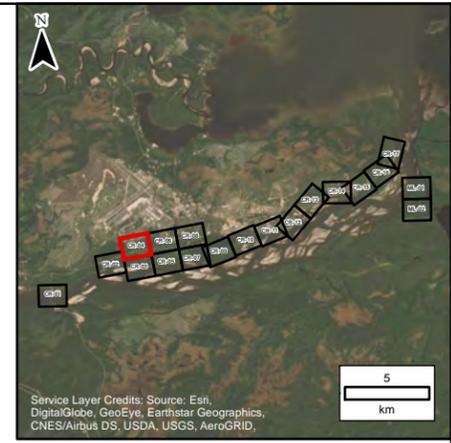
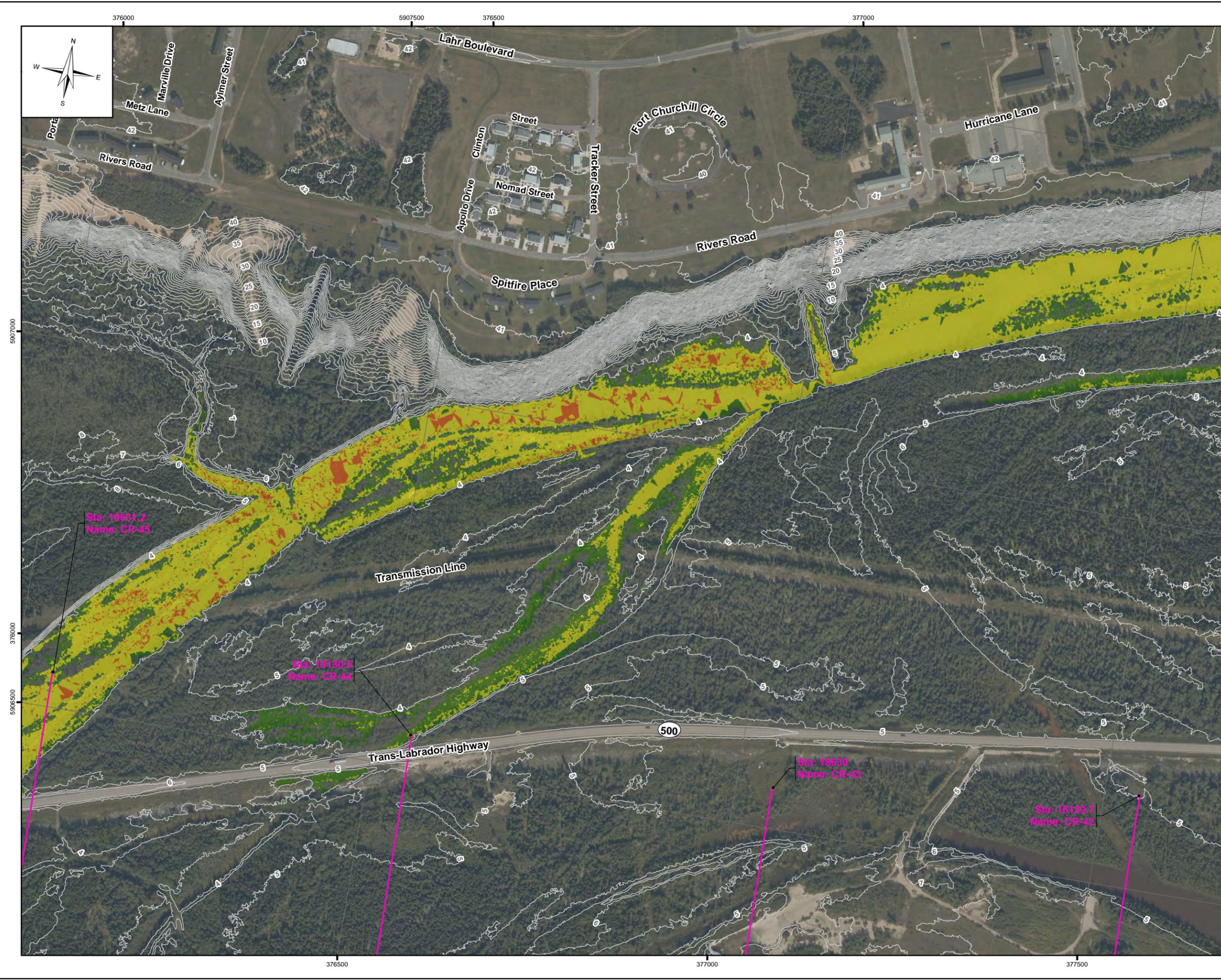


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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

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CHURCHILL RIVER FLOOD RISK AND FORECASTING	
ICE AFFECTED 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-03	
JUNE 2020	FIGURE 8.4
	REV: 0

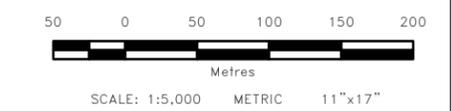


LEGEND:

- Sta: 23648 Name: CR-43
Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

NOTES:

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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).

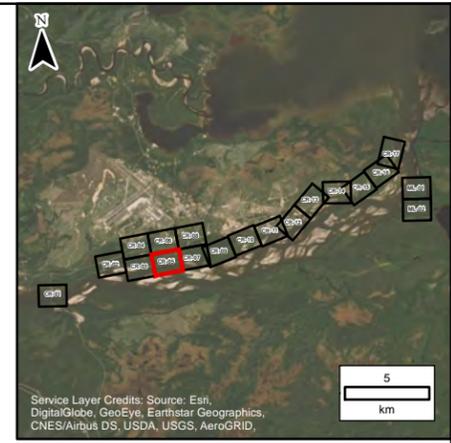
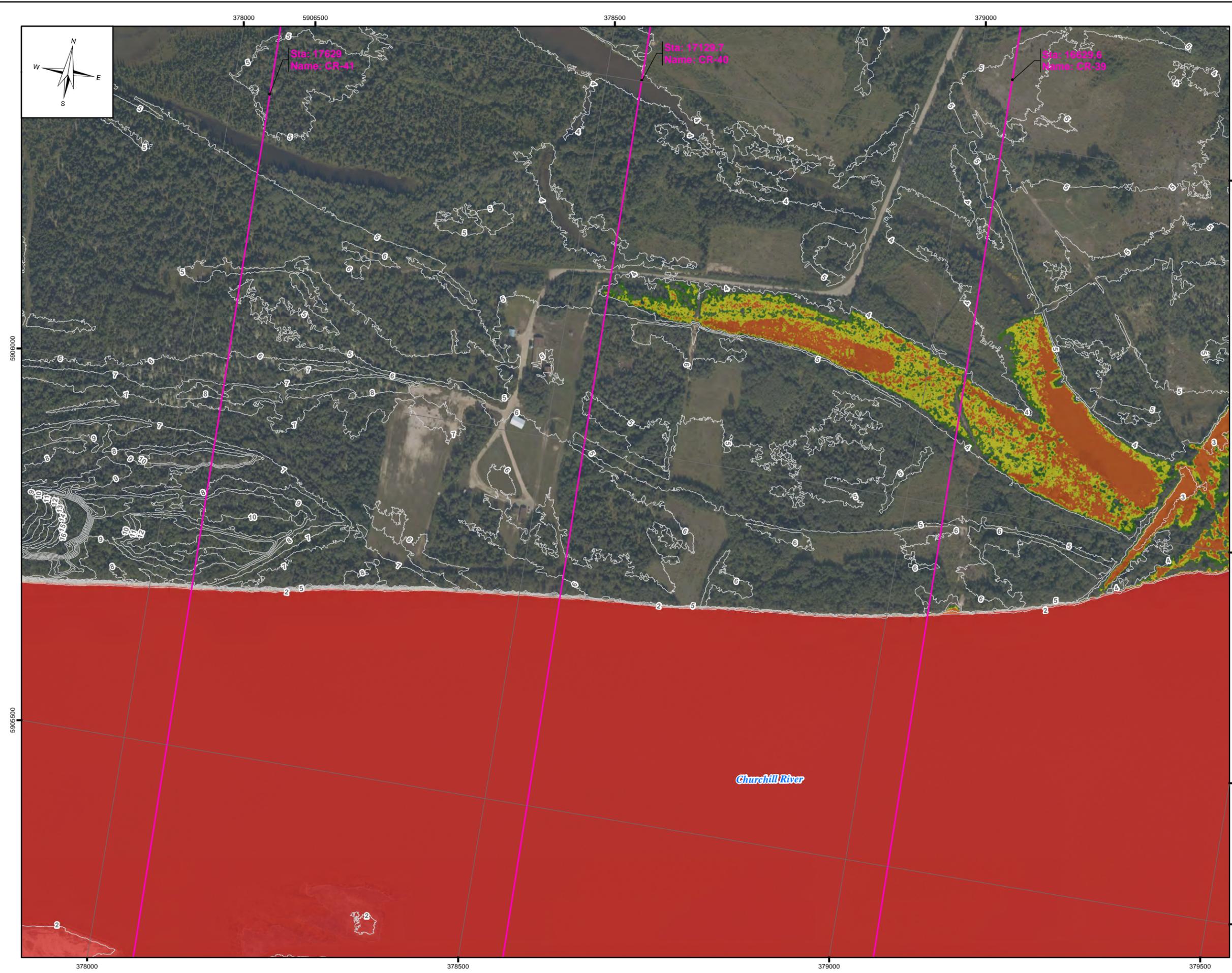
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

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CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-04

JUNE 2020	FIGURE 8.4	REV: 0
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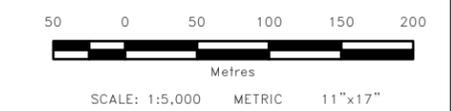


LEGEND:

- Sta: 2364.8 Name: CR-43
Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

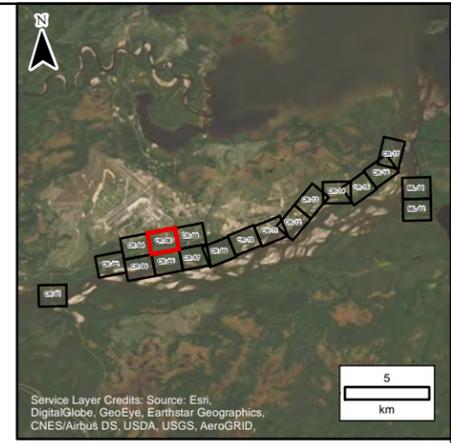
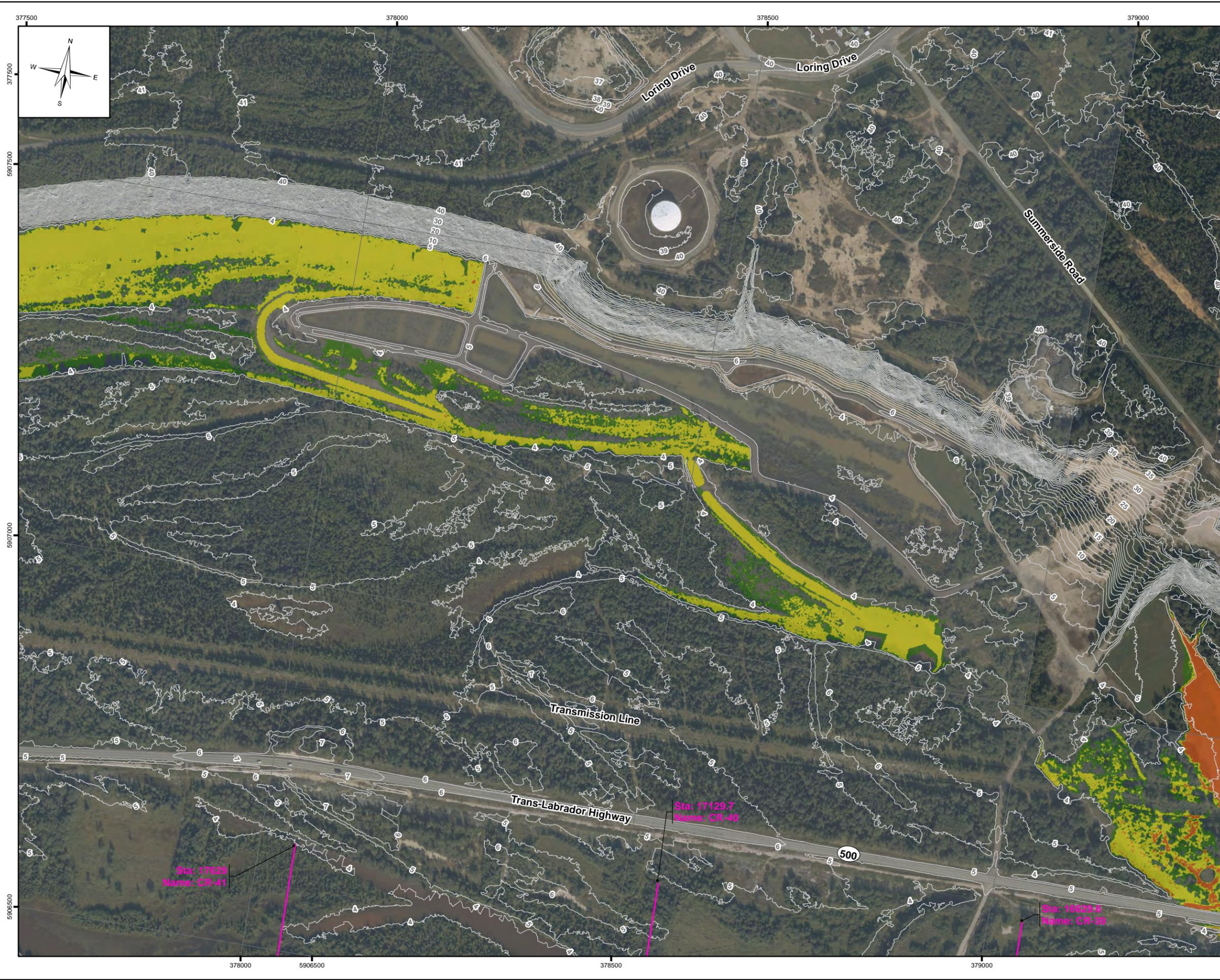
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CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD)
CONDITIONS - CR-05

JUNE 2020	FIGURE 8.4	REV: 0
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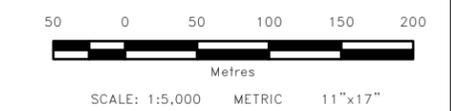


LEGEND:

- Sta: 23648 Name: CR-43
Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

NOTES:

1. Imagery is supplied by ATLIS Geomatics and dated as 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).

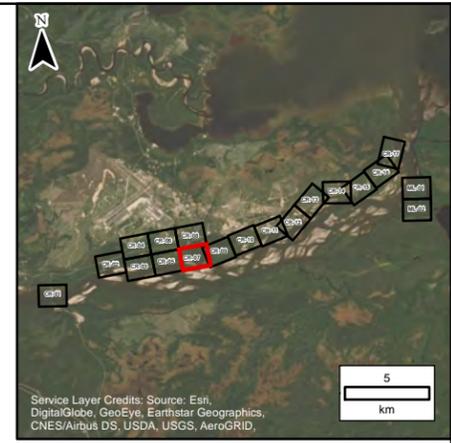
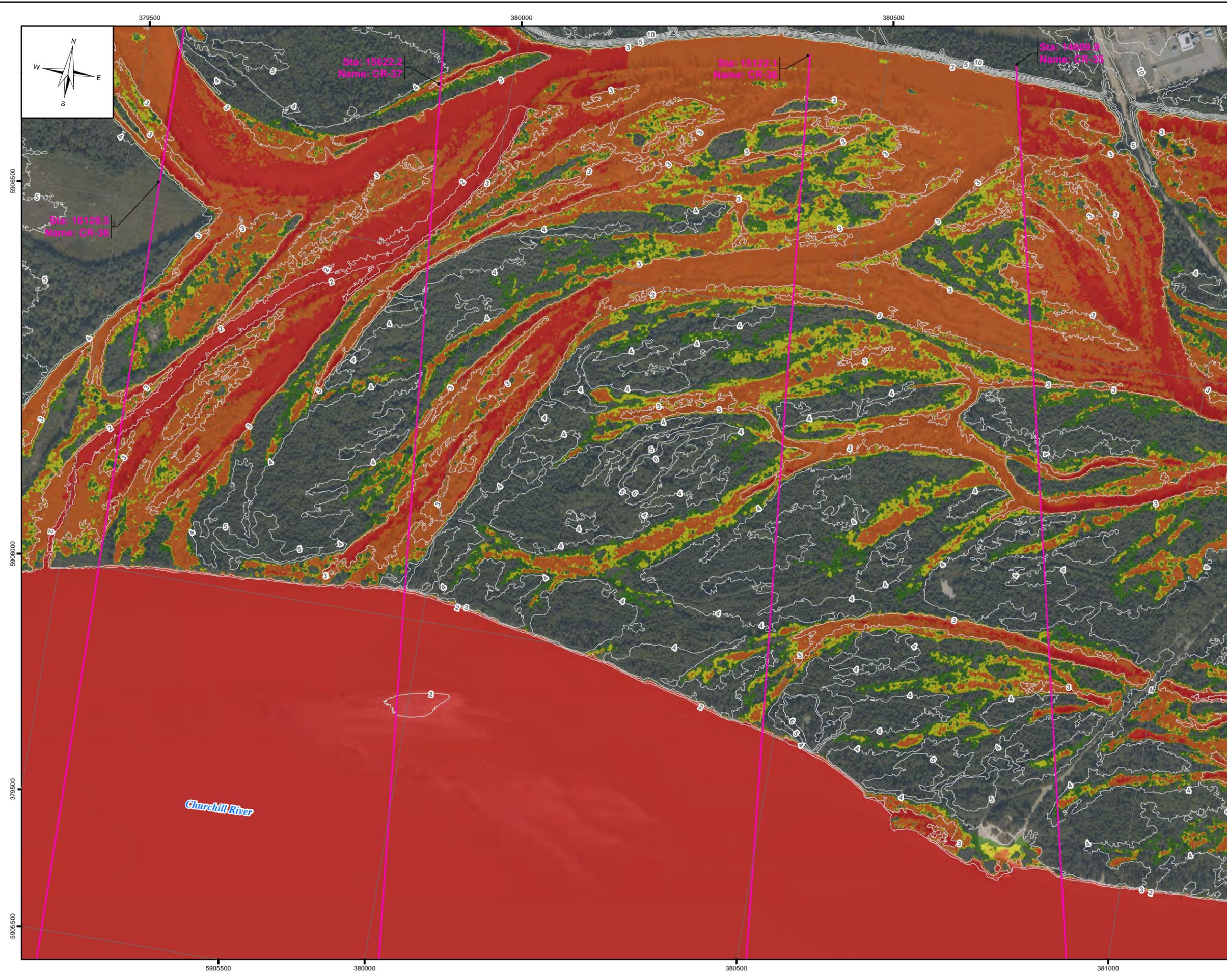
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CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-06

JUNE 2020	FIGURE 8.4	REV: 0
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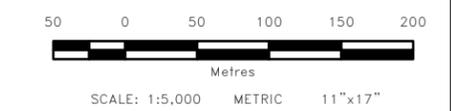


LEGEND:

- Sta: 23648 Name: CR-33
Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

NOTES:

1. Imagery is supplied by AT LIS Geomatics and dated as September 11 - 13, 2019.
2. Topography shown was developed by KGS Group from the LIDAR captured by AT LIS Geomatics on September 11 - 13, 2019.



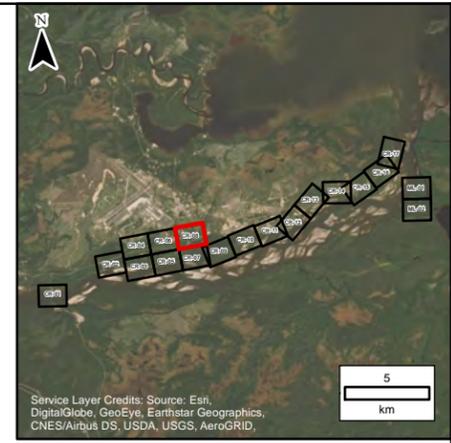
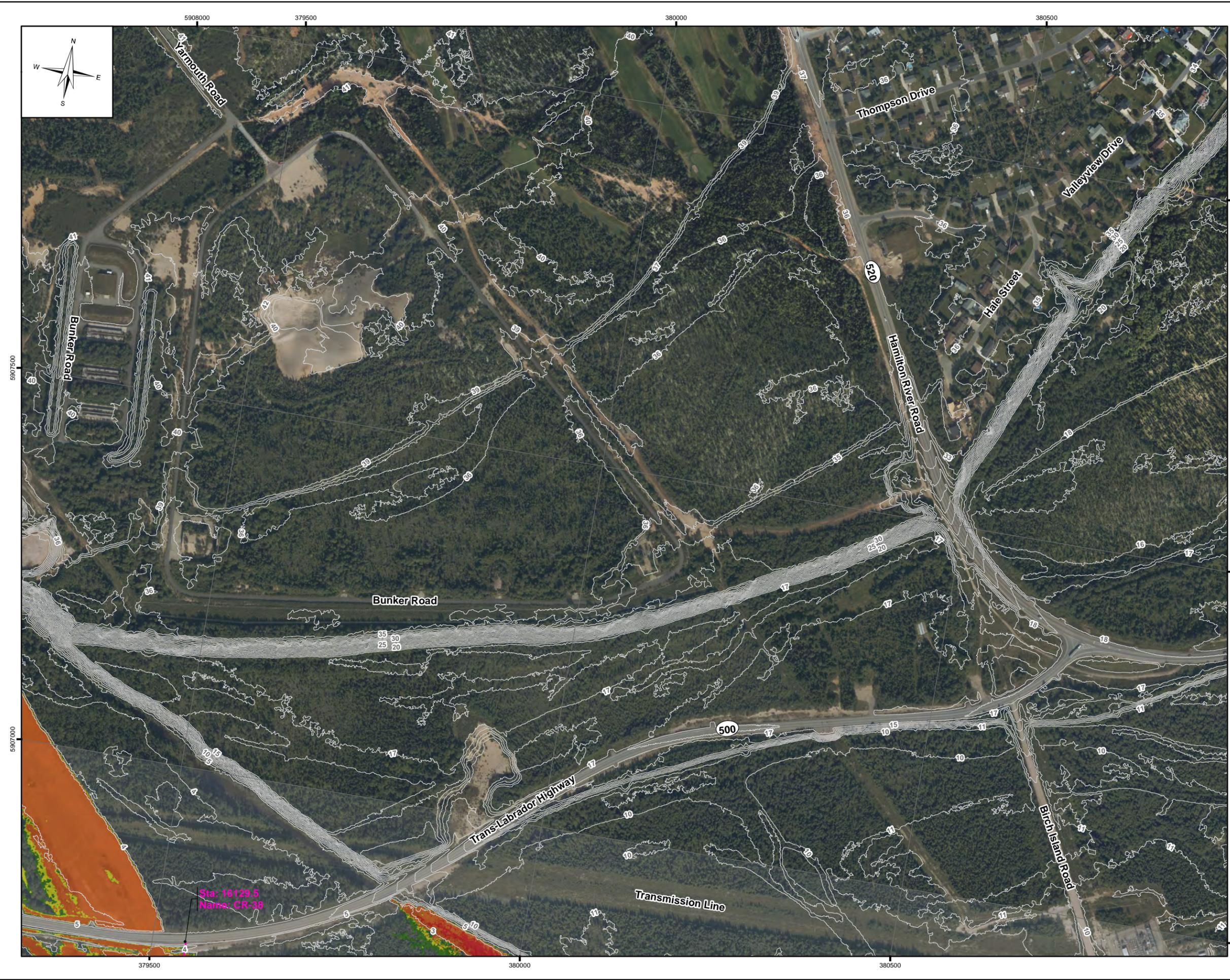
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD)
CONDITIONS - CR-07

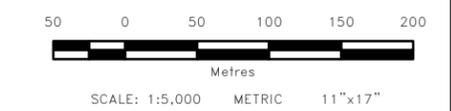


LEGEND:

- Sta: 23648 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

NOTES:

1. Imagery is supplied by ATGIS Geomatics and dated as 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).

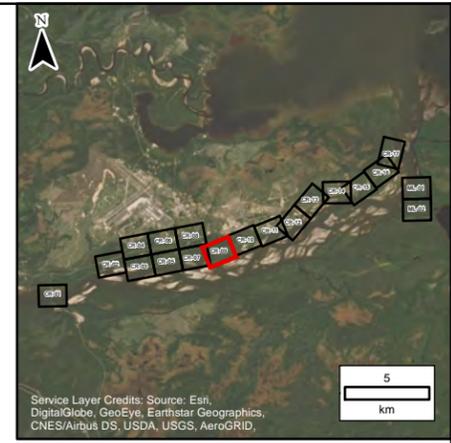
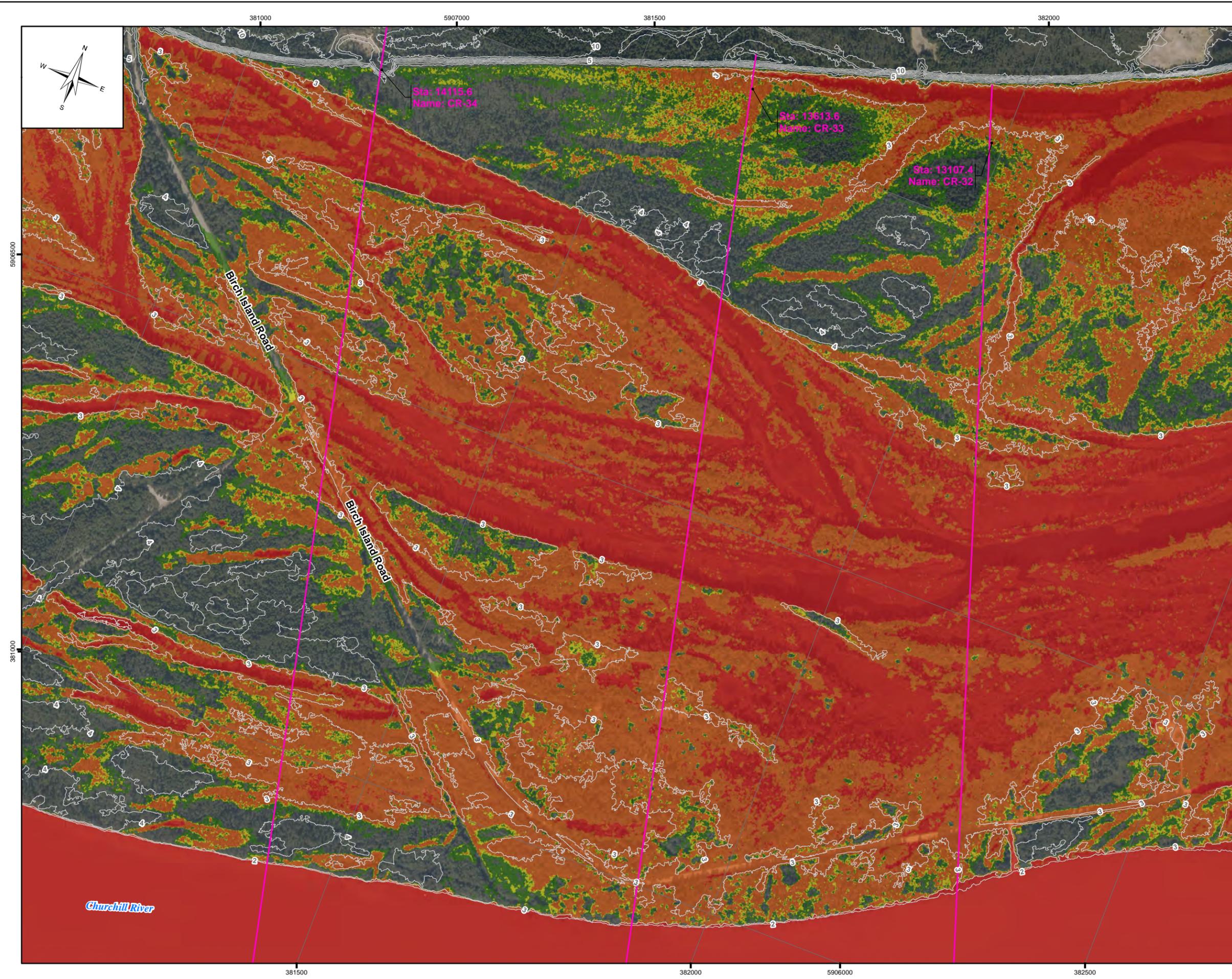
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

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CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-08

JUNE 2020	FIGURE 8.4	REV: 0
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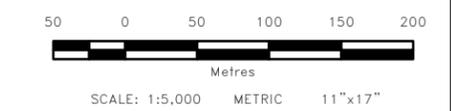


LEGEND:

- Sta: 2364.8 Name: CR-33
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

NOTES:

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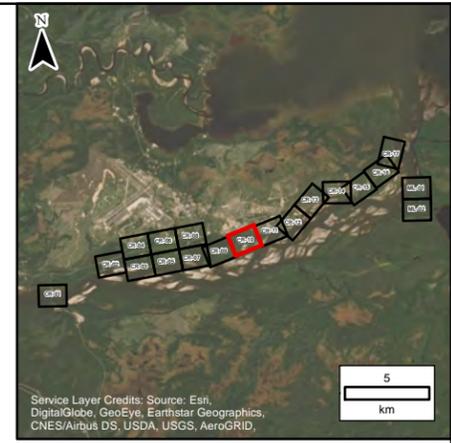
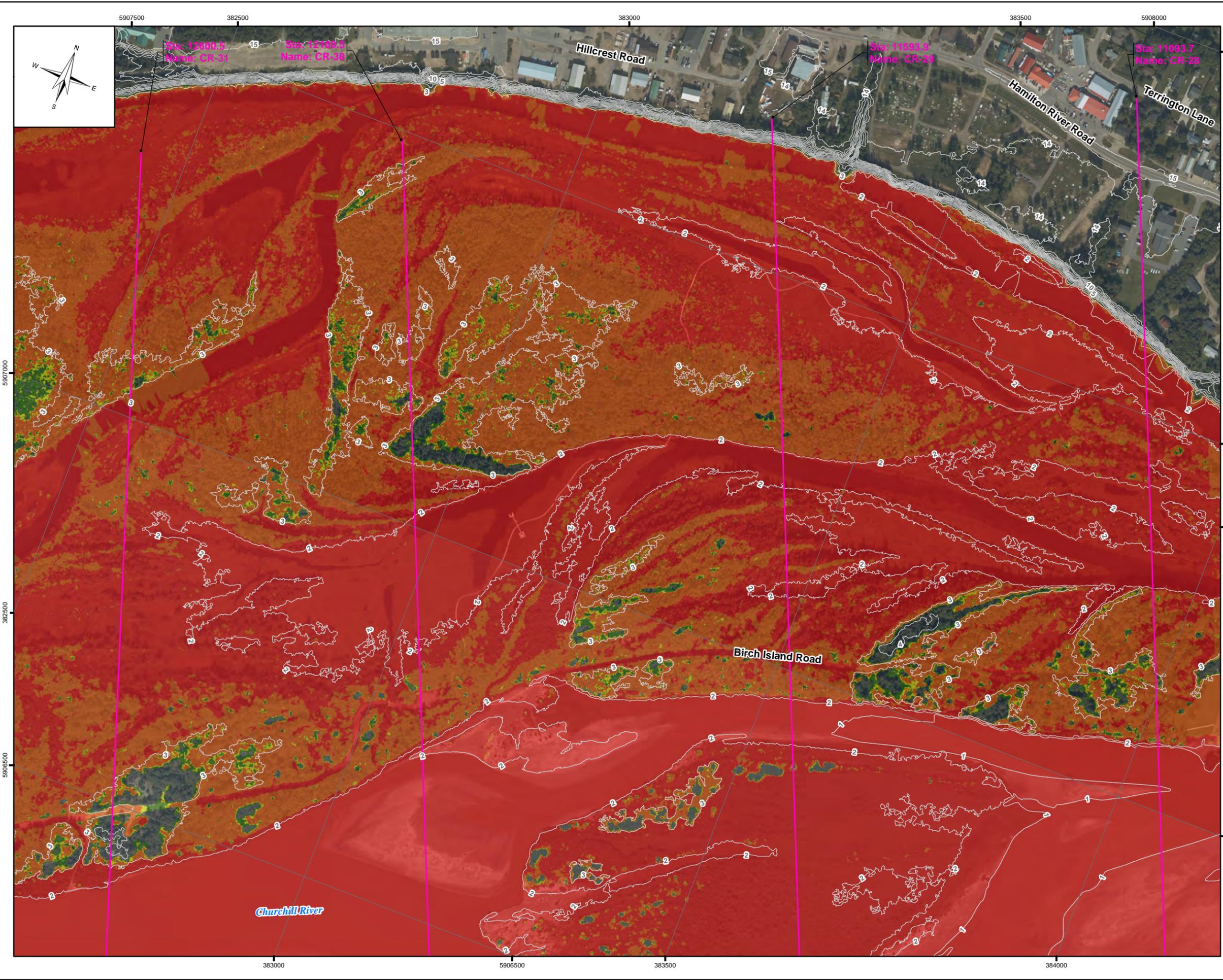
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CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-09

JUNE 2020	FIGURE 8.4	REV: 0
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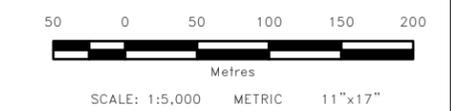


LEGEND:

- Sta: 2364.8 Name: CR-27
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

NOTES:

1. Imagery is supplied by ATGIS Geomatics and dated as 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).

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

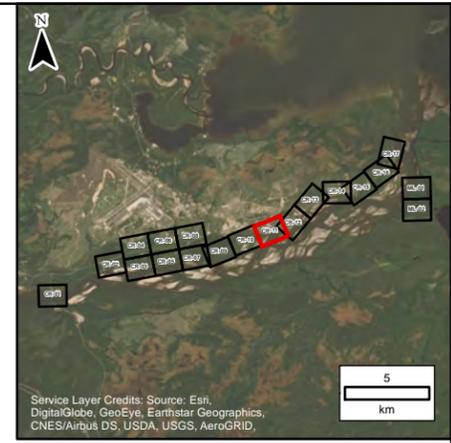
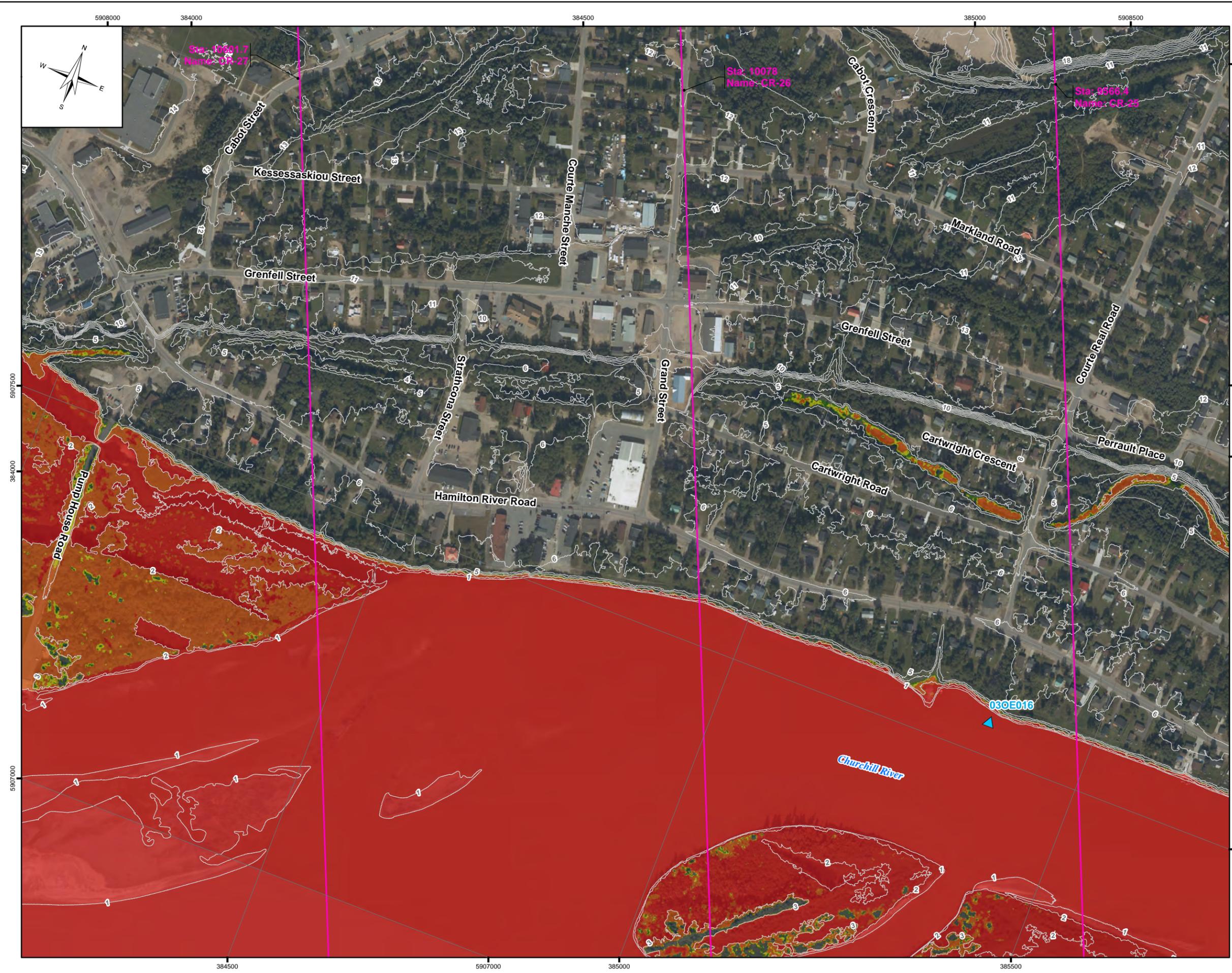
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CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-10

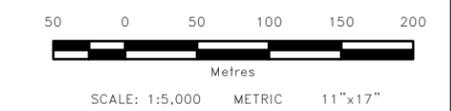
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 11"x17" PLOT_SCALE 1:1



- LEGEND:**
- Sta. 2364.8 Name: CR-53
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - Low - Caution
 - Moderate - Danger for Some (Includes children, the elderly, and the infirm)
 - Significant - Danger for Most (Includes the general public)
 - Extreme - Danger for All (Includes the emergency services)

- NOTES:**
1. Imagery is supplied by ATGIS Geomatics and dated as September 11 - 13, 2019.
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NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

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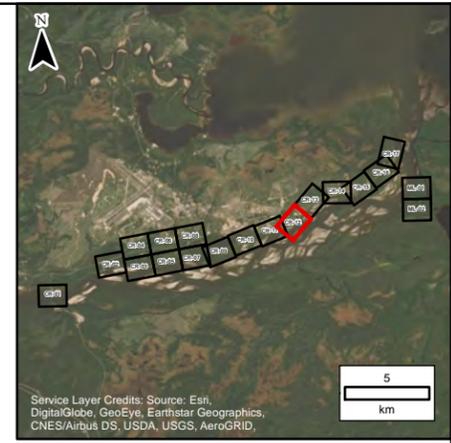
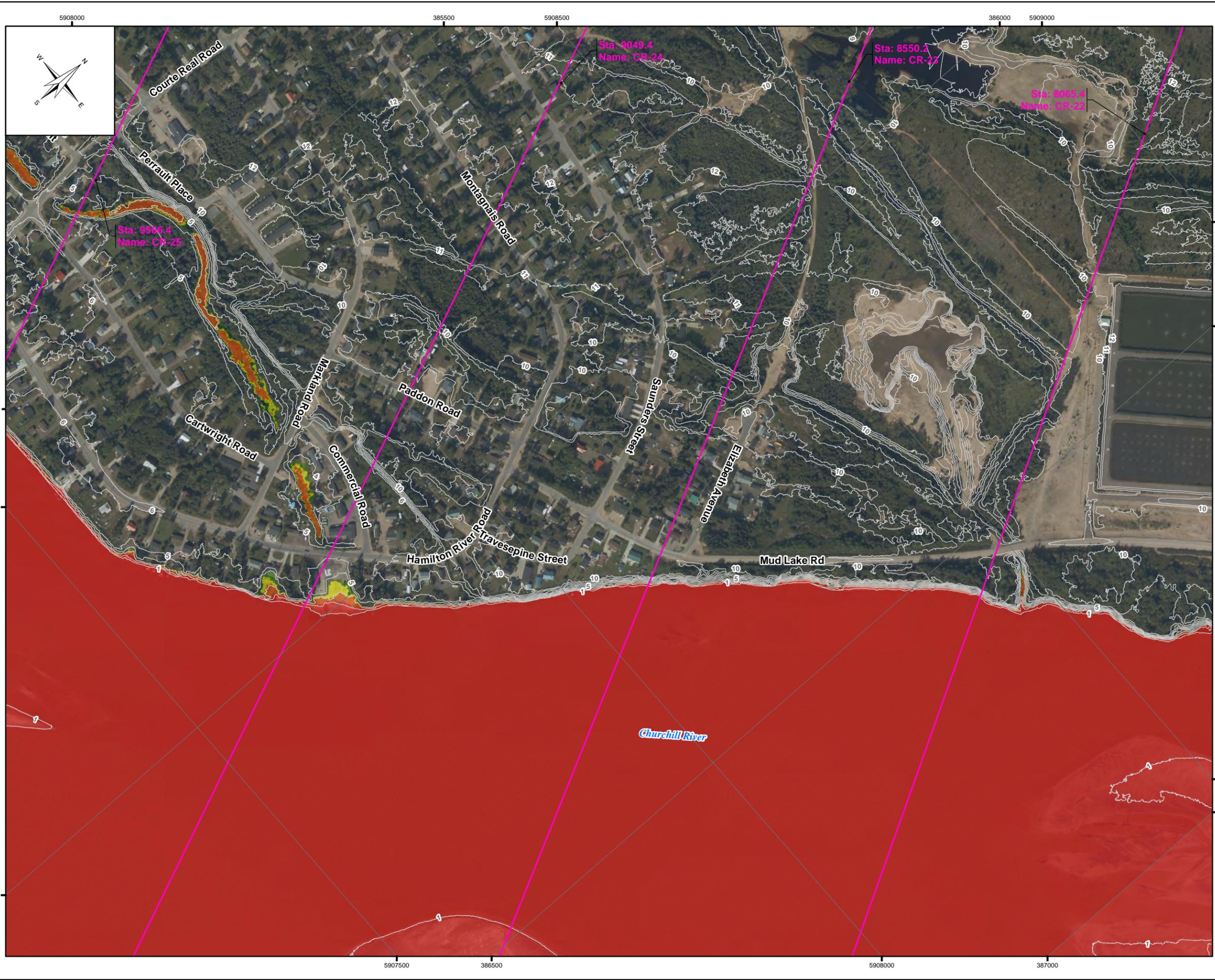
CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-11

JUNE 2020	FIGURE 8.4	REV: 0
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 11"x17" PLOT SCALE 1:1

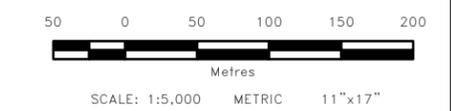


LEGEND:

- Sta: 2364.8 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

NOTES:

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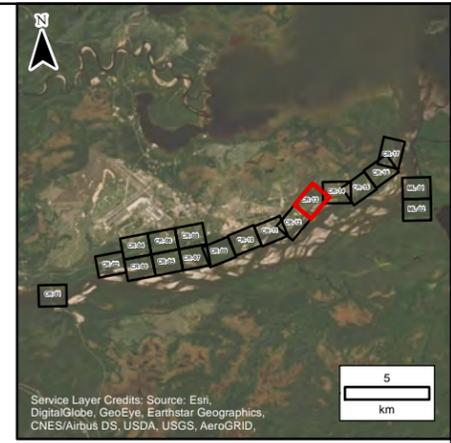
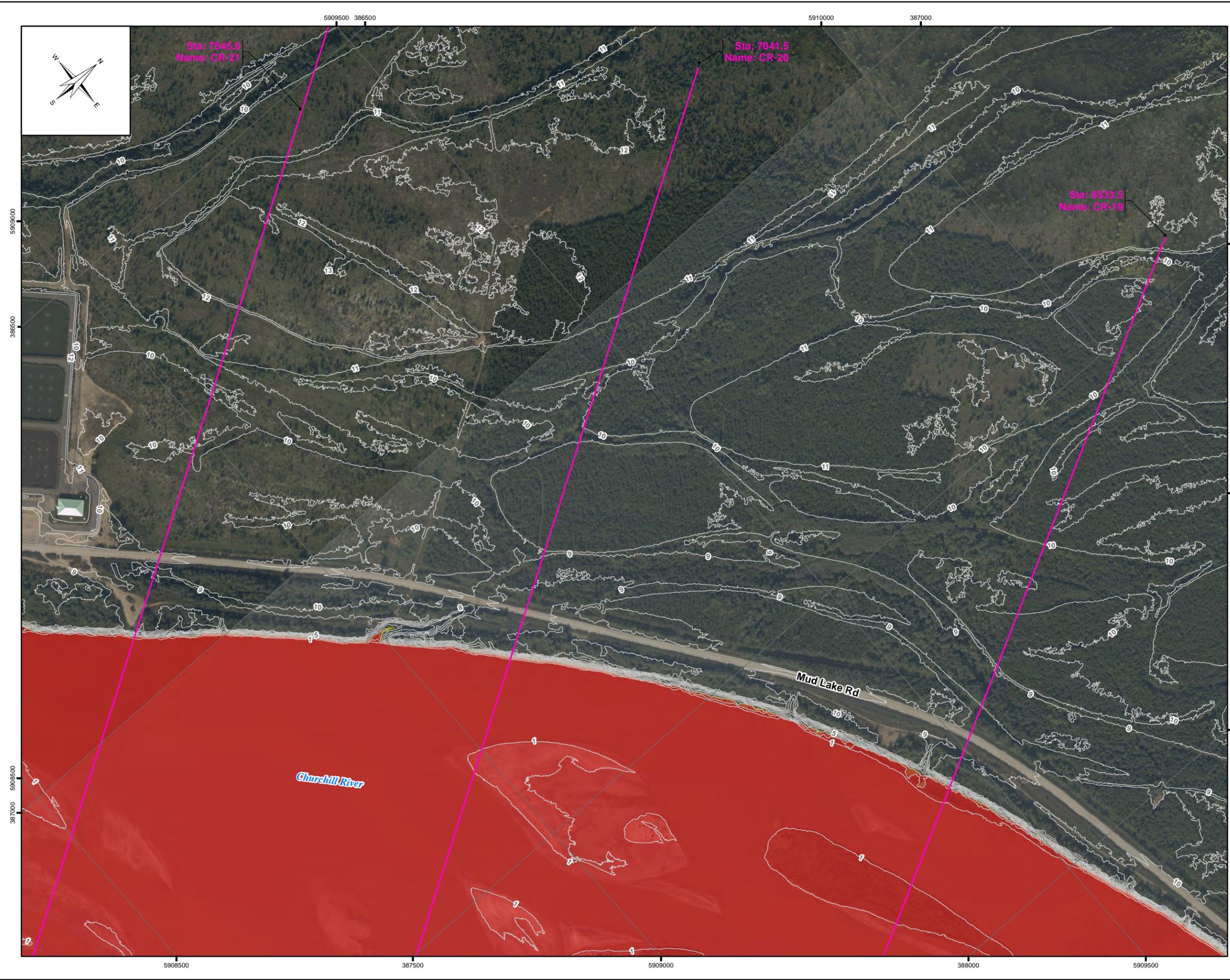
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CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-12

JUNE 2020	FIGURE 8.4	REV: 0
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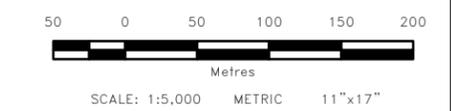


LEGEND:

- Sta: 2364.8 Name: CR-19
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

NOTES:

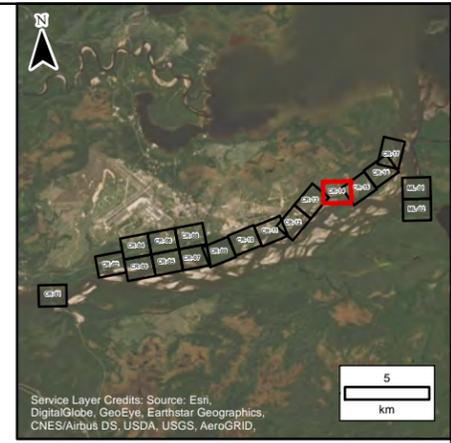
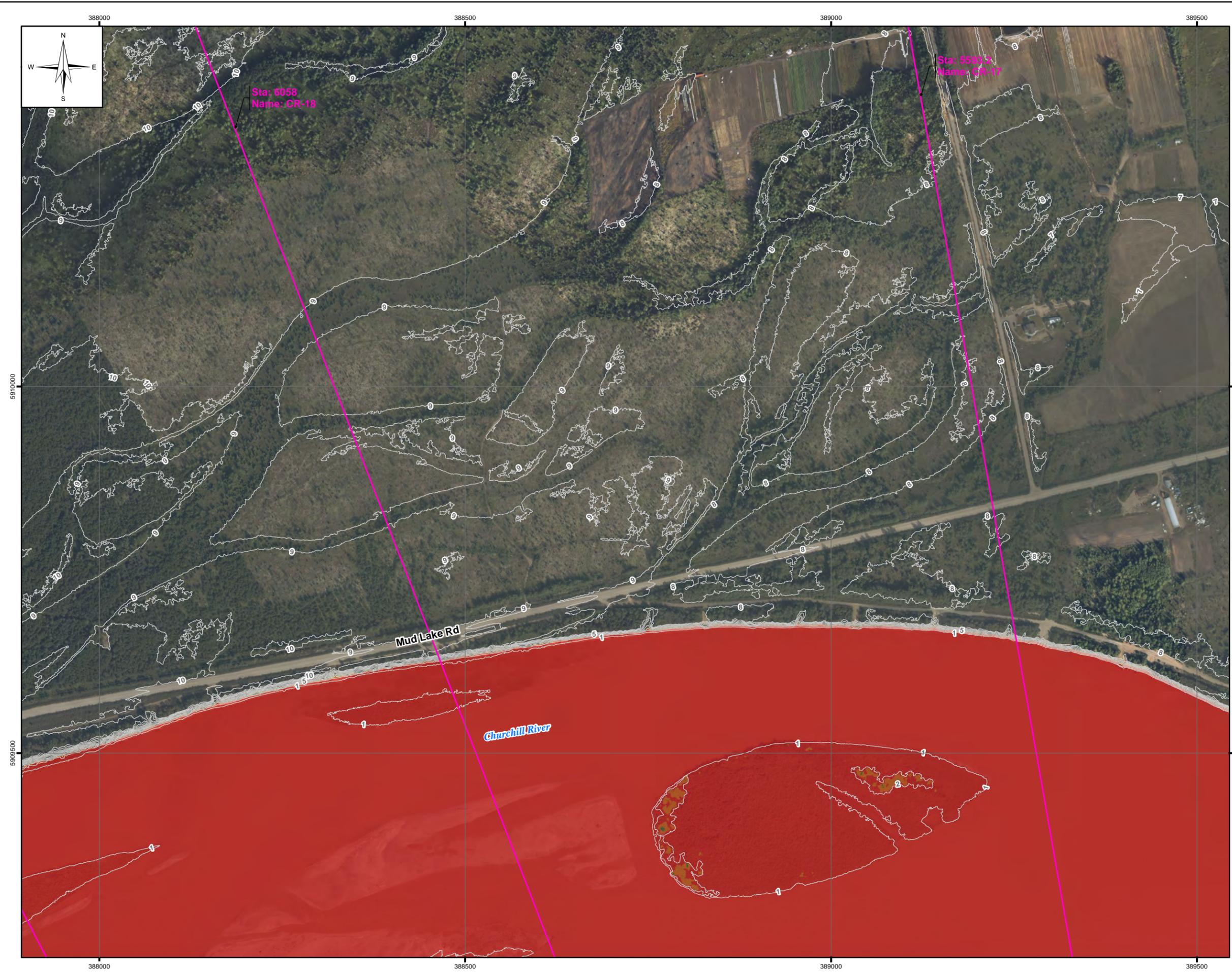
1. Imagery is supplied by ATLAS Geomatics and dated as September 11 - 13, 2019.
2. Topography shown was developed by KGS Group from the LIDAR captured by ATLAS Geomatics on September 11 - 13, 2019.



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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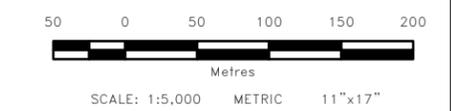


LEGEND:

- Sta: 2364 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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.



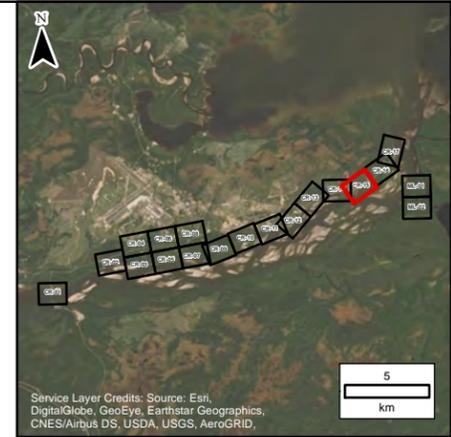
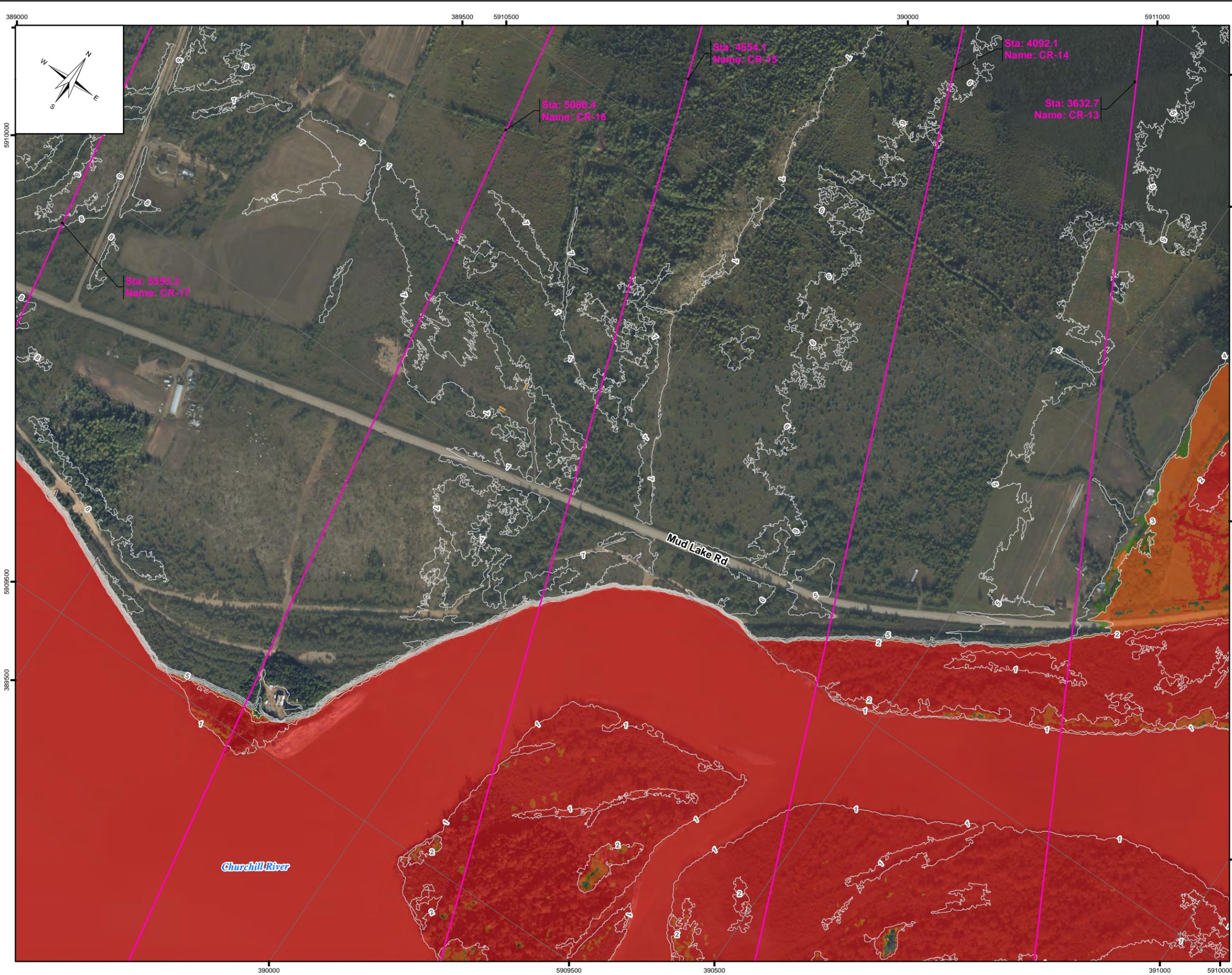
All units are metric and in metres unless otherwise specified. Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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

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CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-14

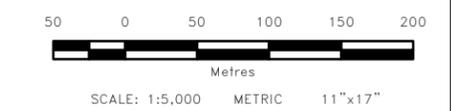


LEGEND:

- Sta: 2364.8 Name: CR-13
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

NOTES:

1. Imagery is supplied by ATLAS Geomatics and dated as September 11 - 13, 2019.
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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).

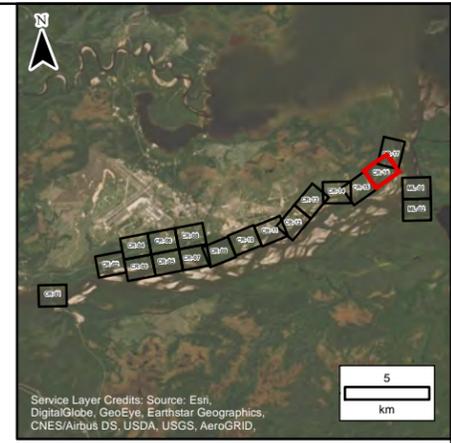
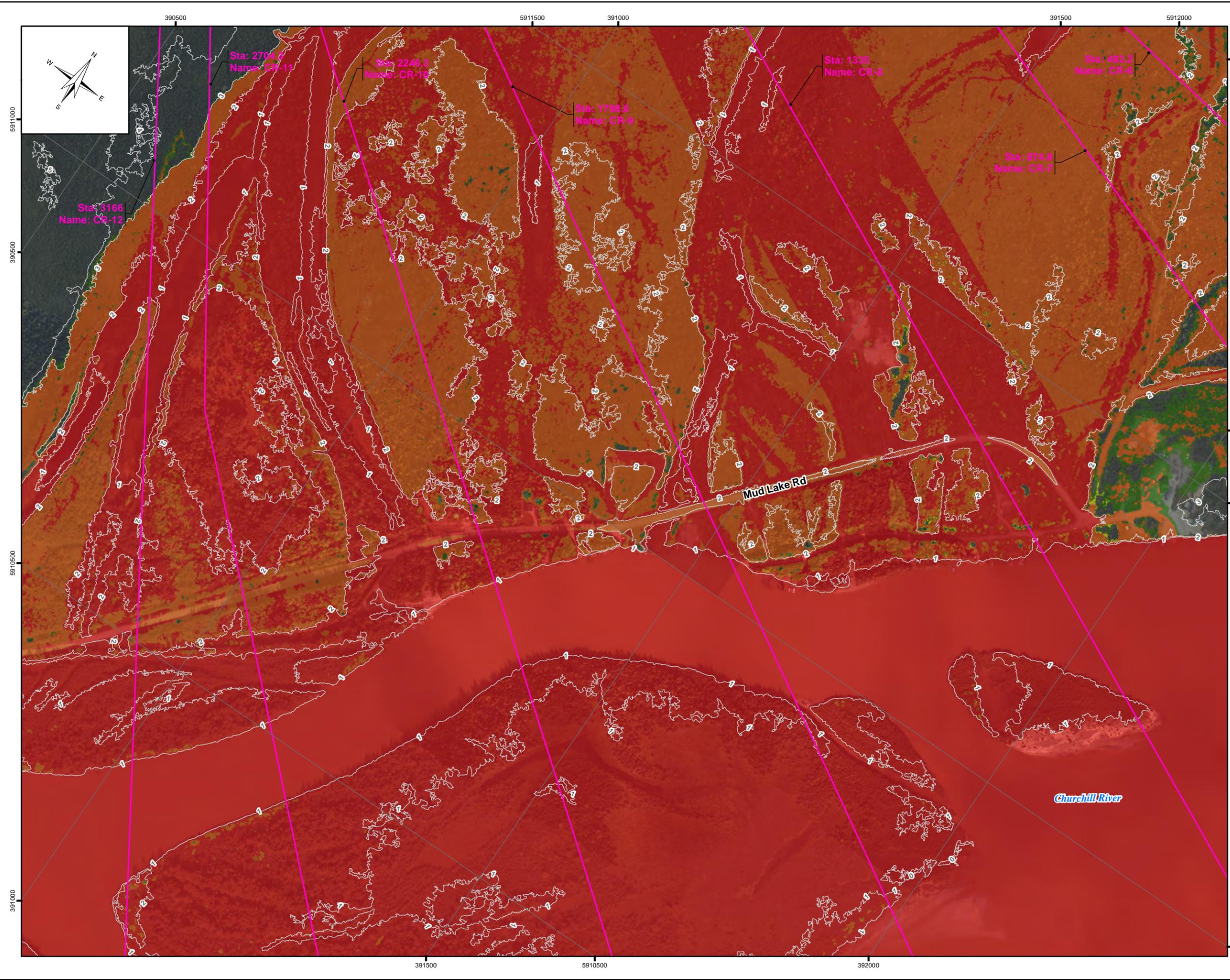
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-15

JUNE 2020	FIGURE 8.4	REV: 0
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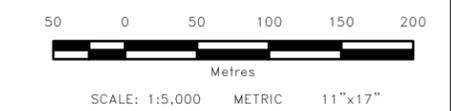


LEGEND:

- Sta: 2364.8 Name: CR-53
Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

NOTES:

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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).

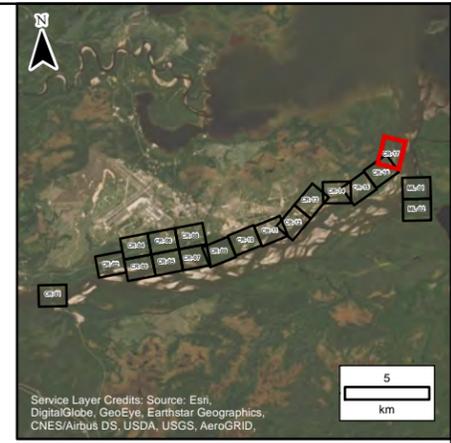
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-16

JUNE 2020	FIGURE 8.4	REV: 0
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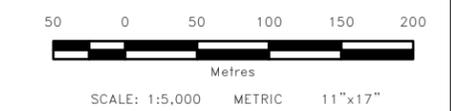


LEGEND:

- Sta: 2364.8 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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).

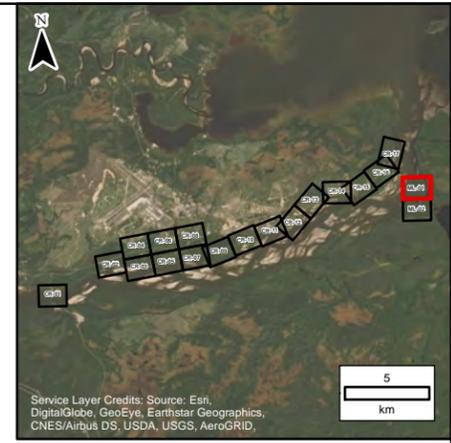
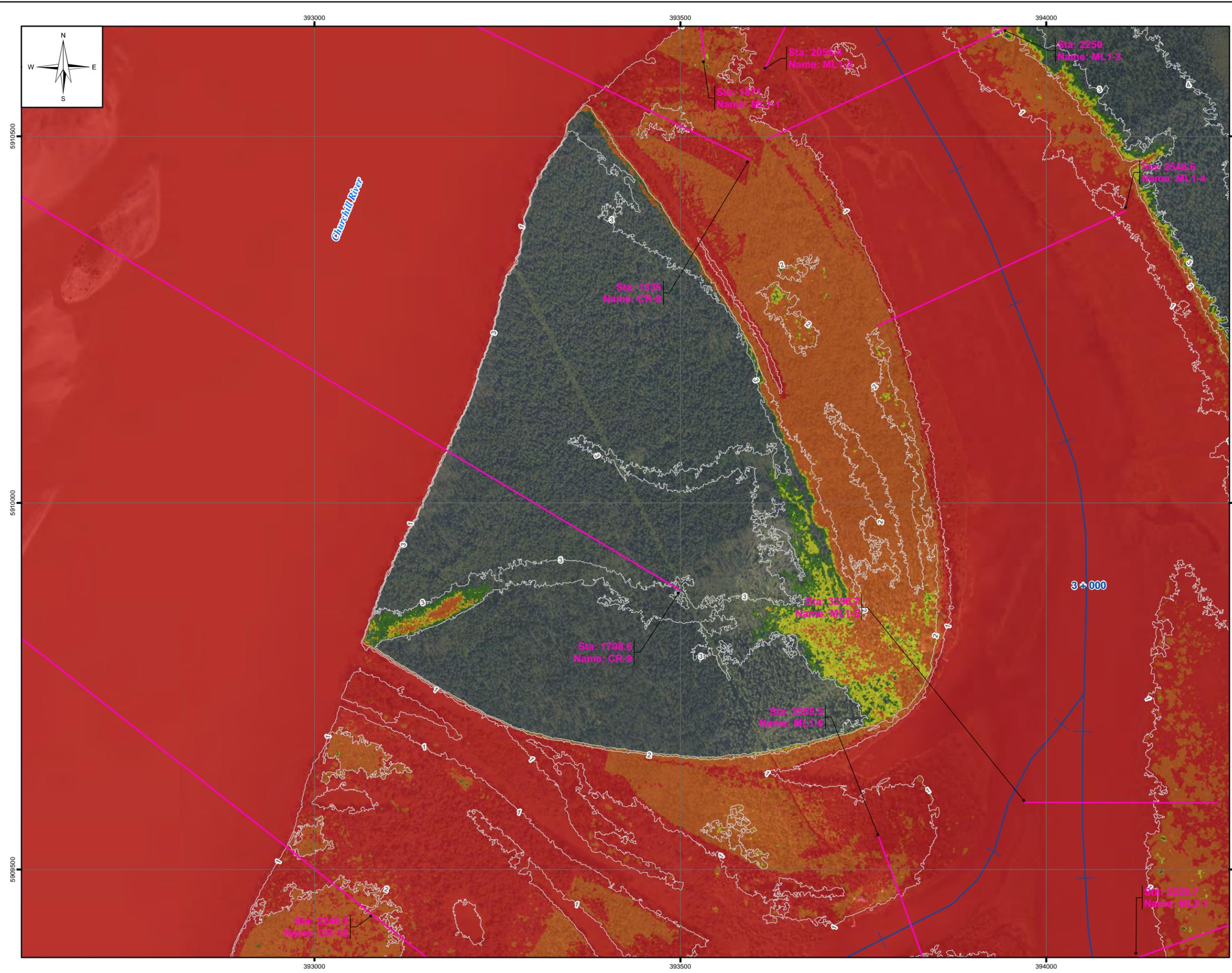
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW
NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE AFFECTED 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - CR-17

JUNE 2020	FIGURE 8.4	REV: 0
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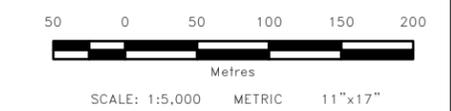


LEGEND:

- Sta: 2364.8 Name: CR-53
- Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LIDAR Contour
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

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.

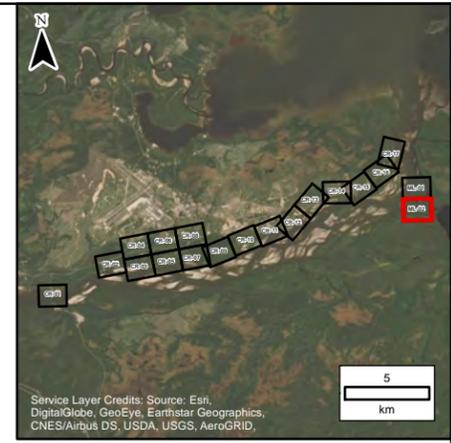
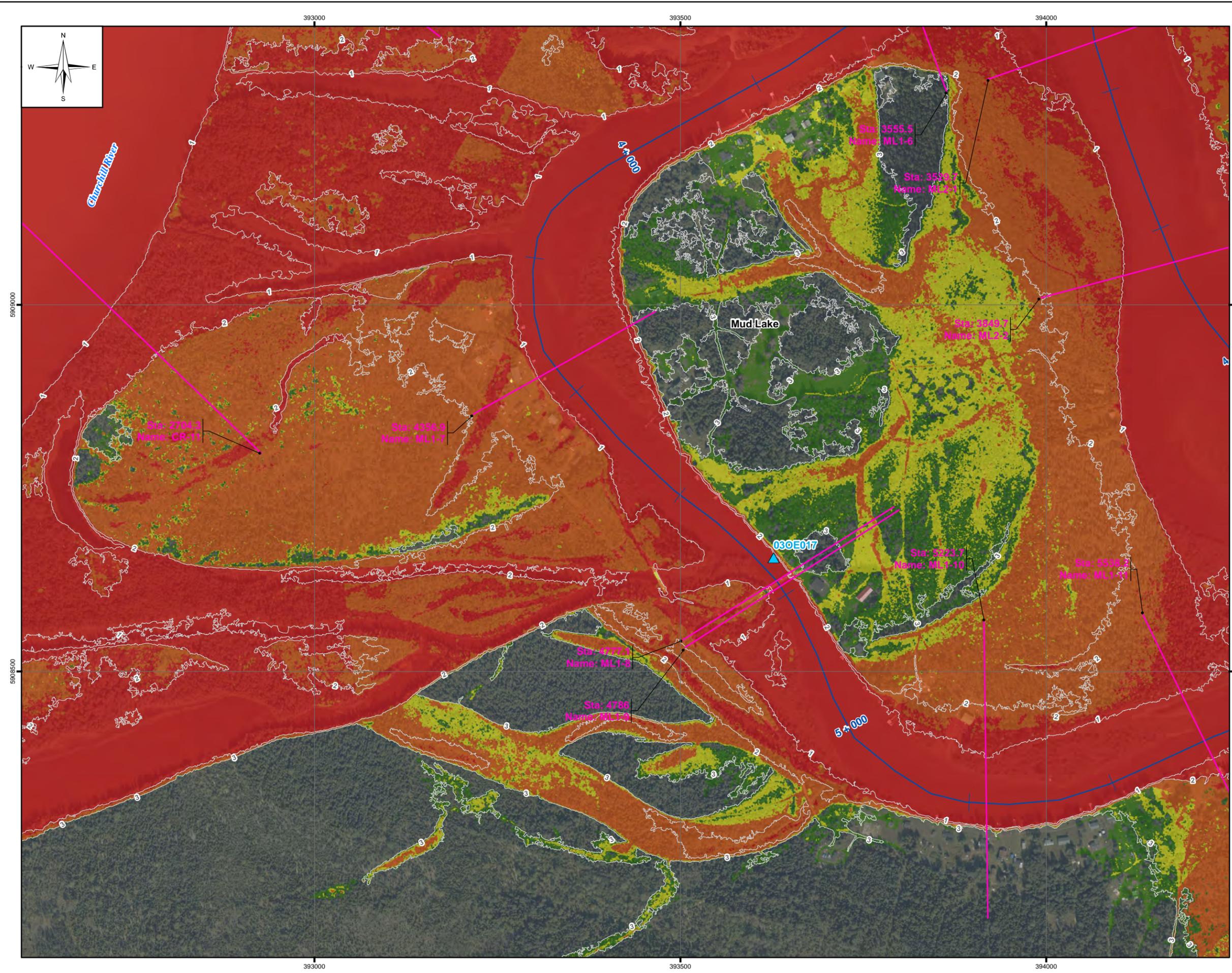


All units are metric and in metres unless otherwise specified. Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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

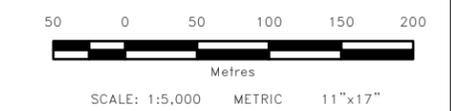
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CHURCHILL RIVER FLOOD RISK AND FORECASTING	
ICE AFFECTED 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - ML-01	
JUNE 2020	FIGURE 8.4
REV: 0	0



- LEGEND:**
- Sta: 2364.8 Name: CR-53
 - Cross Section
 - Water Survey of Canada Gauge Location
 - River Centreline
 - 1m LIDAR Contour
 - Low - Caution
 - Moderate - Danger for Some (Includes children, the elderly, and the infirm)
 - Significant - Danger for Most (Includes the general public)
 - Extreme - Danger for All (Includes the emergency services)

- 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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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

ICE AFFECTED 1:100 YEAR FLOOD HAZARD FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS - ML-02

JUNE 2020	FIGURE 8.4	REV: 0
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