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LEGEND:

- Water Survey of Canada Gauge Location
- River Centreline

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m
- Map Extents

NOTES:

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

1 0 1 2 3 4
Kilometres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – OVERVIEW MAP

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_Overview_11x17.mxd
11"x17" PLOT SCALE 1:1

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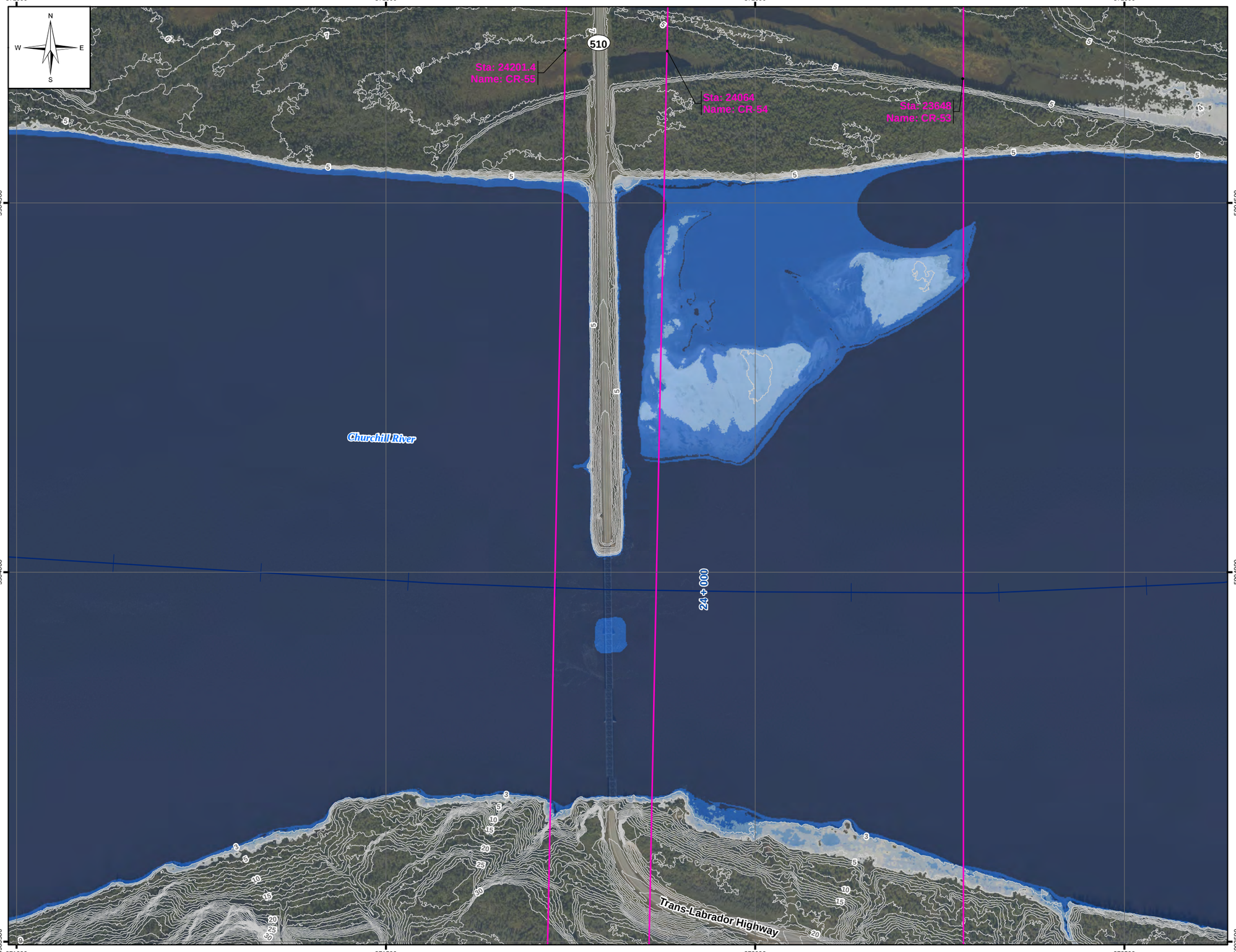

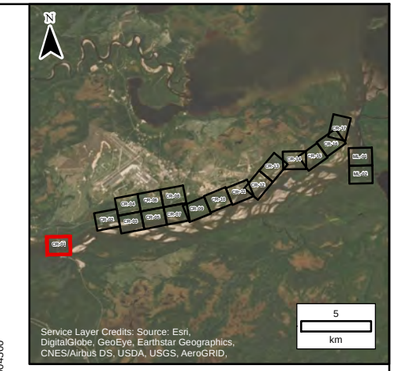

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–01

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_11x17.mxd
11"x17" PLOT SCALE 1:1

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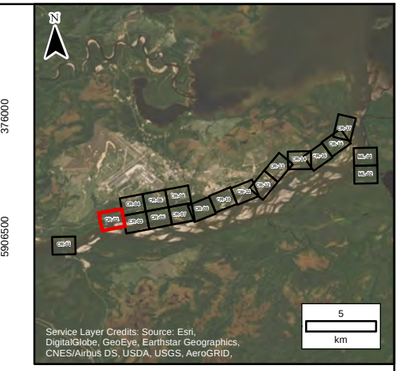

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–02

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_11x17.mxd
11"x17" PLOT SCALE 1:1

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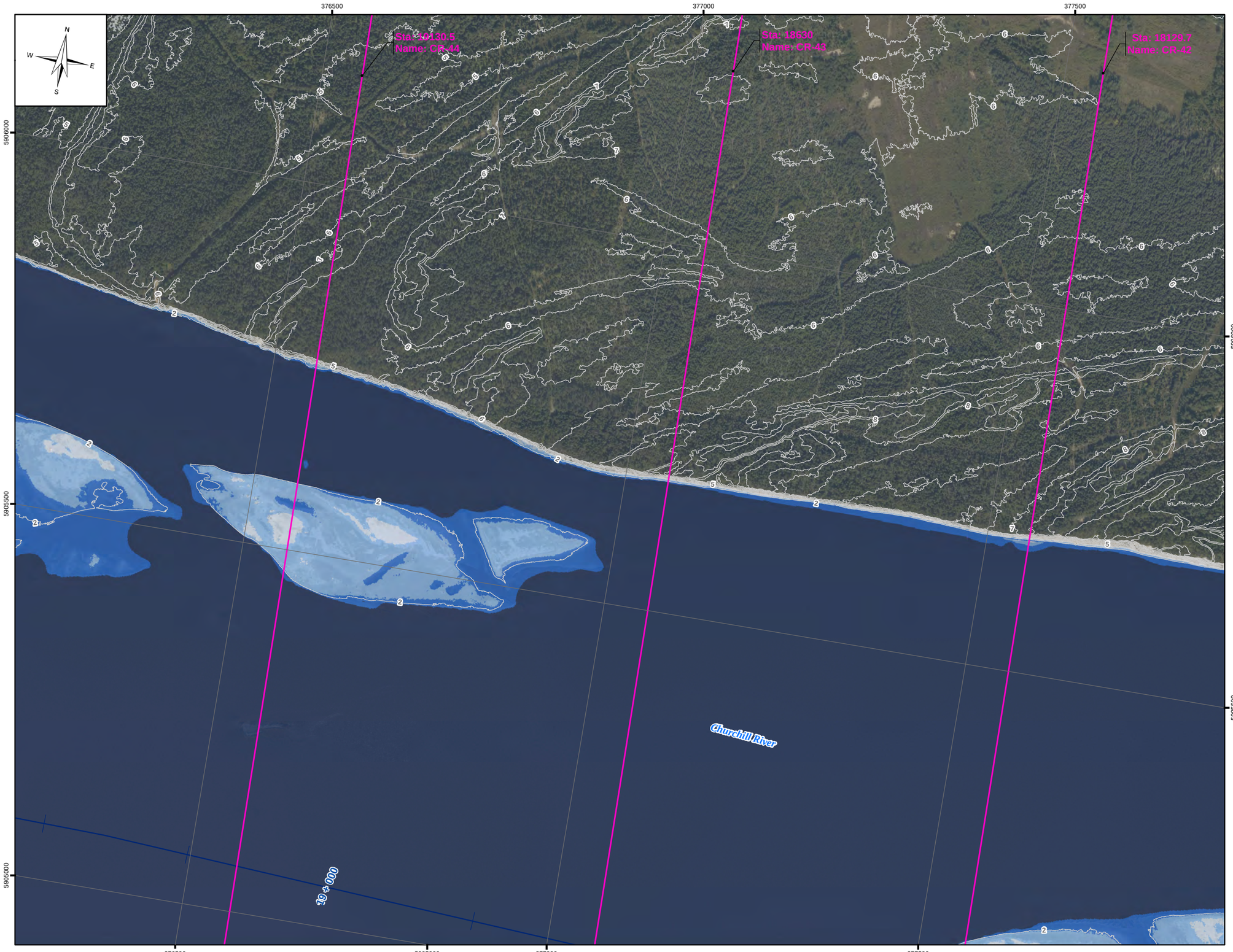

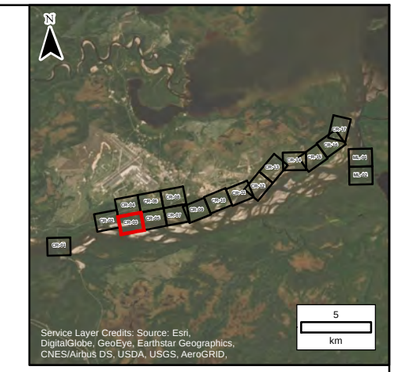

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–03

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_11x17.mxd
11"x17" PLOT SCALE 1:1

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LEGEND:

- Cross Section (Sta: 23648, Name: CR-53)
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–04

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_11x17.mxd
11"x17" PLOT SCALE 1:1

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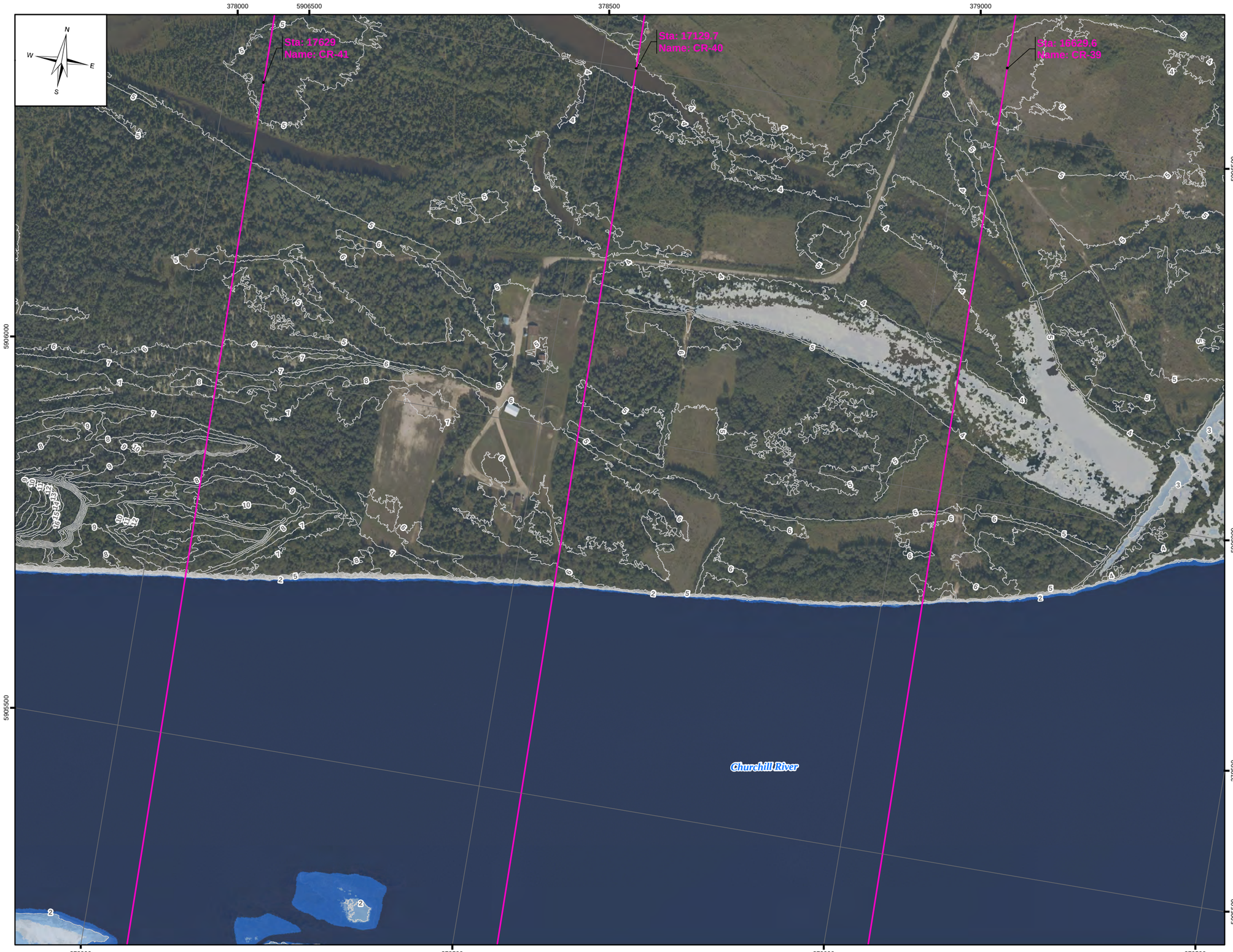

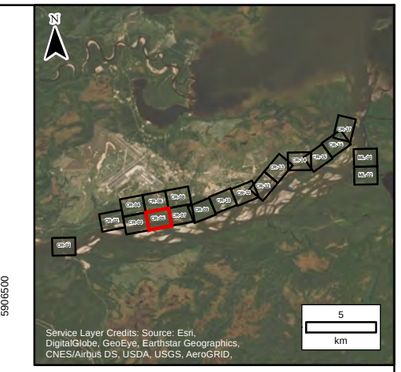

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–05

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_11x17.mxd
11"x17" PLOT SCALE 1:1

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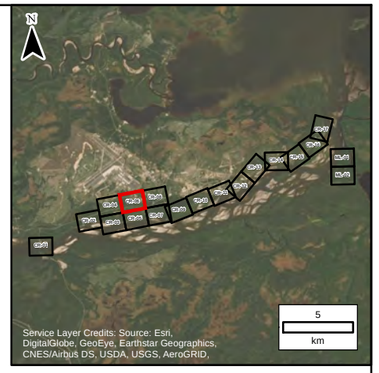

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–06

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_11x17.mxd
11"x17" PLOT SCALE 1:1

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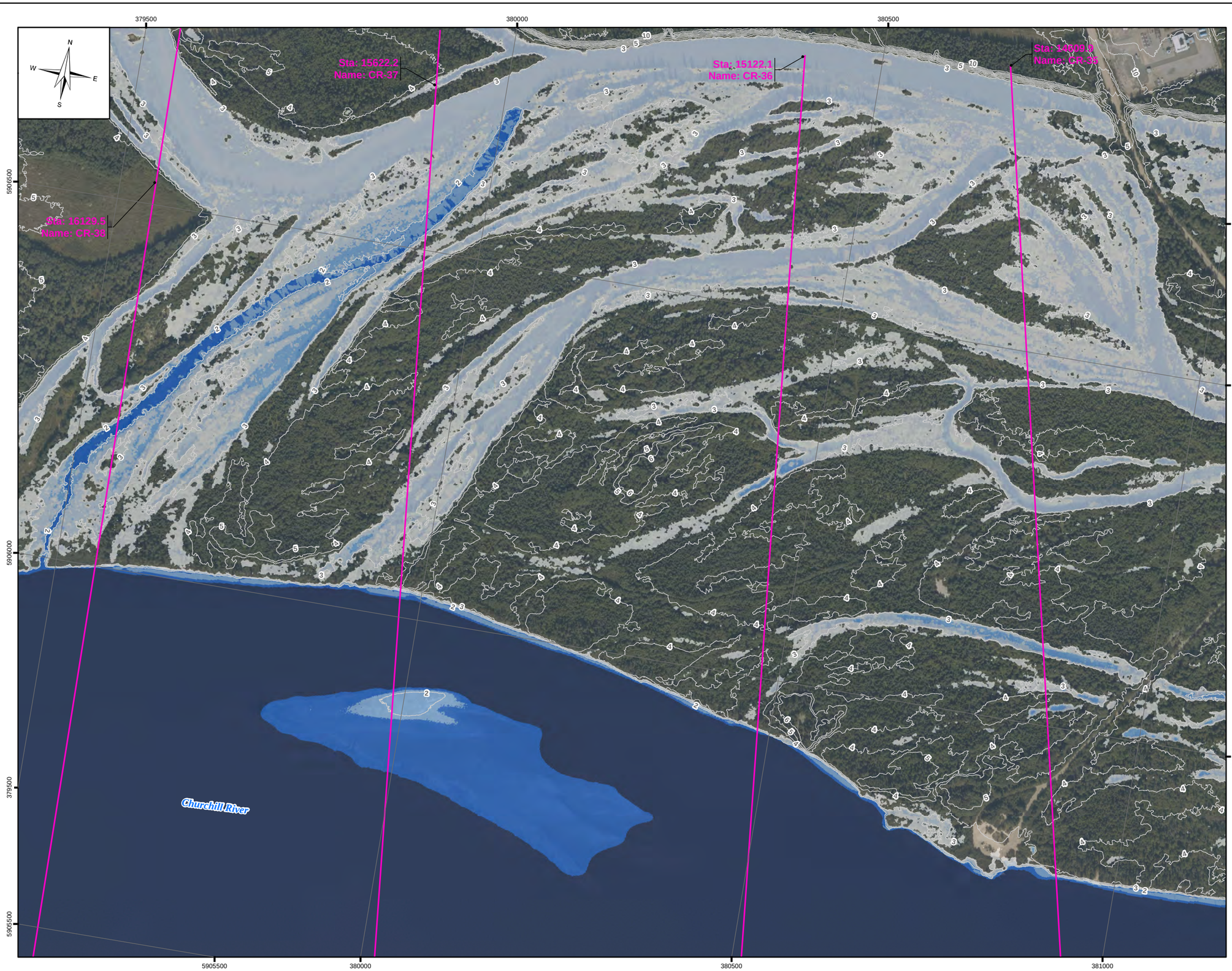

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–07

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_11x17.mxd
11"x17" PLOT SCALE 1:1

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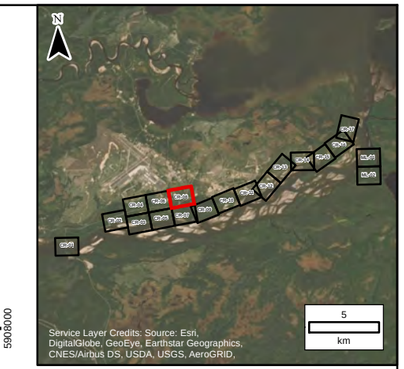

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–08

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_11x17.mxd
11"x17" PLOT SCALE 1:1

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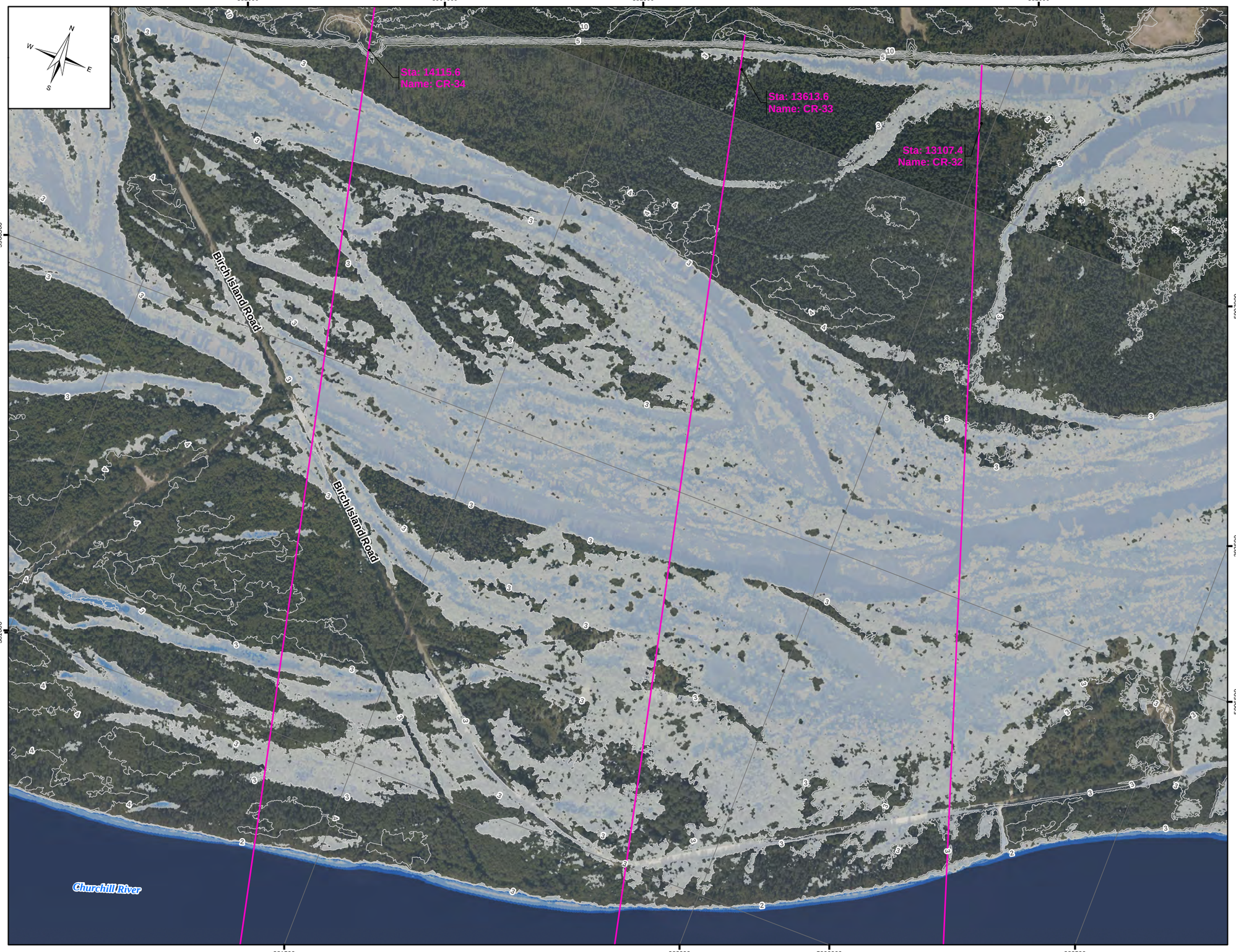

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–09

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_11x17.mxd
11"x17" PLOT SCALE 1:1

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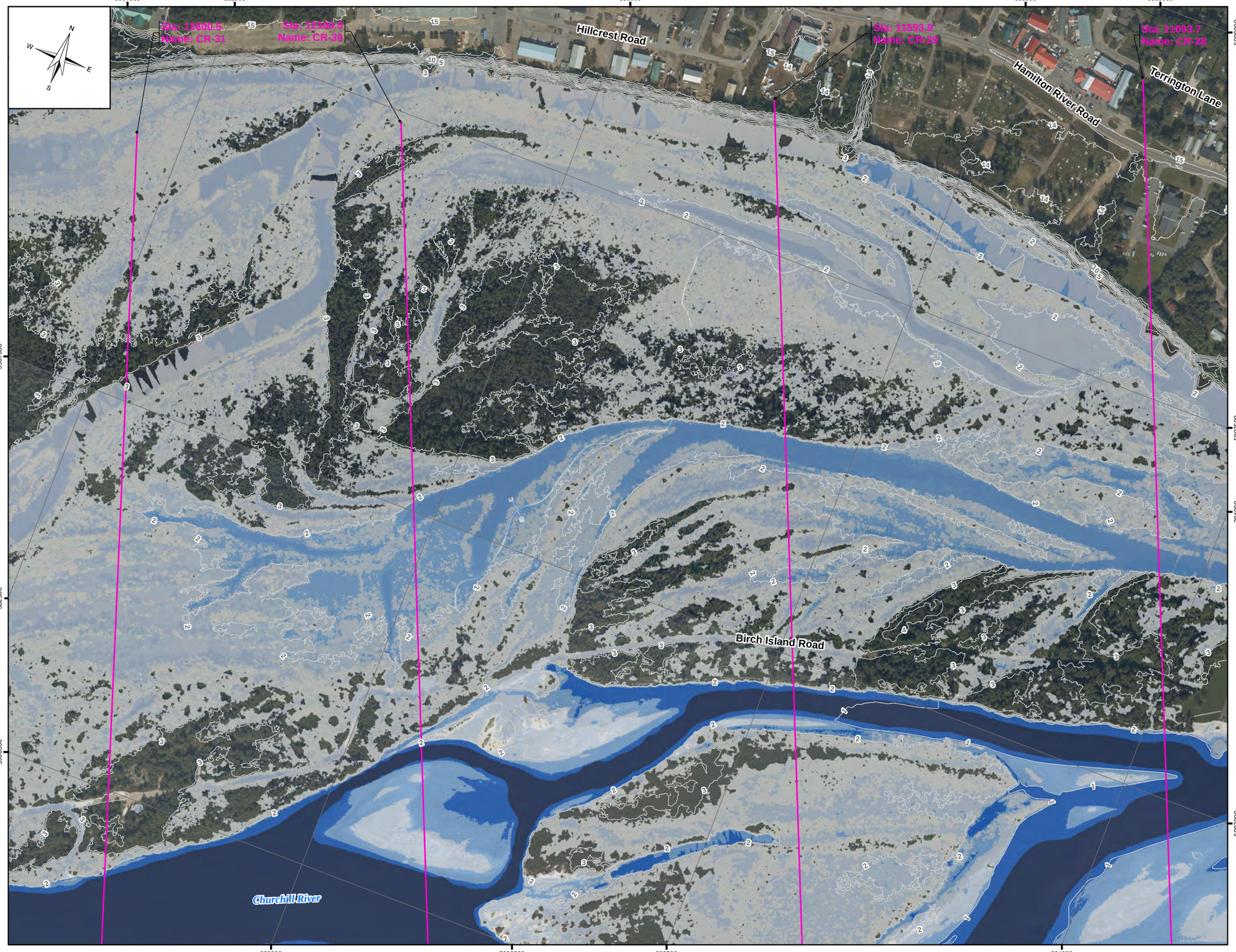

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–10

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_11x17.mxd
11"x17" PLOT SCALE 1:1

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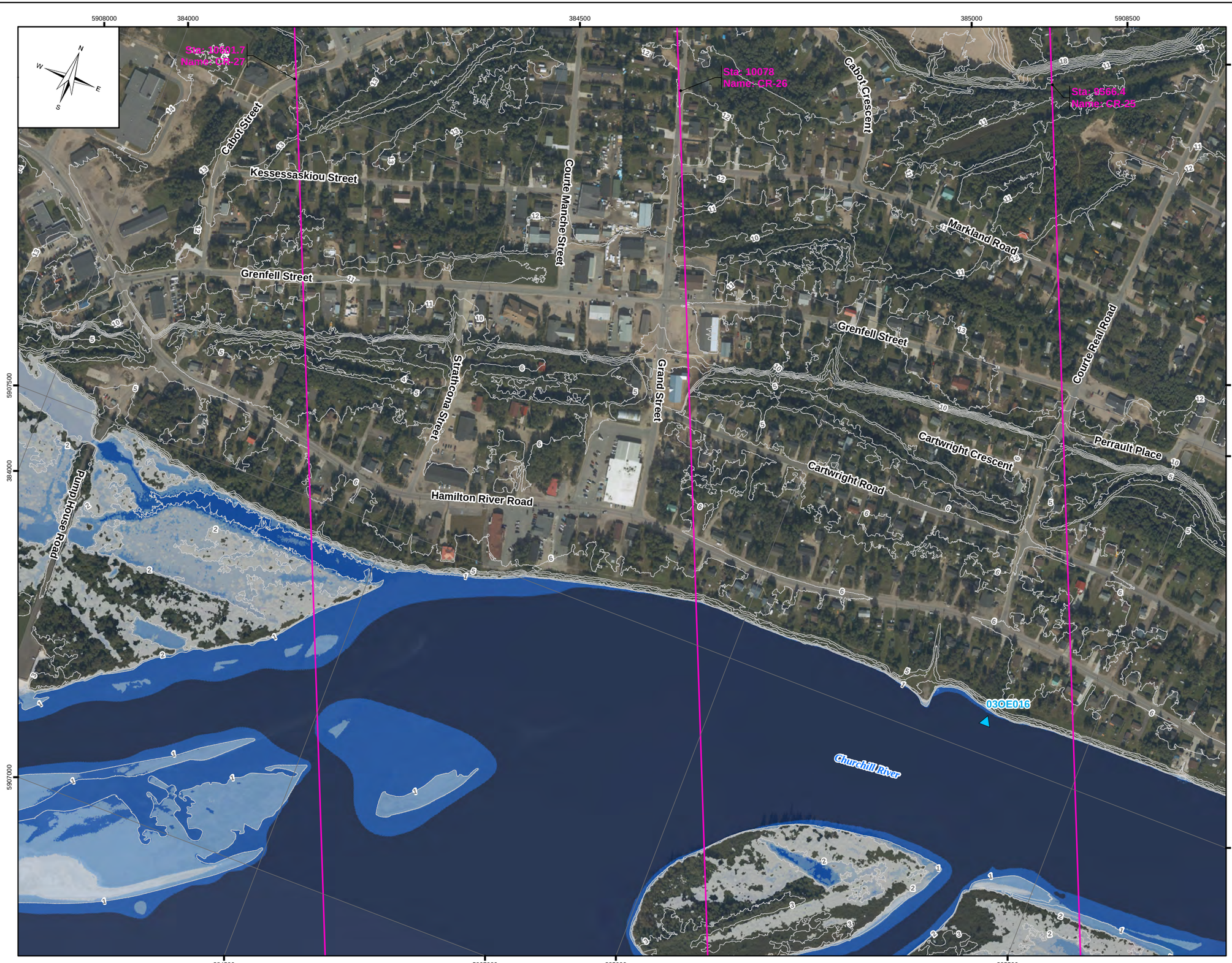

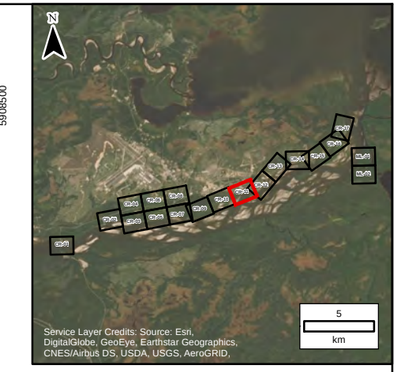

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–11

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_11x17.mxd
11"x17" PLOT SCALE 1:1

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LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–12

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_11x17.mxd
11"x17" PLOT SCALE 1:1

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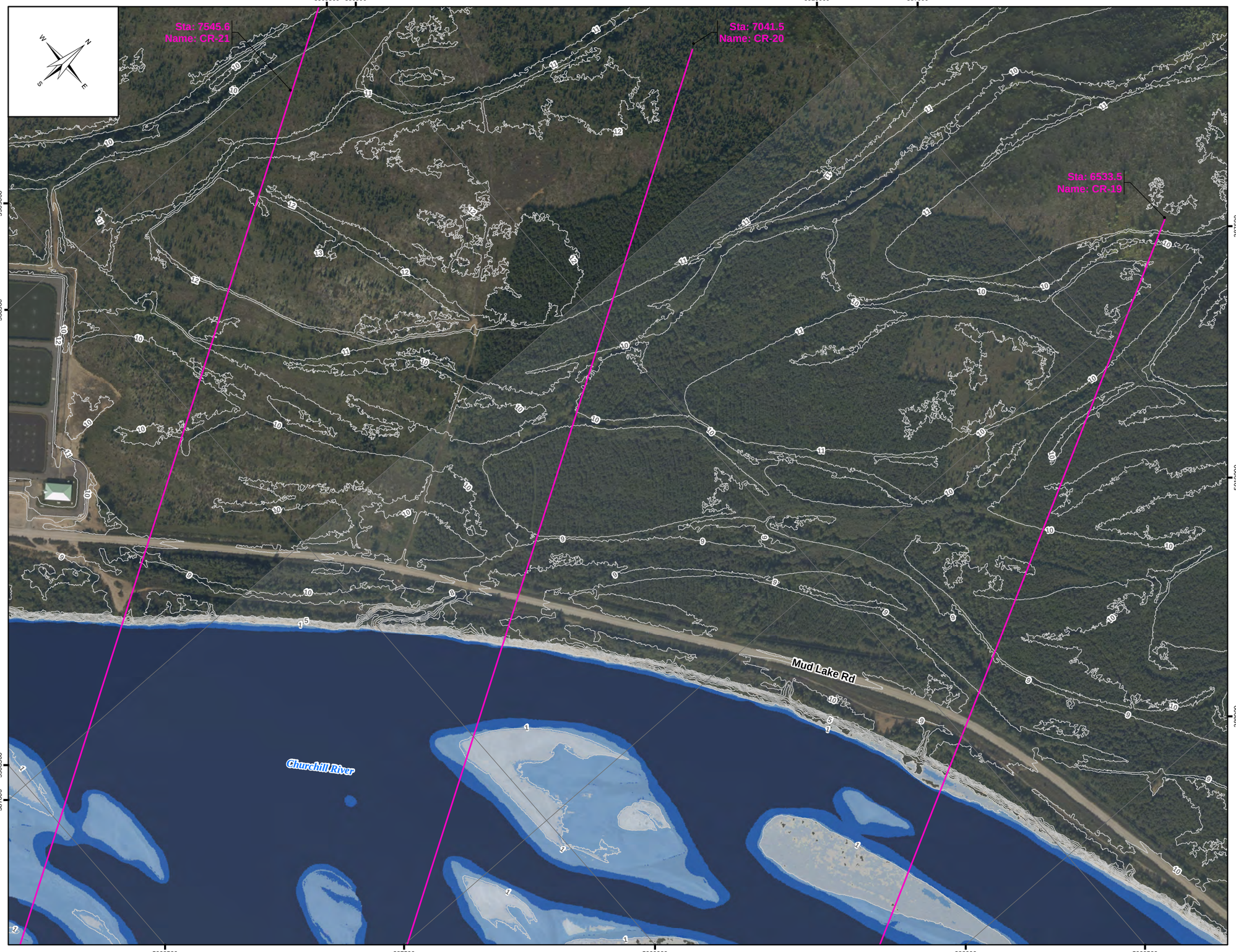

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–13

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_11x17.mxd
11"x17" PLOT SCALE 1:1

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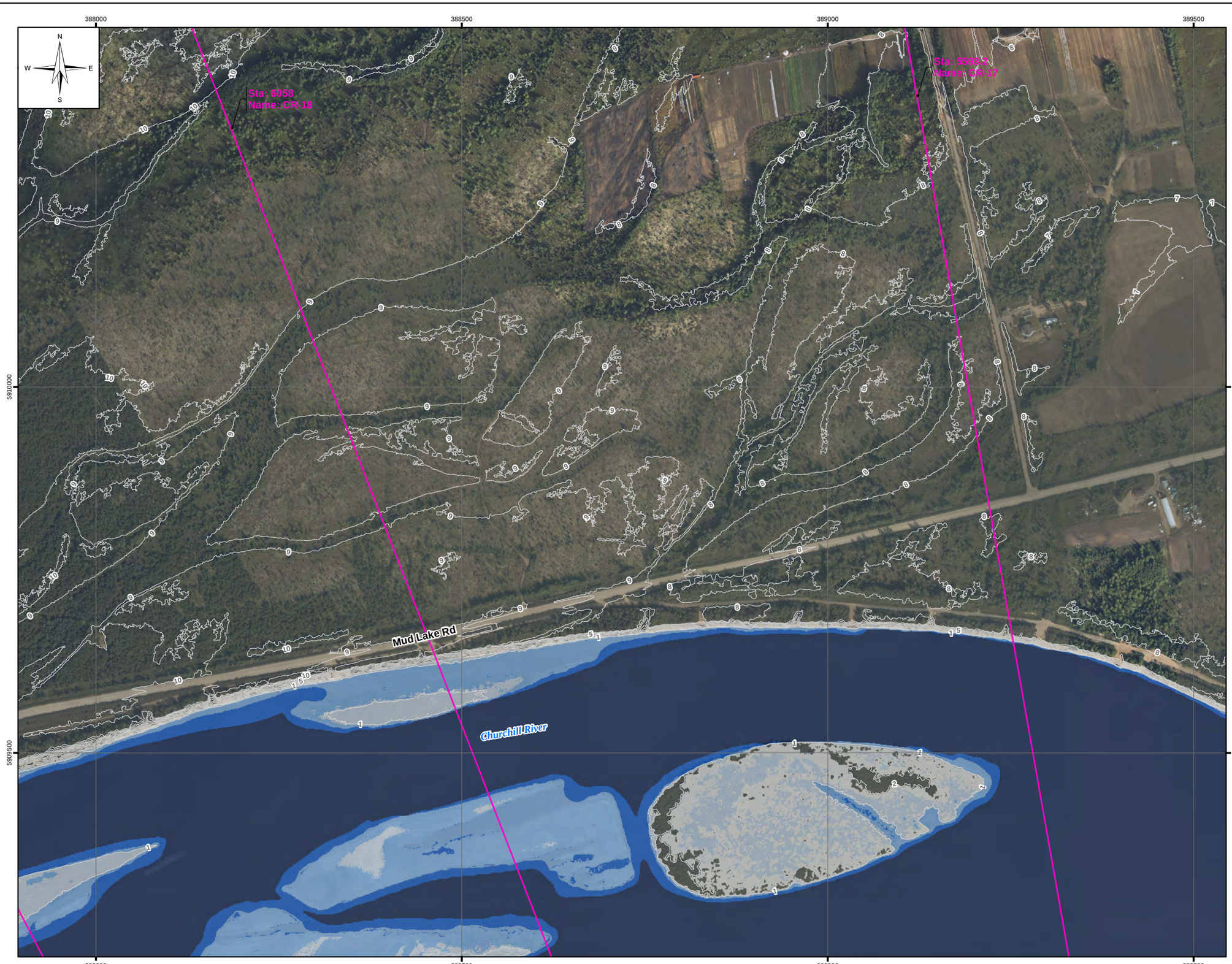

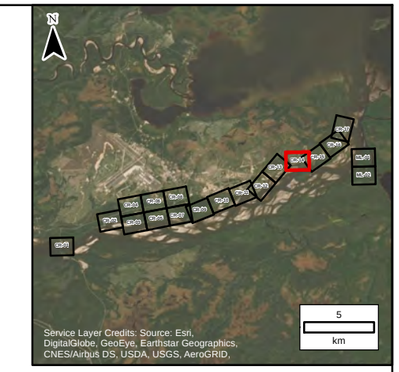

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY
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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–14

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_11x17.mxd
11"x17" PLOT SCALE 1:1

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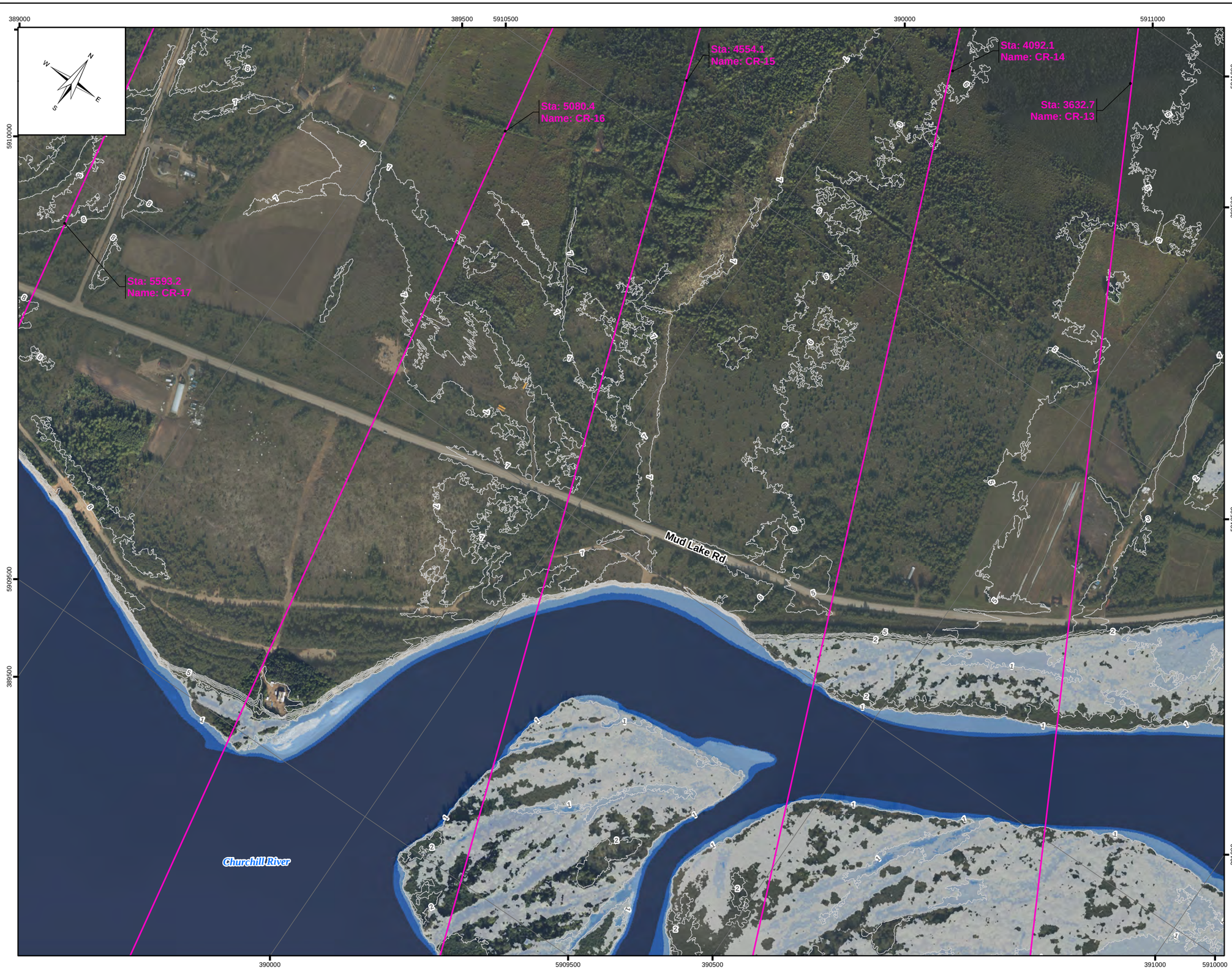

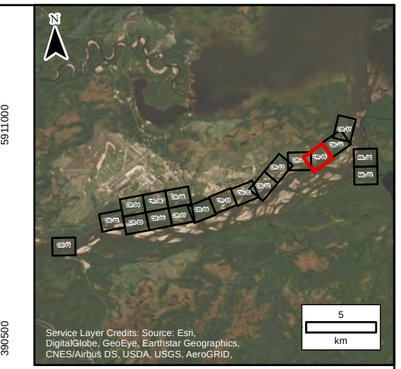

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–15

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_11x17.mxd
11"x17" PLOT SCALE 1:1

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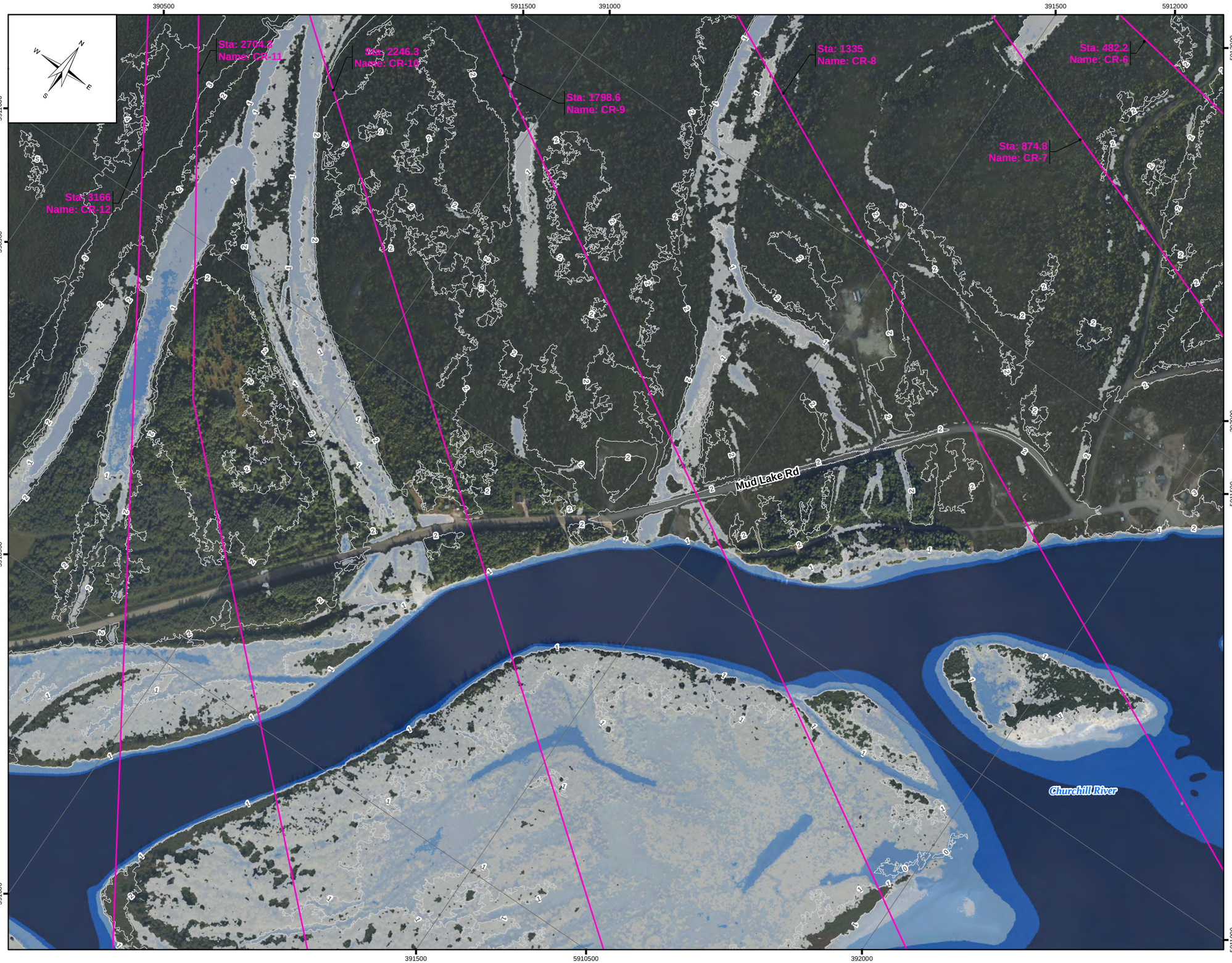

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–16

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_11x17.mxd
11"x17" PLOT SCALE 1:1

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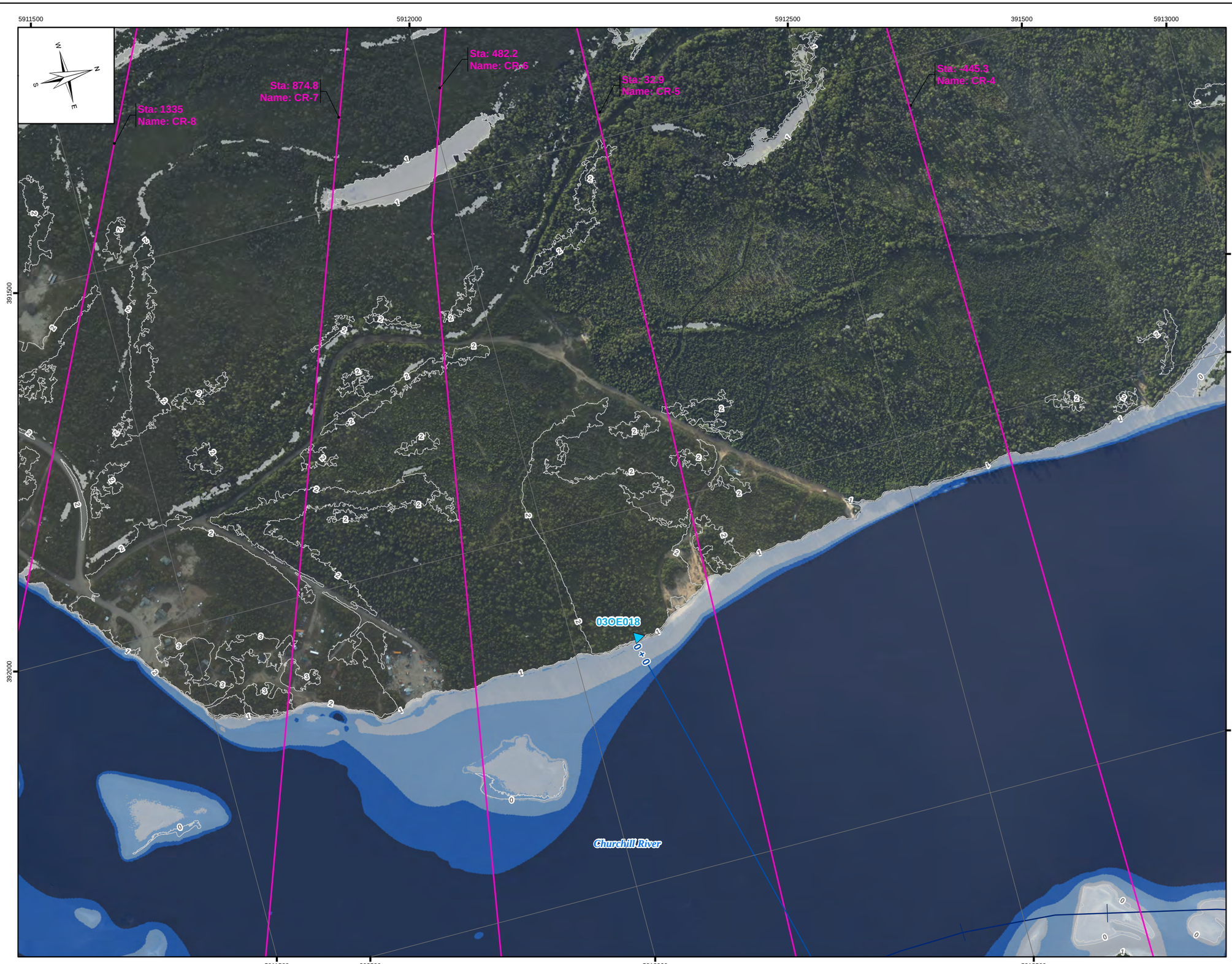

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–17

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_11x17.mxd
11"x17" PLOT SCALE 1:1

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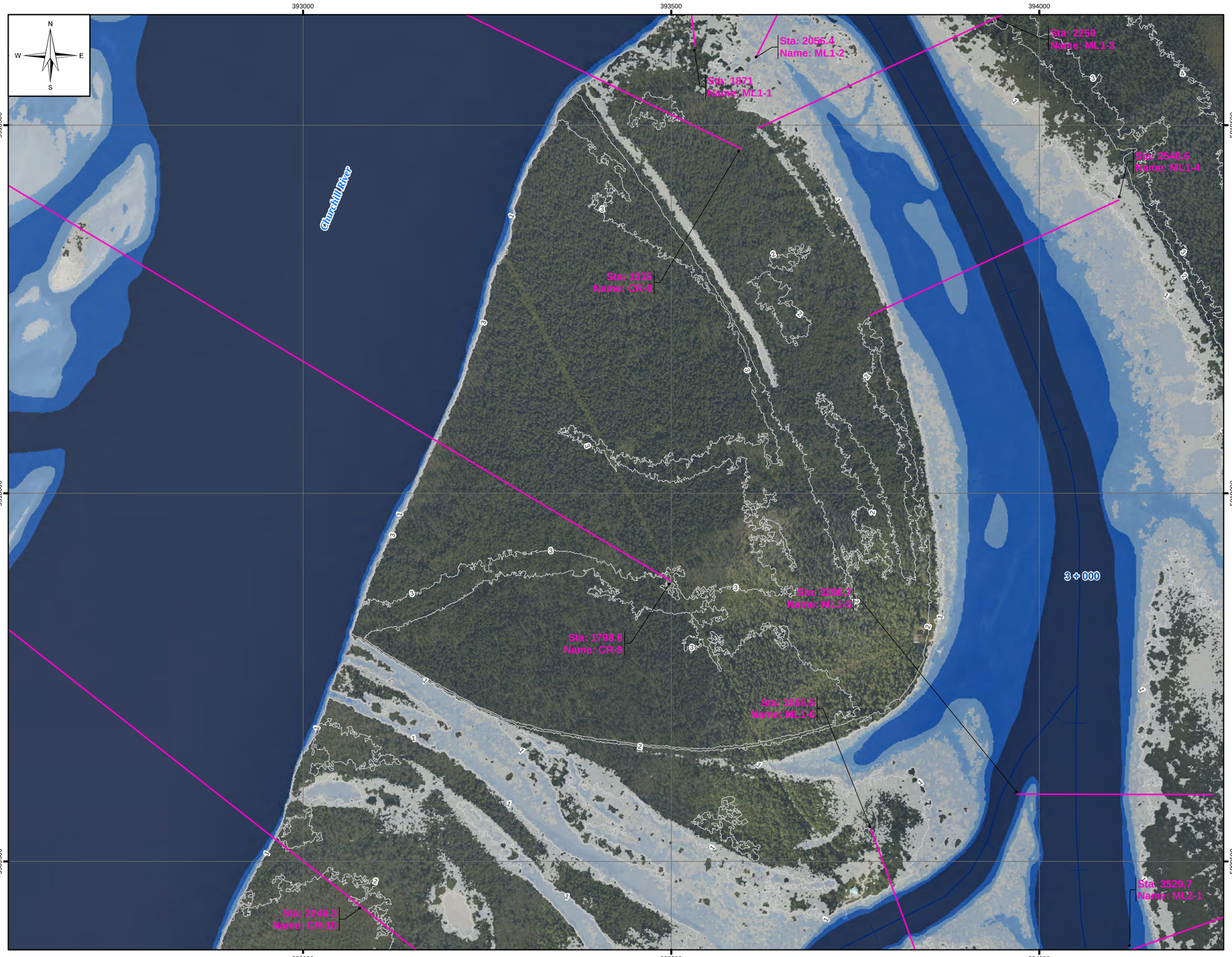

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – ML–01

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_11x17.mxd
11"x17" PLOT SCALE 1:1

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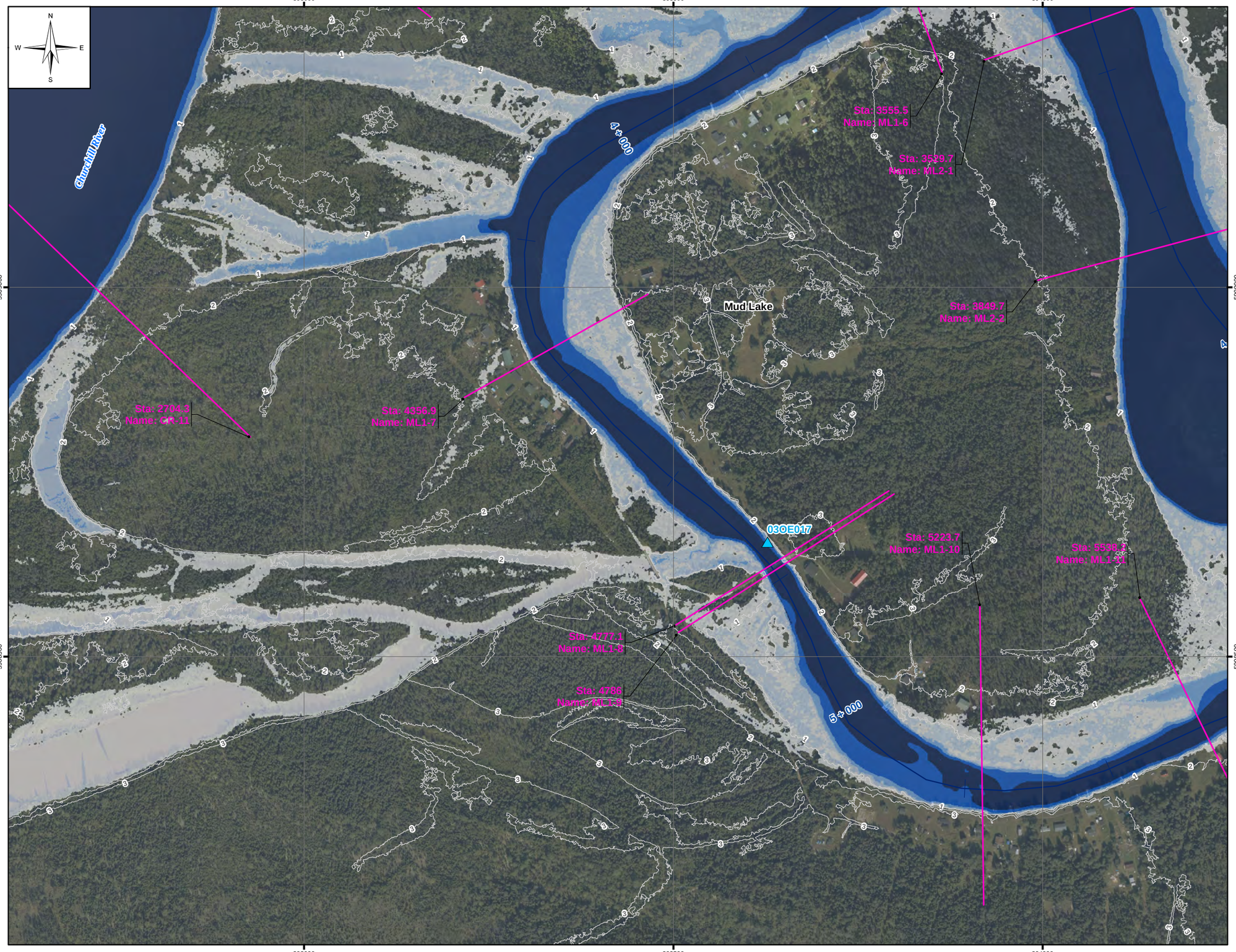

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – ML–02

JUNE 2020 | FIGURE 6.1 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.1_11x17.mxd
11"x17" PLOT SCALE 1:1

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LEGEND:

- Water Survey of Canada Gauge Location
- River Centreline

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m
- Map Extents

NOTES:

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

1 0 1 2 3 4
Kilometres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – OVERVIEW MAP

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_Overview_11x17.mxd
11"x17" PLOT SCALE 1:1

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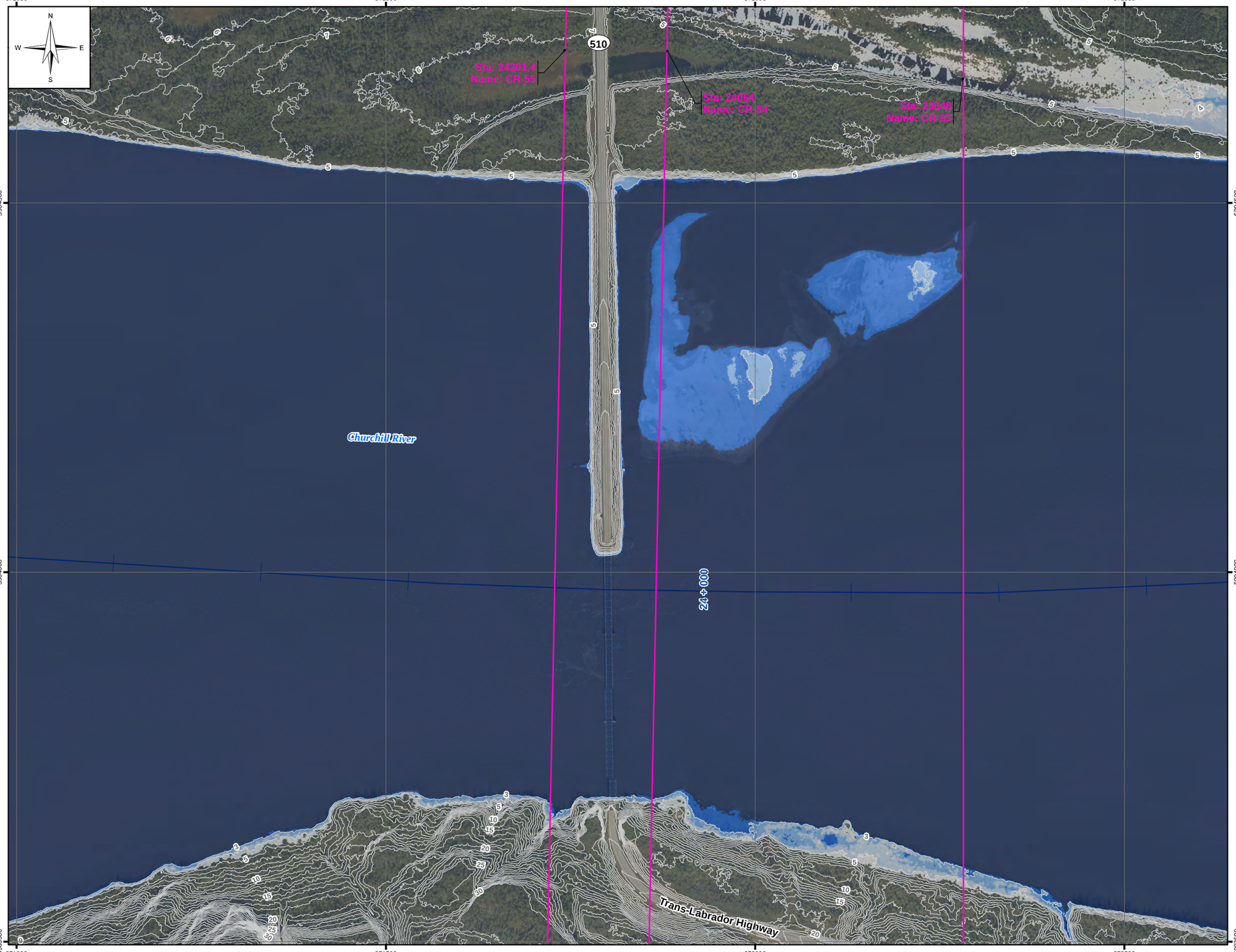

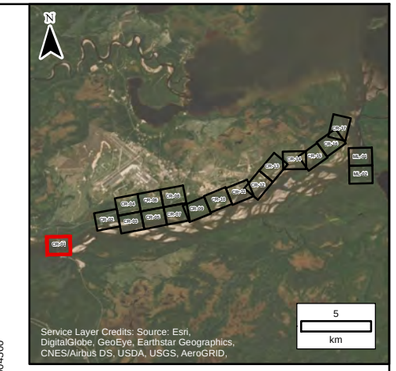

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY
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CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–01

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_11x17.mxd
11"x17" PLOT SCALE 1:1

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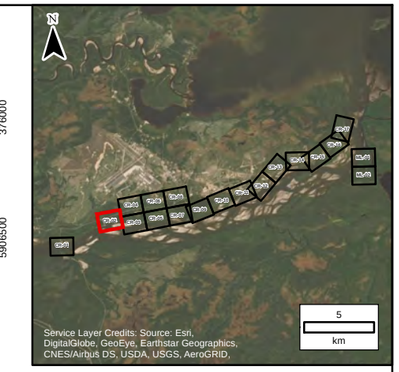

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–02

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_11x17.mxd
11"x17" PLOT SCALE 1:1

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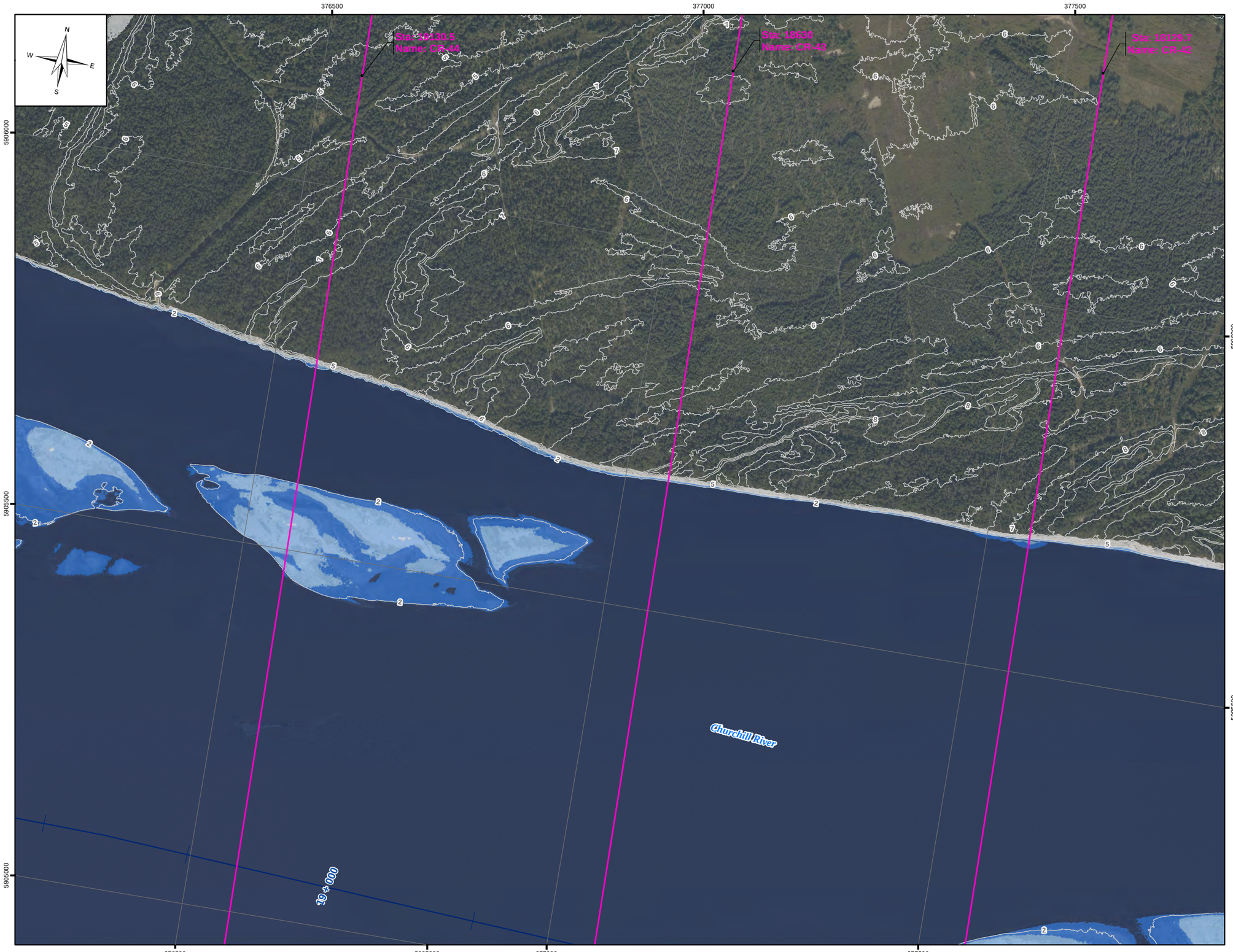

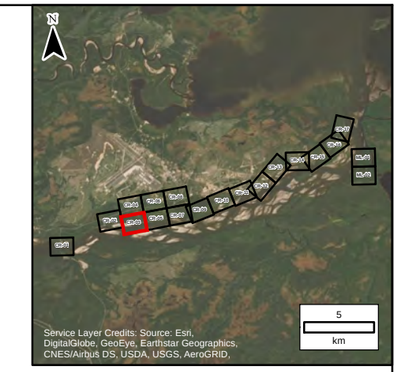

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–03

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_11x17.mxd
11"x17" PLOT SCALE 1:1

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LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY
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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–04

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_11x17.mxd
11"x17" PLOT SCALE 1:1

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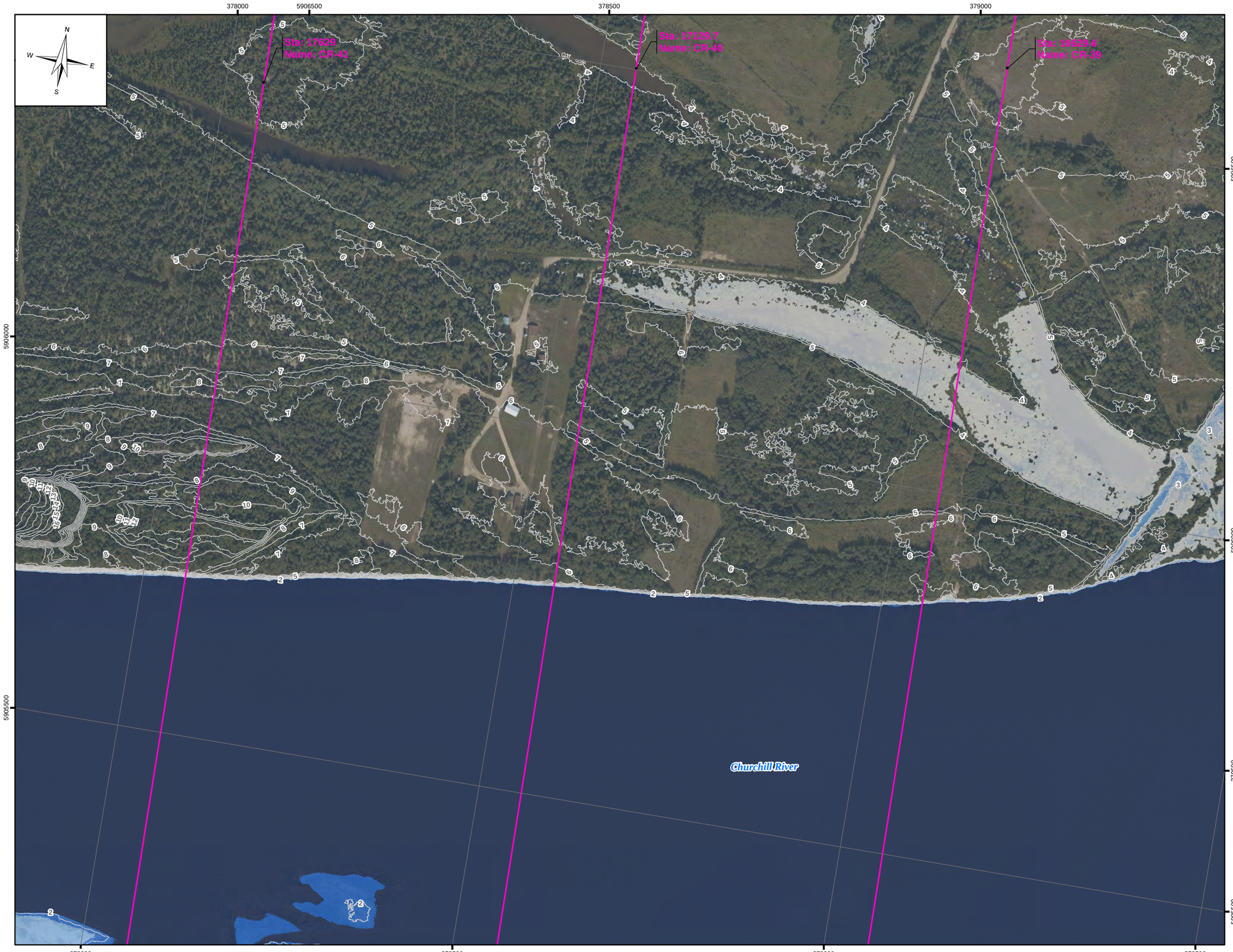

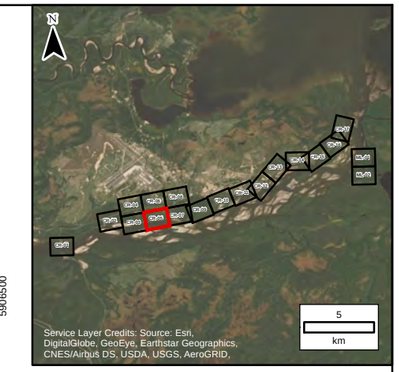

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–05

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_11x17.mxd
11"x17" PLOT SCALE 1:1

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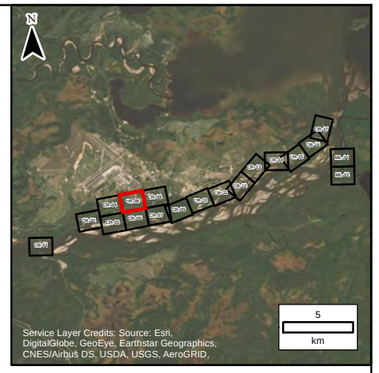

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–06

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_11x17.mxd
11"x17" PLOT SCALE 1:1

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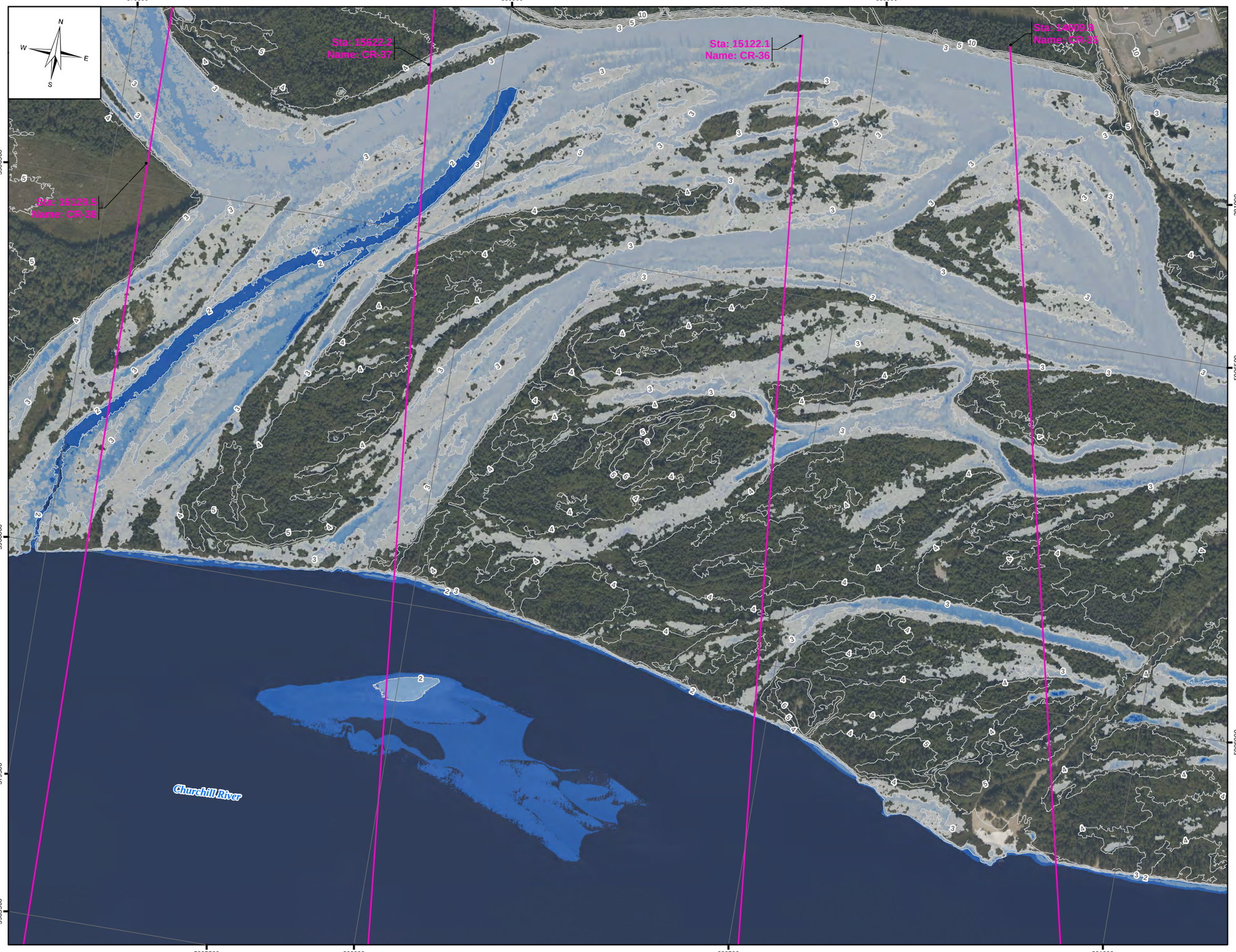

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–07

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_11x17.mxd
11"x17" PLOT SCALE 1:1

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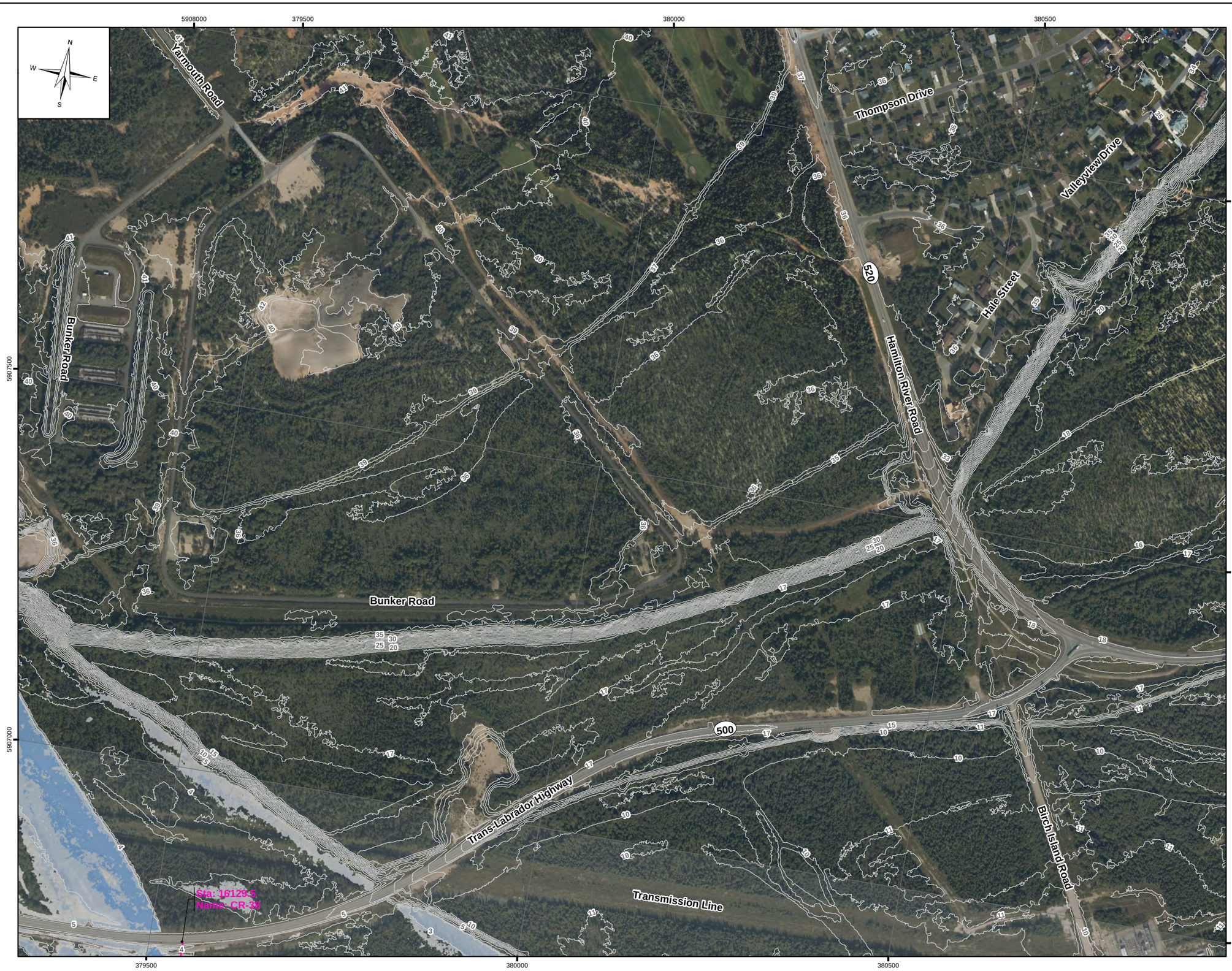

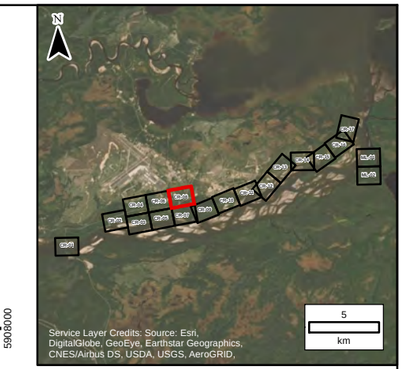

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–08

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_11x17.mxd
11"x17" PLOT SCALE 1:1

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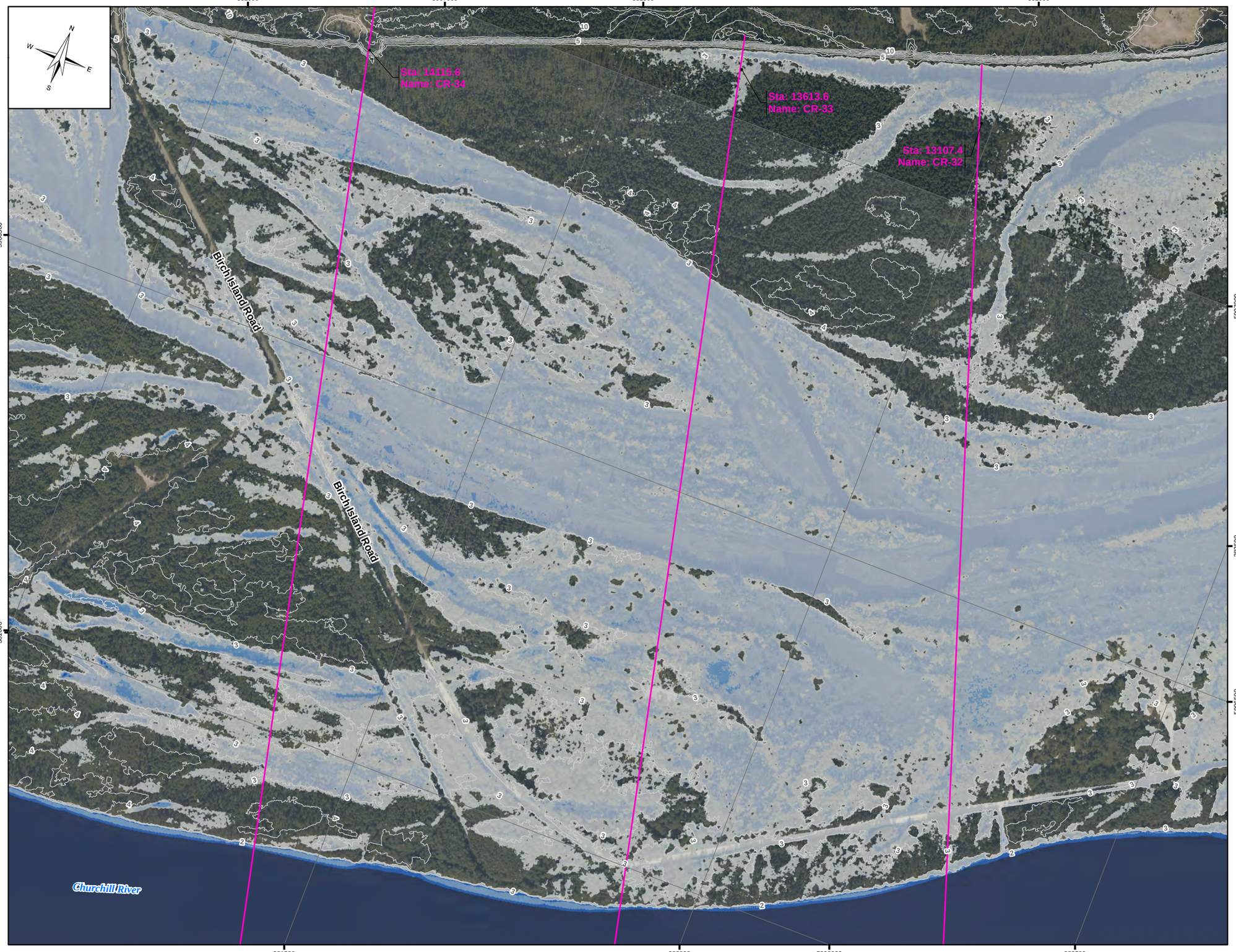

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–09

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_11x17.mxd
11"x17" PLOT SCALE 1:1

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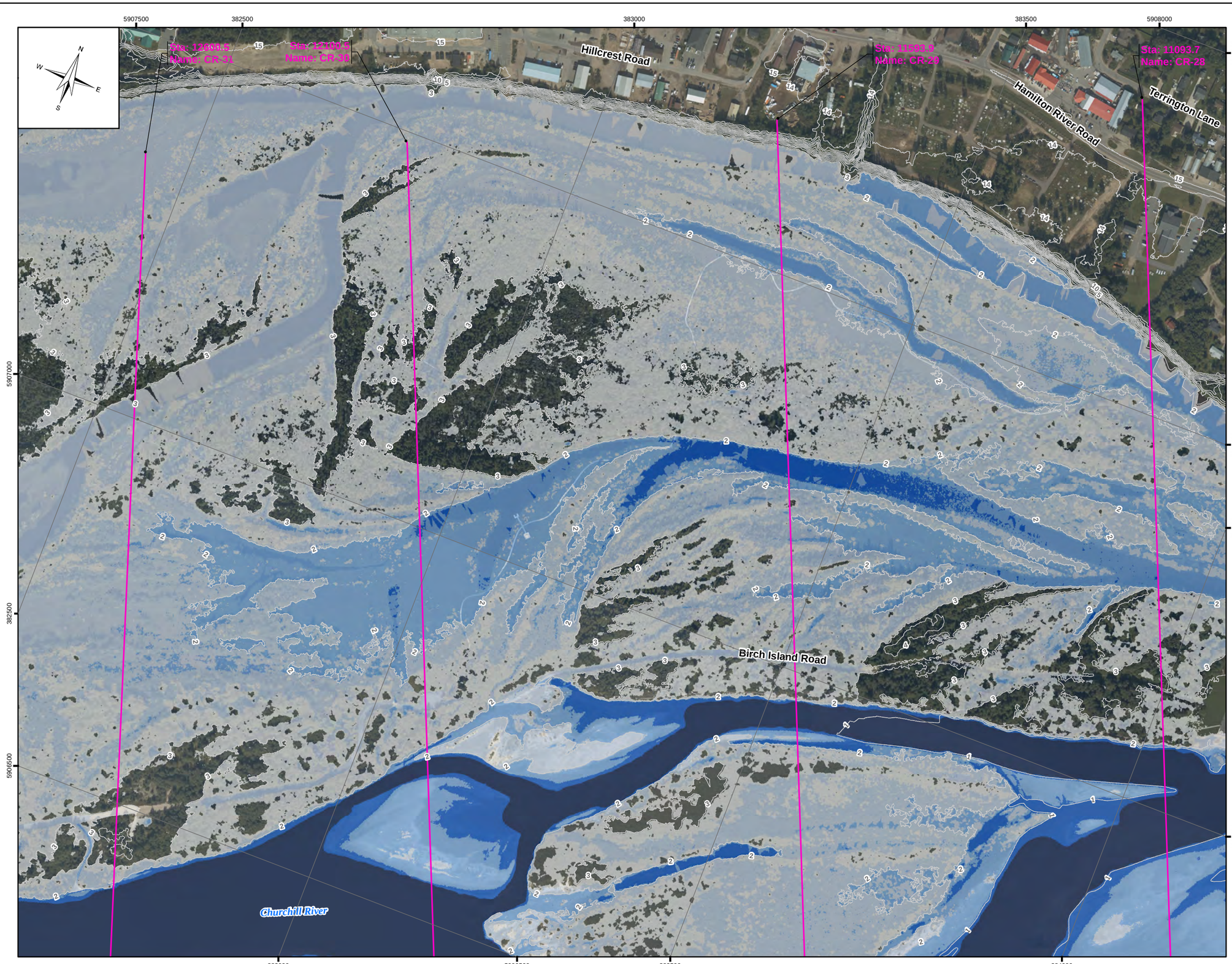

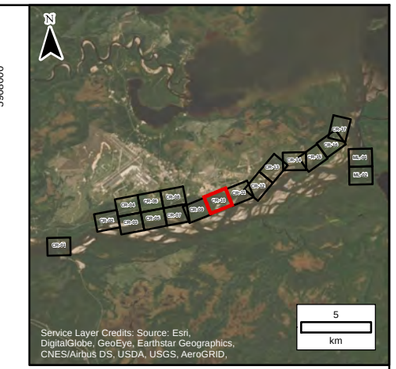

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–10

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_11x17.mxd
11"x17" PLOT SCALE 1:1

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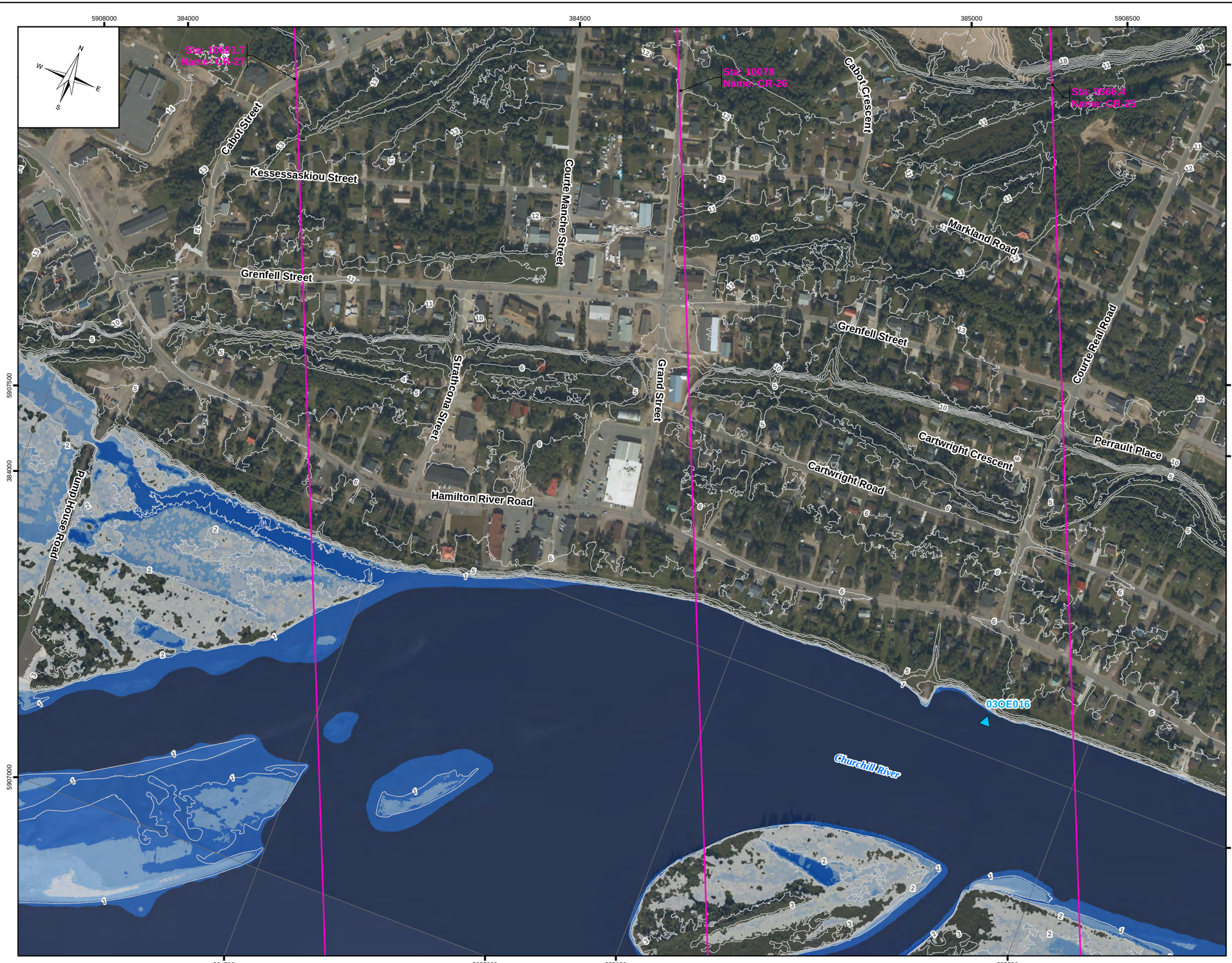

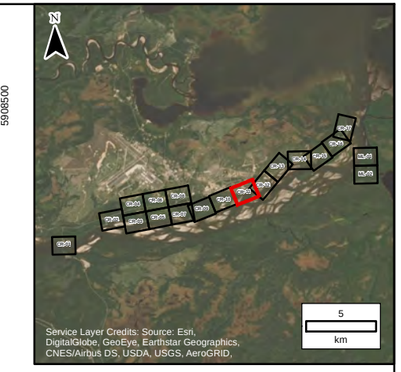

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–11

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_11x17.mxd
11"x17" PLOT SCALE 1:1

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LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–12

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_11x17.mxd
11"x17" PLOT SCALE 1:1

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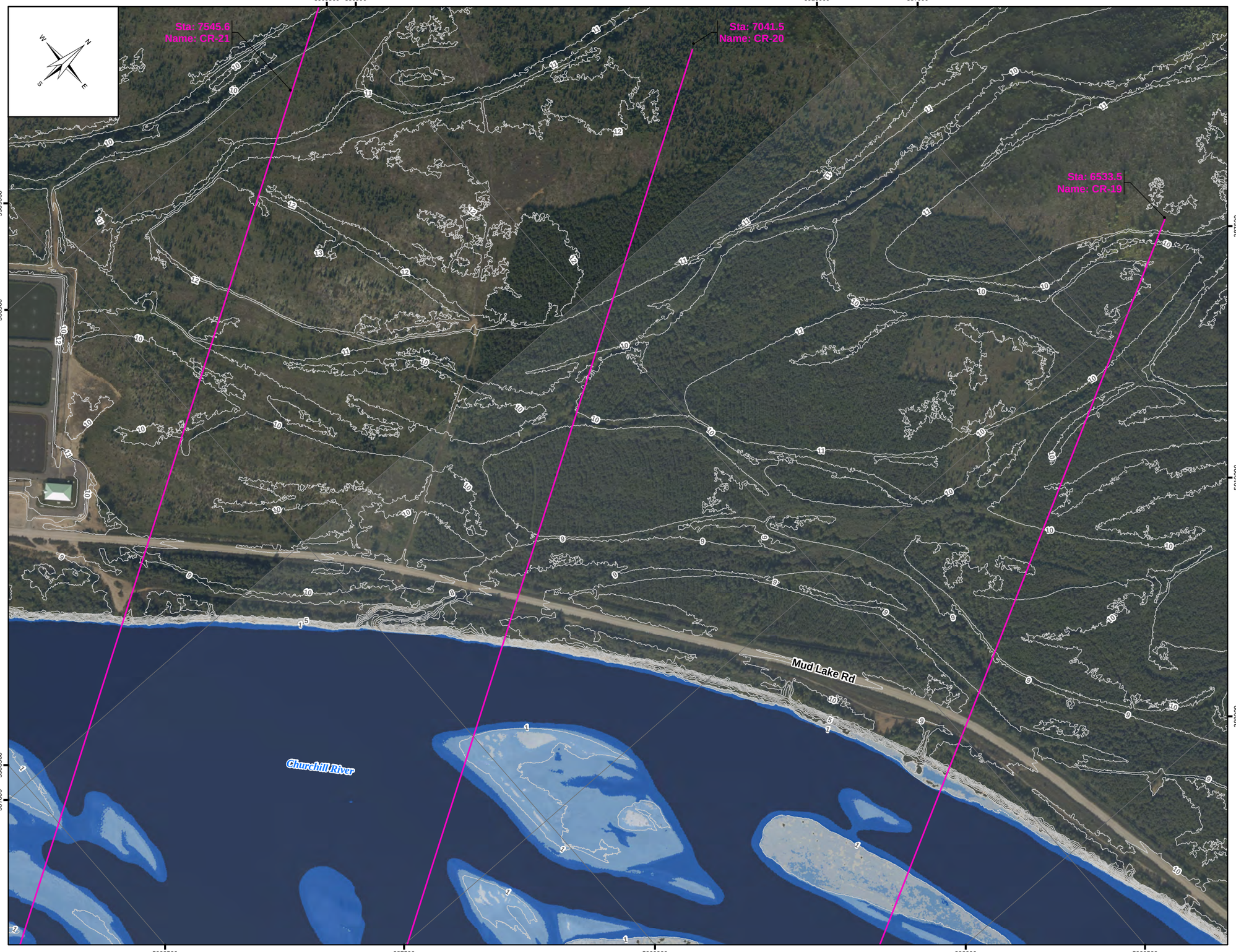

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–13

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_11x17.mxd
11"x17" PLOT SCALE 1:1

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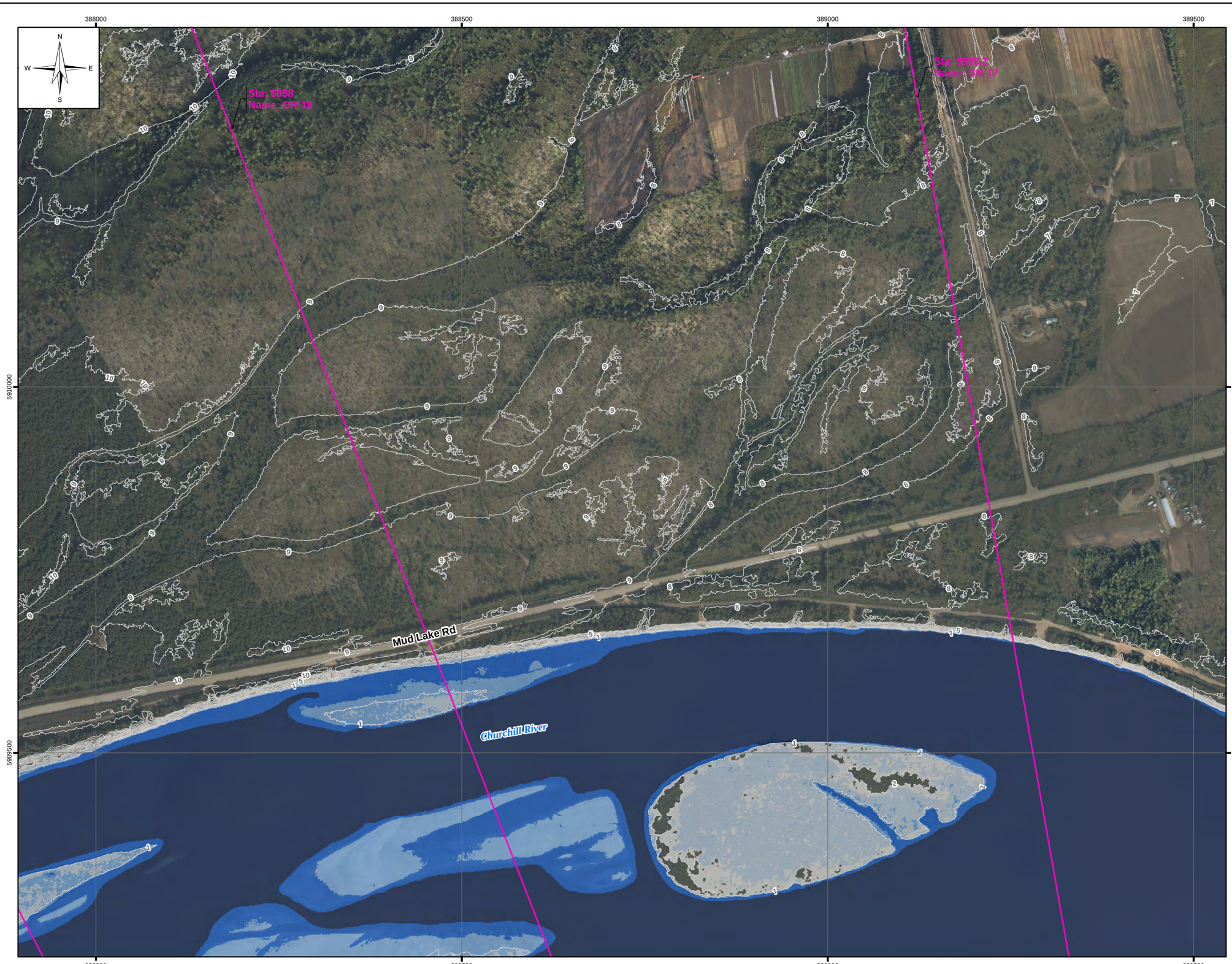

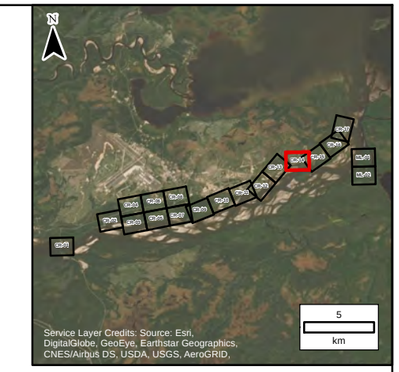

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–14

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_11x17.mxd
11"x17" PLOT SCALE 1:1

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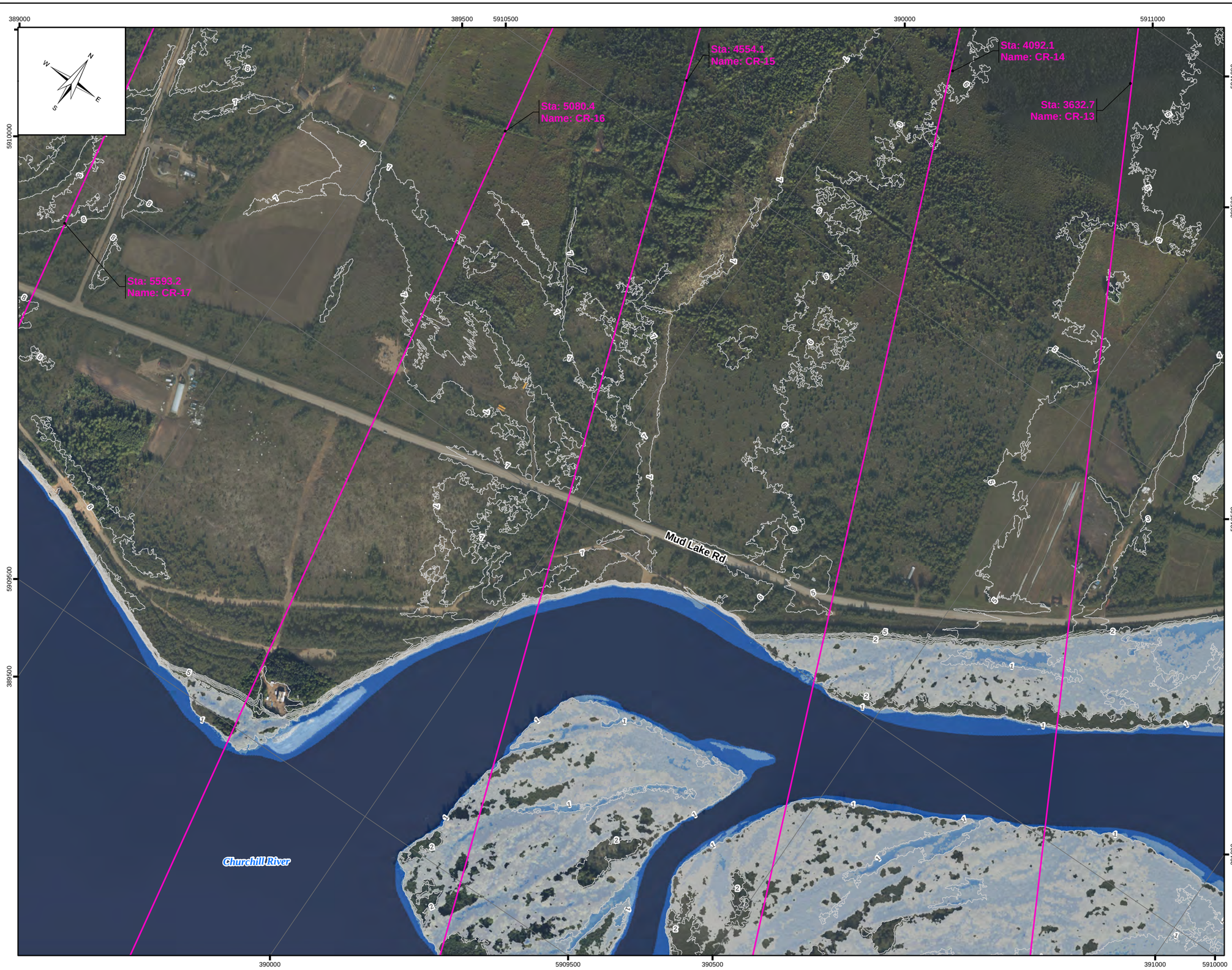

LEGEND:

Sta: 23648
Name: CR-53

Cross Section

Water Survey of Canada Gauge Location

River Centreline

1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–15

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_11x17.mxd
11"x17" PLOT SCALE 1:1

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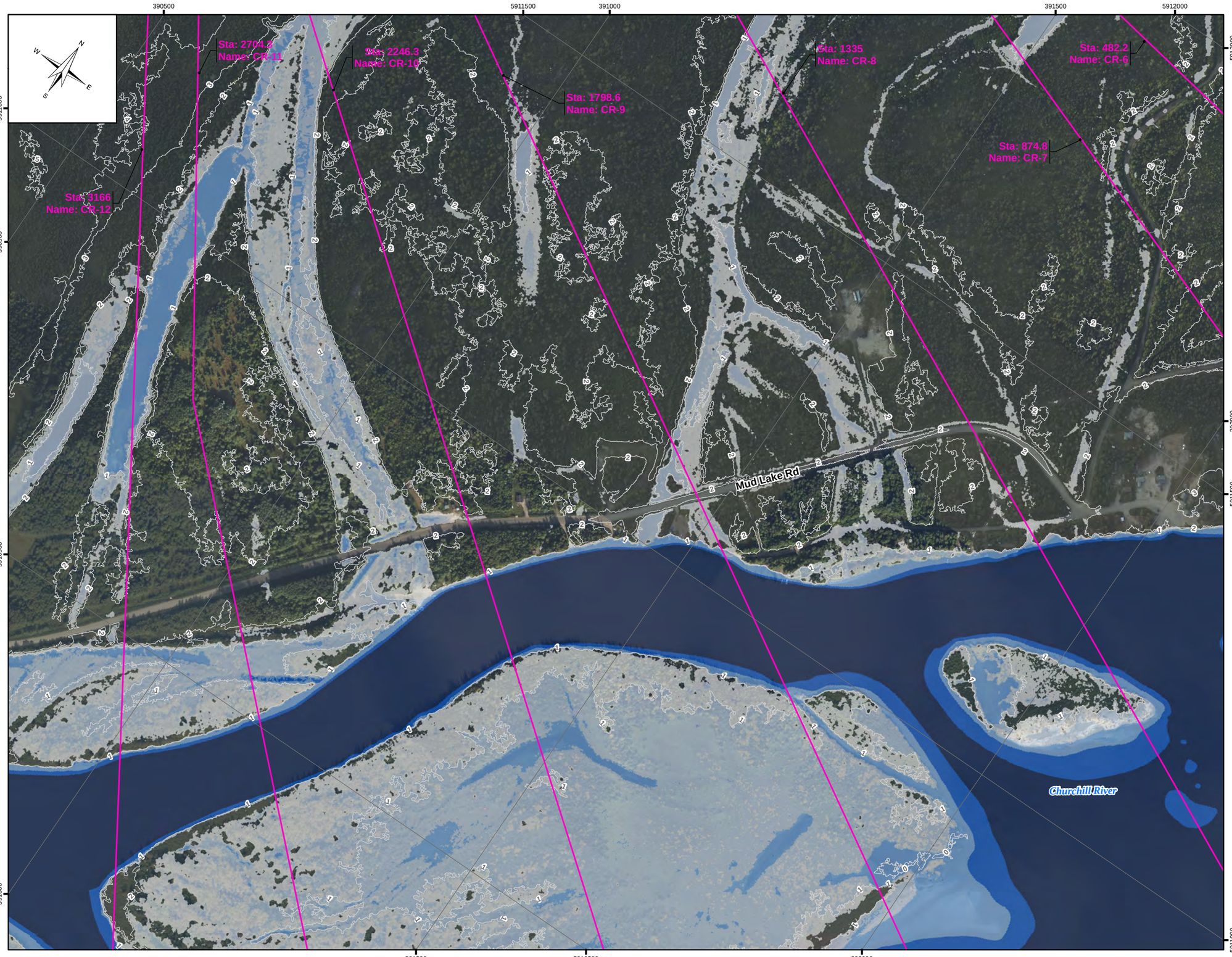

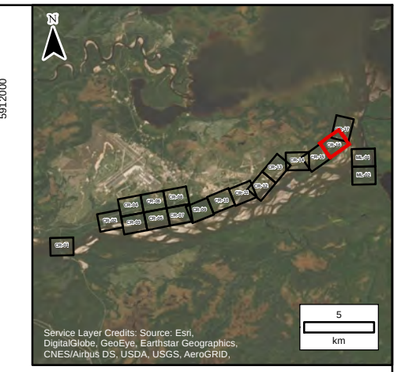

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY
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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–16

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_11x17.mxd
11"x17" PLOT SCALE 1:1

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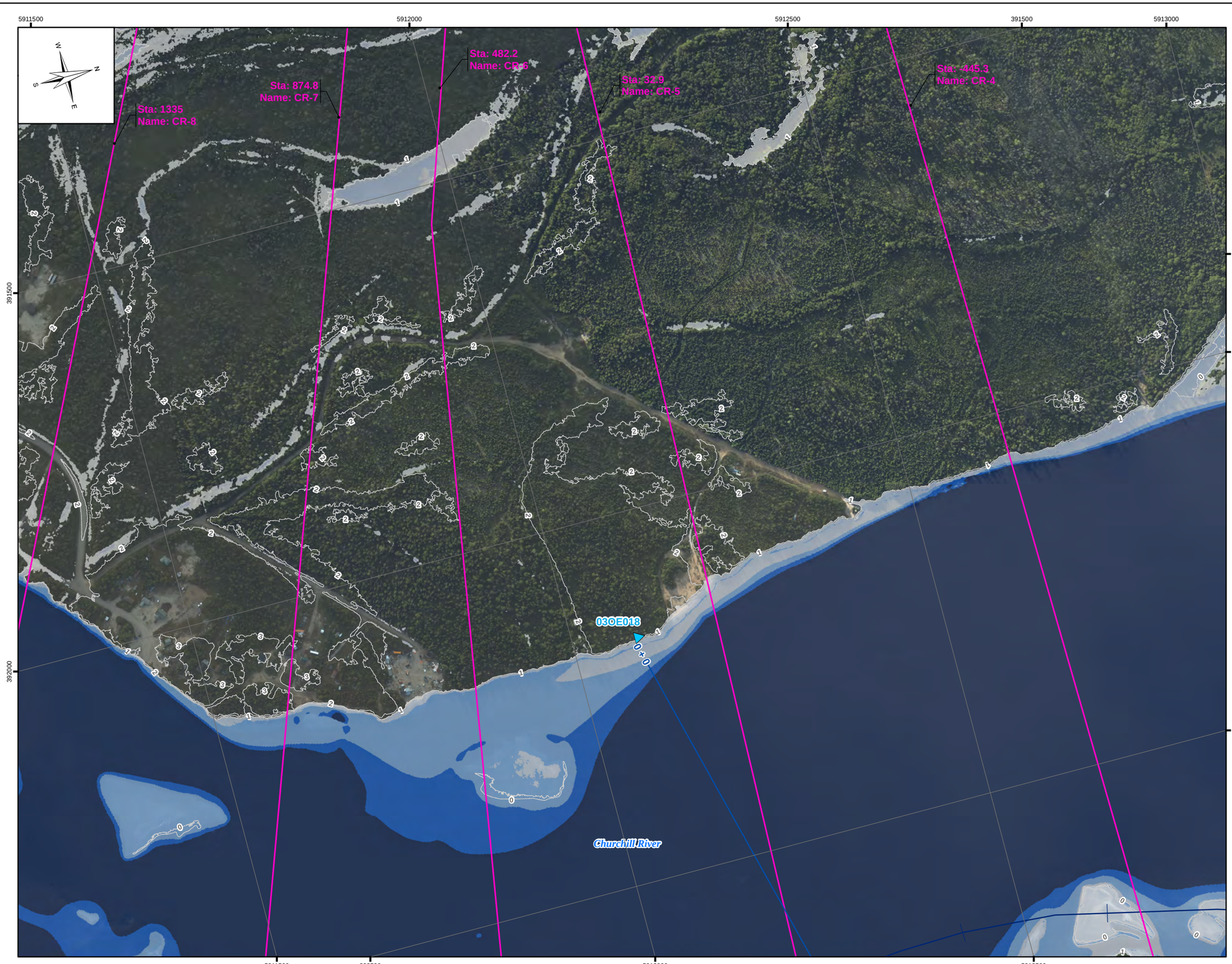

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–17

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_11x17.mxd
11"x17" PLOT SCALE 1:1

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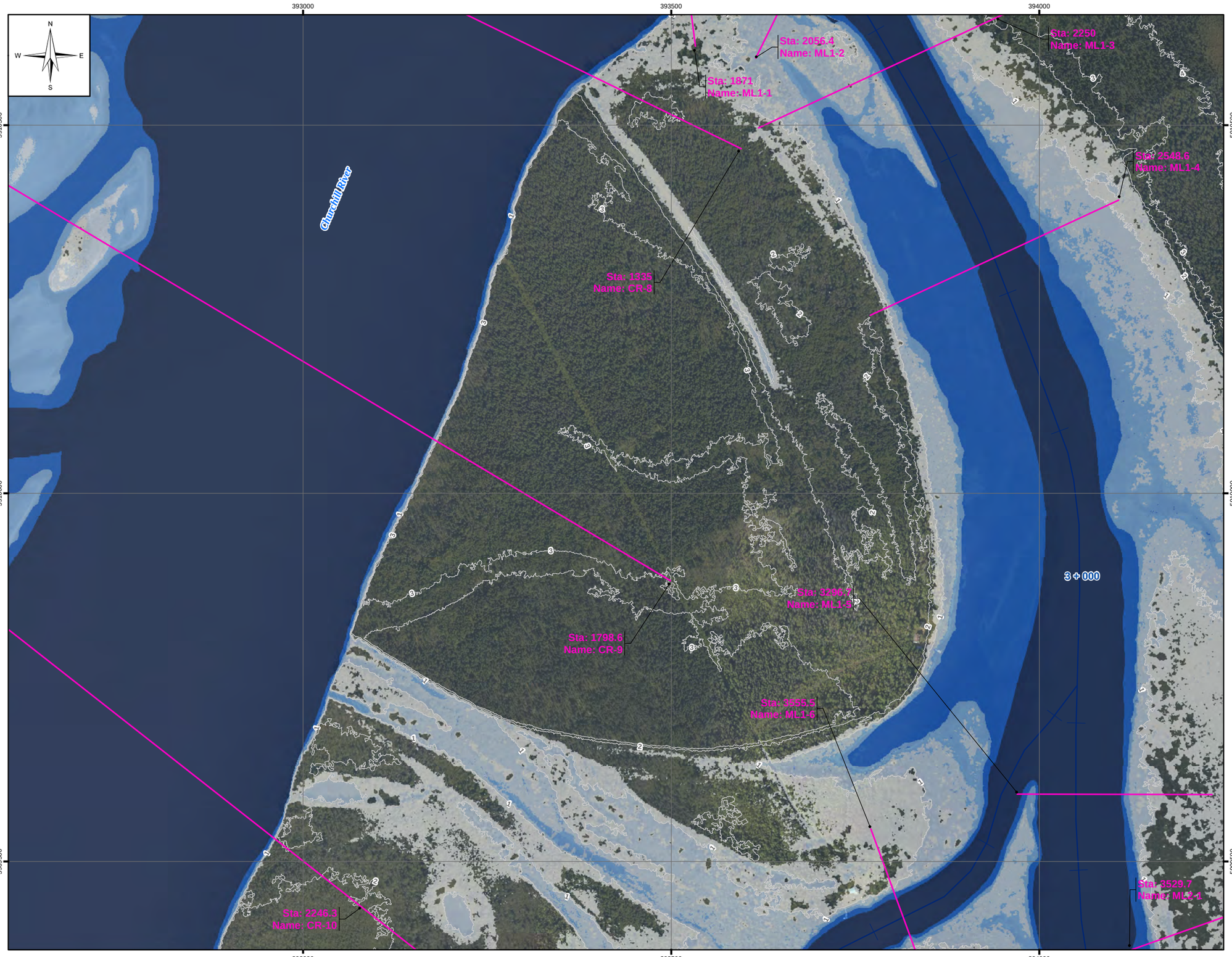

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – ML–01

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_11x17.mxd
11"x17" PLOT SCALE 1:1

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LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

OPEN WATER 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – ML–02

JUNE 2020 | FIGURE 6.2 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.2_11x17.mxd
11"x17" PLOT SCALE 1:1

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LEGEND:

- Water Survey of Canada Gauge Location
- River Centreline

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m
- Map Extents

NOTES:

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

1 0 1 2 3 4
Kilometres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE–AFFECTED 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – OVERVIEW MAP

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_Overview_11x17.mxd
11"x17" PLOT SCALE 1:1

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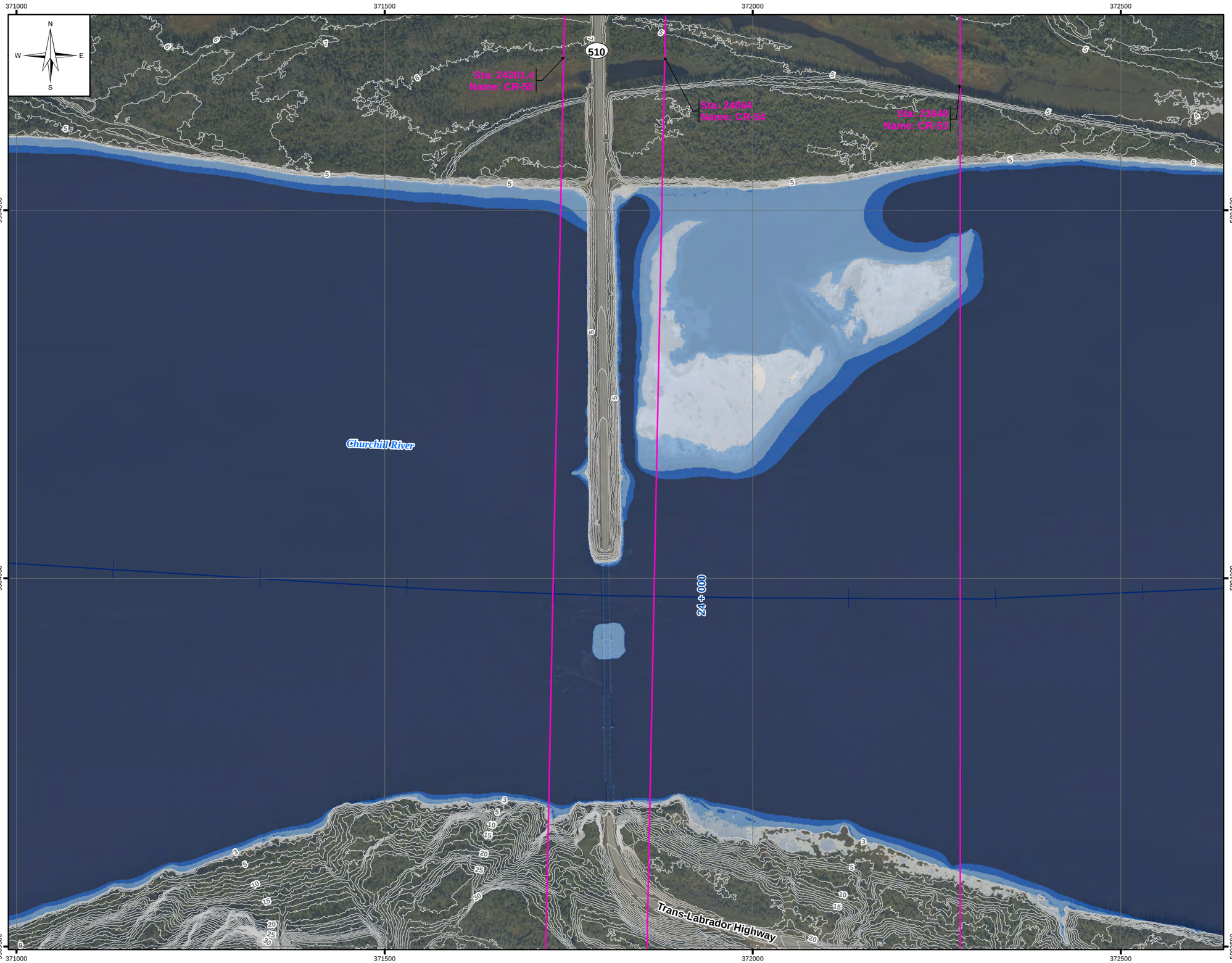

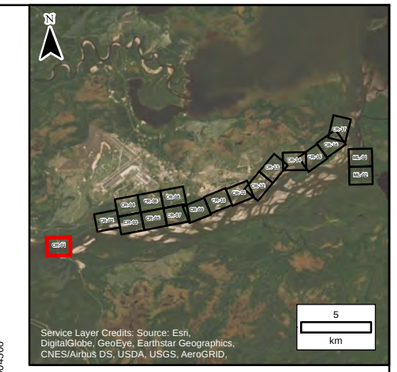

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE–AFFECTED 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–01

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_11x17.mxd
11"x17" PLOT SCALE 1:1

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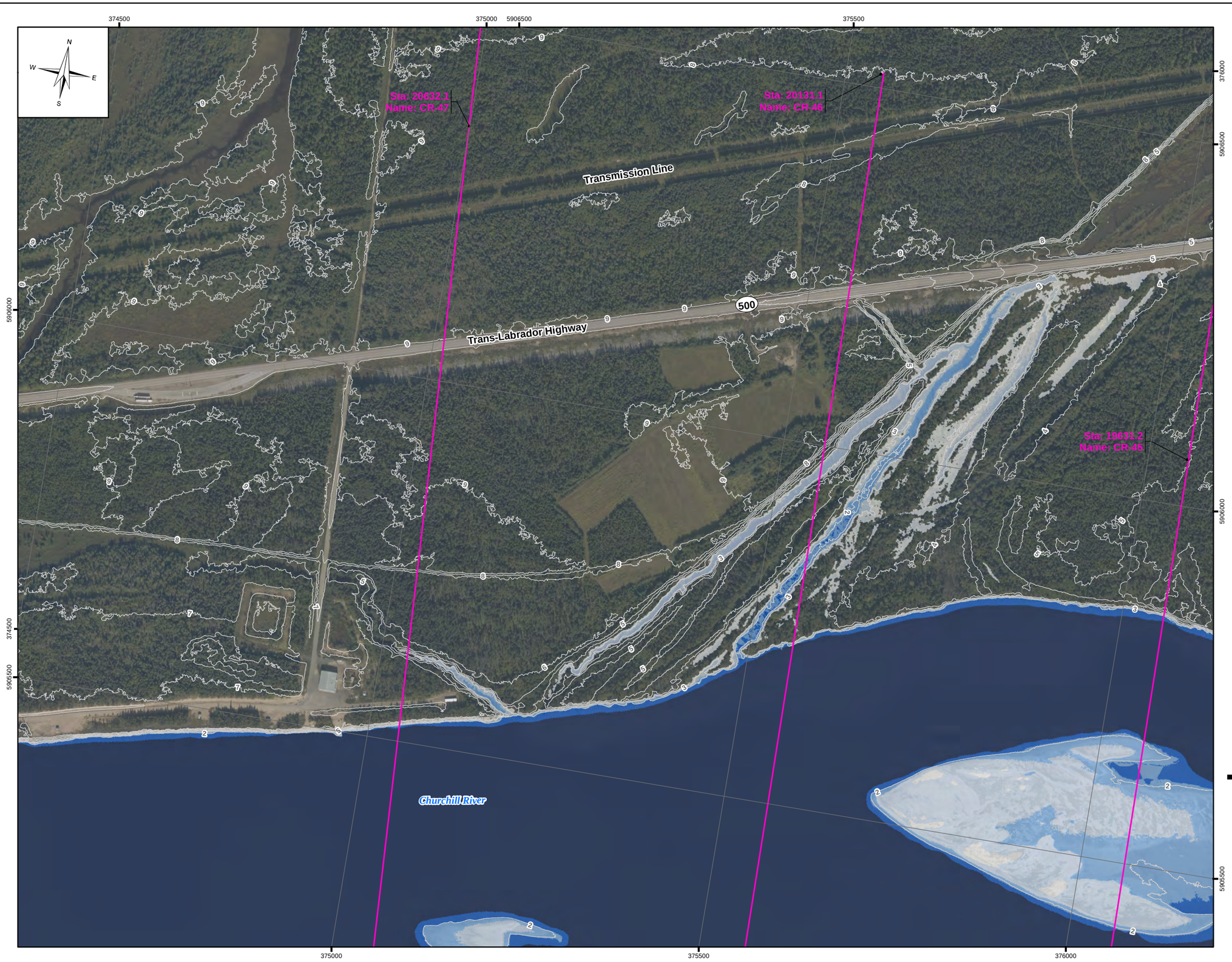

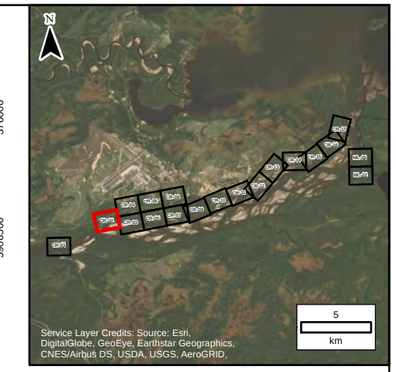

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE–AFFECTED 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–02

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_11x17.mxd
11"x17" PLOT SCALE 1:1

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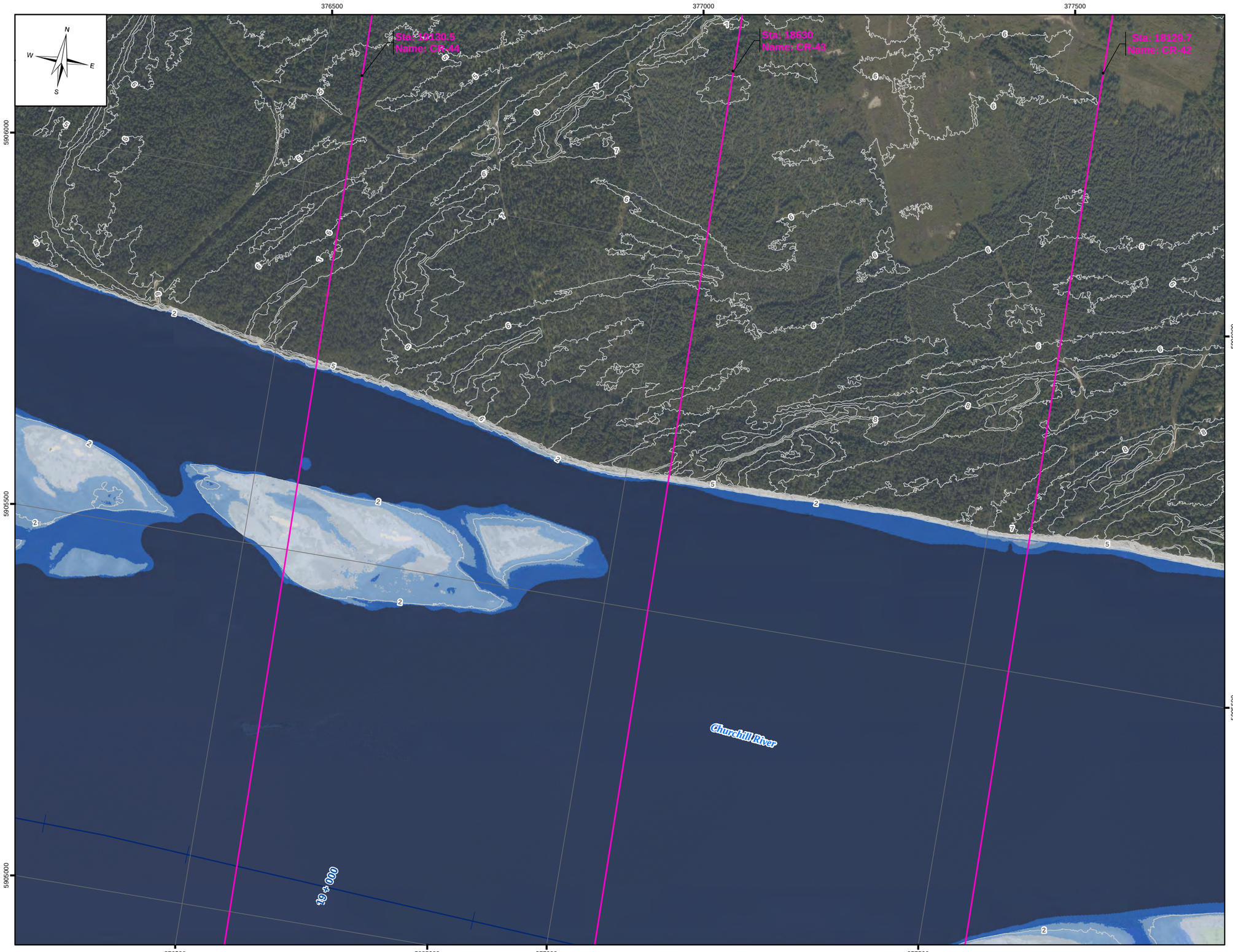

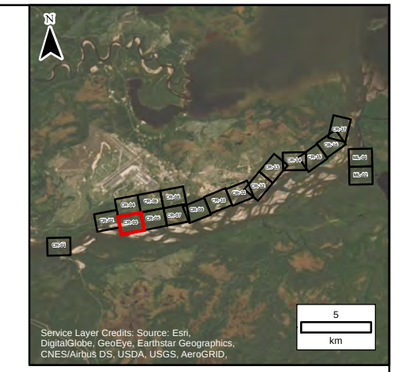

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE-AFFECTED 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS – CR-03

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_11x17.mxd
11"x17" PLOT SCALE 1:1

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LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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).

NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY
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CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE–AFFECTED 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–04

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_11x17.mxd
11"x17" PLOT SCALE 1:1

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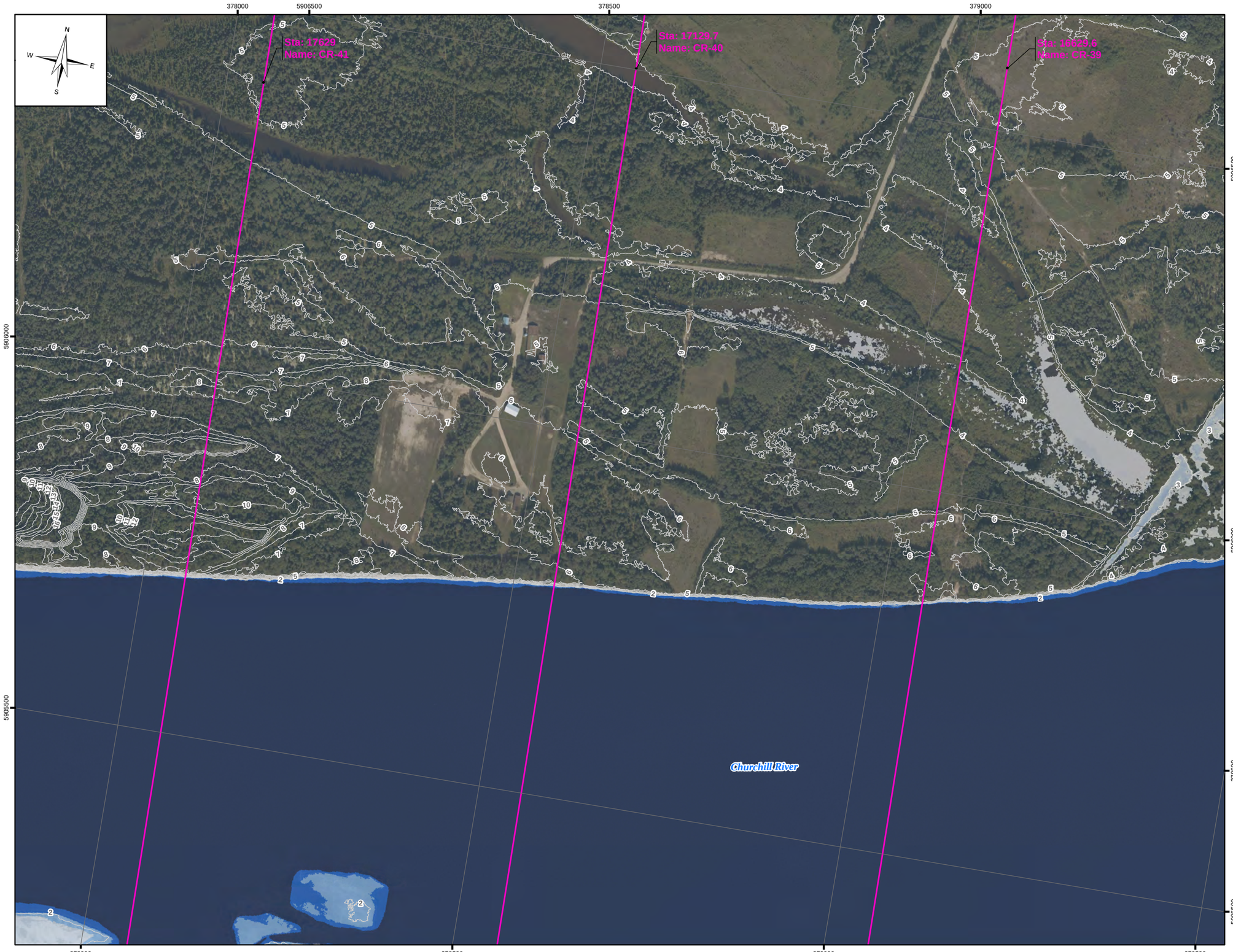

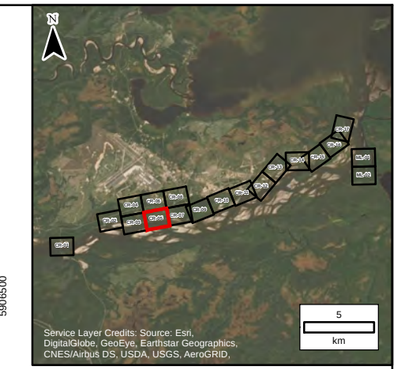

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE-AFFECTED 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS – CR-05

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_11x17.mxd
11"x17" PLOT SCALE 1:1

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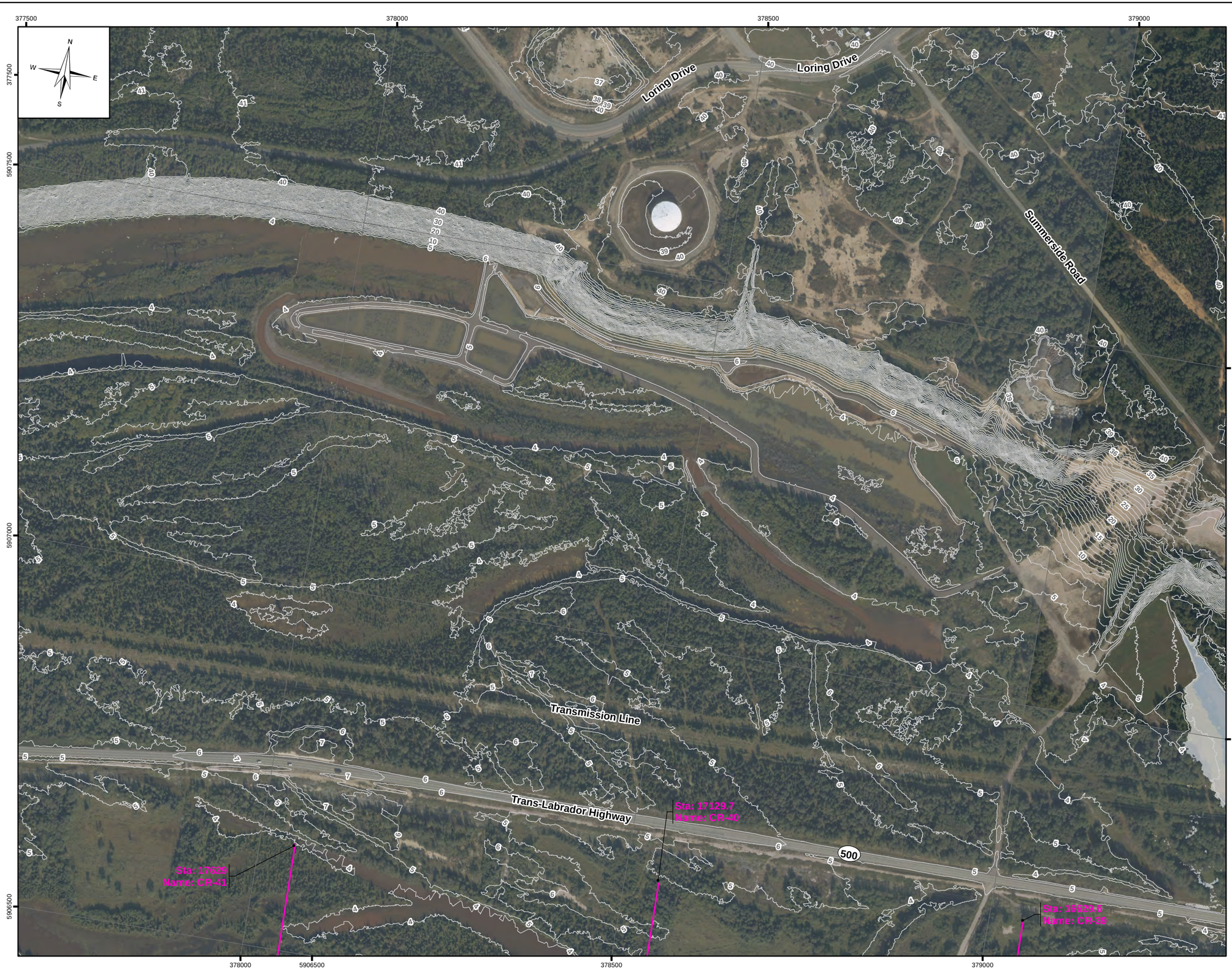

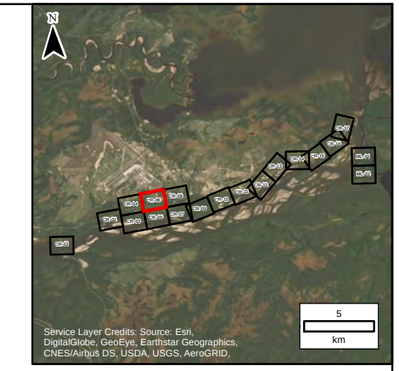

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE–AFFECTED 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–06

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_11x17.mxd
11"x17" PLOT SCALE 1:1

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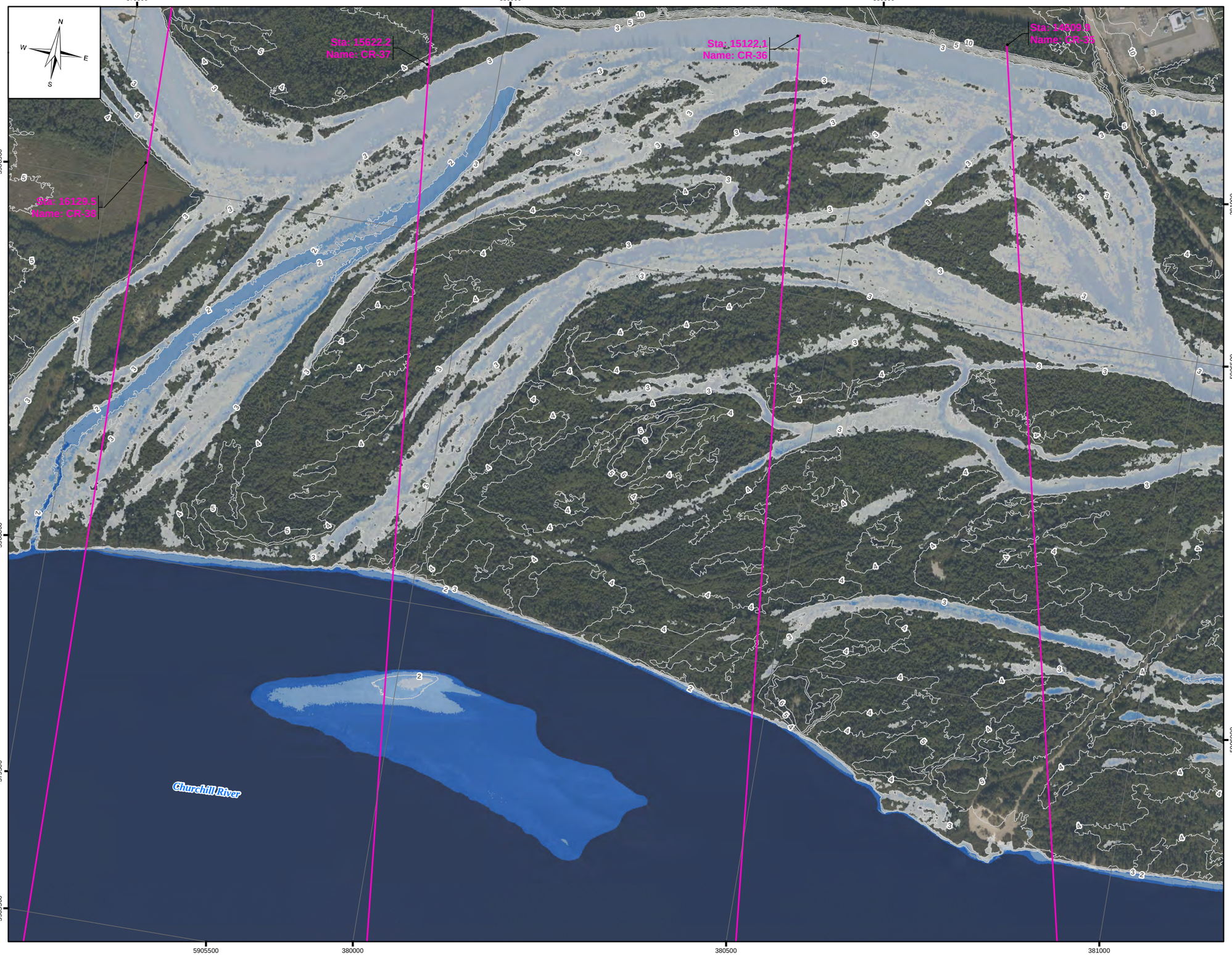

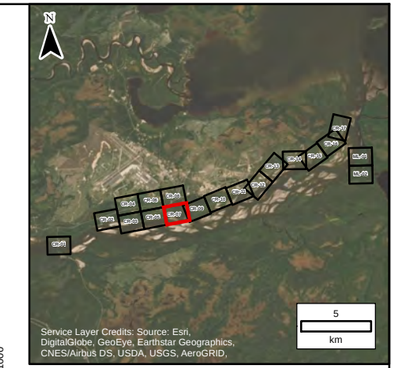

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY
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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE–AFFECTED 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–07

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_11x17.mxd
11"x17" PLOT SCALE 1:1

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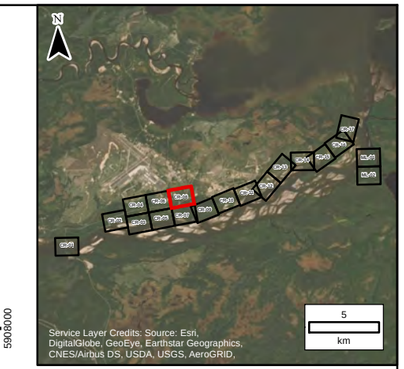

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–08

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_11x17.mxd
11"x17" PLOT SCALE 1:1

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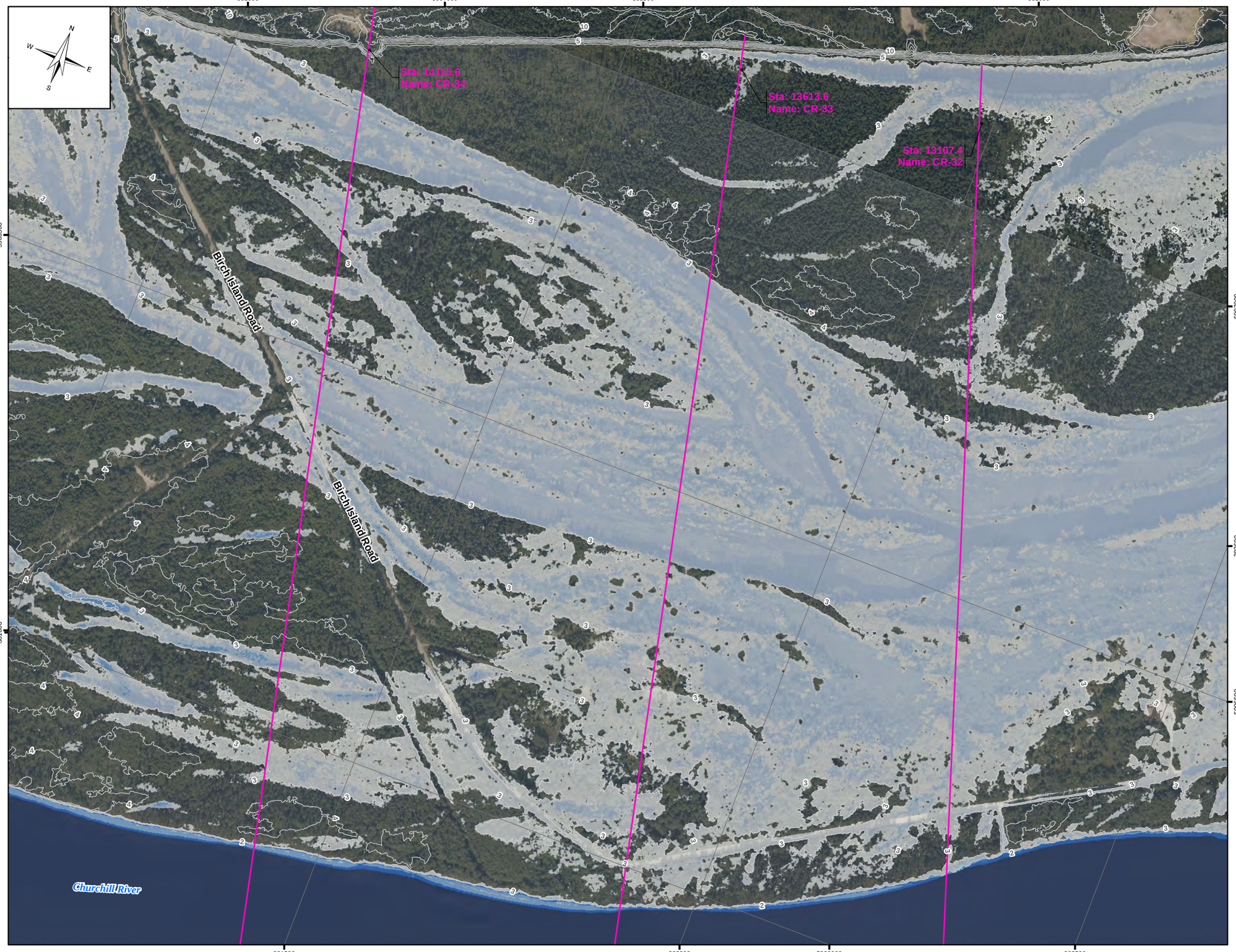

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–09

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_11x17.mxd
11"x17" PLOT SCALE 1:1

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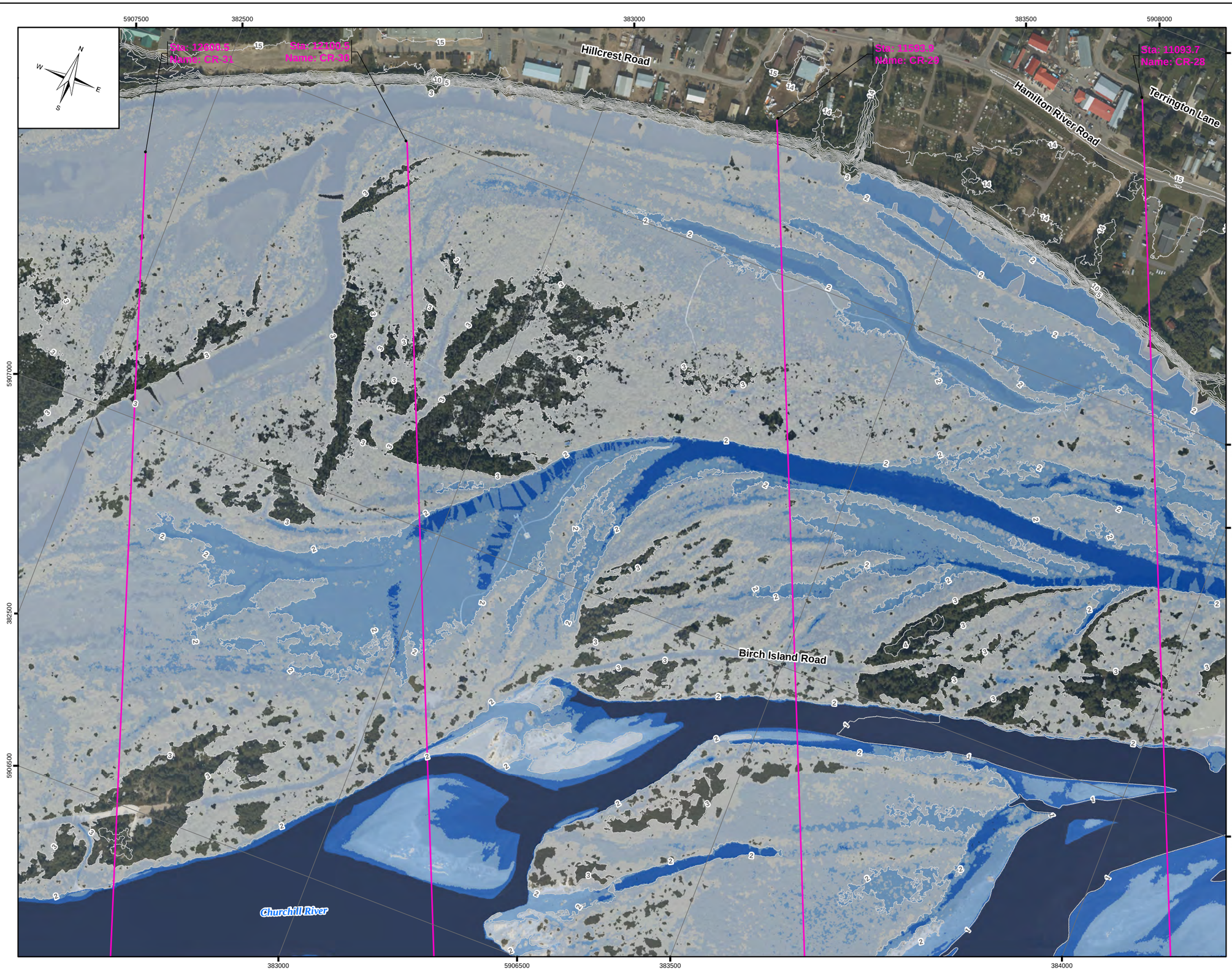

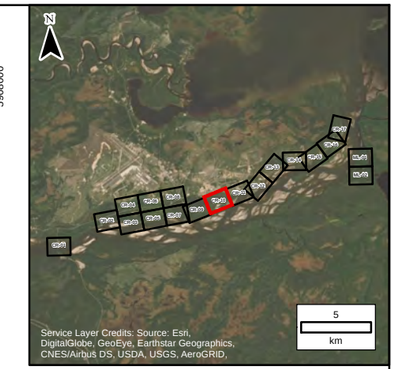

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–10

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_11x17.mxd
11"x17" PLOT SCALE 1:1

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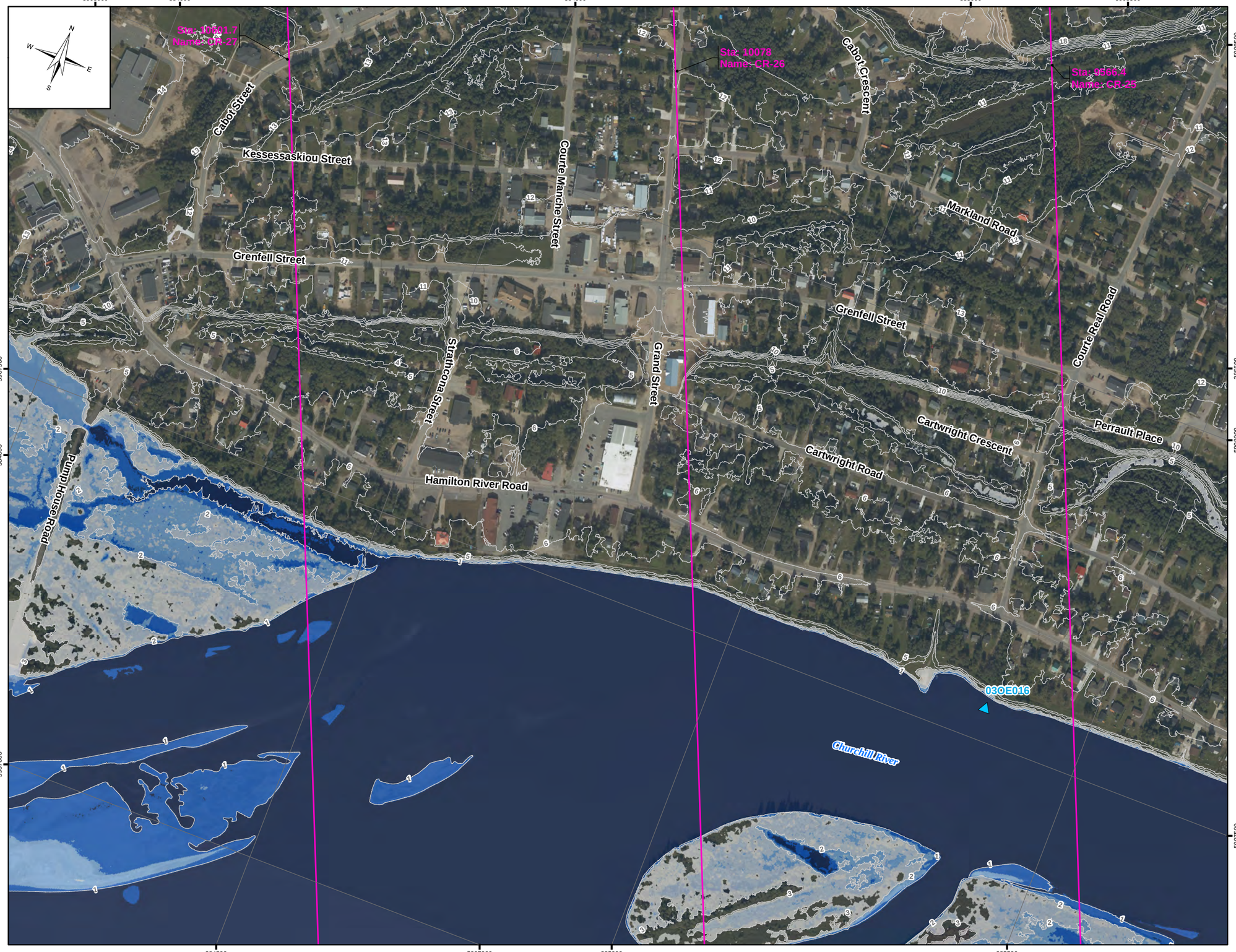

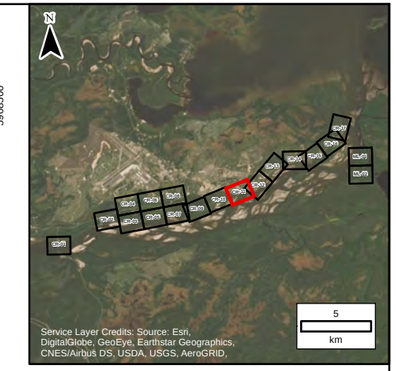

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–11

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_11x17.mxd
11"x17" PLOT SCALE 1:1

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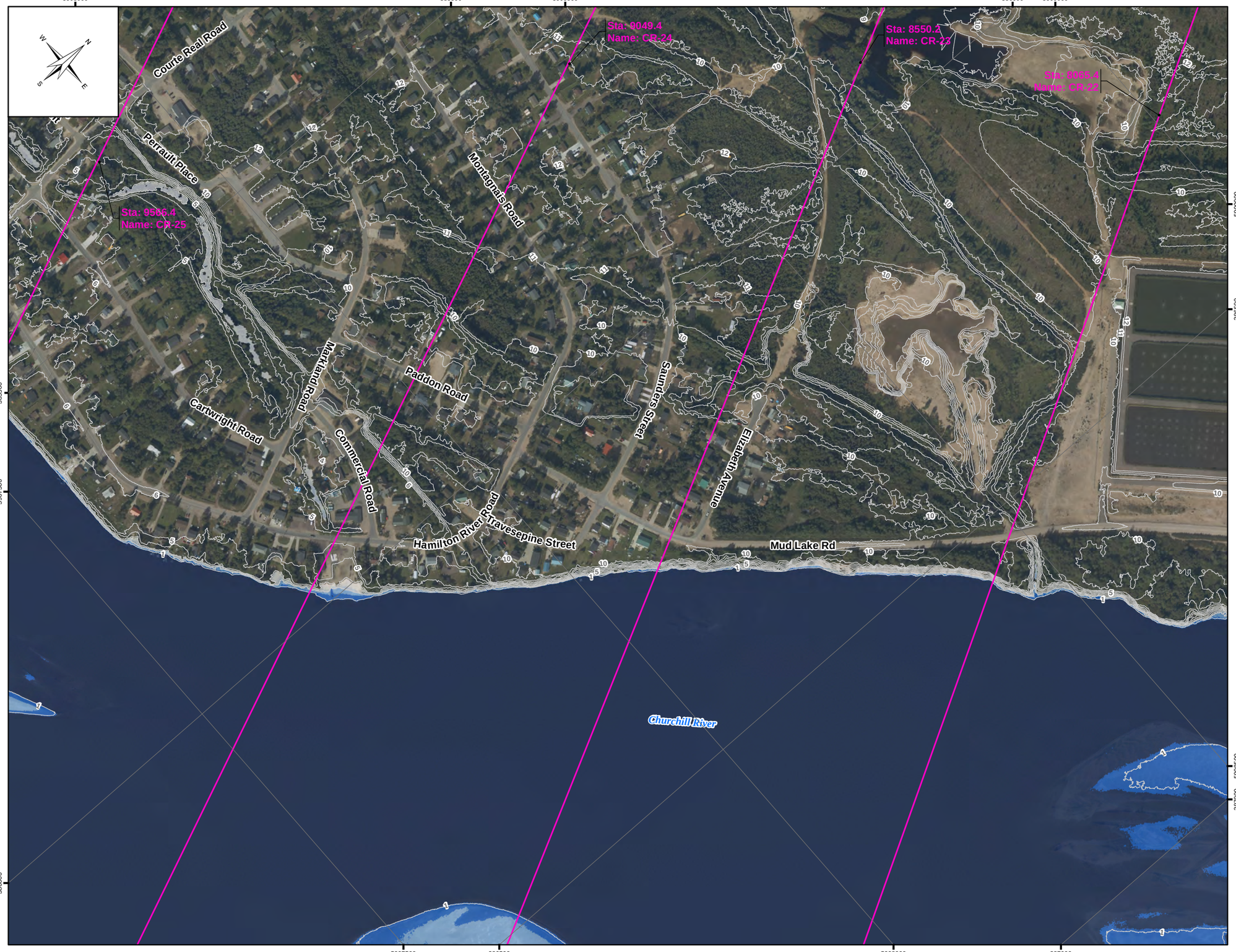

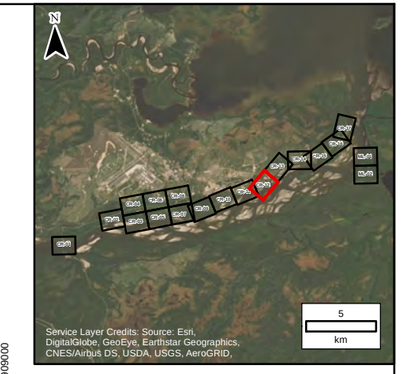

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS – CR-12

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_11x17.mxd
11"x17" PLOT SCALE 1:1

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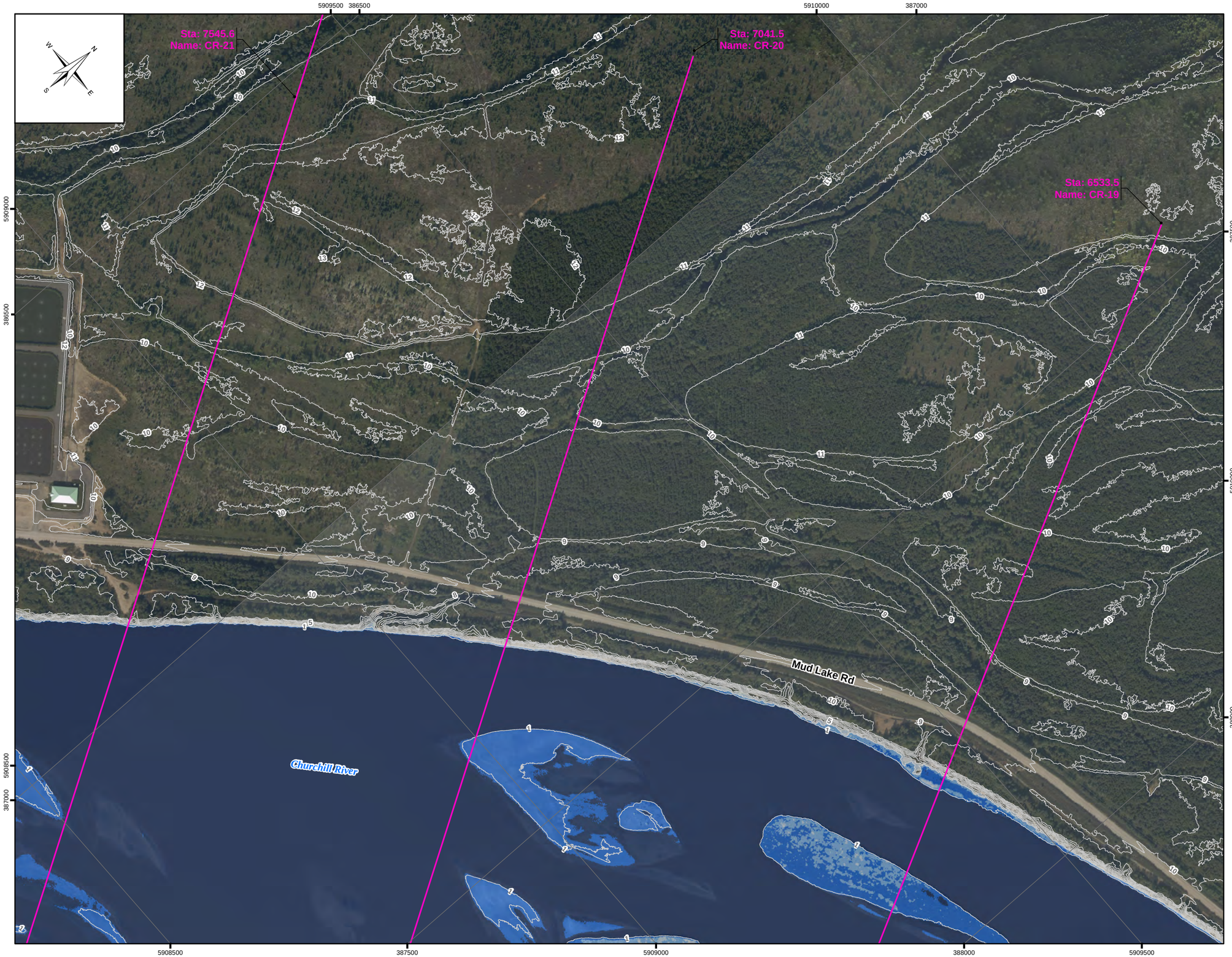

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–13

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_11x17.mxd
11"x17" PLOT SCALE 1:1

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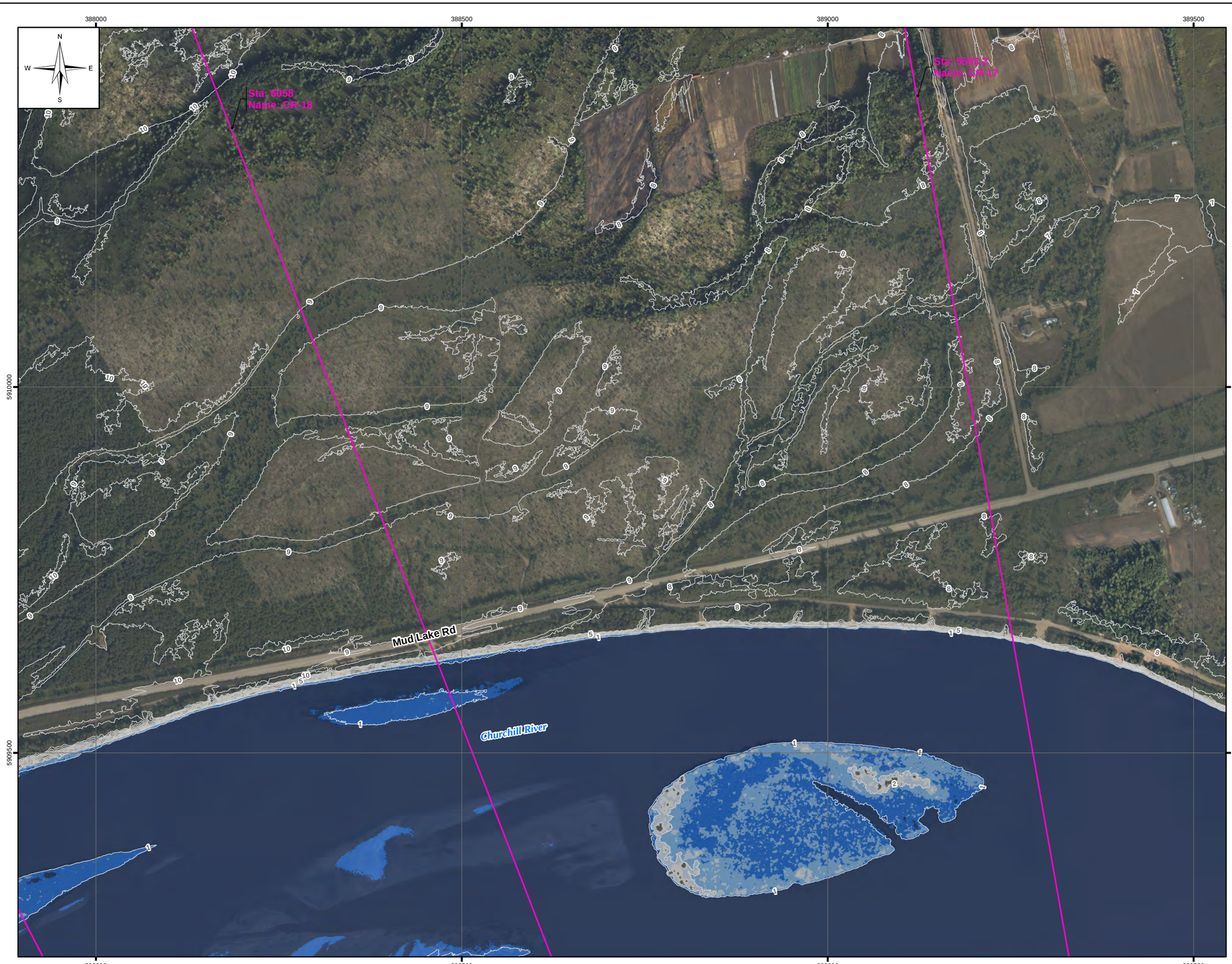

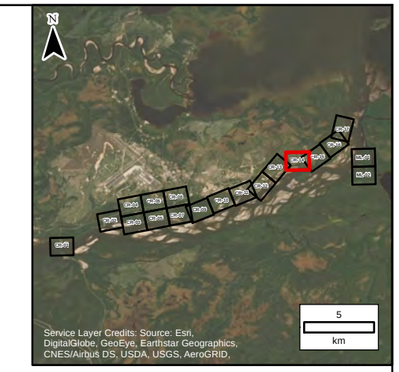

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–14

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_11x17.mxd
11"x17" PLOT SCALE 1:1

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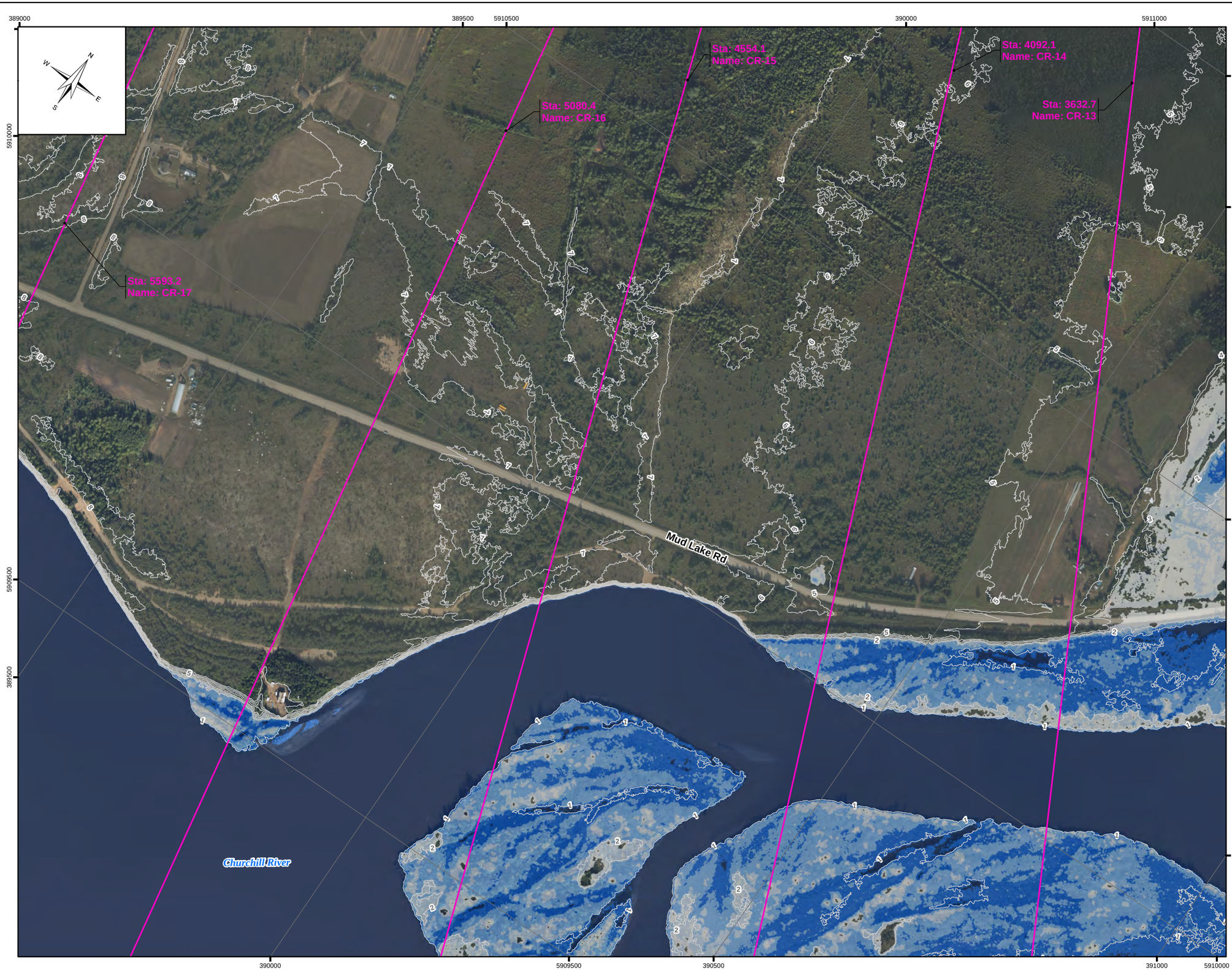

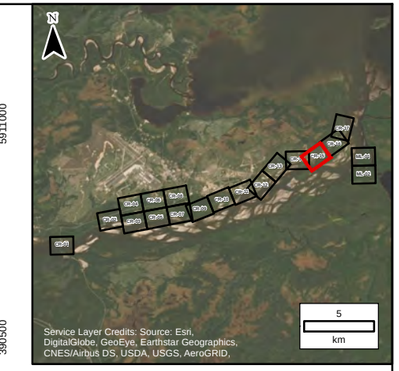

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS – CR-15

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_11x17.mxd
11"x17" PLOT SCALE 1:1

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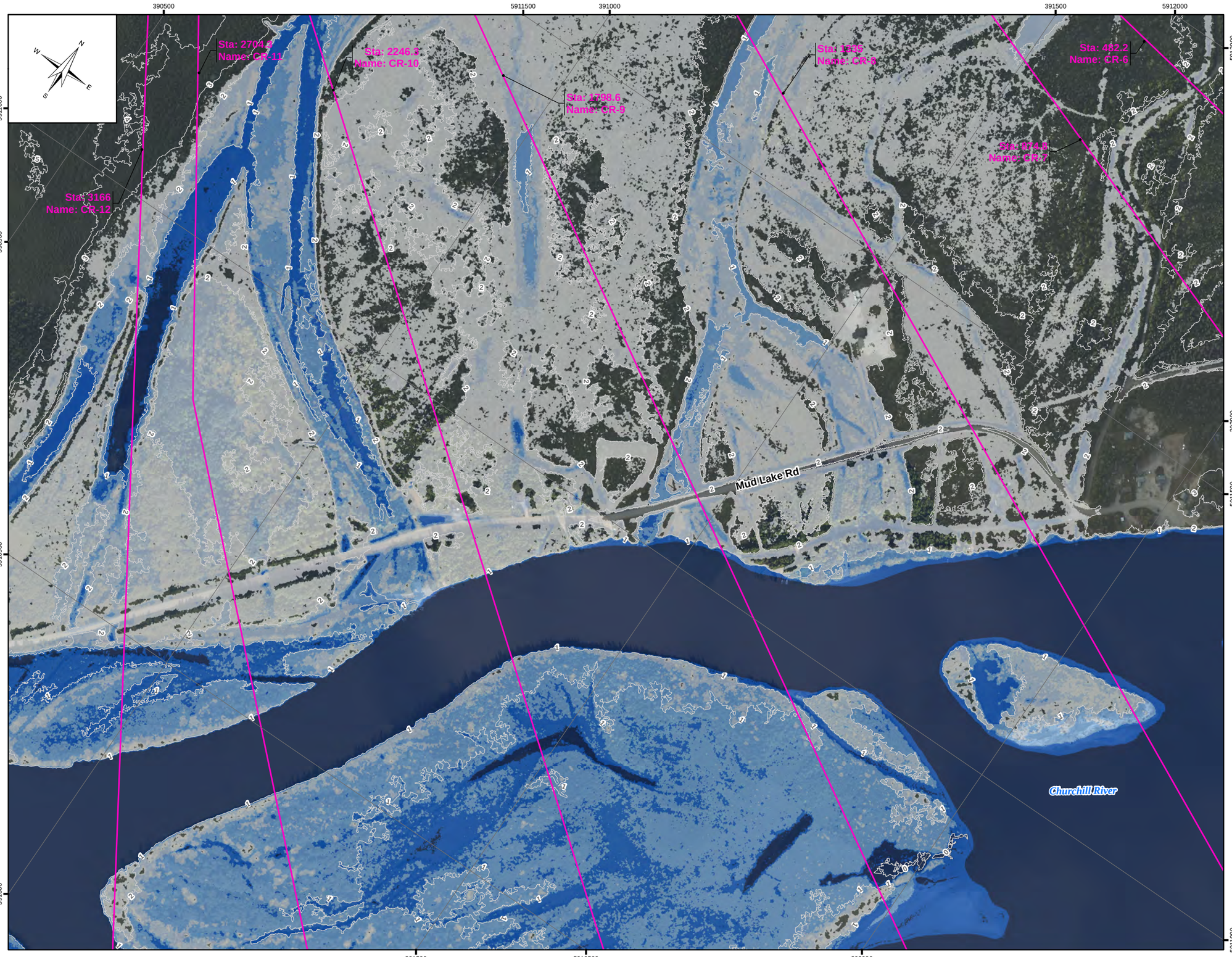

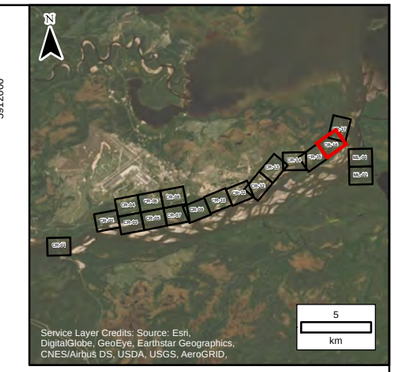

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

ICE–AFFECTED 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–16

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_11x17.mxd
11"x17" PLOT SCALE 1:1

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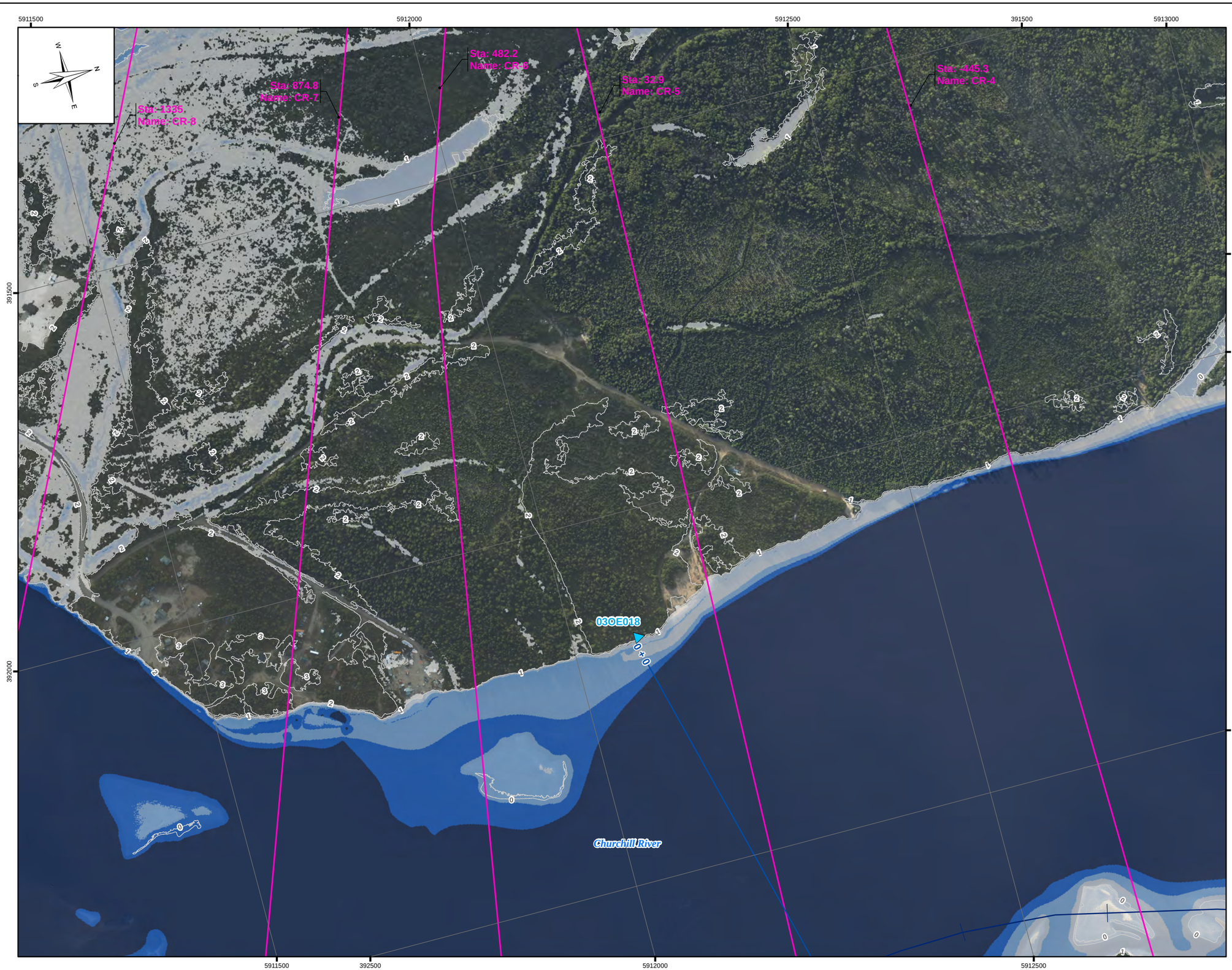

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE–AFFECTED 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–17

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_11x17.mxd
11"x17" PLOT SCALE 1:1

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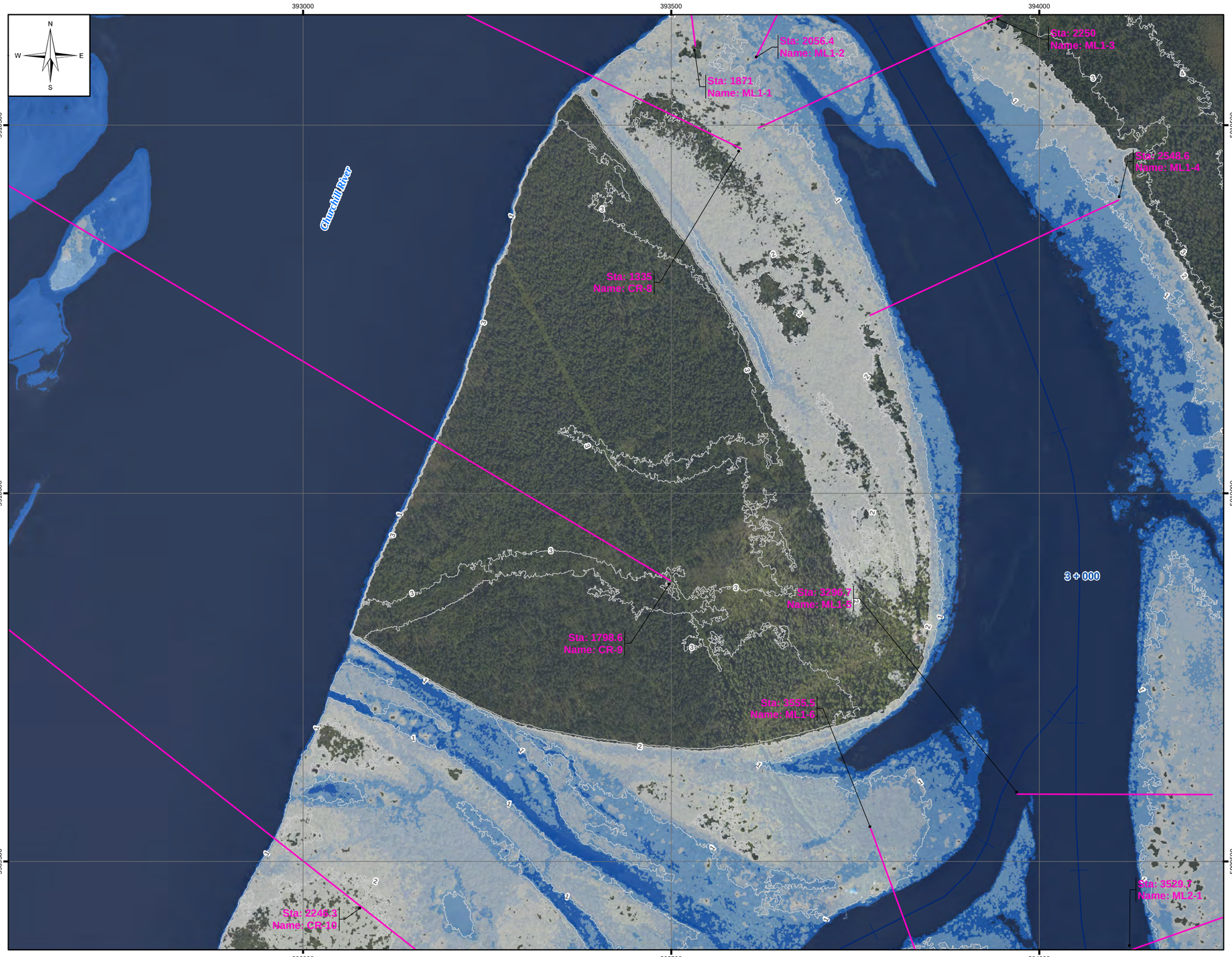

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE–AFFECTED 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – ML–01

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_11x17.mxd
11"x17" PLOT SCALE 1:1

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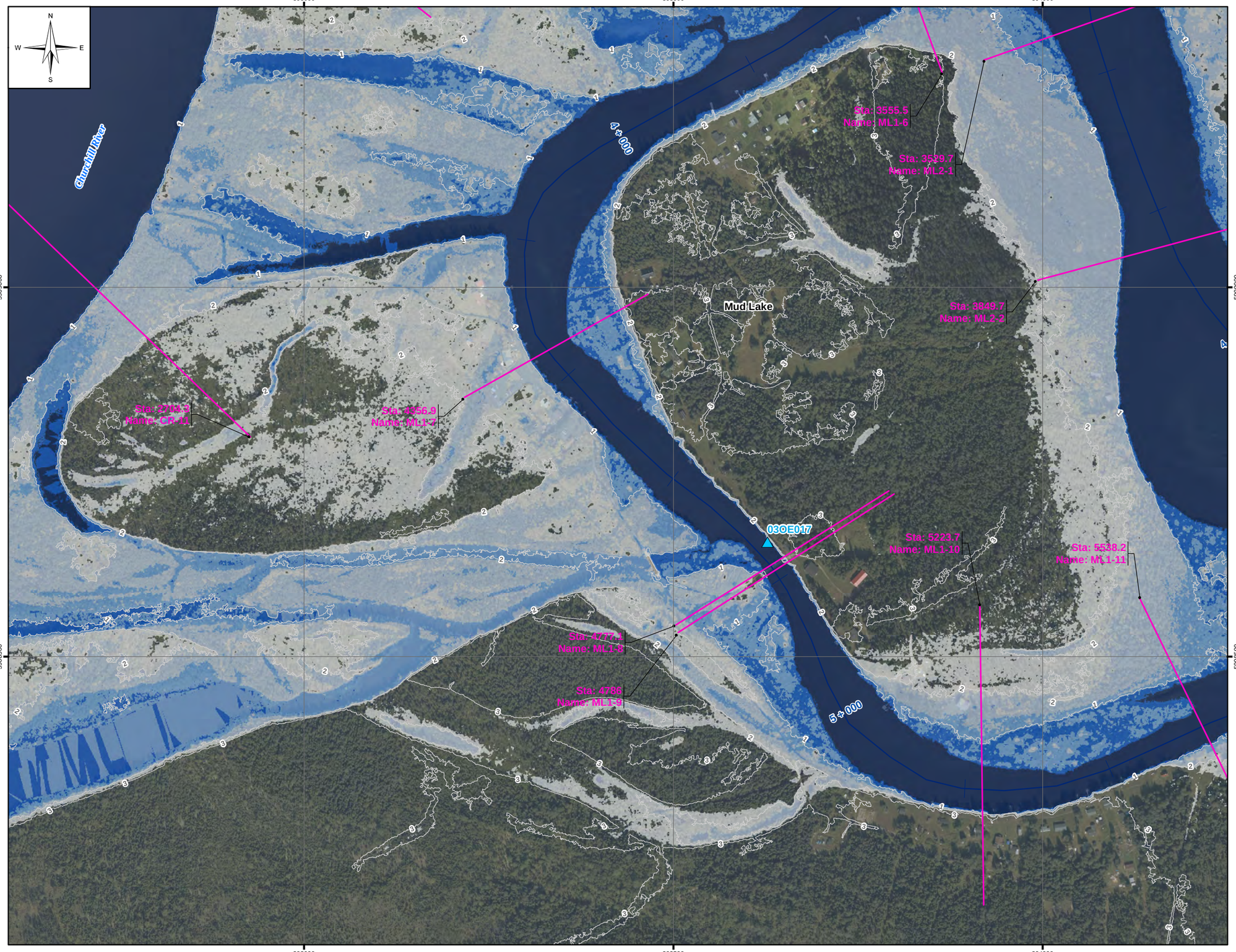

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE–AFFECTED 1:20 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – ML–02

JUNE 2020 | FIGURE 6.3 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.3_11x17.mxd
11"x17" PLOT SCALE 1:1

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LEGEND:

- Water Survey of Canada Gauge Location
- River Centreline

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m
- Map Extents

NOTES:

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

1 0 1 2 3 4
Kilometres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – OVERVIEW MAP

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_Overview_11x17.mxd
11"x17" PLOT SCALE 1:1

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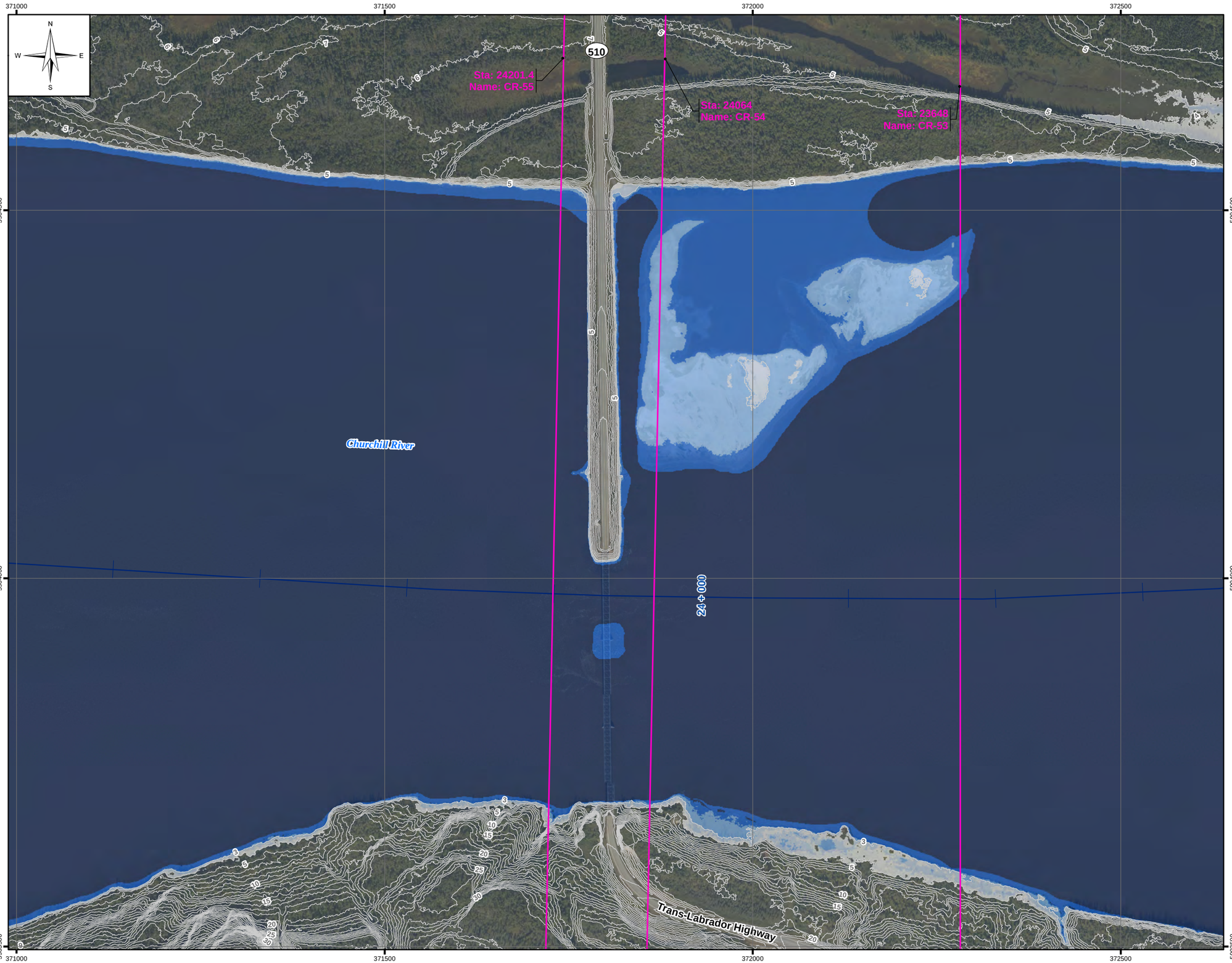

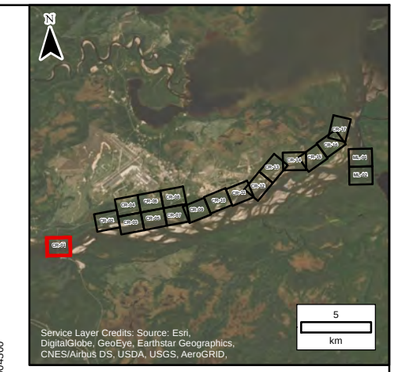

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE–AFFECTED 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–01

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_11x17.mxd
11"x17" PLOT SCALE 1:1

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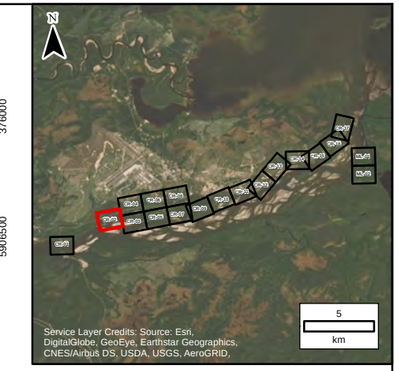

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE–AFFECTED 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–02

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_11x17.mxd
11"x17" PLOT SCALE 1:1

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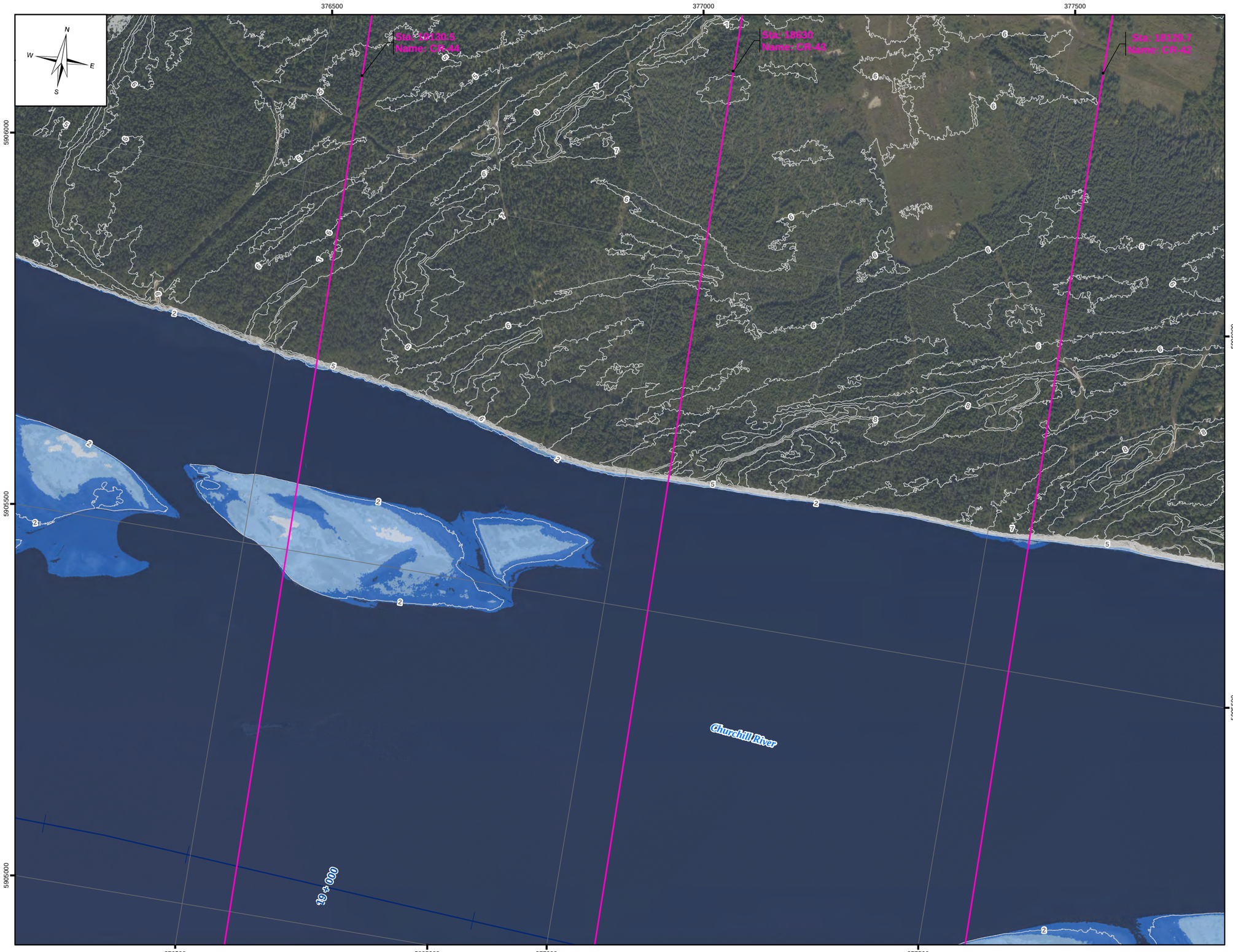

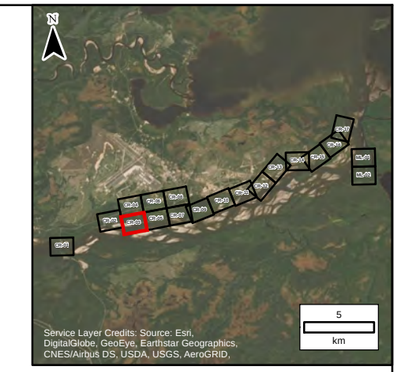

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE-AFFECTED 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC-CD) CONDITIONS – CR-03

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_11x17.mxd
11"x17" PLOT SCALE 1:1

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LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY
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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE–AFFECTED 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–04

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_11x17.mxd
11"x17" PLOT SCALE 1:1

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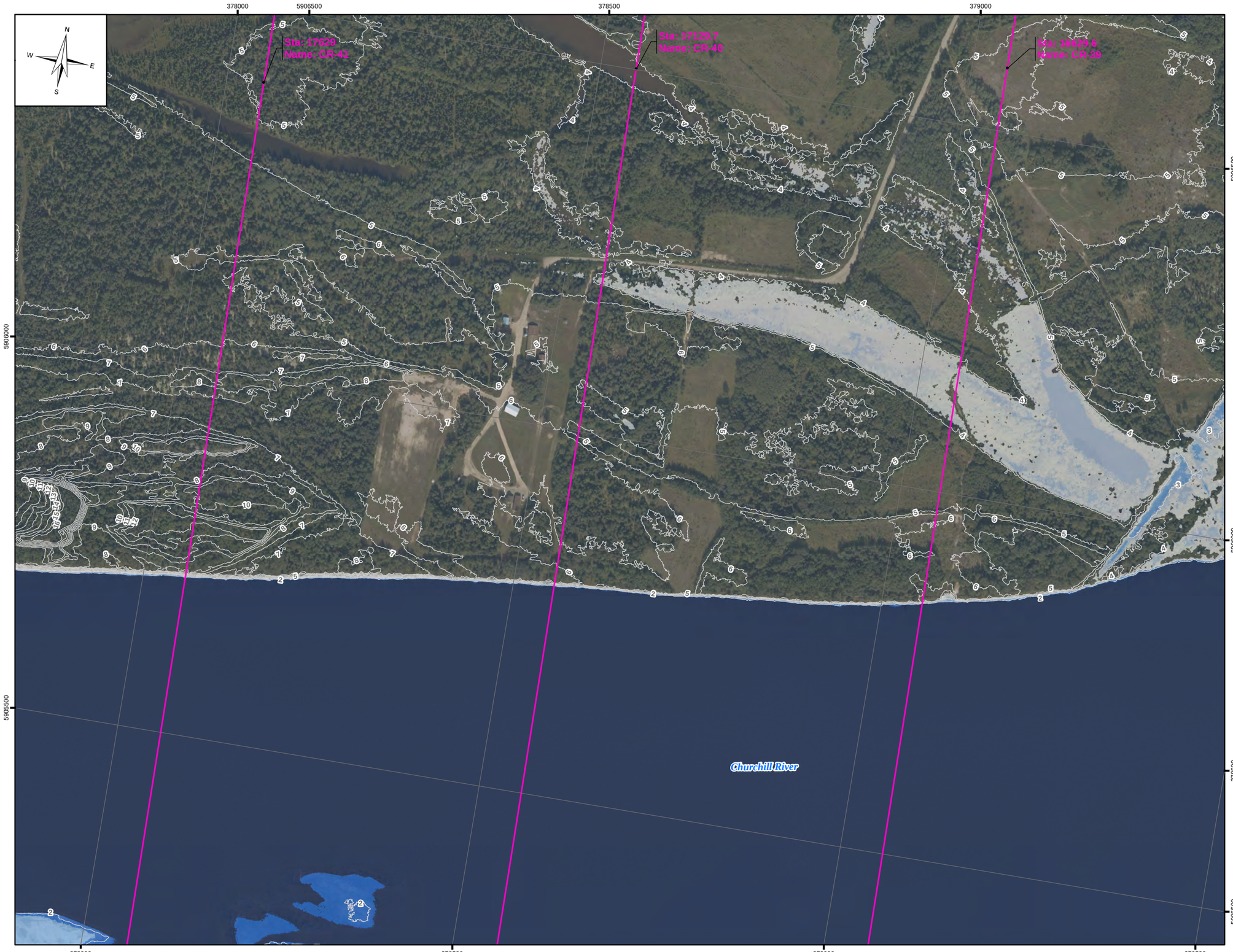

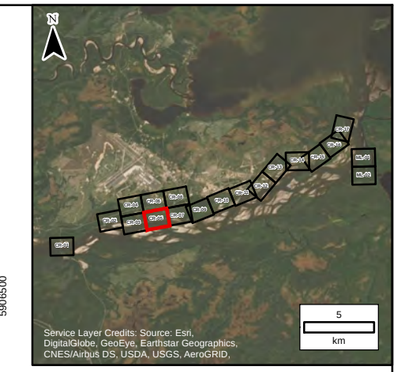

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–05

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_11x17.mxd
11"x17" PLOT SCALE 1:1

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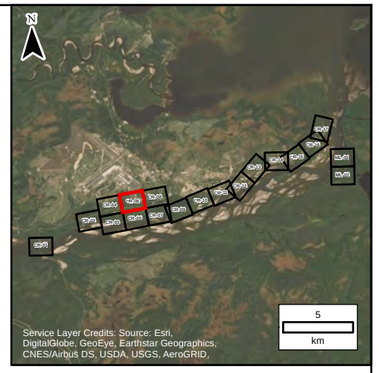

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–06

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_11x17.mxd
11"x17" PLOT SCALE 1:1

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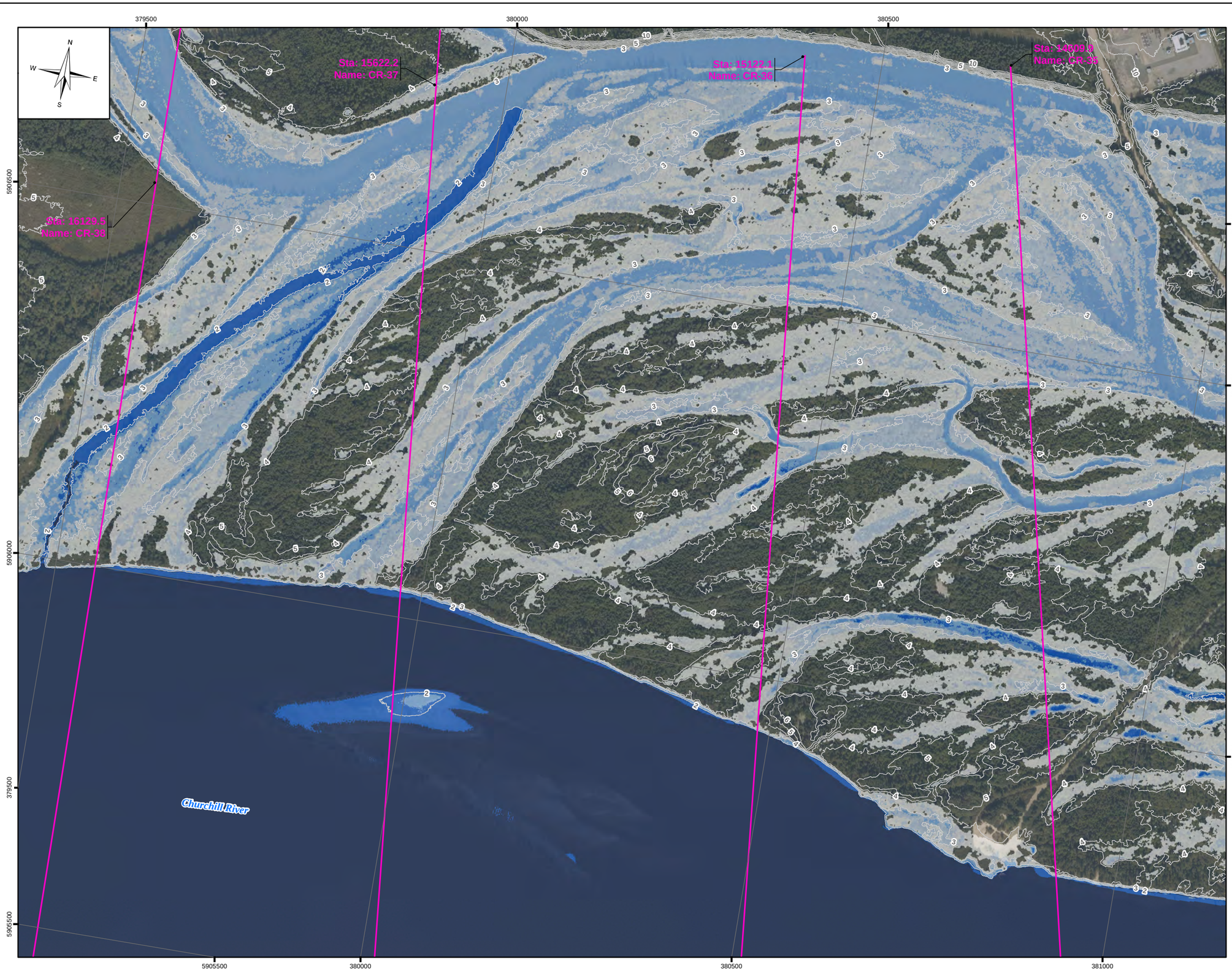

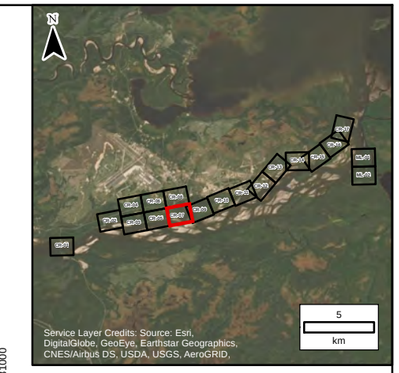

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW

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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE–AFFECTED 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–07

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_11x17.mxd
11"x17" PLOT SCALE 1:1

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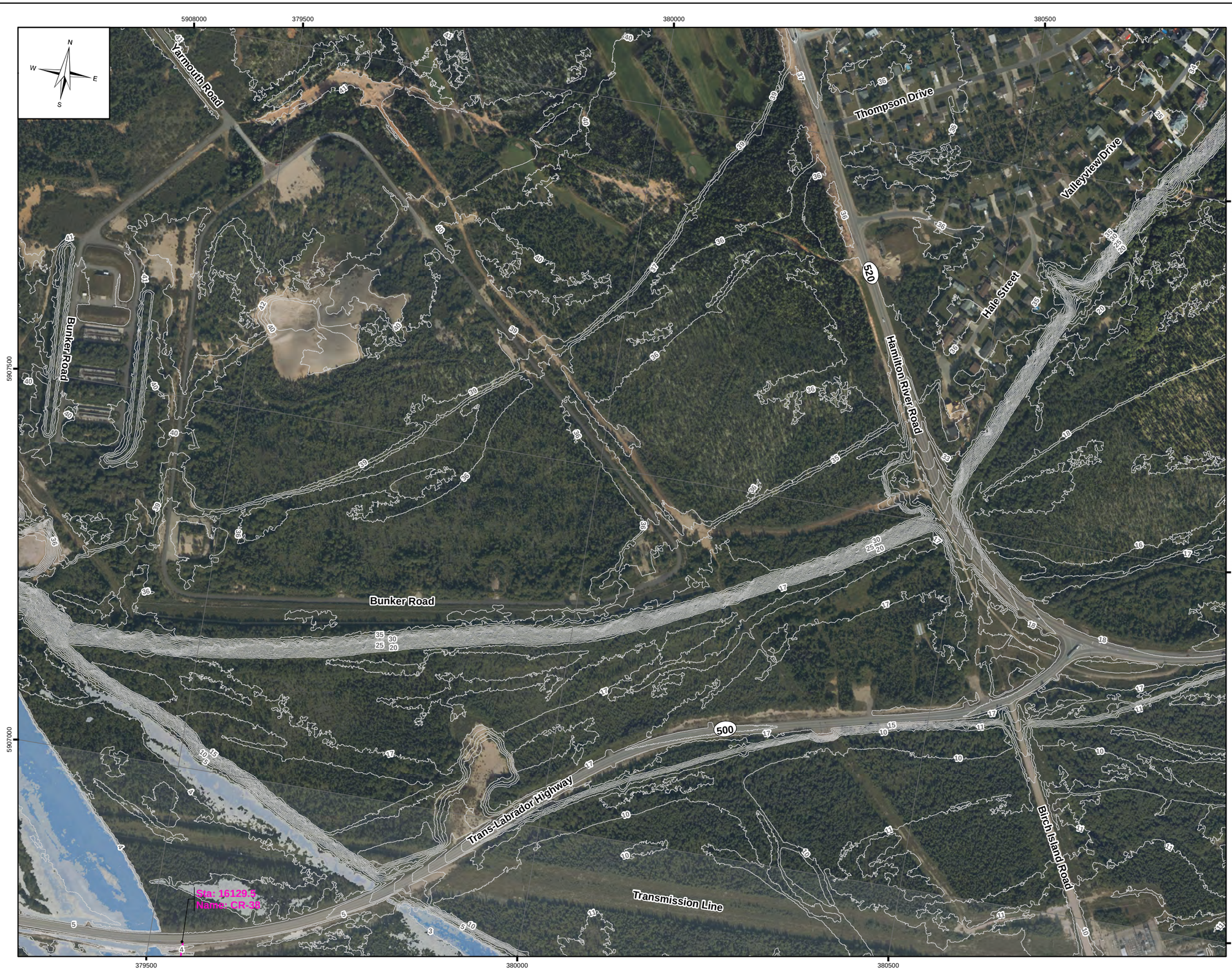

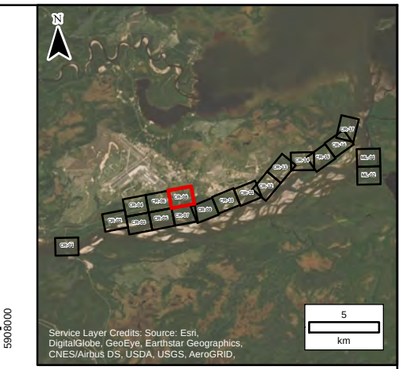

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE–AFFECTED 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–08

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_11x17.mxd
11"x17" PLOT SCALE 1:1

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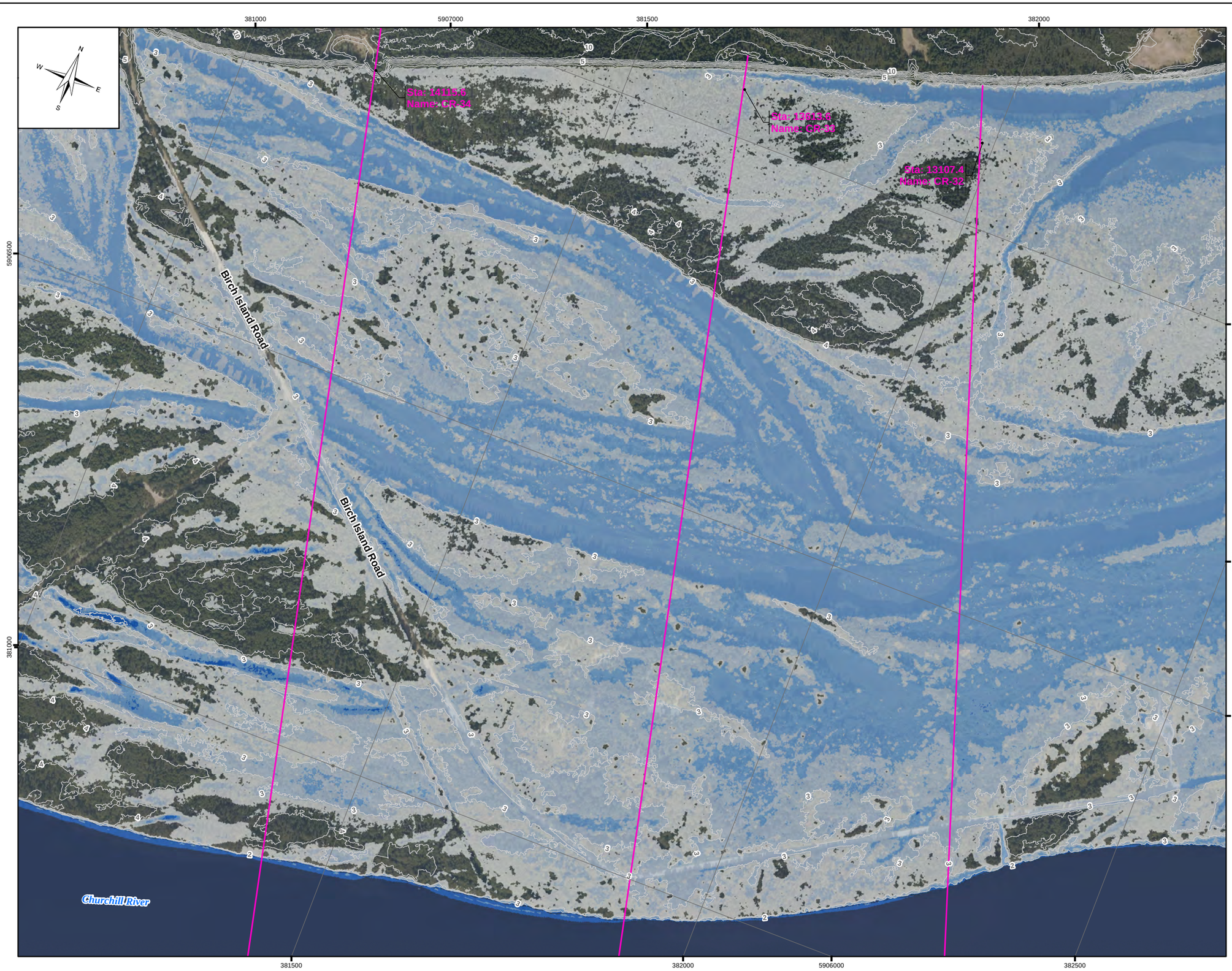

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE–AFFECTED 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–09

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_11x17.mxd
11"x17" PLOT SCALE 1:1

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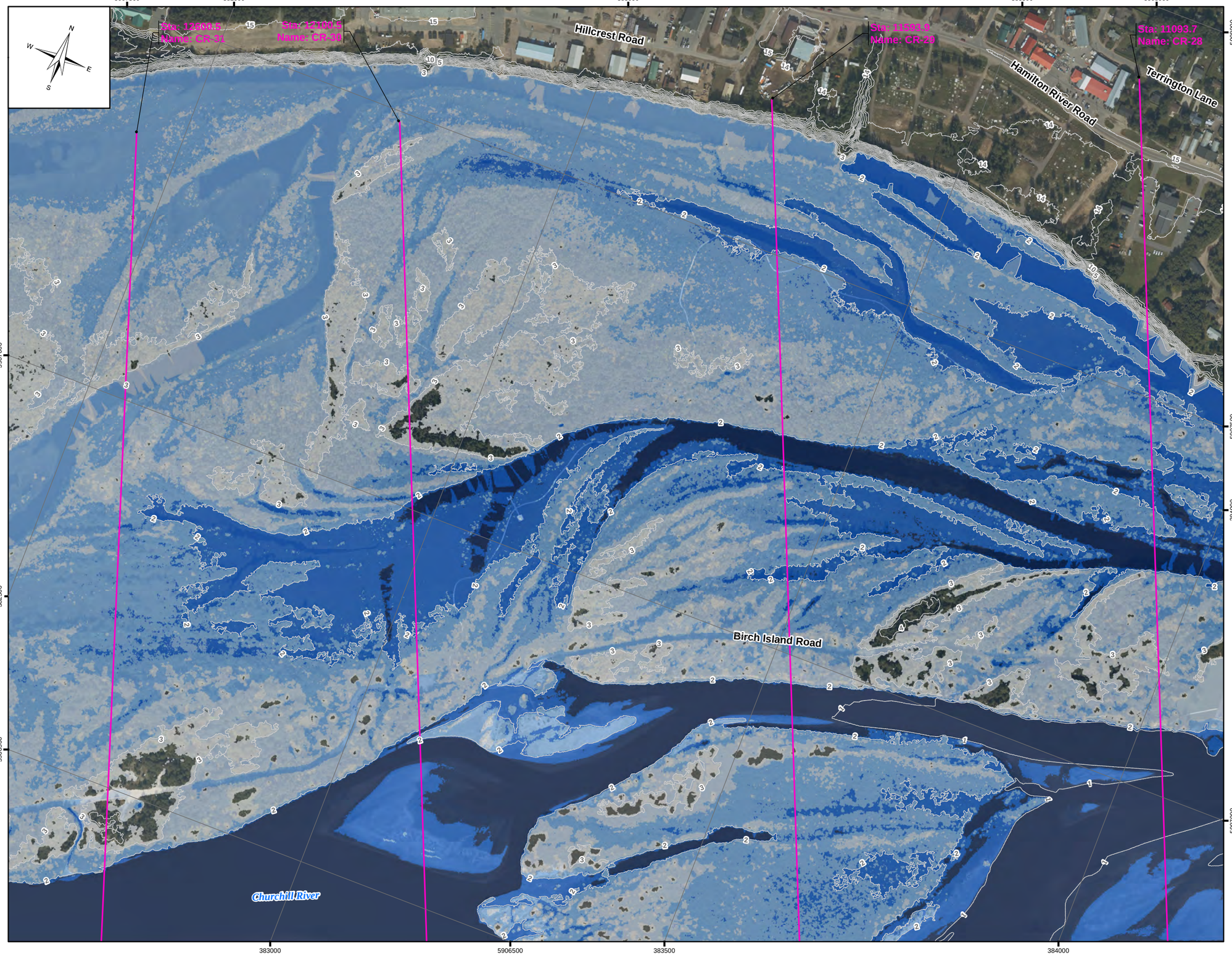

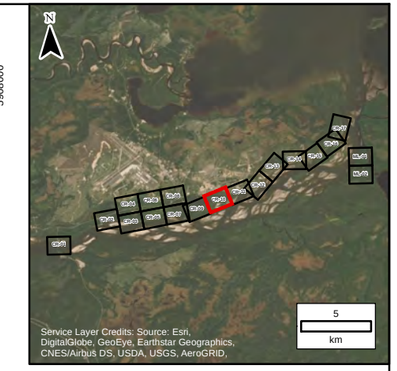

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY
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Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE–AFFECTED 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–10

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_11x17.mxd
11"x17" PLOT SCALE 1:1

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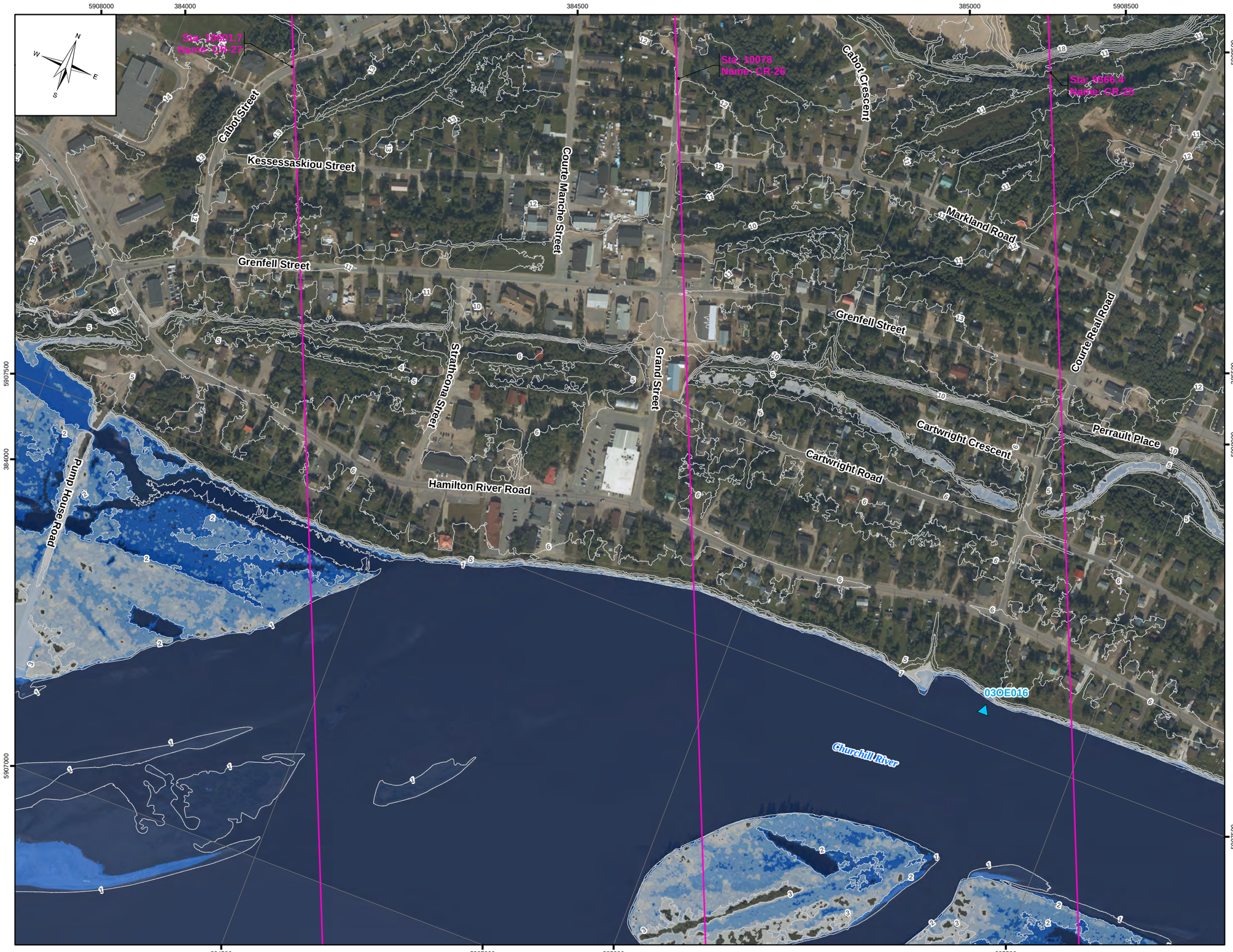

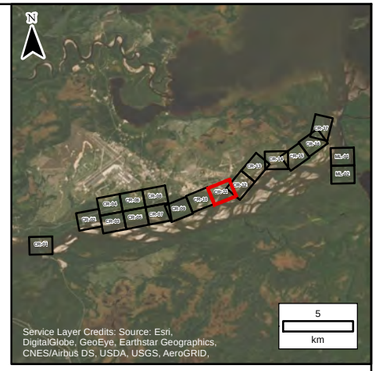

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY
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CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE–AFFECTED 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–11

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_11x17.mxd
11"x17" PLOT SCALE 1:1

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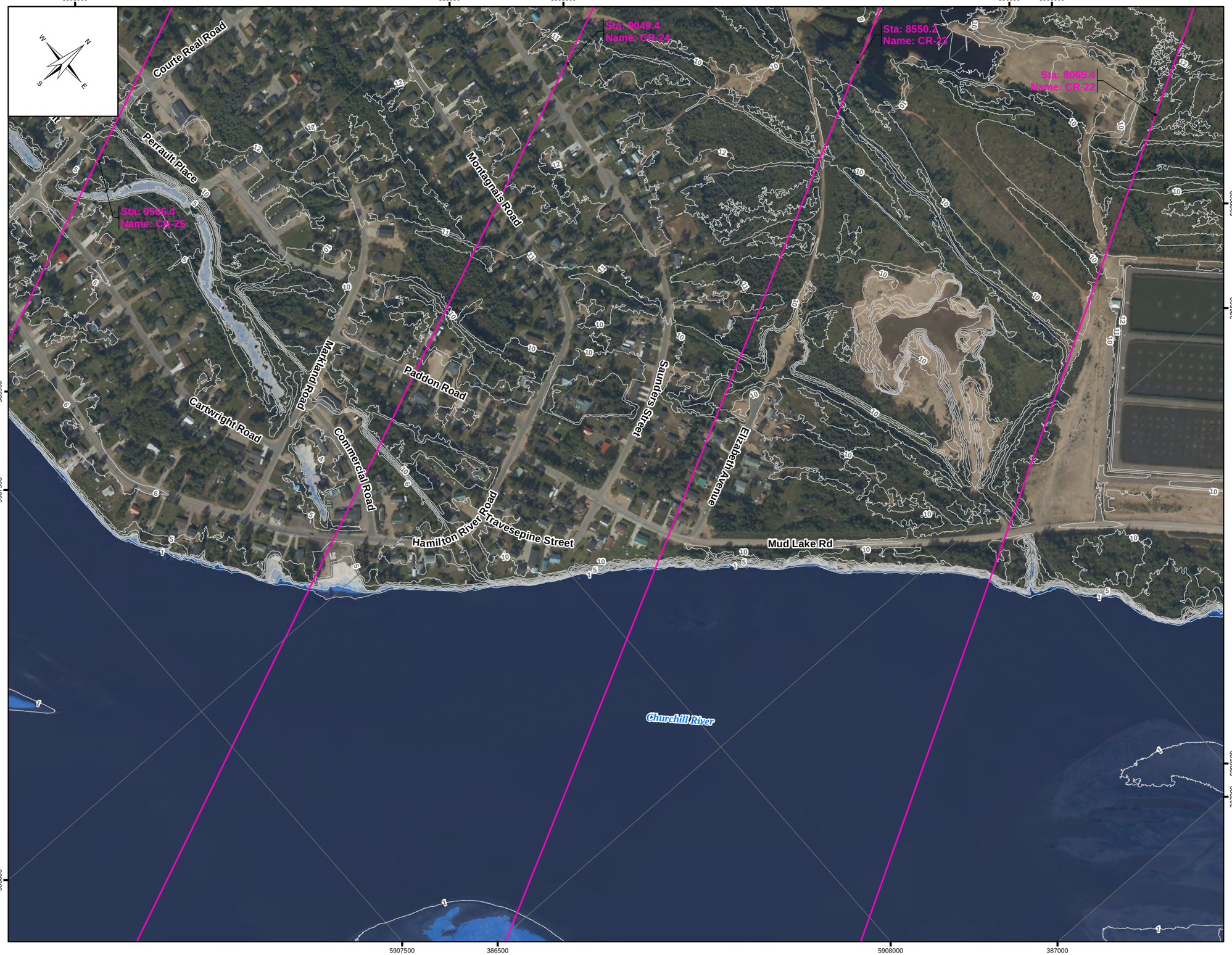

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–12

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_11x17.mxd
11"x17" PLOT SCALE 1:1

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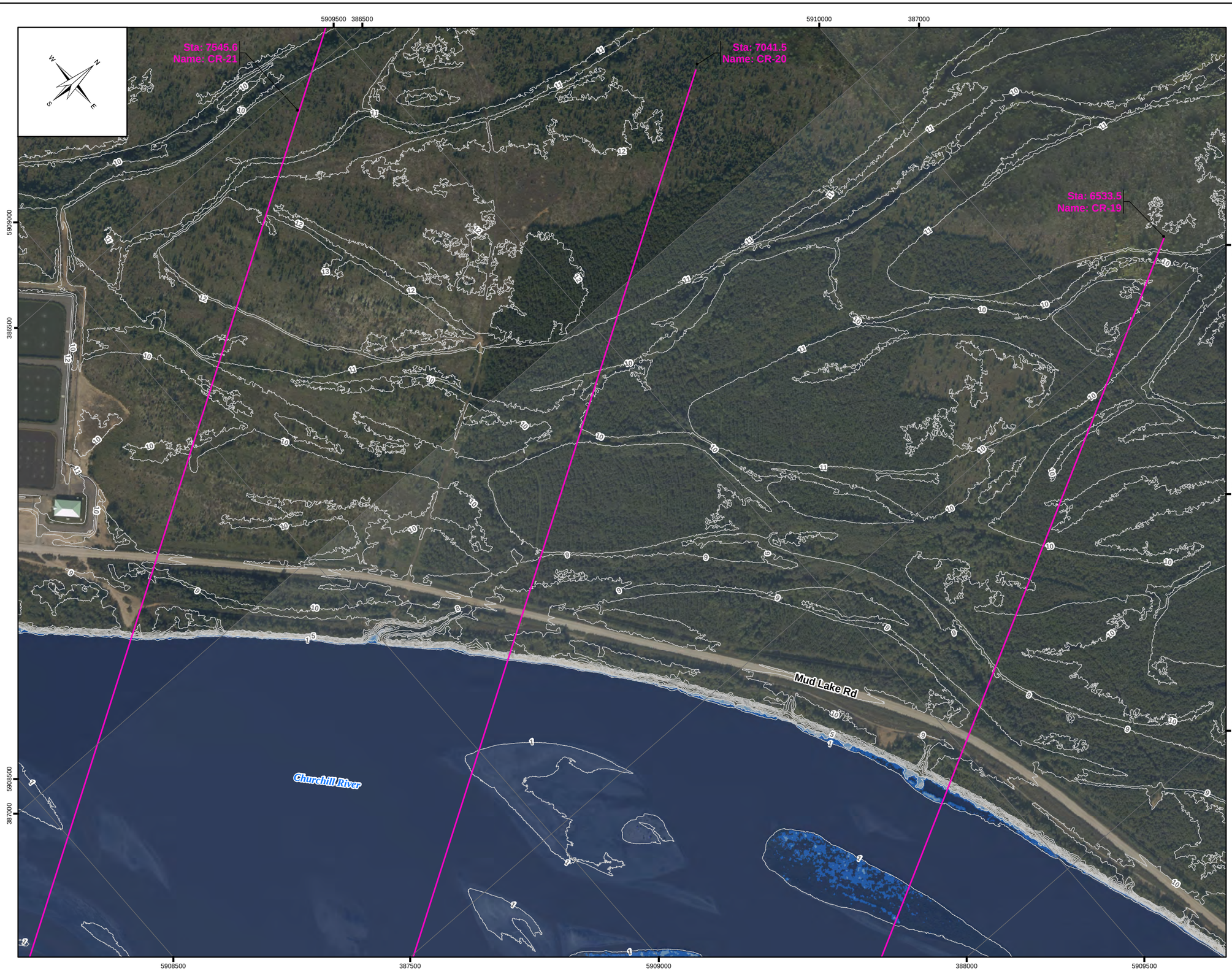

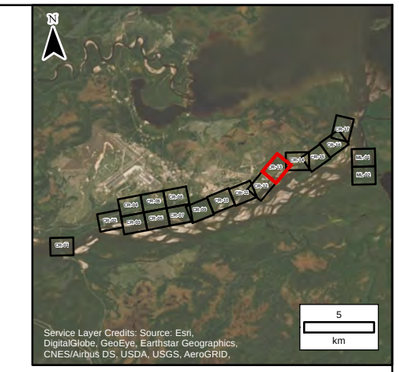

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–13

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_11x17.mxd
11"x17" PLOT SCALE 1:1

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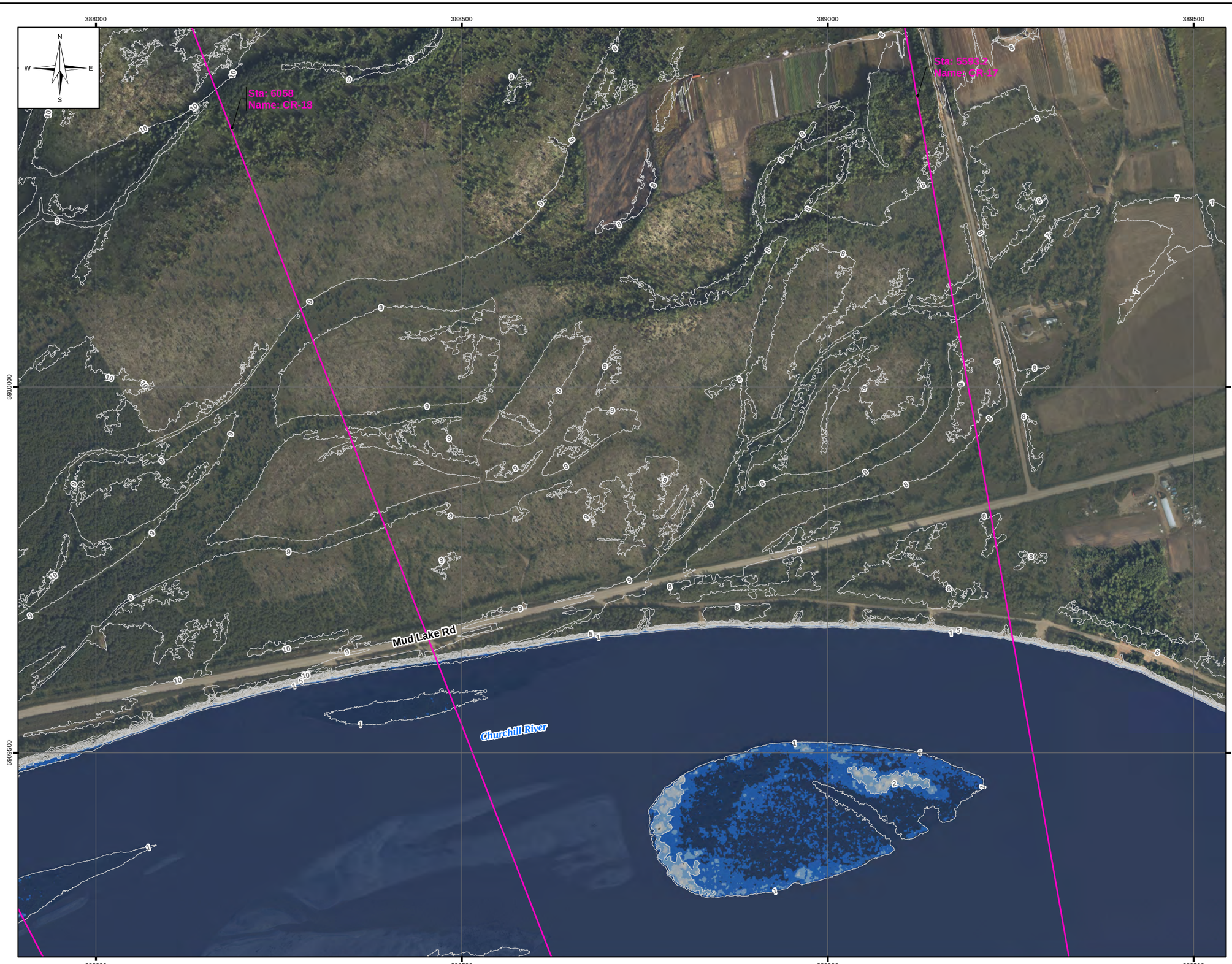

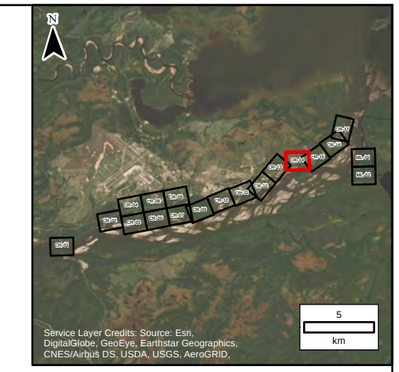

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–14

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_11x17.mxd
11"x17" PLOT SCALE 1:1

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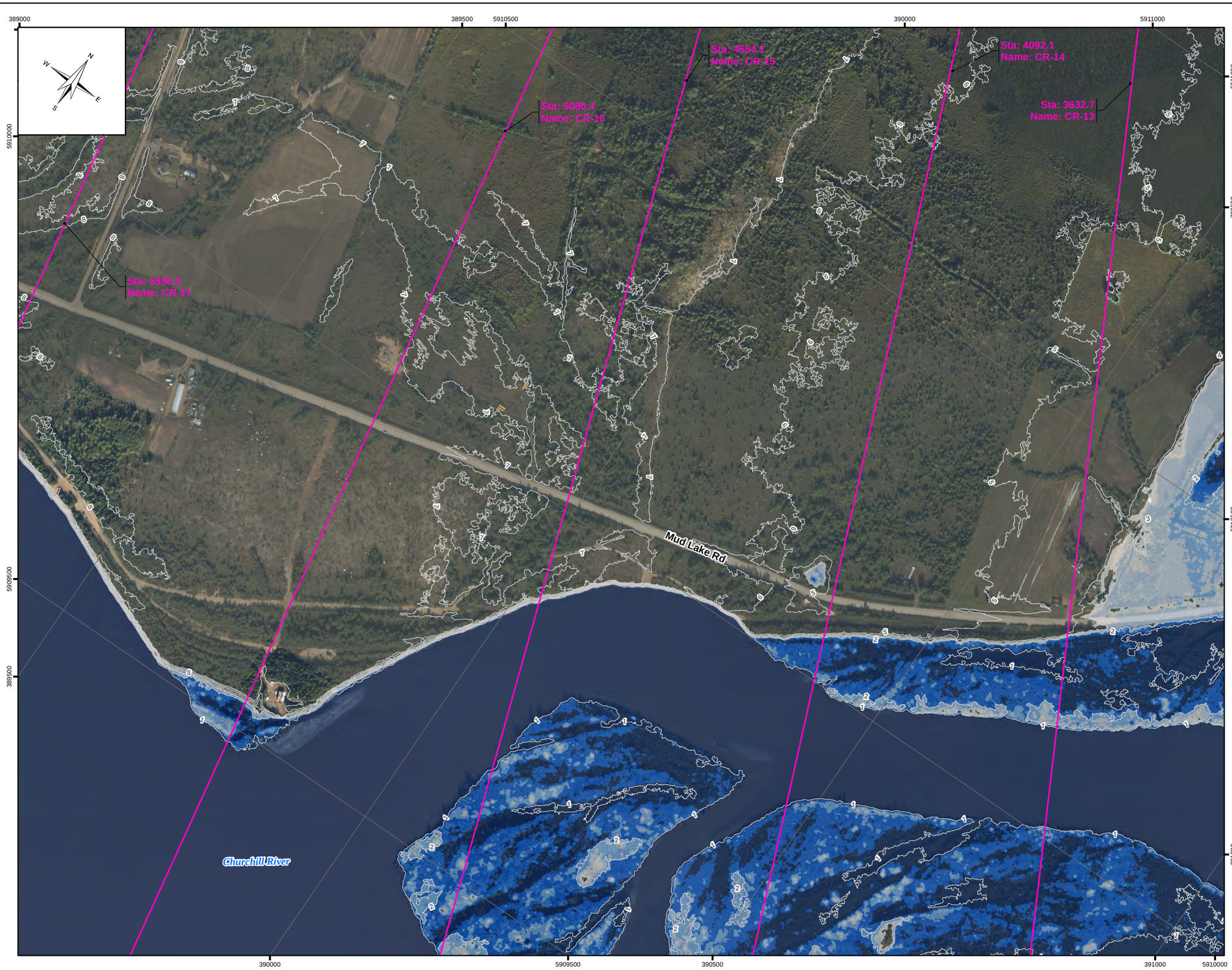

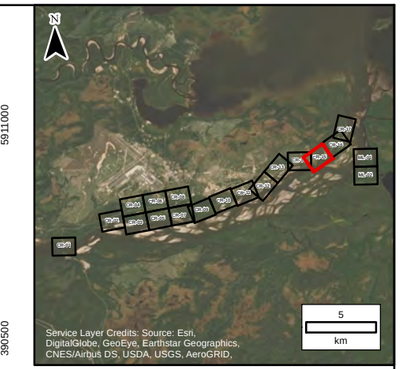

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–15

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_11x17.mxd
11"x17" PLOT SCALE 1:1

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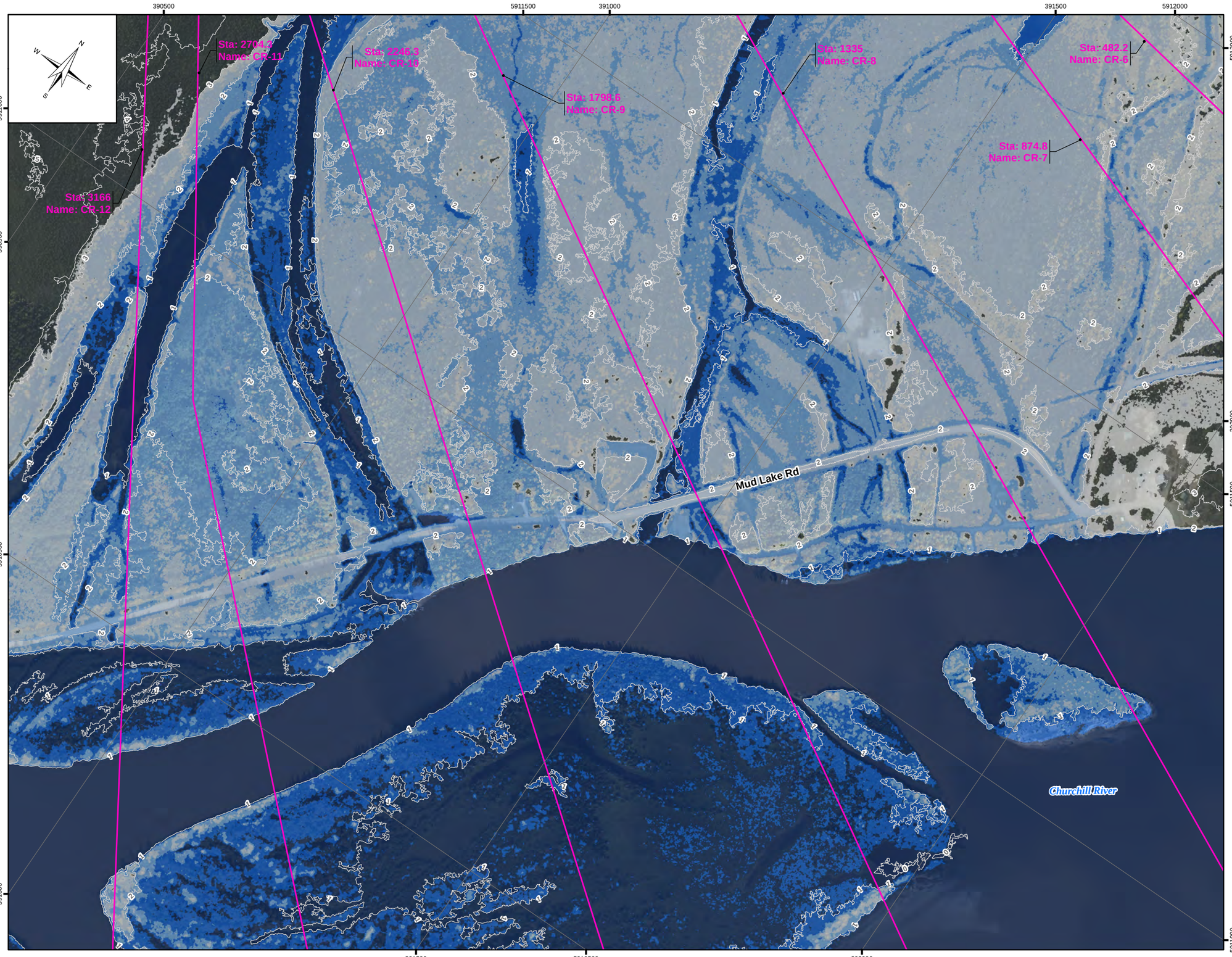

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–16

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_11x17.mxd
11"x17" PLOT SCALE 1:1

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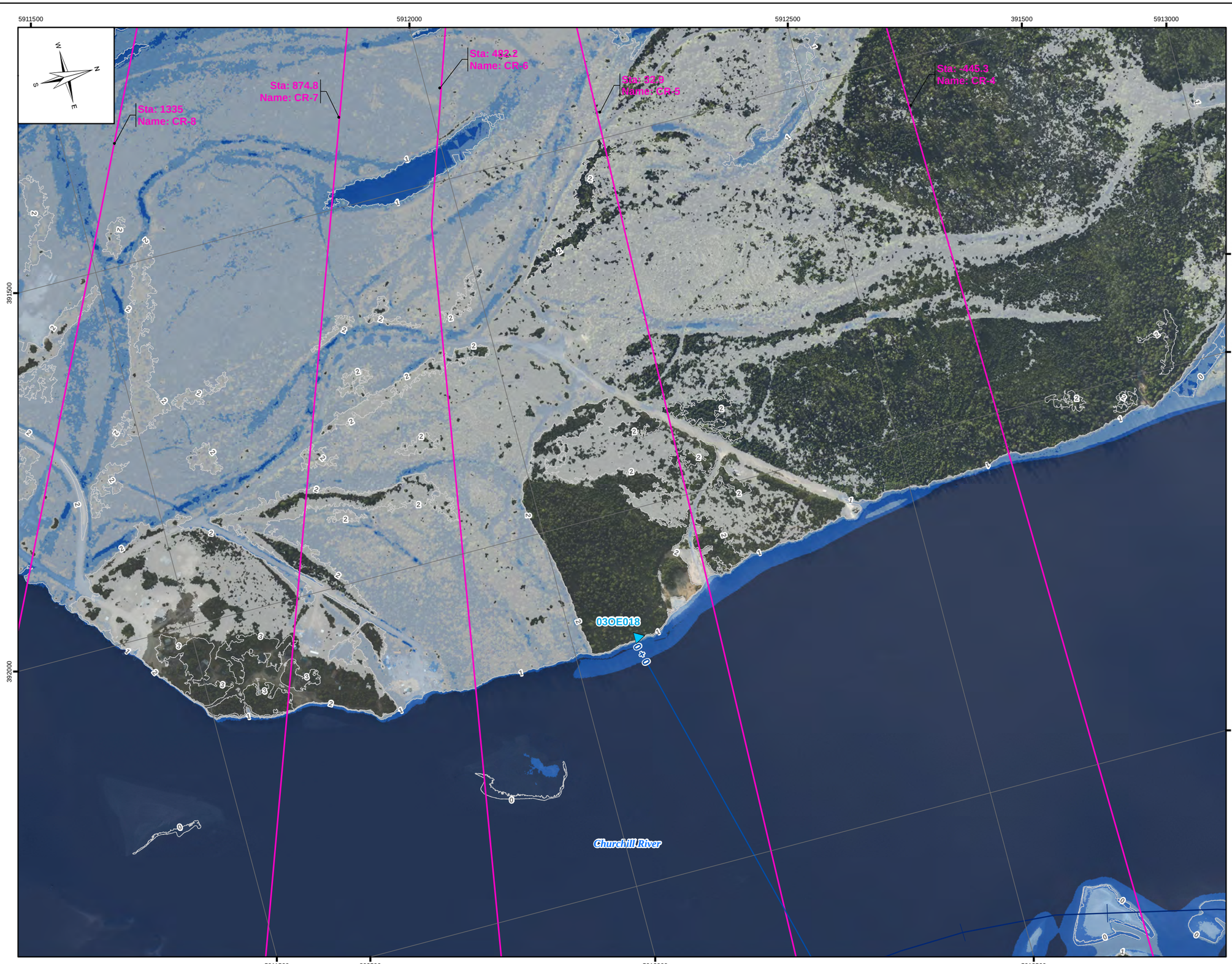

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – CR–17

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_11x17.mxd
11"x17" PLOT SCALE 1:1

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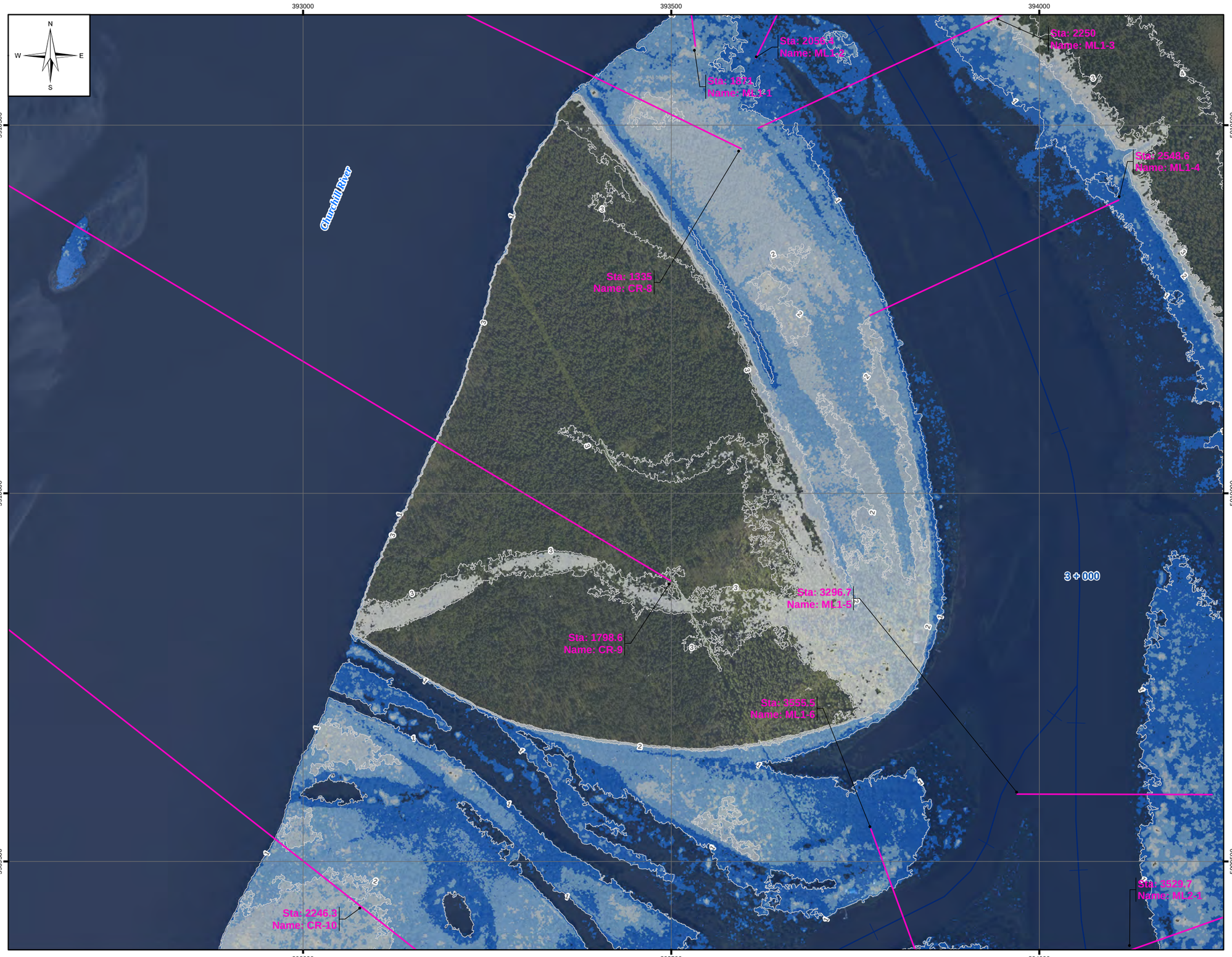

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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 INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – ML–01

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_11x17.mxd
11"x17" PLOT SCALE 1:1

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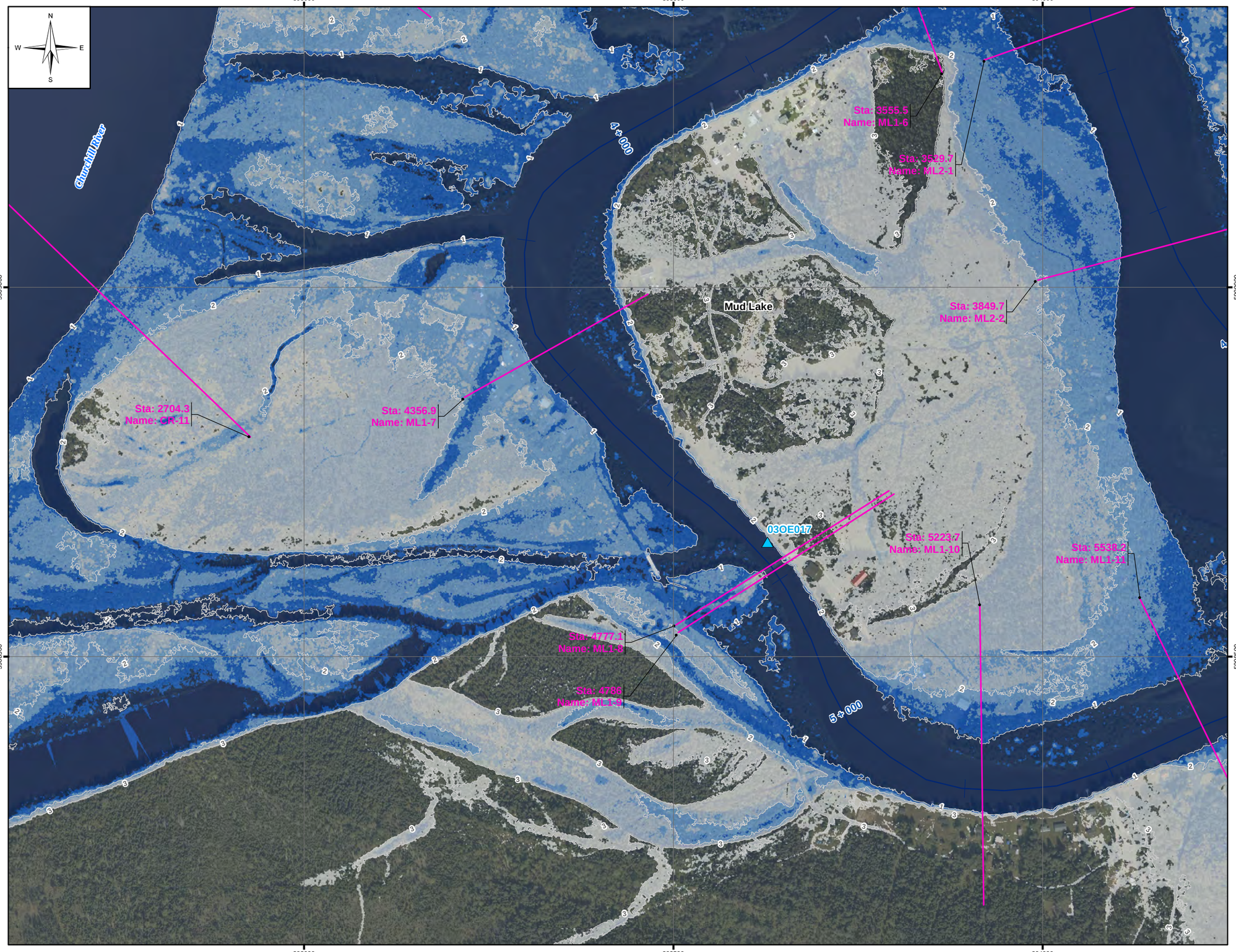

LEGEND:

- Sta: 23648 Name: CR-53 — Cross Section
- Water Survey of Canada Gauge Location
- River Centreline
- 1m LiDAR Contour

Water Depth (m)

- 0.0 – 0.5 m
- 0.5 – 1.0 m
- 1.0 – 1.5 m
- 1.5 – 2.0 m
- > 2.0 m

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.

50 0 50 100 150 200
Metres

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

All units are metric and in metres unless otherwise specified. Horzontal 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.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY
0	20/06/30	ISSUED WITH FINAL REPORT	DSB	MSW

REVISIONS / ISSUE

KGS GROUP CONSULTING ENGINEERS

Newfoundland Labrador

CHURCHILL RIVER FLOOD RISK AND FORECASTING

ICE–AFFECTED 1:100 YEAR INUNDATION DEPTH FOR CURRENT CLIMATE, CURRENT DEVELOPMENT (CC–CD) CONDITIONS – ML–02

JUNE 2020 | FIGURE 6.4 | REV: 0

FileName: P:\Projects\2018\18-3217-001\Dwg\GIS\MXD\Flood_Mapping\18-3217-001_Fig6.4_11x17.mxd
11"x17" PLOT SCALE 1:1