



- LEGEND:
- Creek Centreline
 - 1:20 Year Open Water Flood Zone
 - 1:100 Year Open Water Flood Zone
 - Map Extents
 - Limit of Mapping

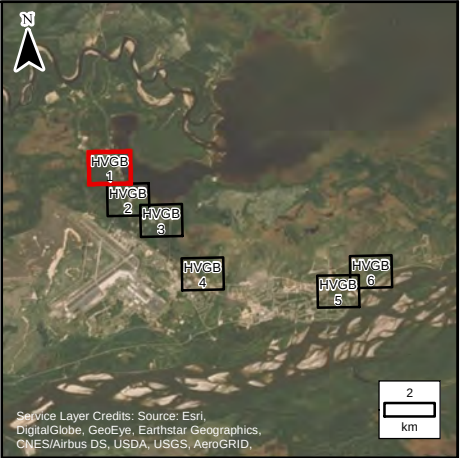
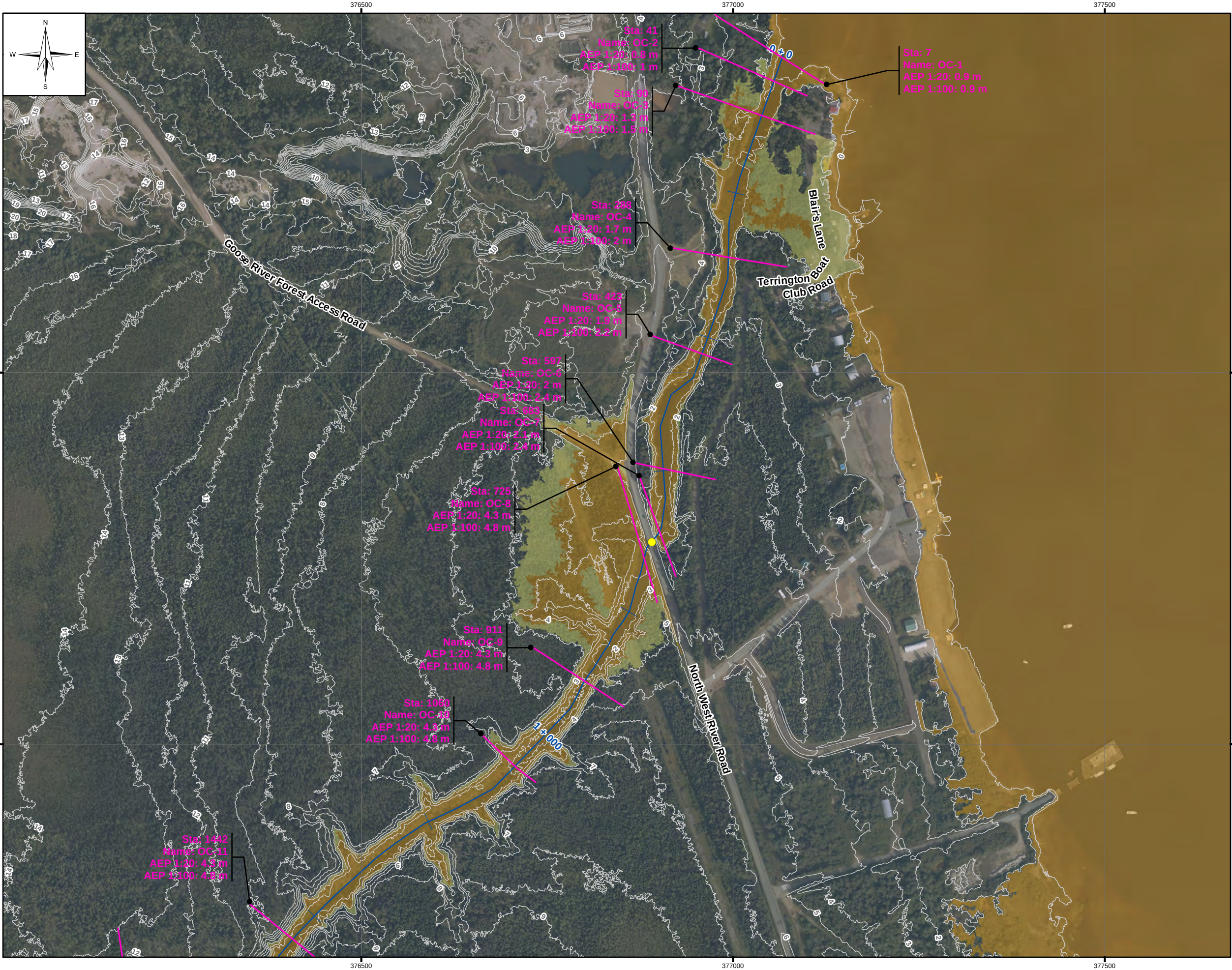
- NOTES:
- Imagery is supplied by ATGIS Geomatics and dated as September 11 – 13, 2019, and by ESRI and DigitalGlobe, WV02 dated June 3, 2015.
 - Lake Melville shown at 0.92 metres.

0.5 0 0.5 1 1.5 2
Kilometres

SCALE: 1:75,000 METRIC 11"x17"

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

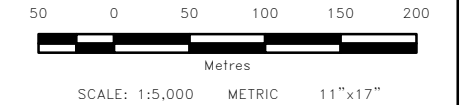
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CHURCHILL RIVER FLOOD RISK AND FORECASTING					
OPEN WATER FLOOD ZONE FOR CLIMATE CHANGE, CURRENT DEVELOPMENT (CLC-CD) – CREEK OVERVIEW MAP					
JUNE 2020		FIGURE 2.1		REV:	0



LEGEND:

- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
- Cross Section
- Creek Centreline
- 1m LiDAR Contour
- Limit of Mapping
- Modelled Culverts
- 1:20 Year Open Water Flood Zone
- 1:100 Year Open Water Flood Zone

- NOTES:**
1. Imagery is supplied by ATLAS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATLAS Geomatics on September 11 – 13, 2019.
 3. Lake Melville shown at 0.92 metres.
 4. Annotation not shown for all cross sections on maps HVGB-2, HVGB-3, HVGB-5 and HVGB-6 for clarity.



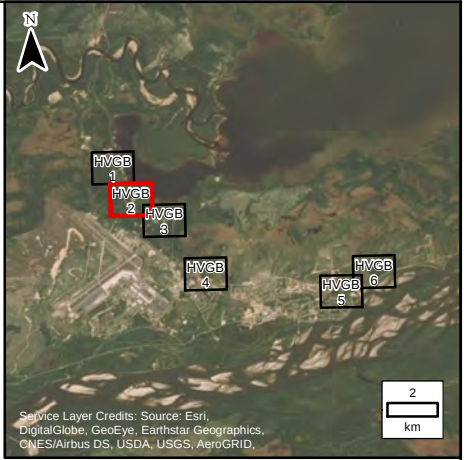
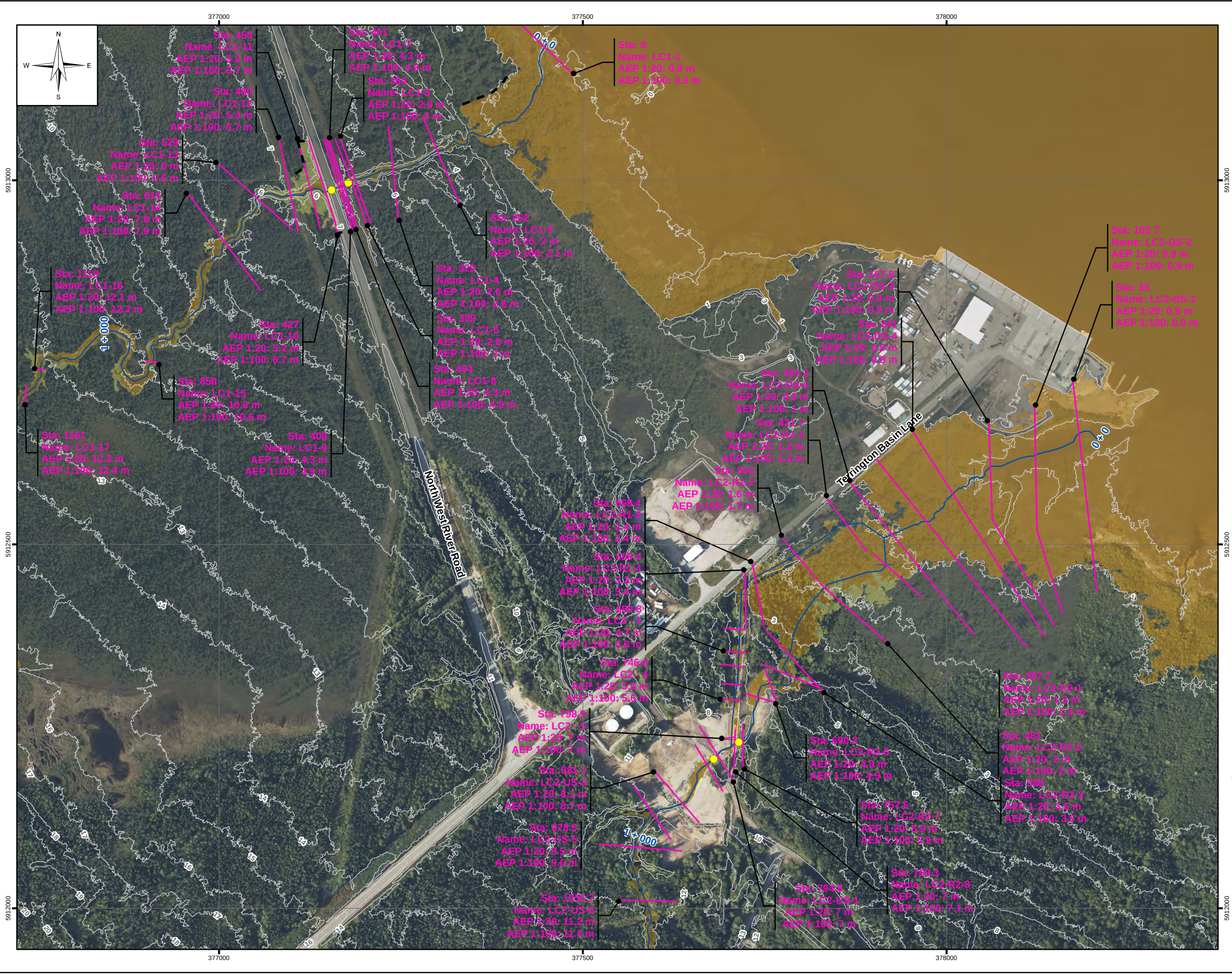
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM), Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER FLOOD ZONE FOR CLIMATE CHANGE, CURRENT DEVELOPMENT (CLC-CD) – HVGB-1

JUNE 2020	FIGURE 2.2	REV: 0
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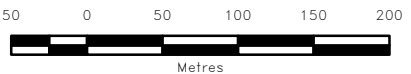


LEGEND:

- Sta: 236.48
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
- Cross Section
- Creek Centreline
- 1m LIDAR Contour
- Limit of Mapping
- Modelled Culverts
- 1:20 Year Open Water Flood Zone
- 1:100 Year Open Water Flood Zone

NOTES:

- Imagery is supplied by ATLAS Geomatics and dated as September 11 - 13, 2019.
- Topography shown was developed by KGS Group from the LiDAR captured by ATLAS Geomatics on September 11 - 13, 2019.
- Lake Melville shown at 0.92 metres.
- Annotation not shown for all cross sections on maps HVGB-2, HVGB-3, HVGB-5 and HVGB-6 for clarity.



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).

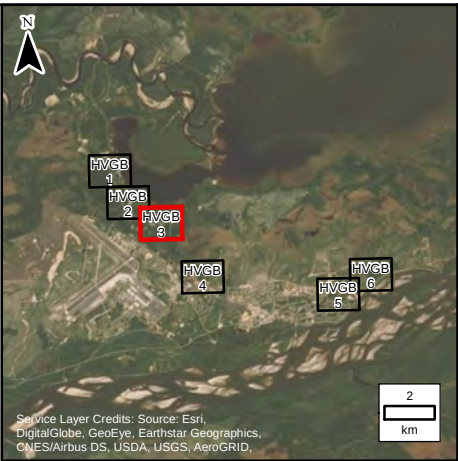
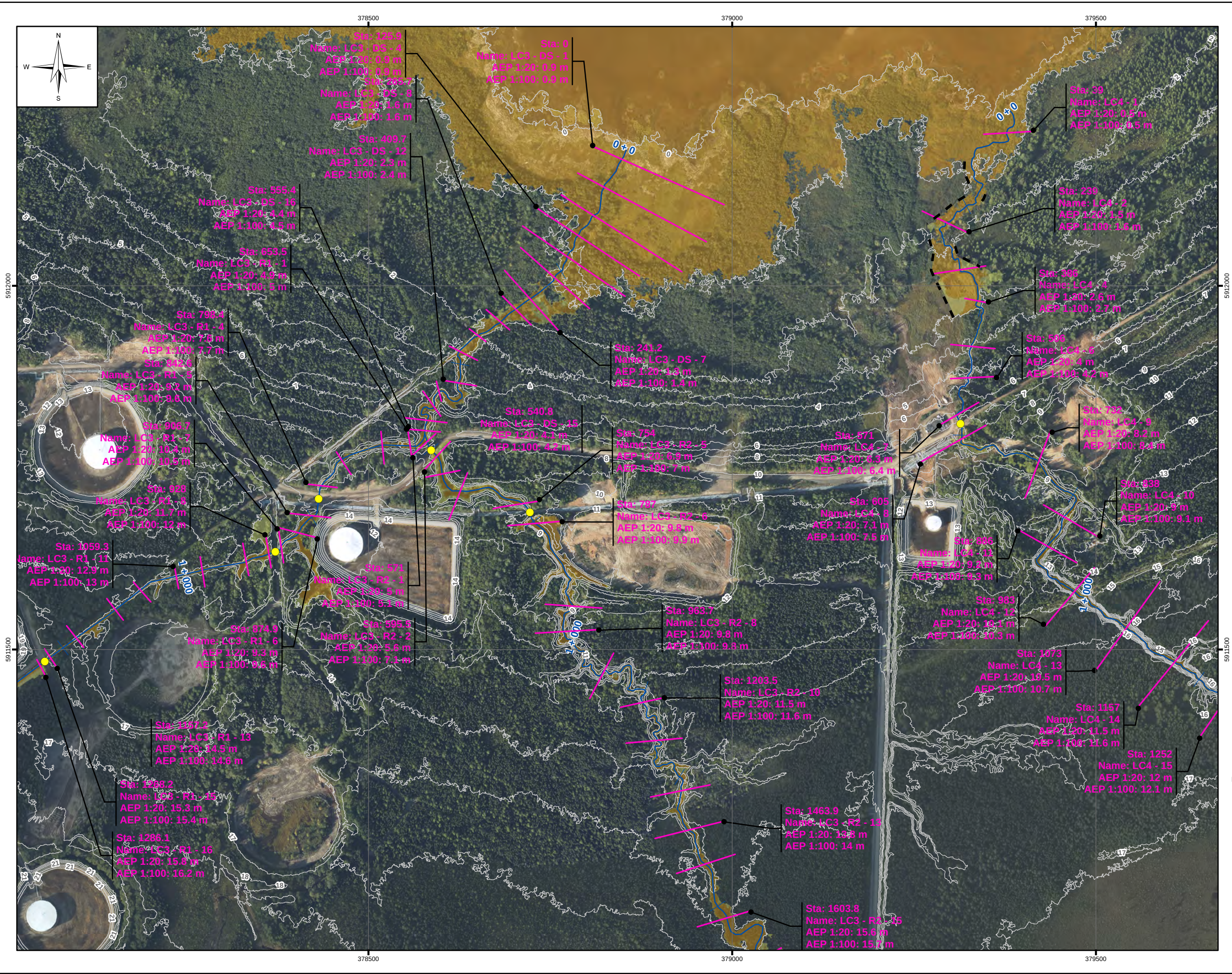
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CHURCHILL RIVER FLOOD RISK AND FORECASTING

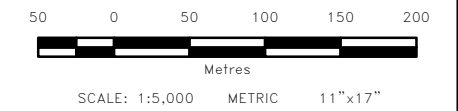
OPEN WATER FLOOD ZONE FOR CLIMATE CHANGE, CURRENT DEVELOPMENT (CLC-CD) - HVGB-2

JUNE 2020 FIGURE 2.2 REV: 0



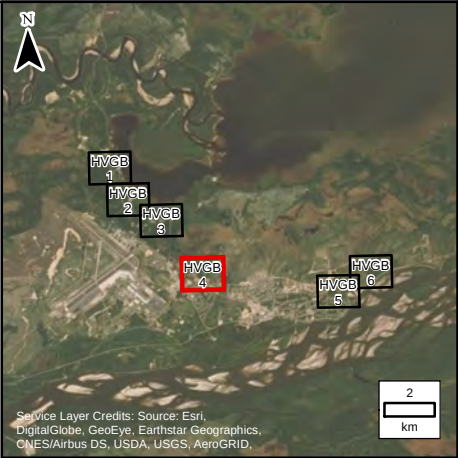
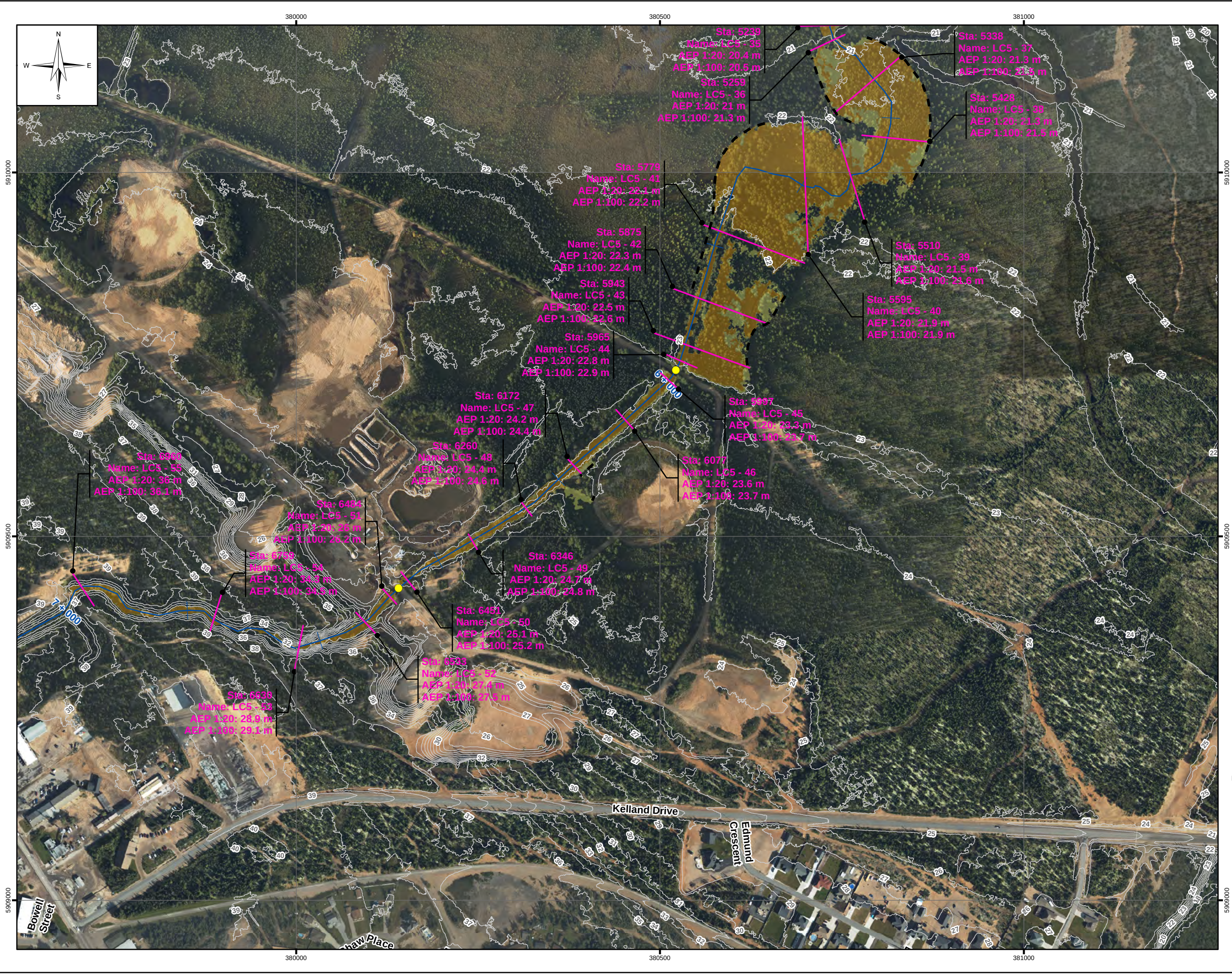
- LEGEND:**
- Sta: 236.9
Name: LC3-1
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
 - Cross Section
 - Creek Centreline
 - 1m LIDAR Contour
 - Limit of Mapping
 - Modelled Culverts
 - 1:20 Year Open Water Flood Zone
 - 1:100 Year Open Water Flood Zone

- NOTES:**
1. Imagery is supplied by ATLAS Geomatics and dated as September 11 – 13, 2019.
 2. Topography shown was developed by KGS Group from the LiDAR captured by ATLAS Geomatics on September 11 – 13, 2019.
 3. Lake Melville shown at 0.92 metres.
 4. Annotation not shown for all cross sections on maps HVGB-2, HVGB-3, HVGB-5 and HVGB-6 for clarity.



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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 FLOOD ZONE FOR CLIMATE CHANGE, CURRENT DEVELOPMENT (CLC-CD) – HVGB-3					
JUNE 2020		FIGURE 2.2		REV:	0



LEGEND:

- Sta: 23648
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
- Cross Section
- Creek Centreline
- 1m LIDAR Contour
- Limit of Mapping
- Modelled Culverts
- 1:20 Year Open Water Flood Zone
- 1:100 Year Open Water Flood Zone

NOTES:

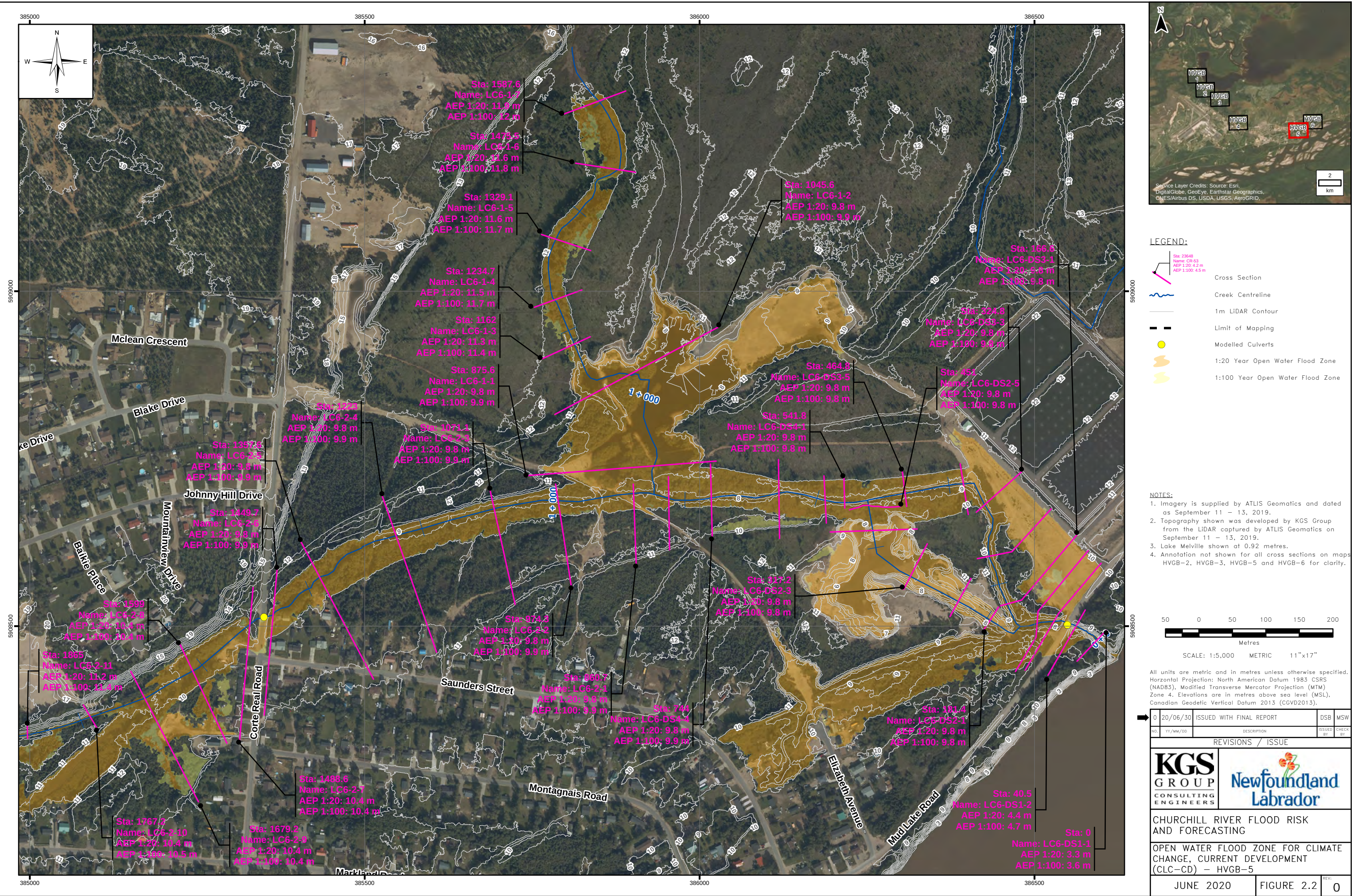
- Imagery is supplied by ATLAS Geomatics and dated as September 11 – 13, 2019.
- Topography shown was developed by KGS Group from the LiDAR captured by ATLAS Geomatics on September 11 – 13, 2019.
- Lake Melville shown at 0.92 metres.
- Annotation not shown for all cross sections on maps HVGB-2, HVGB-3, HVGB-5 and HVGB-6 for clarity.

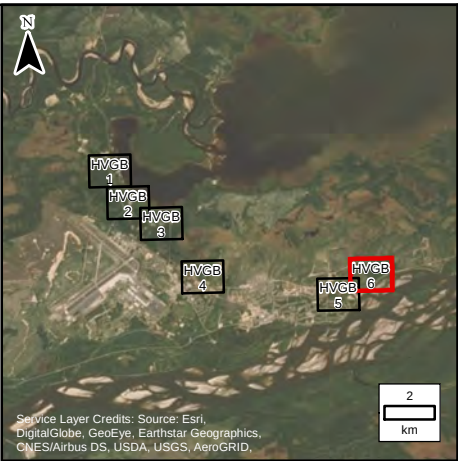
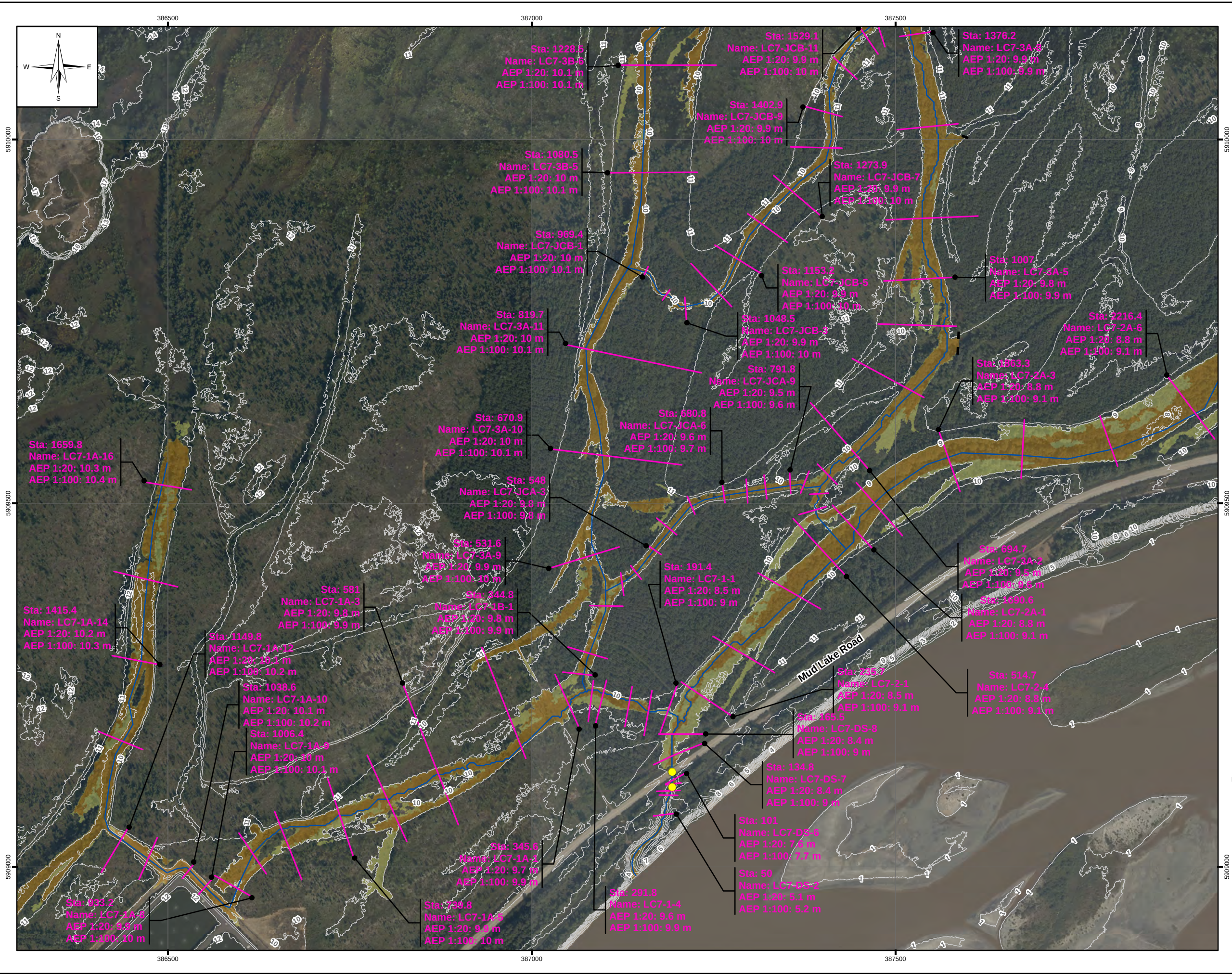


SCALE: 1:5,000 METRIC 11"x17"

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).

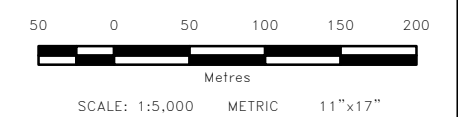
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KGS GROUP CONSULTING ENGINEERS		 Newfoundland Labrador		
CHURCHILL RIVER FLOOD RISK AND FORECASTING				
OPEN WATER FLOOD ZONE FOR CLIMATE CHANGE, CURRENT DEVELOPMENT (CLC-CD) – HVGB-4				
JUNE 2020		FIGURE 2.2		REV: 0





- LEGEND:**
- Sta: 236.48
Name: CR-53
AEP 1:20: 4.2 m
AEP 1:100: 4.5 m
 - Cross Section
 - Creek Centreline
 - 1m LIDAR Contour
 - Limit of Mapping
 - Modelled Culverts
 - 1:20 Year Open Water Flood Zone
 - 1:100 Year Open Water Flood Zone

- NOTES:**
- Imagery is supplied by ATLAS Geomatics and dated as September 11 – 13, 2019.
 - Topography shown was developed by KGS Group from the LiDAR captured by ATLAS Geomatics on September 11 – 13, 2019.
 - Lake Melville shown at 0.92 metres.
 - Annotation not shown for all cross sections on maps HVGB-2, HVGB-3, HVGB-5 and HVGB-6 for clarity.



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).

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CHURCHILL RIVER FLOOD RISK AND FORECASTING				
OPEN WATER FLOOD ZONE FOR CLIMATE CHANGE, CURRENT DEVELOPMENT (CLC-CD) – HVGB-6				
JUNE 2020		FIGURE 2.2	REV:	0