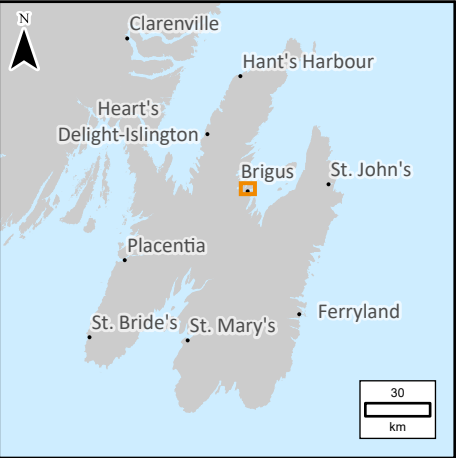
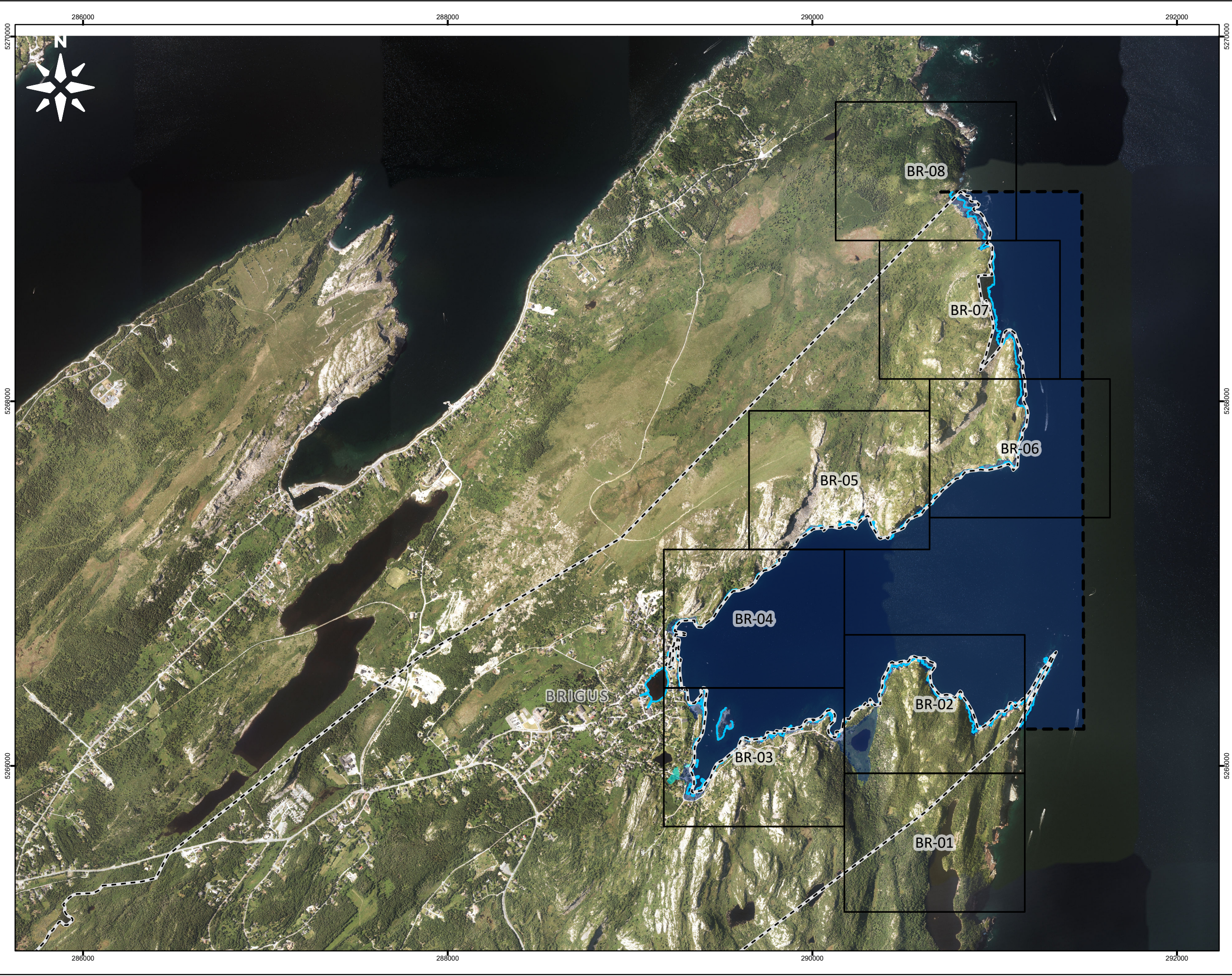




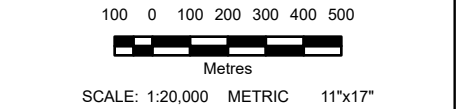
LEGEND:

- Coastline
- Limit of Mapping
- Map Extent
- Municipal Boundary
- 1:20 Year Wave Run Up
- 1:100 Year Wave Run Up

NOTES:

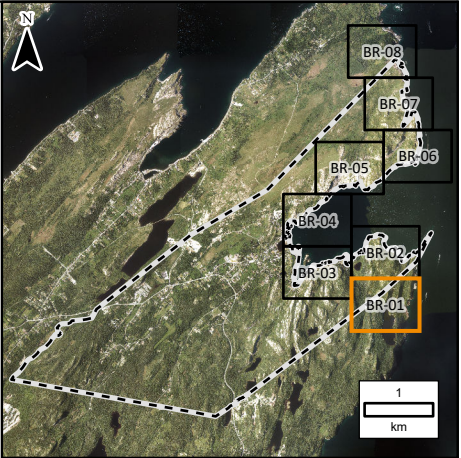
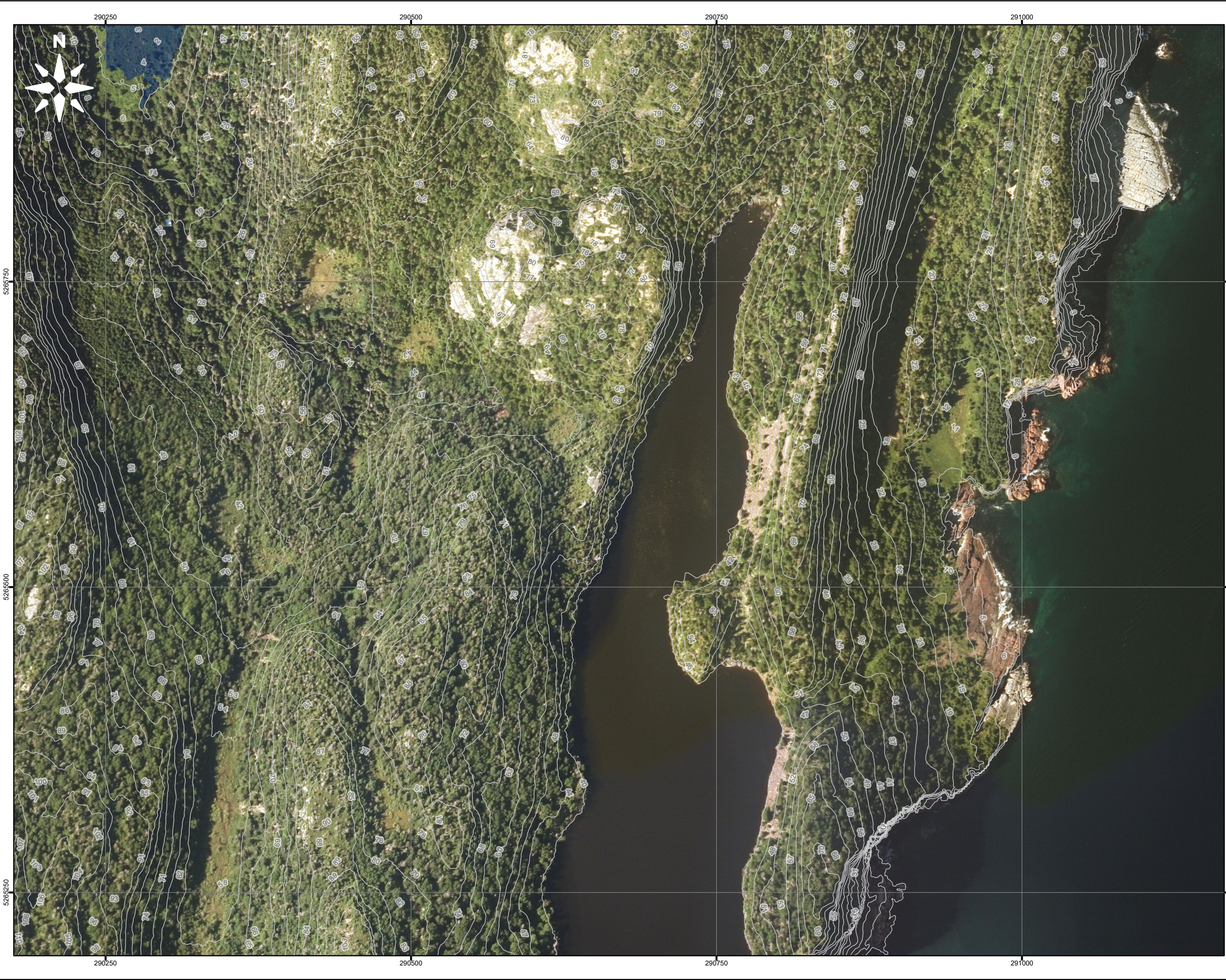
1. Imagery is supplied by the Government of Newfoundland and Labrador. (Capture date: 2020)

2. Climate change impacts on wave effects are incorporated by considering mid-century and late-century relative sea level projections (RCP 8.5) from the IPCC Fifth Assessment Report, obtained through the ClimateData.ca project.



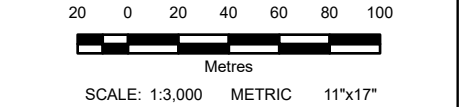
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 1. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR							
CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD)							
WAVE RUN UP - OVERVIEW MAP							
DECEMBER 2025		FIGURE 17.1	REV:	0			



- LEGEND:**
- 1:20 Year Wave Run Up
 - 1:100 Year Wave Run Up
 - Coastline
 - 5m LiDAR Contour
 - Limit of Mapping
 - Wave Run Up Transect

- NOTES:**
1. Imagery is supplied by the Government of Newfoundland and Labrador. (Capture date: 2020)
 2. Topography shown was developed by KGS Group from the HRDEM from Natural Resources Canada (NRCAN). (Capture date: June and July, 2020)
 3. Climate change impacts on wave effects are incorporated by considering mid-century and late-century relative sea level projections (RCP 8.5) from the IPCC Fifth Assessment Report, obtained through the ClimateData.ca project.

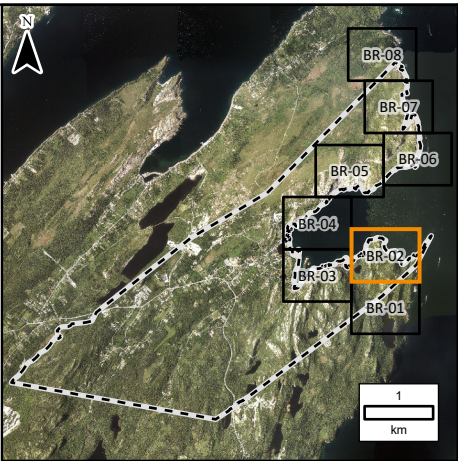
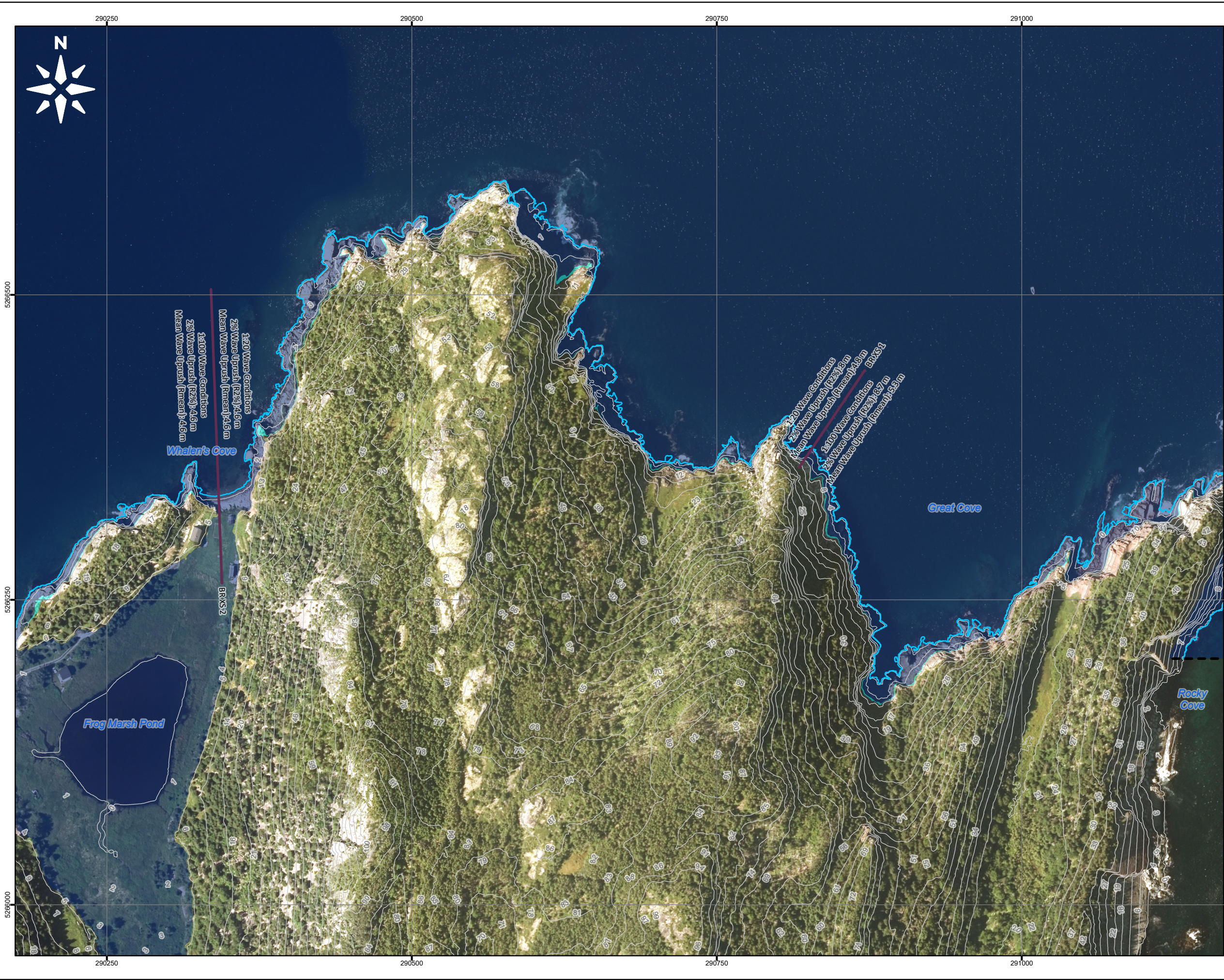


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 1. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY

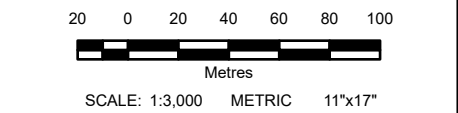
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CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR		
CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD) WAVE RUN UP - BR-01		
DECEMBER 2025	FIGURE 17.2	REV: 0



- LEGEND:**
- 1:20 Year Wave Run Up
 - 1:100 Year Wave Run Up
 - Coastline
 - 5m LiDAR Contour
 - Limit of Mapping
 - Wave Run Up Transect

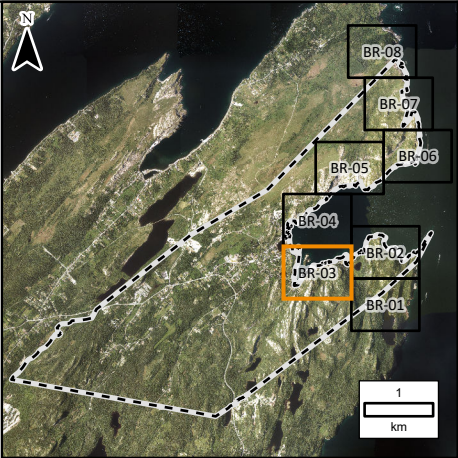
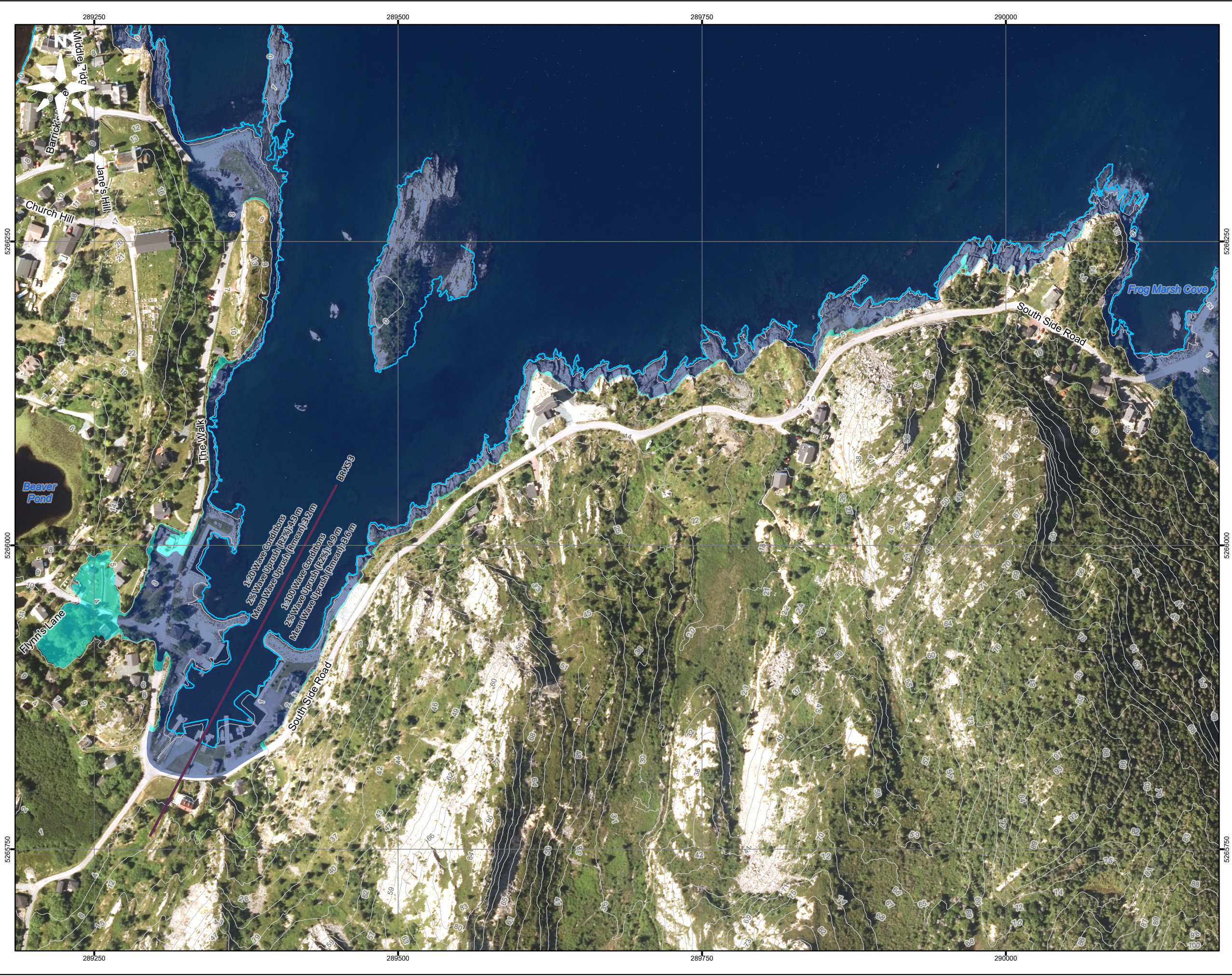
- NOTES:**
- Imagery is supplied by the Government of Newfoundland and Labrador. (Capture date: 2020)
 - Topography shown was developed by KGS Group from the HRDEM from Natural Resources Canada (NRCAN). (Capture date: June and July, 2020)
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SCALE: 1:3,000 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 1. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR								
CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD)								
WAVE RUN UP - BR-02								
DECEMBER 2025			FIGURE 17.2		REV: 0			



LEGEND:

- 1:20 Year Wave Run Up
- 1:100 Year Wave Run Up
- Coastline
- 5m LiDAR Contour
- Limit of Mapping
- Wave Run Up Transect

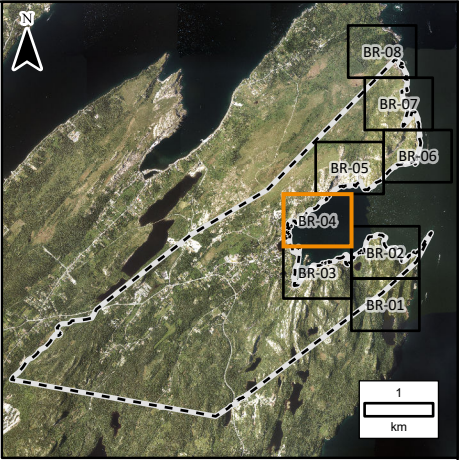
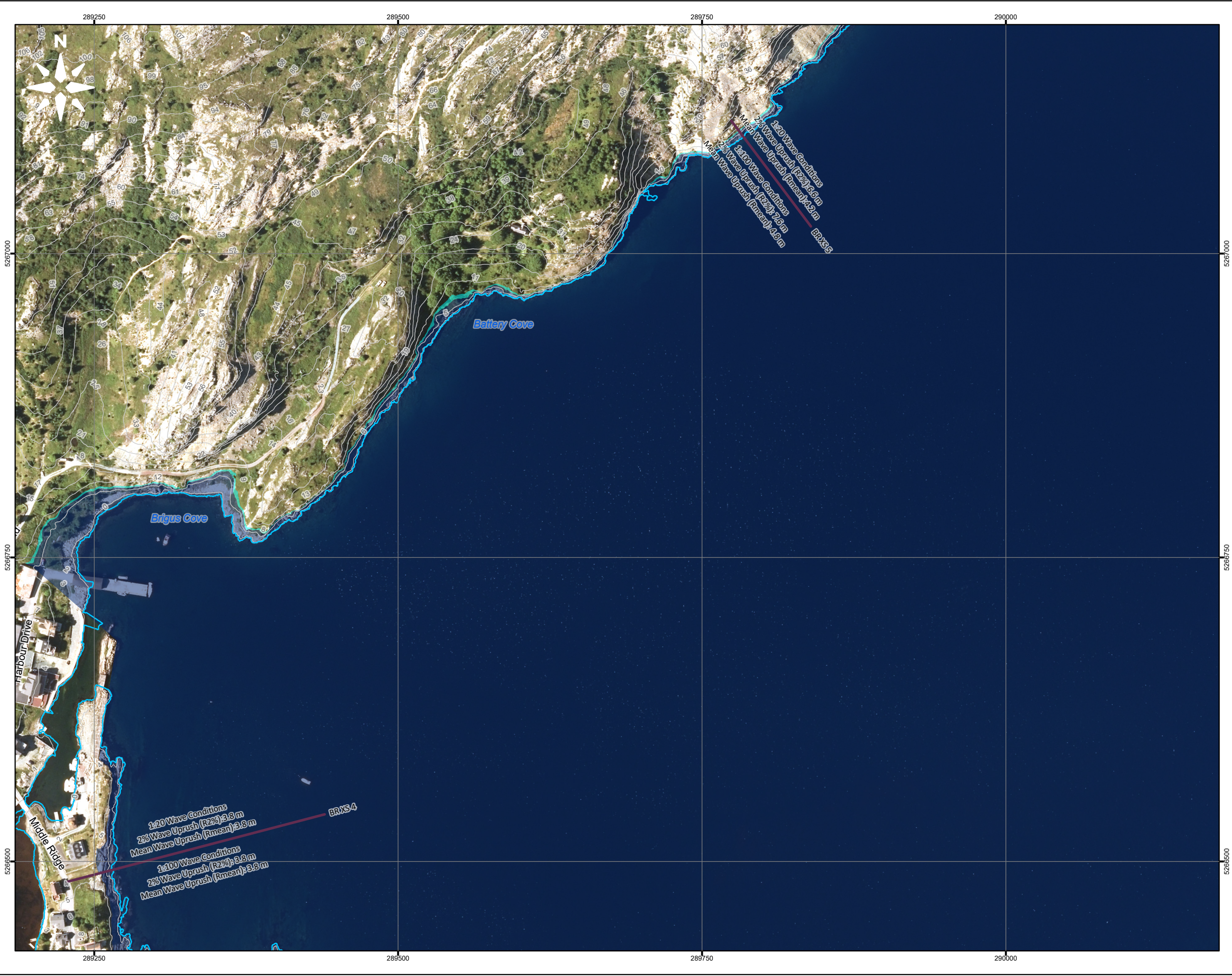
- NOTES:**
1. Imagery is supplied by the Government of Newfoundland and Labrador. (Capture date: 2020)
 2. Topography shown was developed by KGS Group from the HRDEM from Natural Resources Canada (NRCAN). (Capture date: June and July, 2020)
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20 0 20 40 60 80 100
Metres

SCALE: 1:3,000 METRIC 11"x17"

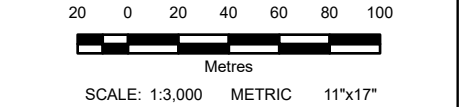
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 1. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR				
CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD)				
WAVE RUN UP - BR-03				
DECEMBER 2025		FIGURE 17.2		REV: 0



- LEGEND:**
- 1:20 Year Wave Run Up
 - 1:100 Year Wave Run Up
 - Coastline
 - 5m LiDAR Contour
 - Limit of Mapping
 - Wave Run Up Transect

- NOTES:**
- Imagery is supplied by the Government of Newfoundland and Labrador. (Capture date: 2020)
 - Topography shown was developed by KGS Group from the HRDEM from Natural Resources Canada (NRCAN). (Capture date: June and July, 2020)
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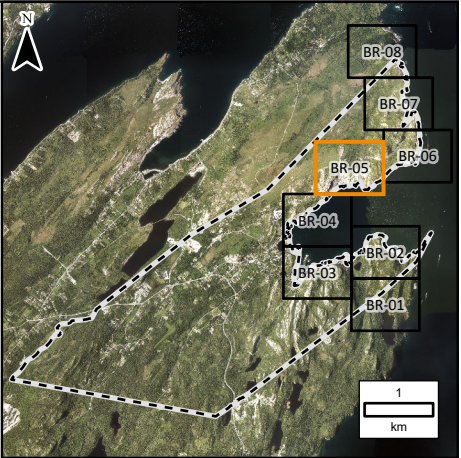


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 1. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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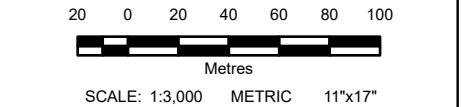
CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR		
CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD) WAVE RUN UP - BR-04		
DECEMBER 2025	FIGURE 17.2	REV: 0



LEGEND:

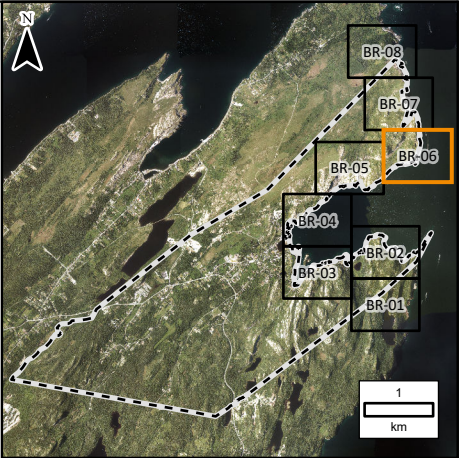
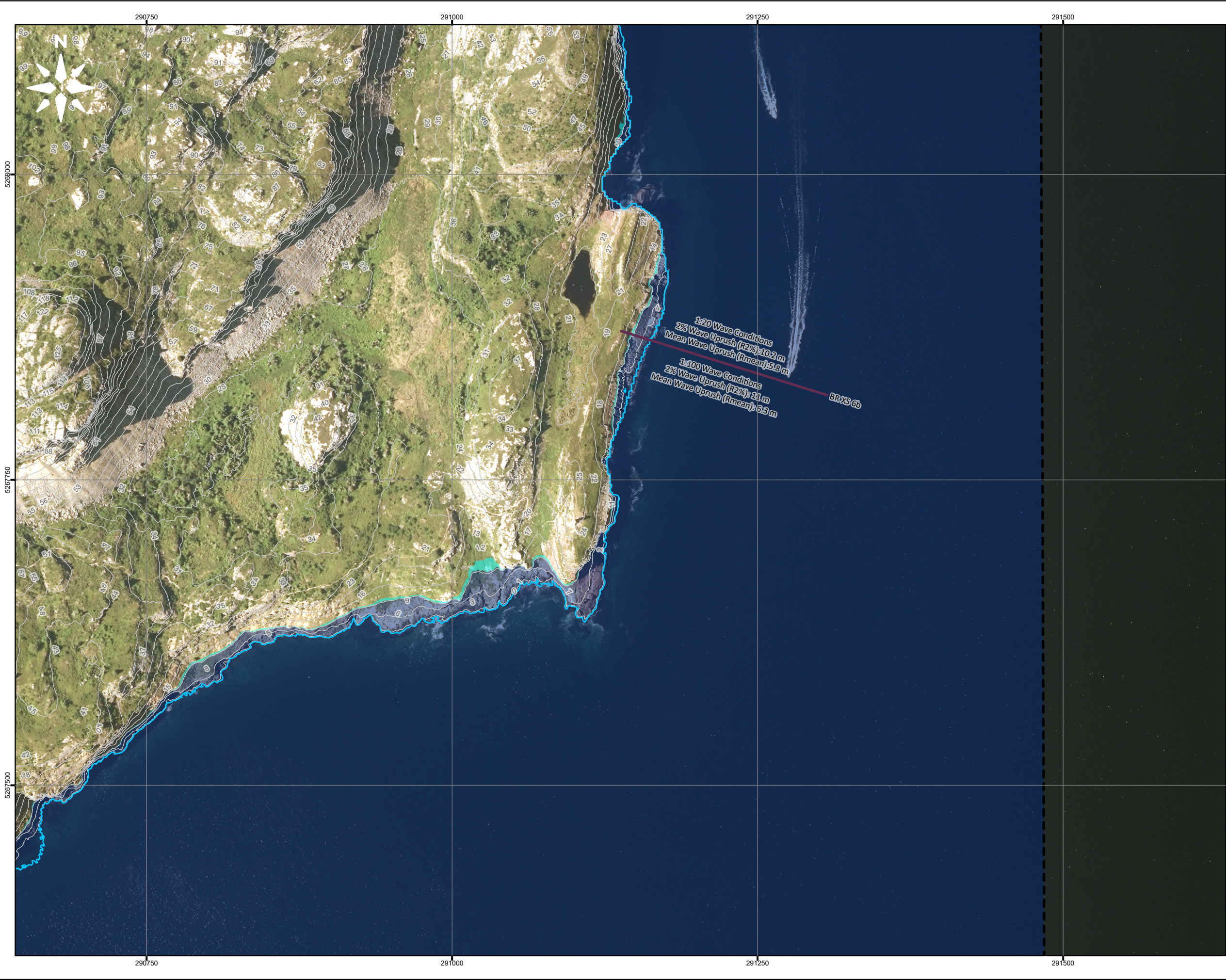
- 1:20 Year Wave Run Up
- 1:100 Year Wave Run Up
- Coastline
- 5m LiDAR Contour
- Limit of Mapping
- Wave Run Up Transect

- NOTES:**
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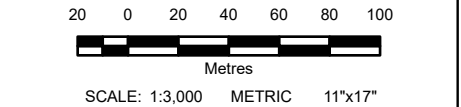
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM)
Zone 1. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR				
CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD)				
WAVE RUN UP - BR-05				
DECEMBER 2025		FIGURE 17.2		REV: 0



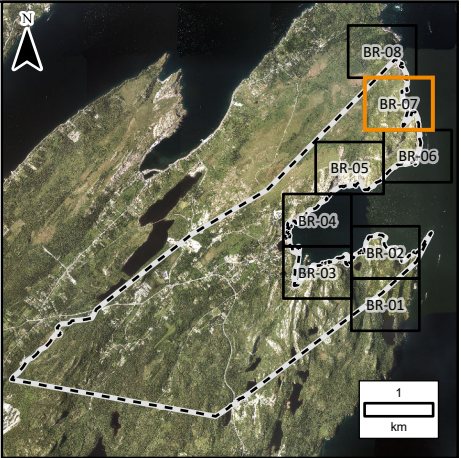
- LEGEND:**
- 1:20 Year Wave Run Up
 - 1:100 Year Wave Run Up
 - Coastline
 - 5m LiDAR Contour
 - Limit of Mapping
 - Wave Run Up Transect

- NOTES:**
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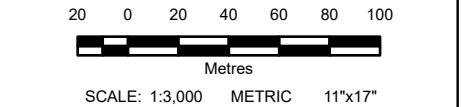
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 1. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR				
CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD) WAVE RUN UP - BR-06				
DECEMBER 2025		FIGURE 17.2		REV: 0



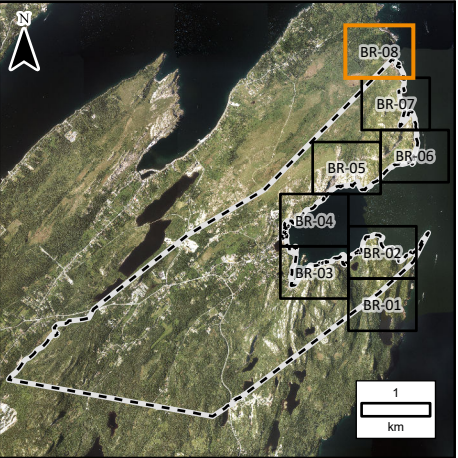
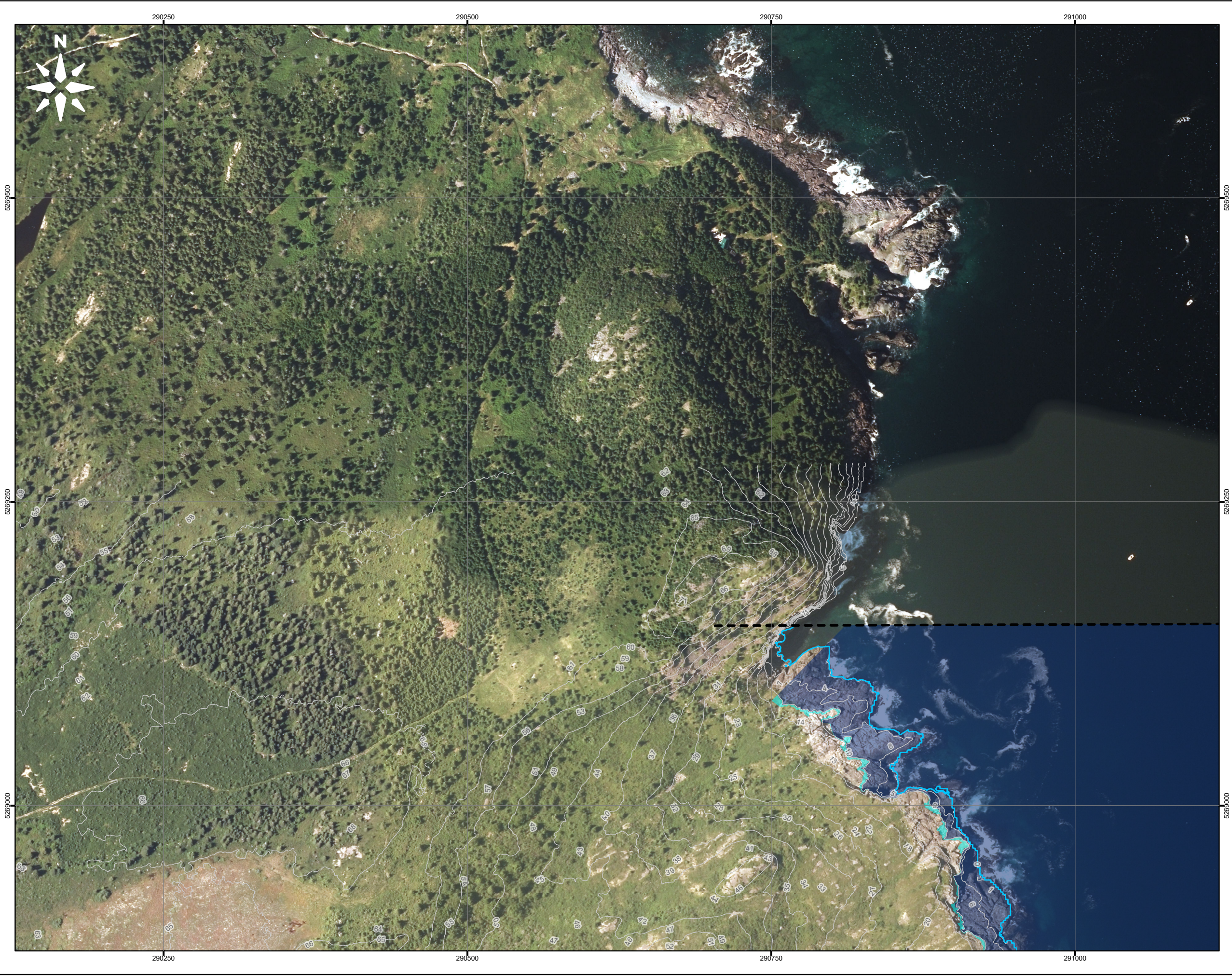
- LEGEND:**
- 1:20 Year Wave Run Up
 - 1:100 Year Wave Run Up
 - Coastline
 - 5m LiDAR Contour
 - Limit of Mapping
 - Wave Run Up Transect

- NOTES:**
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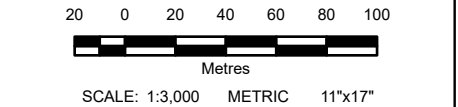
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 1, Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR				
CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD)				
WAVE RUN UP - BR-07				
DECEMBER 2025		FIGURE 17.2		REV: 0



- LEGEND:**
- 1:20 Year Wave Run Up
 - 1:100 Year Wave Run Up
 - Coastline
 - 5m LiDAR Contour
 - Limit of Mapping
 - Wave Run Up Transect

- NOTES:**
1. Imagery is supplied by the Government of Newfoundland and Labrador. (Capture date: 2020)
 2. Topography shown was developed by KGS Group from the HRDEM from Natural Resources Canada (NRCAN). (Capture date: June and July, 2020)
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Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 1. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR				
CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD) WAVE RUN UP - BR-08				
DECEMBER 2025		FIGURE 17.2	REV:	0