



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

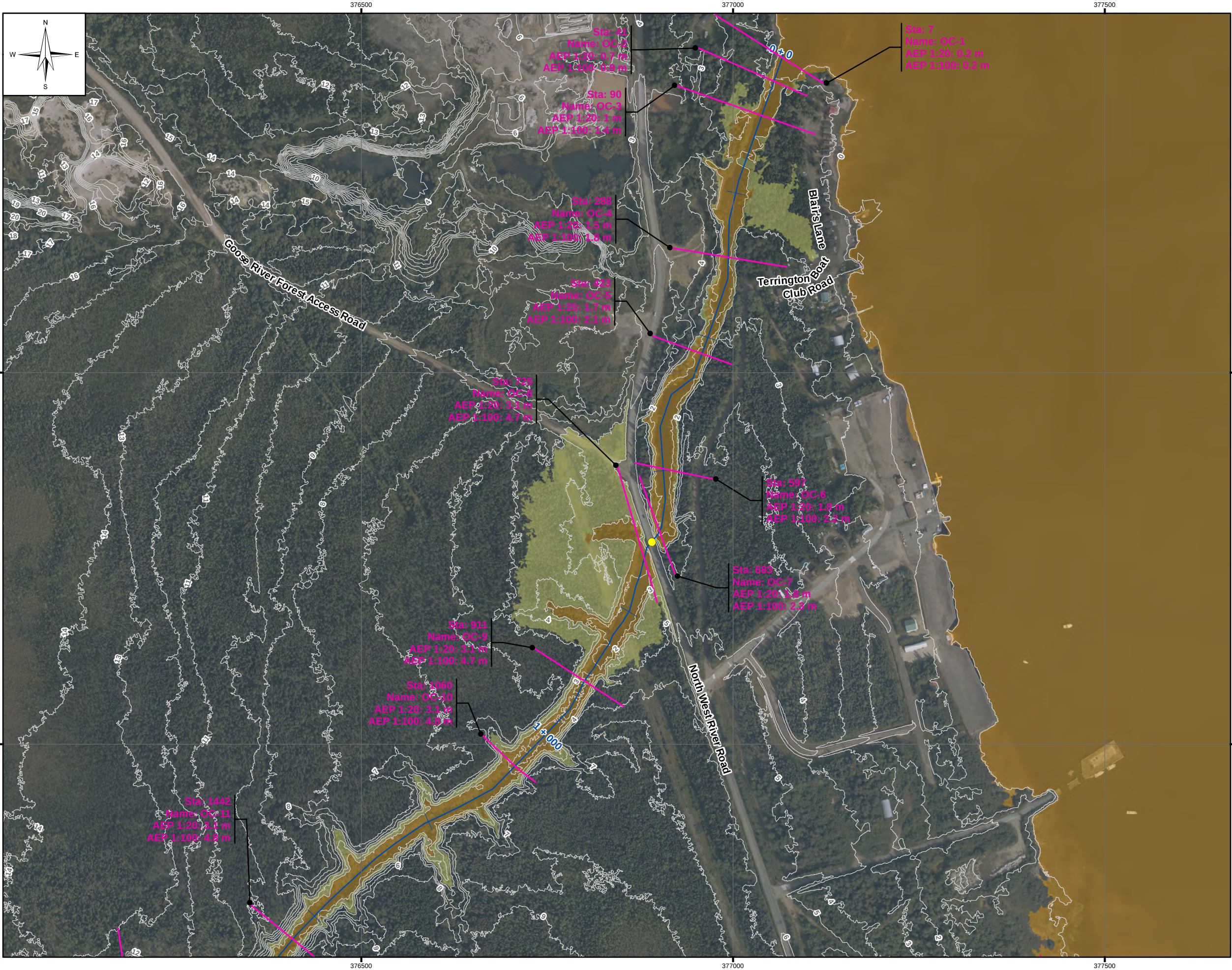
- NOTES:**
- Imagery is supplied by ATGIS Geomatics and dated as September 11 – 13, 2019, and by ESRI and DigitalGlobe, WV02 dated June 3, 2015.
 - Lake Melville shown at 0.22 metres.

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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REVISIONS / ISSUE					
					
CHURCHILL RIVER FLOOD RISK AND FORECASTING					
OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – CREEK OVERVIEW MAP					
JUNE 2020		FIGURE 1.1		REV:	0

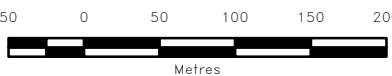


LEGEND:

- Sta: 1252
Name: LCA - 15
AEP 1:20: 12.0 m
AEP 1:100: 12.1 m
- Cross Section
- 1:20 Year Open Water Flood Zone
- 1:100 Year Open Water Flood Zone
- Creek Centreline
- 1m LiDAR Contour
- Limit of Mapping
- Modelled Culverts

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 0.22 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).

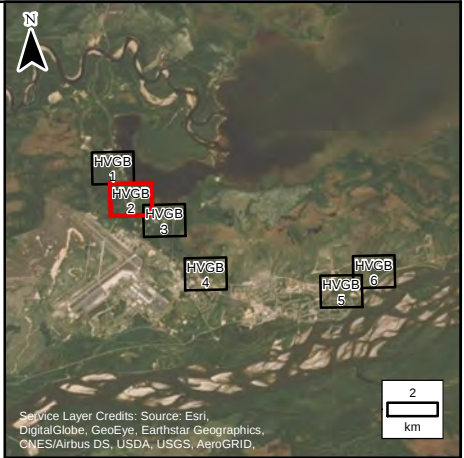
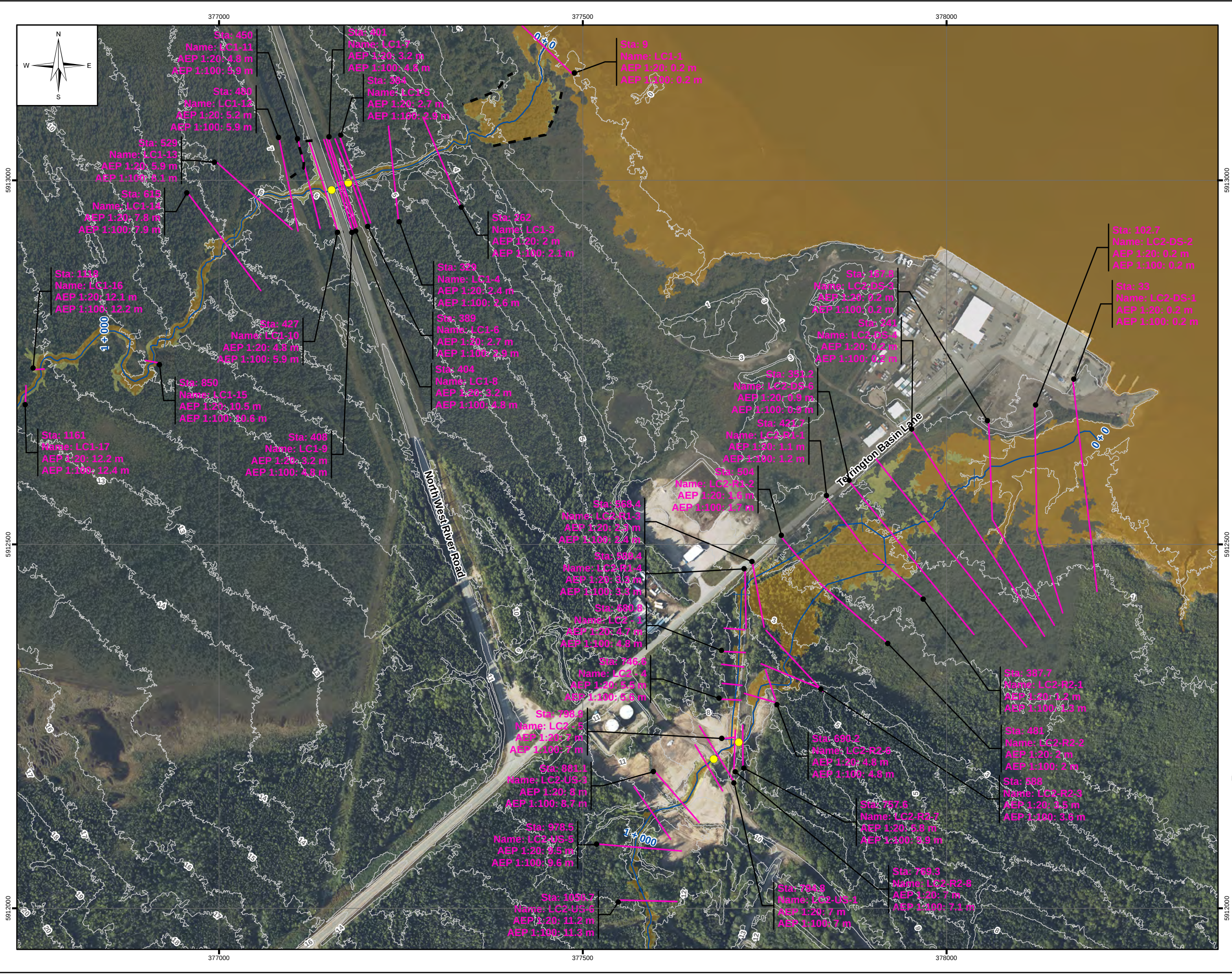
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KGS GROUP
CONSULTING ENGINEERS

CHURCHILL RIVER FLOOD RISK AND FORECASTING

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

JUNE 2020	FIGURE 1.2	REV: 0
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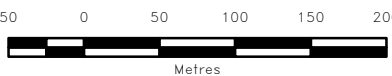


LEGEND:

- Sta: 1252
Name: LC4-15
AEP 1:20: 12.0 m
AEP 1:100: 12.1 m
- Cross Section
- 1:20 Year Open Water Flood Zone
- 1:100 Year Open Water Flood Zone
- Creek Centreline
- 1m LiDAR Contour
- Limit of Mapping
- Modelled Culverts

NOTES:

- Imagery is supplied by ATLAS Geomatics and dated as September 11 – 13, 2019.
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- Lake Melville shown at 0.22 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"

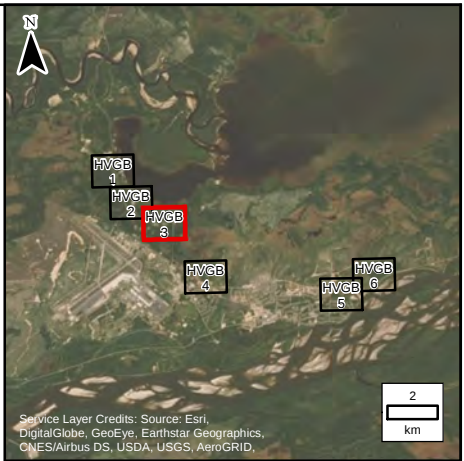
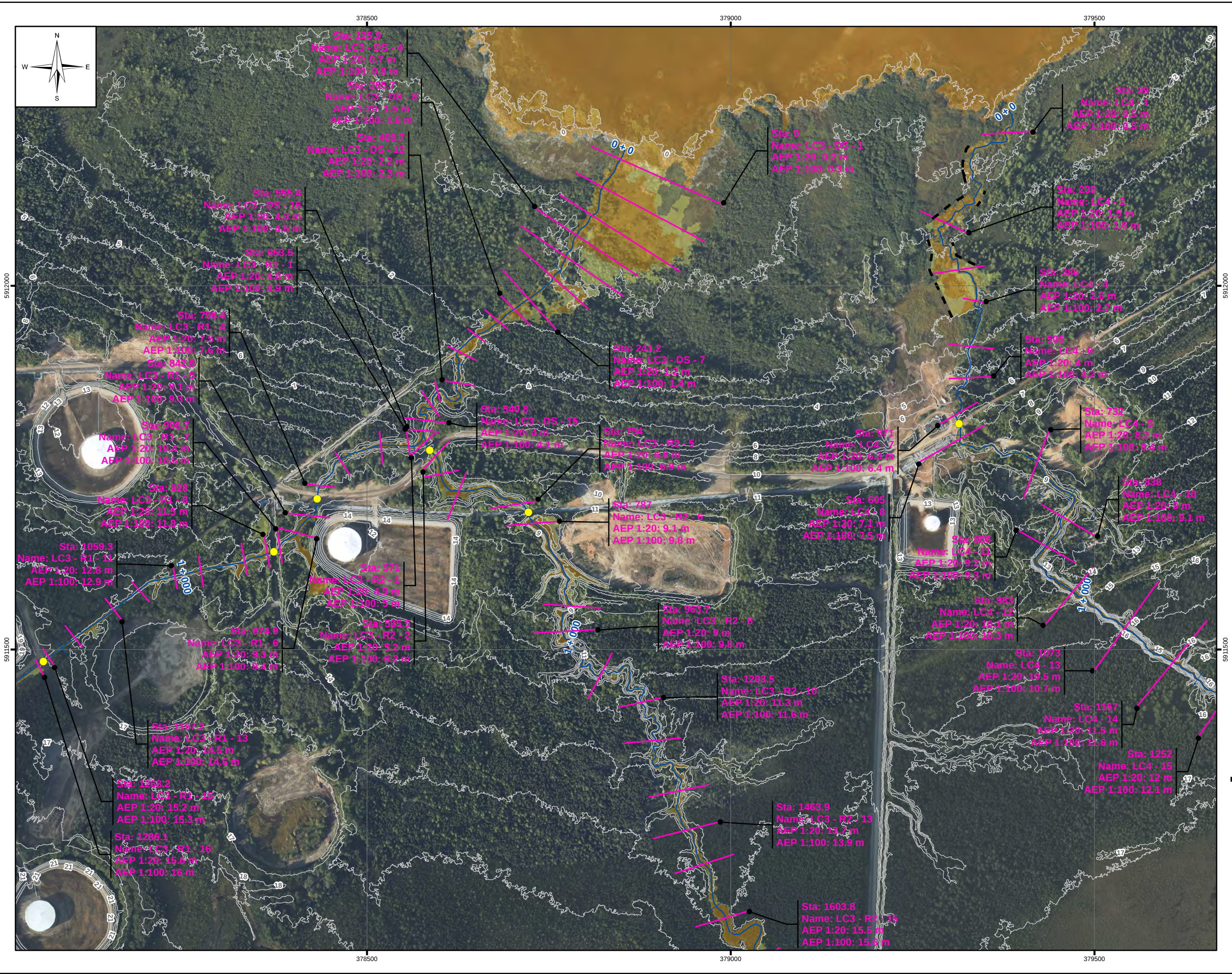
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM)
Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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CHURCHILL RIVER FLOOD RISK AND FORECASTING

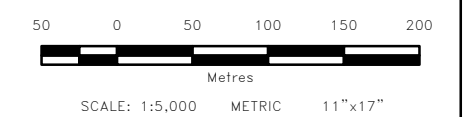
OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – HVGB-2

JUNE 2020	FIGURE 1.2	REV: 0
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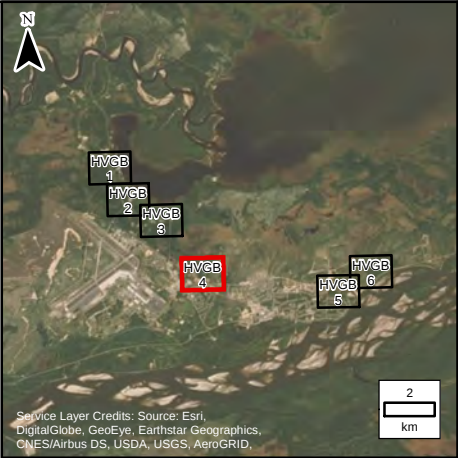
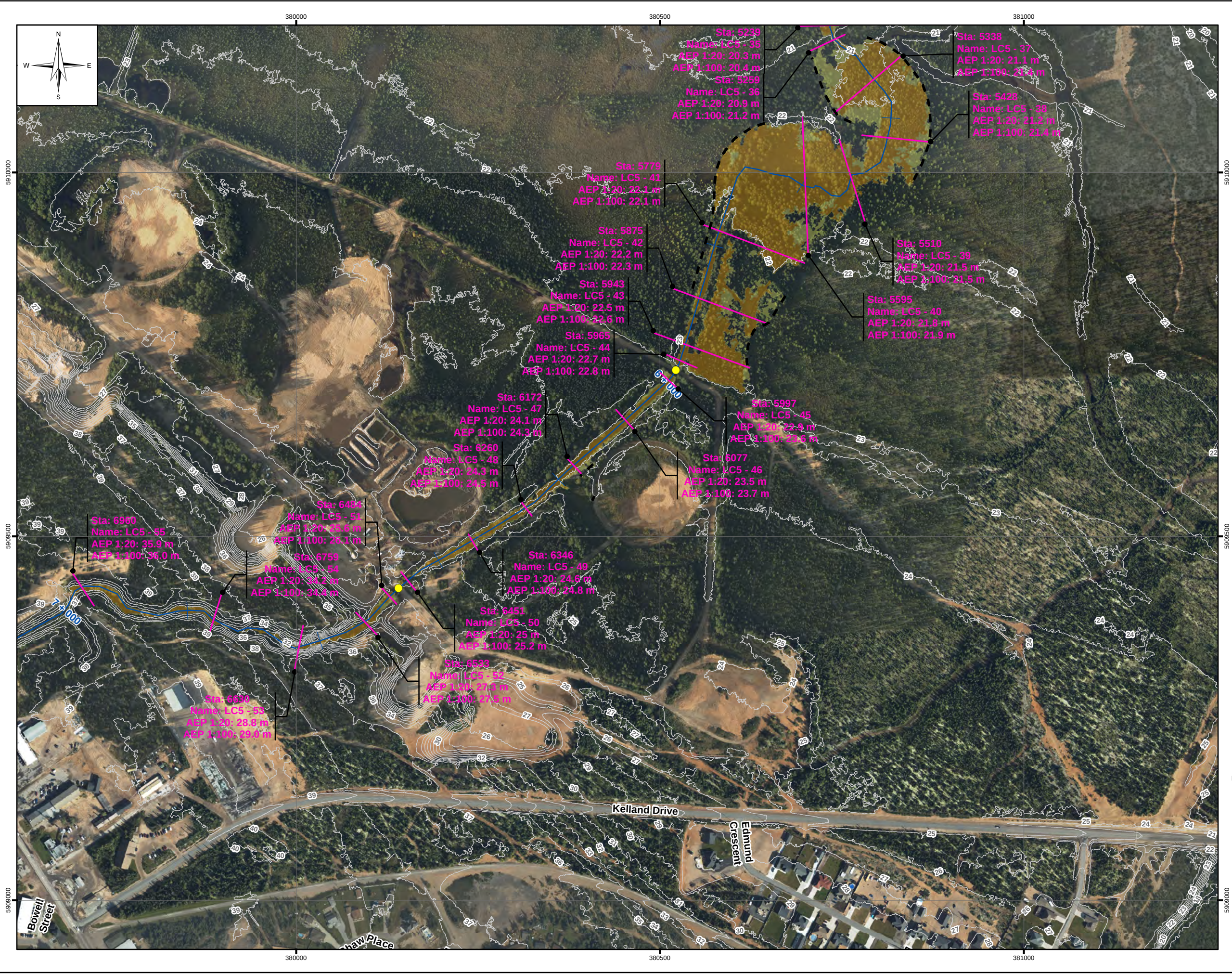
- LEGEND:**
- Sta: 1252
Name: LC4 - 15
AEP 1:20: 12.0 m
AEP 1:100: 12.1 m
 - Cross Section
 - 1:20 Year Open Water Flood Zone
 - 1:100 Year Open Water Flood Zone
 - Creek Centreline
 - 1m LiDAR Contour
 - Limit of Mapping
 - Modelled Culverts

- NOTES:**
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 - Lake Melville shown at 0.22 metres.
 - 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 CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – HVGB-3					
JUNE 2020		FIGURE 1.2			REV: 0

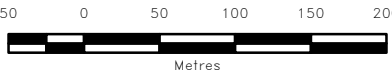


LEGEND:

- Sta: 1252
Name: LC4 - 15
AEP 1:20: 12.0 m
AEP 1:100: 12.1 m
- Cross Section
- 1:20 Year Open Water Flood Zone
- 1:100 Year Open Water Flood Zone
- Creek Centreline
- 1m LiDAR Contour
- Limit of Mapping
- Modelled Culverts

NOTES:

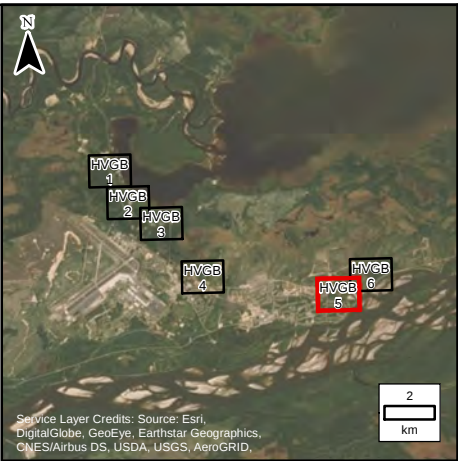
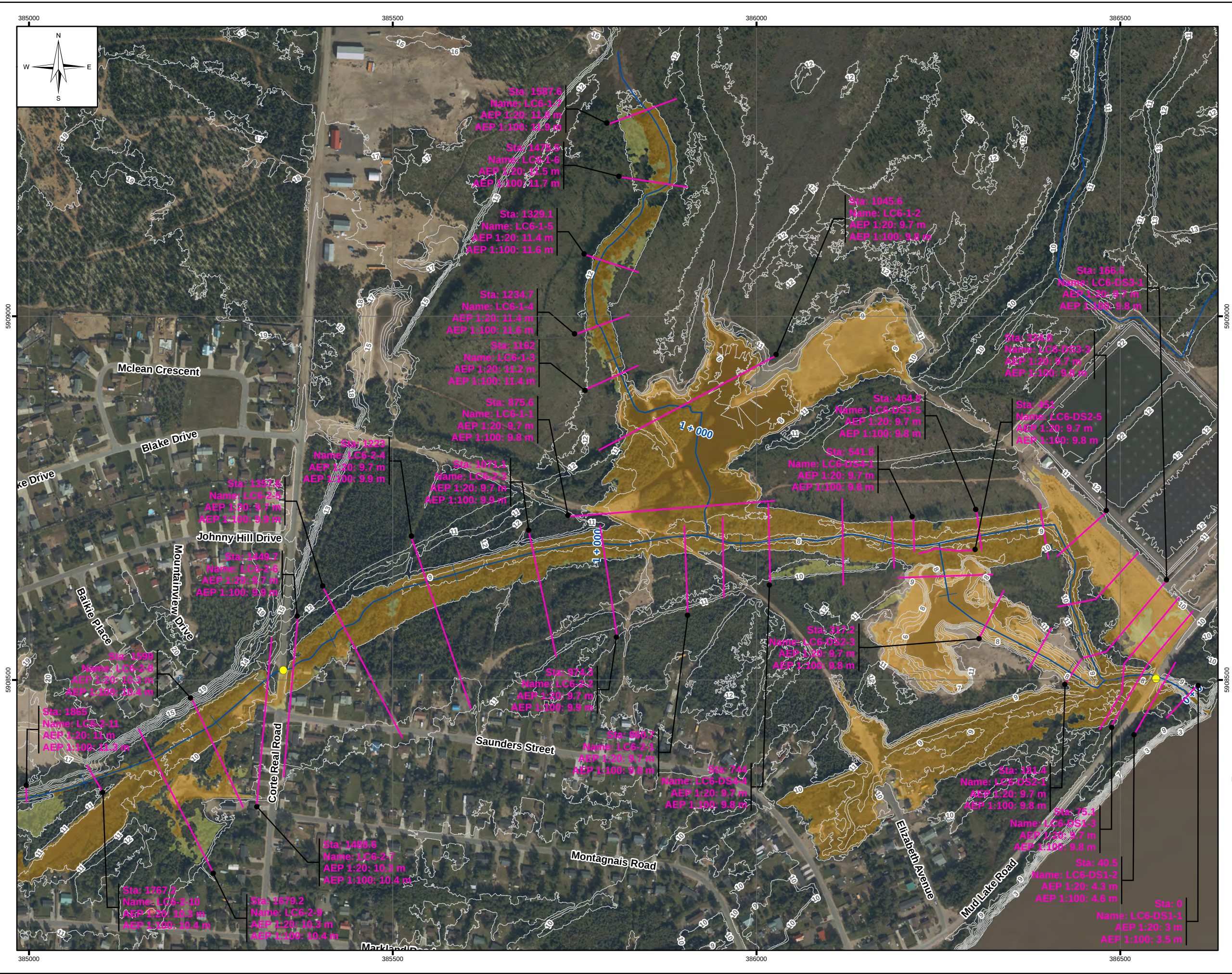
1. Imagery is supplied by ATLAS Geomatics and dated as September 11 – 13, 2019.
2. Topography shown was developed by KGS Group from the LiDAR captured by ATLAS Geomatics on September 11 – 13, 2019.
3. Lake Melville shown at 0.22 metres.
4. Annotation not shown for all cross sections on maps HVGB-2, HVGB-3, HVGB-5 and HVGB-6 for clarity.



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

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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).

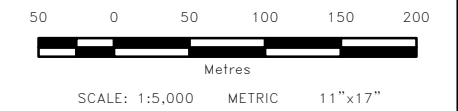
0	20/06/30	ISSUED WITH FINAL REPORT		DSB	MSW
NO.	YY/MM/DD	DESCRIPTION		ISSUED BY	CHECK BY
REVISIONS / ISSUE					
KGS GROUP CONSULTING ENGINEERS		 Newfoundland Labrador			
CHURCHILL RIVER FLOOD RISK AND FORECASTING					
OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – HVGB-4					
JUNE 2020		FIGURE 1.2		REV:	0



LEGEND:

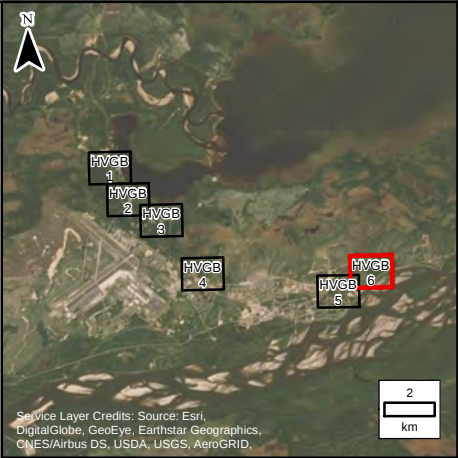
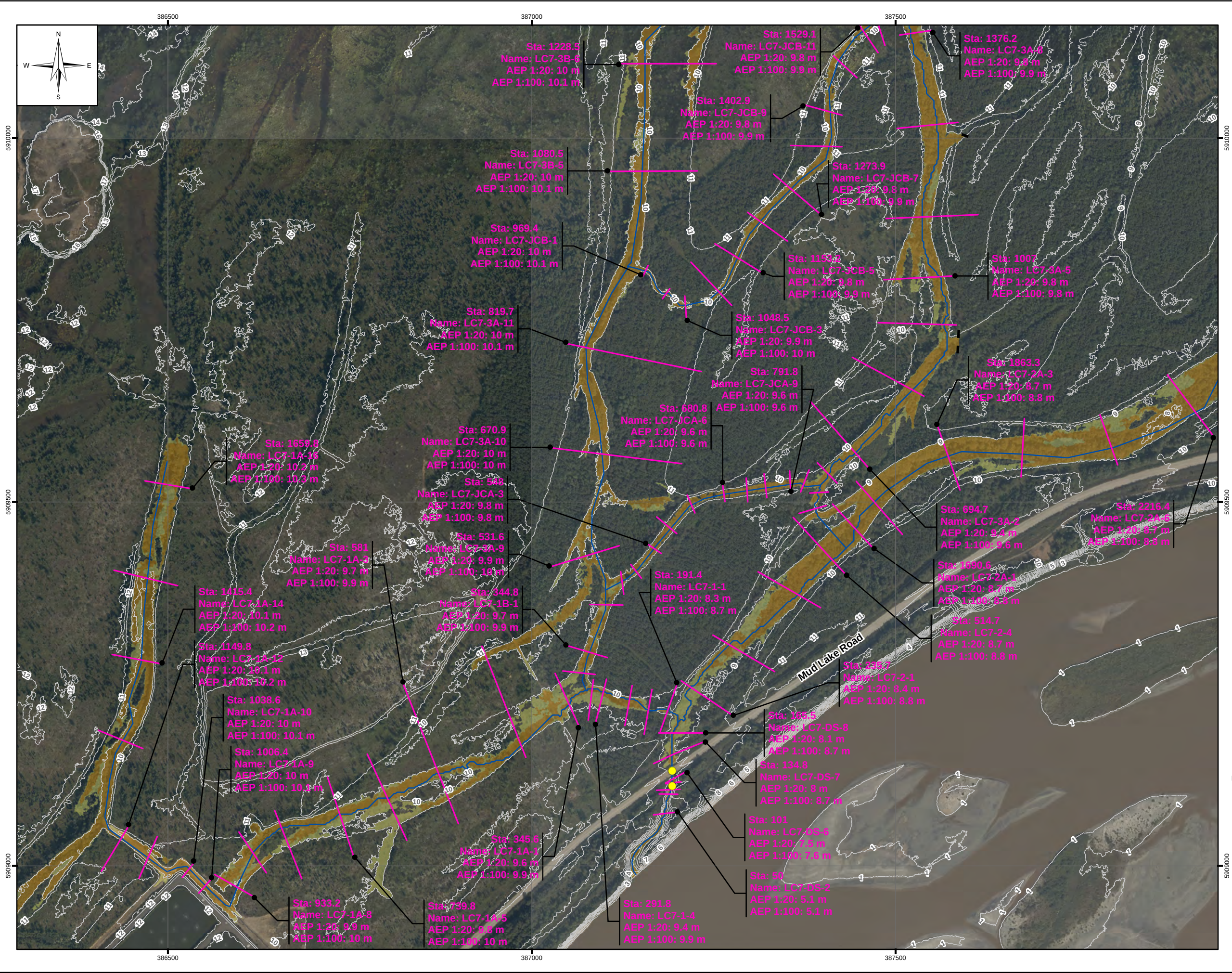
- Cross Section
- 1:20 Year Open Water Flood Zone
- 1:100 Year Open Water Flood Zone
- Creek Centreline
- 1m LiDAR Contour
- Limit of Mapping
- Modelled Culverts

- 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 0.22 metres.
 4. Annotation not shown for all cross sections on maps HVGB-2, HVGB-3, HVGB-5 and HVGB-6 for clarity.



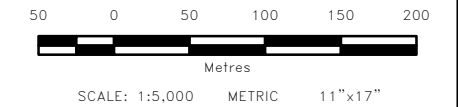
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM)
Zone 4. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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CHURCHILL RIVER FLOOD RISK AND FORECASTING					
OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – HVGB-5					
JUNE 2020		FIGURE 1.2		REV: 0	



- LEGEND:**
- Sta: 1252, Name: LC4-15, AEP 1:20: 12.0 m, AEP 1:100: 12.1 m
 - Cross Section
 - 1:20 Year Open Water Flood Zone
 - 1:100 Year Open Water Flood Zone
 - Creek Centreline
 - 1m LiDAR Contour
 - Limit of Mapping
 - Modelled Culverts

- 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 0.22 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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REVISIONS / ISSUE				
				
CHURCHILL RIVER FLOOD RISK AND FORECASTING				
OPEN WATER FLOOD ZONE FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) – HVGB-6				
JUNE 2020		FIGURE 1.2	REV:	0