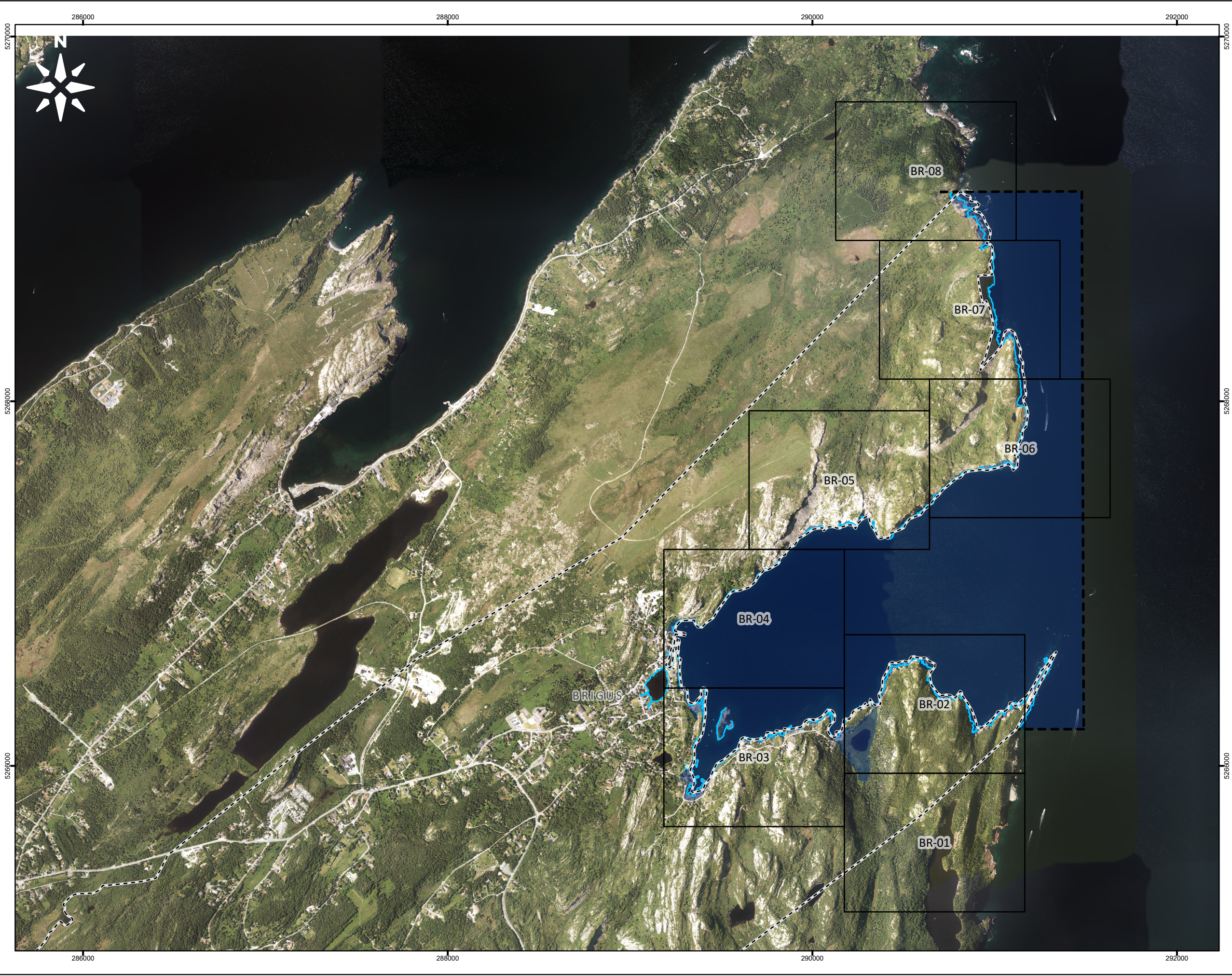
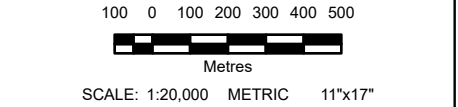




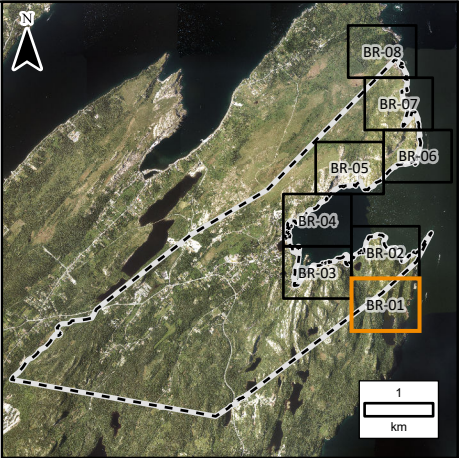
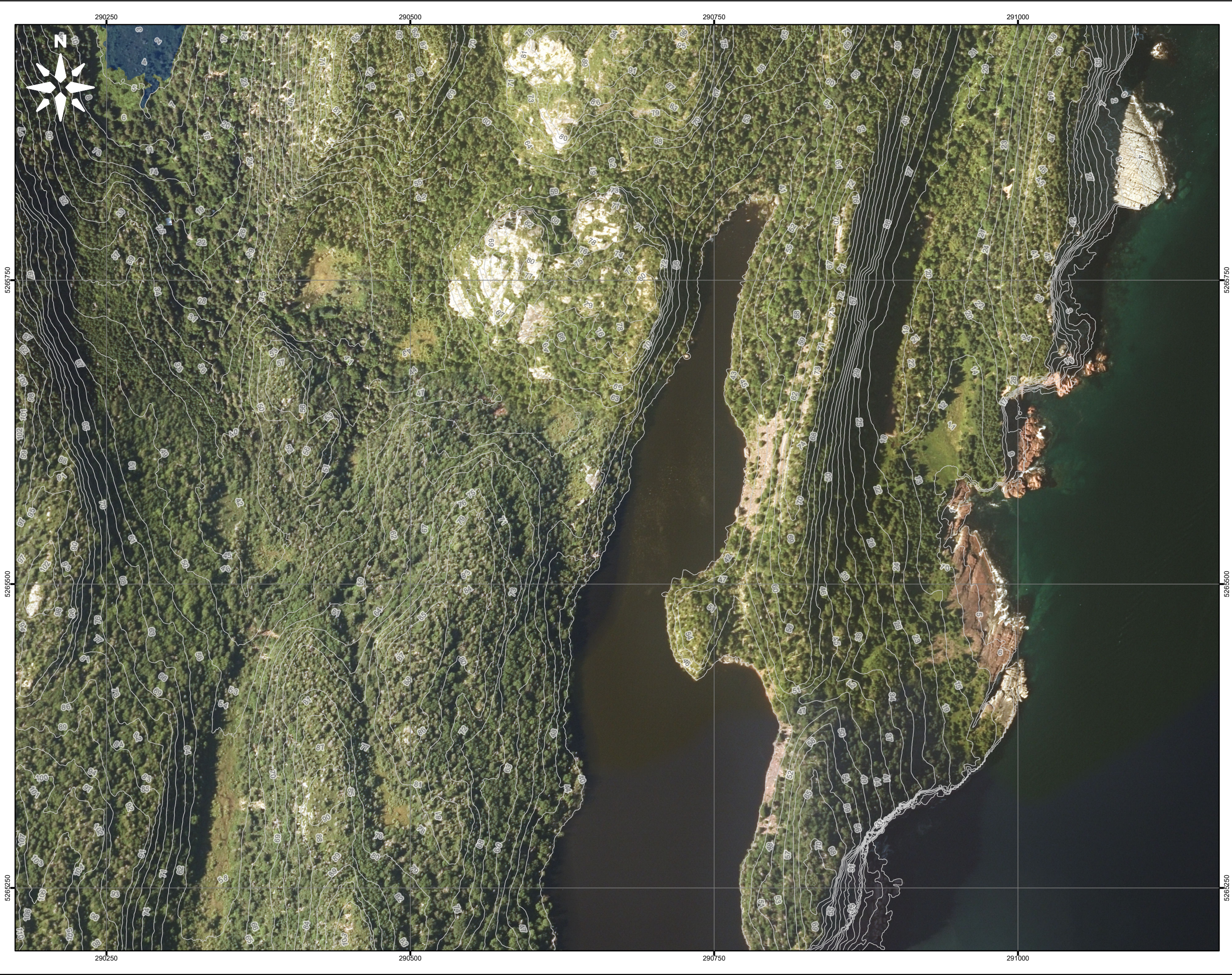
- LEGEND:**
- Coastline
 - Limit of Mapping
 - Map Extent
 - Municipal Boundary
 - 1:20 Year Wave Run Up
 - 1:100 Year Wave Run Up

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



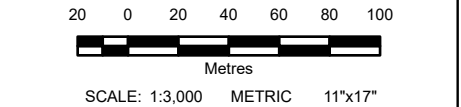
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 1. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY
REVISIONS / ISSUE				
				
CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR				
CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WAVE RUN UP - OVERVIEW MAP				
DECEMBER 2025		FIGURE 12.1		REV: 0



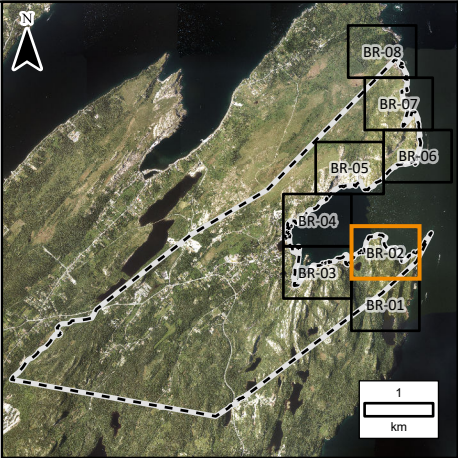
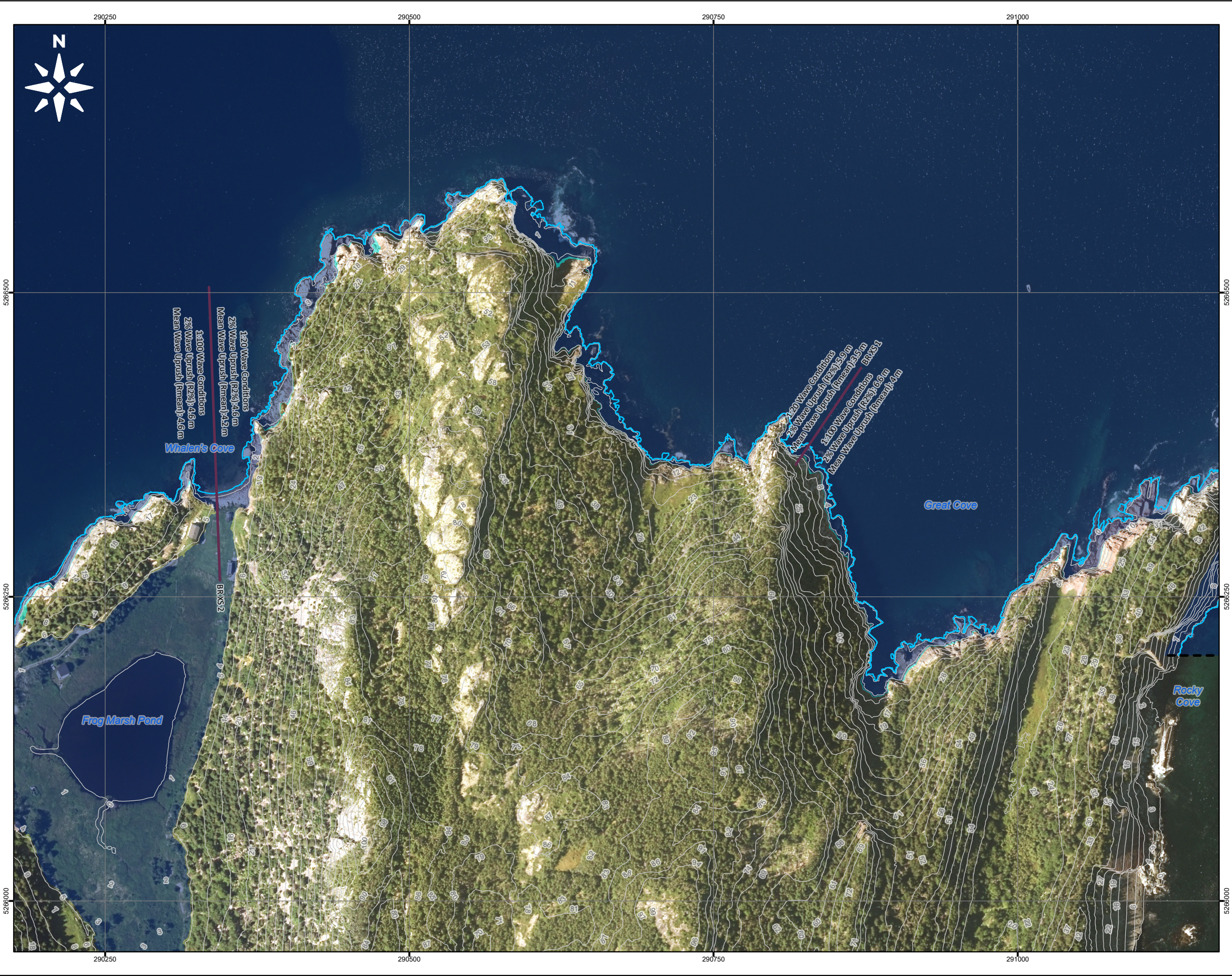
- LEGEND:**
- 1:20 Year Wave Run Up
 - 1:100 Year Wave Run Up
 - Coastline
 - 5m LiDAR Contour
 - Limit of Mapping
 - Wave Run Up Transect

- NOTES:**
- 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)



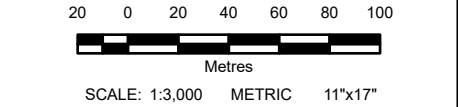
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 1, Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

➡	0	25/12/19	ISSUED WITH FINAL REPORT	ALW	DSB
	NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY
REVISIONS / ISSUE					
					
CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR					
CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WAVE RUN UP - BR-01					
DECEMBER 2025		FIGURE 12.2		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)

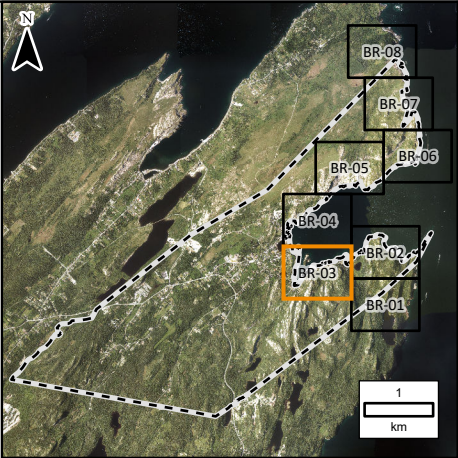
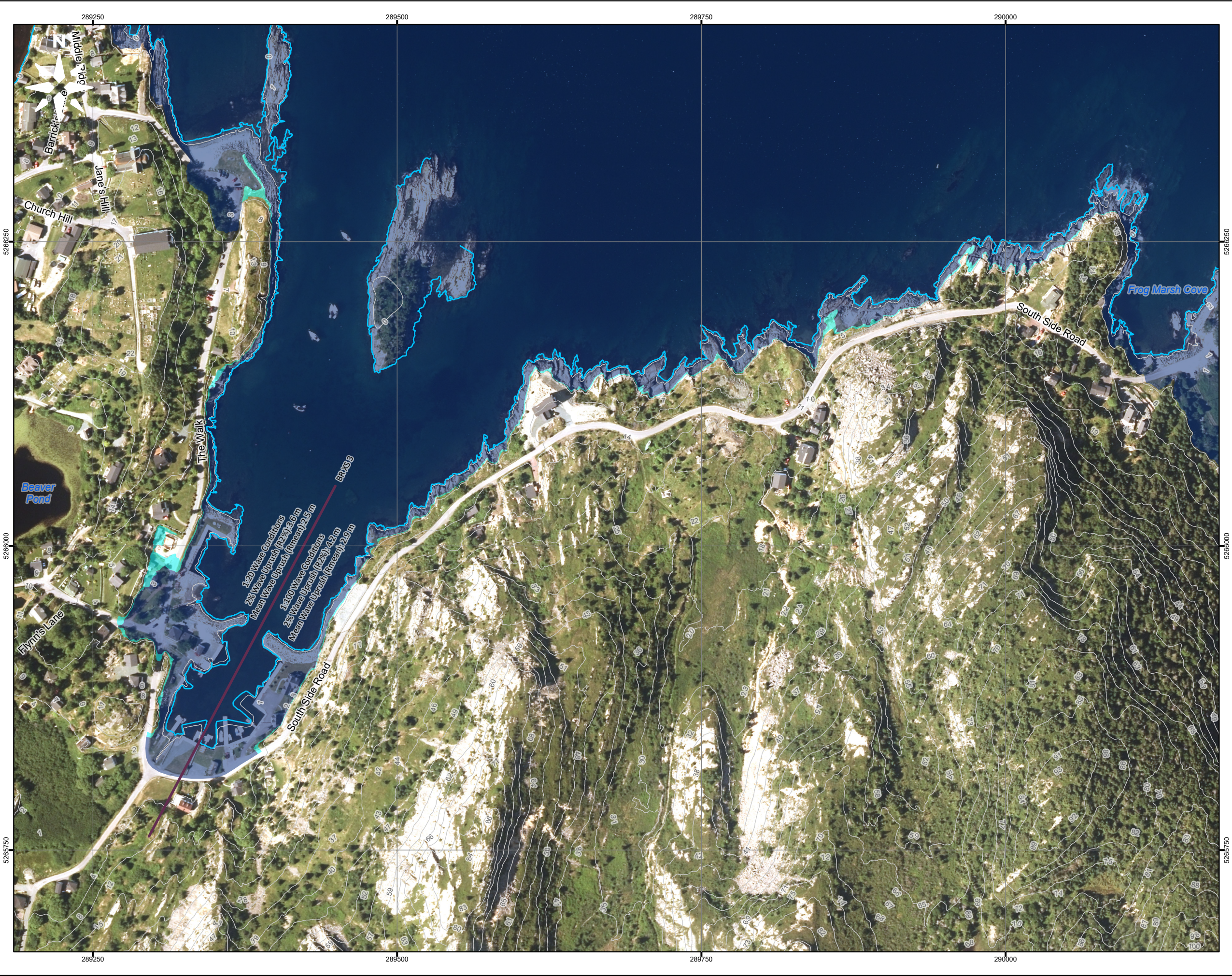


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 1, Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

0	25/12/19	ISSUED WITH FINAL REPORT	ALW	DSB
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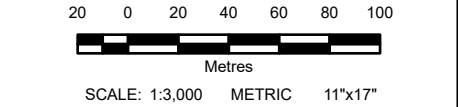
CLIMATE CHANGE FLOOD HAZARD MAPPING
STUDY FOR FERRYLAND, BRIGUS, HEART'S
DELIGHT, WINTERTON & HANT'S HARBOUR
CURRENT CLIMATE AND CURRENT
DEVELOPMENT CONDITION (CC-CD)
WAVE RUN UP - BR-02

DECEMBER 2025	FIGURE 12.2	REV: 0
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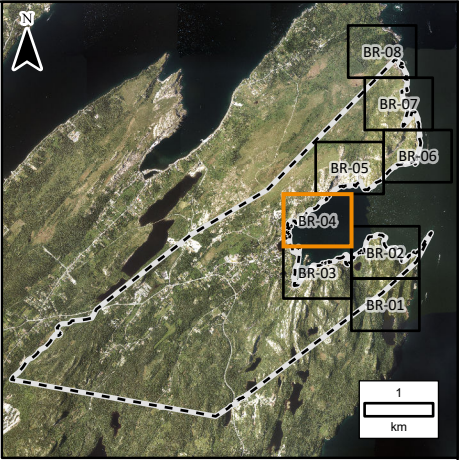
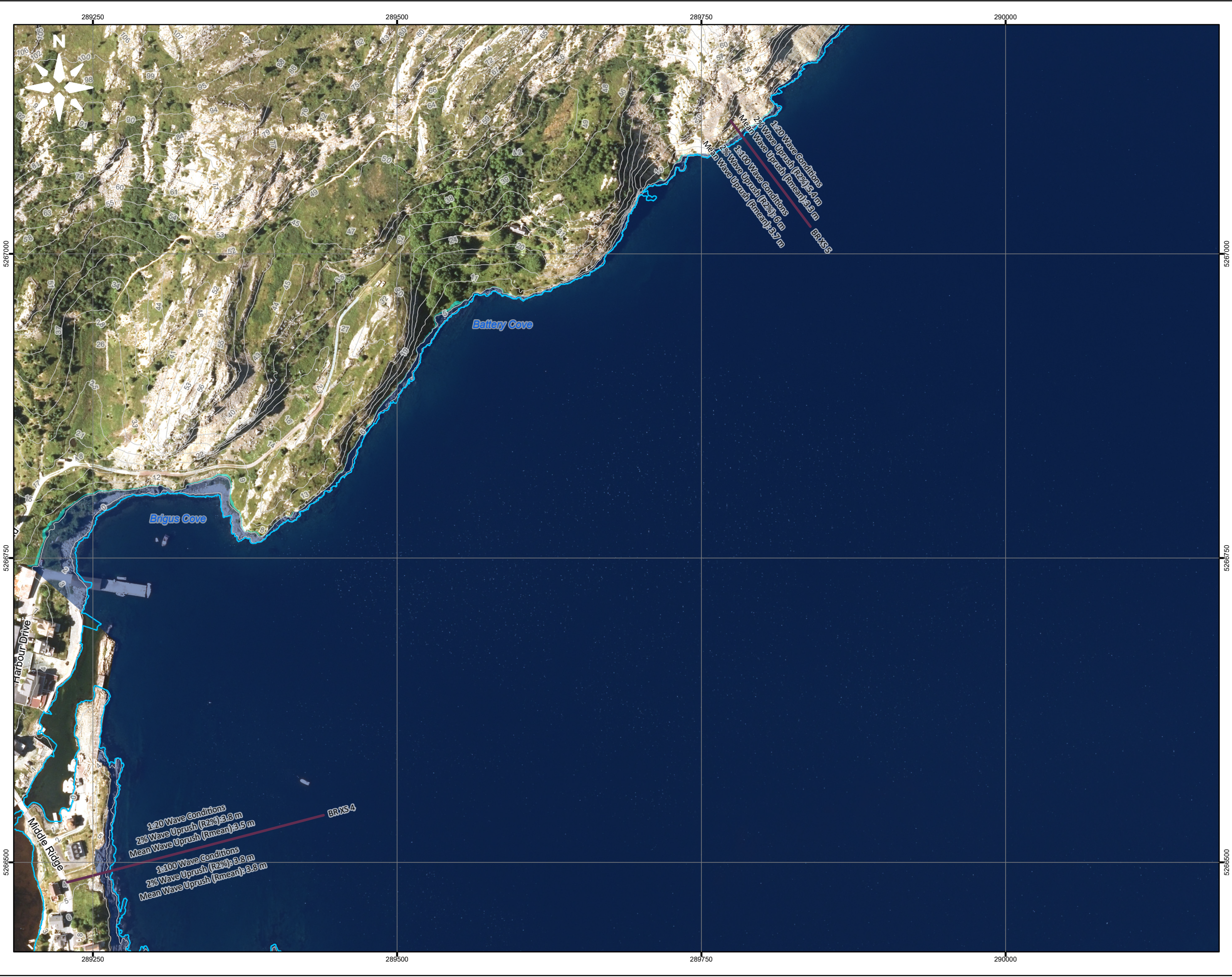
- LEGEND:**
- 1:20 Year Wave Run Up
 - 1:100 Year Wave Run Up
 - Coastline
 - 5m LiDAR Contour
 - Limit of Mapping
 - Wave Run Up Transect

- 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)



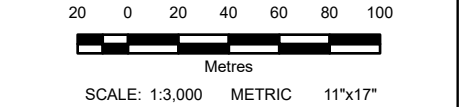
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 1. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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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				
CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD)				
WAVE RUN UP - BR-03				
DECEMBER 2025		FIGURE 12.2		REV: 0



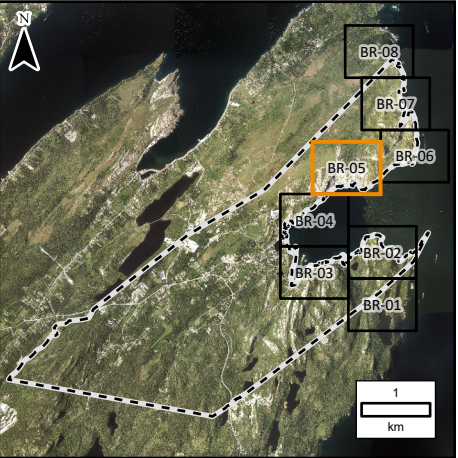
- LEGEND:**
- 1:20 Year Wave Run Up
 - 1:100 Year Wave Run Up
 - Coastline
 - 5m LiDAR Contour
 - Limit of Mapping
 - Wave Run Up Transect

- 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)



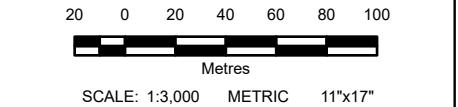
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 1. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

➡	0	25/12/19	ISSUED WITH FINAL REPORT	ALW	DSB
	NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY
REVISIONS / ISSUE					
					
CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR					
CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD)					
WAVE RUN UP - BR-04					
DECEMBER 2025			FIGURE 12.2		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)

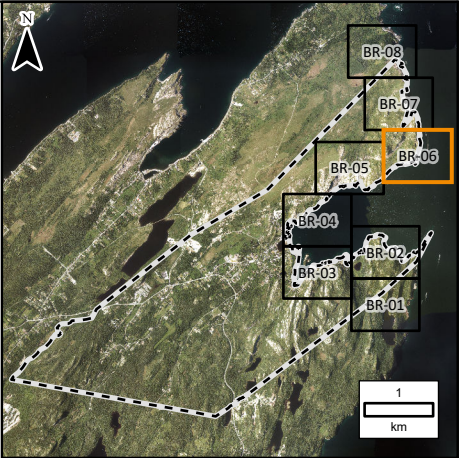
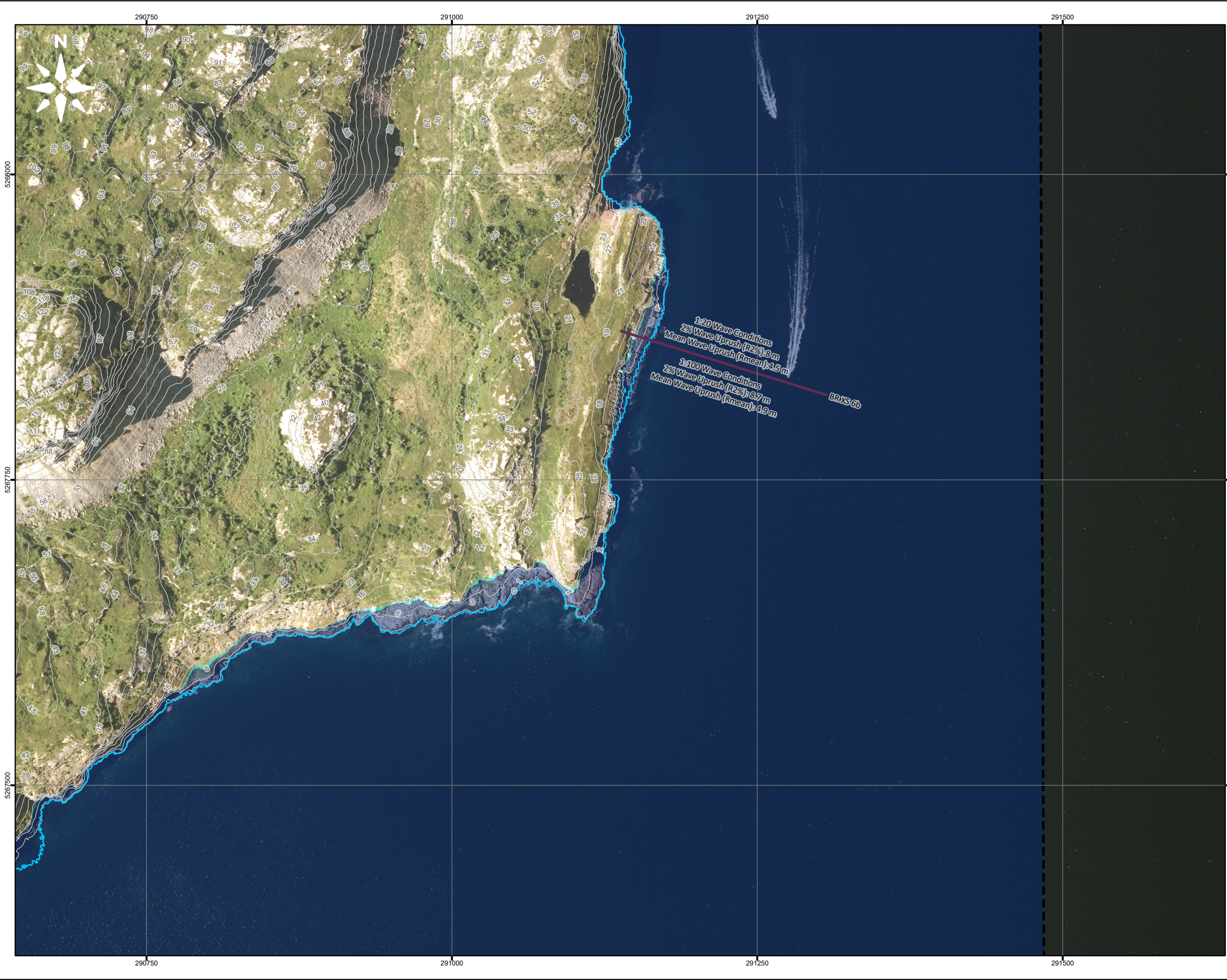


All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 1. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WAVE RUN UP - BR-05			REV:	0
DECEMBER 2025		FIGURE 12.2		



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)



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

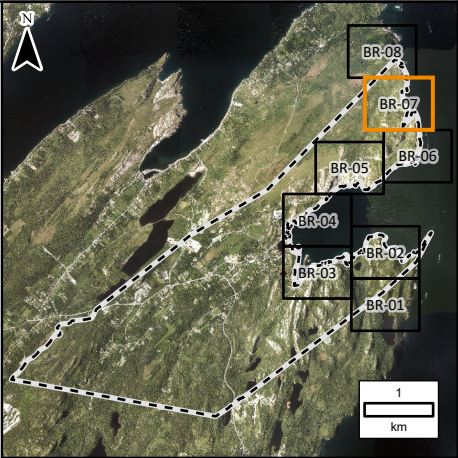
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 1, Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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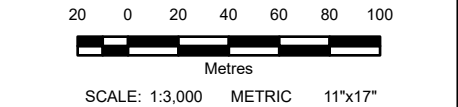
CLIMATE CHANGE FLOOD HAZARD MAPPING
STUDY FOR FERRYLAND, BRIGUS, HEART'S
DELIGHT, WINTERTON & HANT'S HARBOUR
CURRENT CLIMATE AND CURRENT
DEVELOPMENT CONDITION (CC-CD)
WAVE RUN UP - BR-06

DECEMBER 2025	FIGURE 12.2	REV: 0
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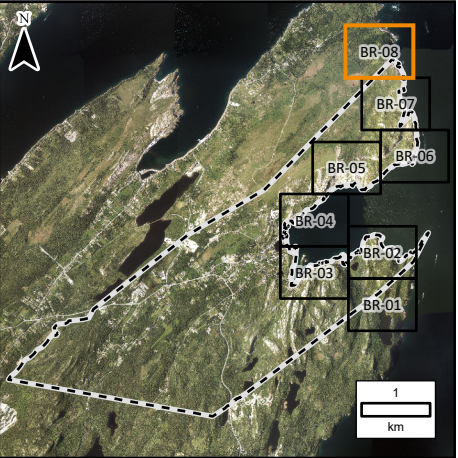
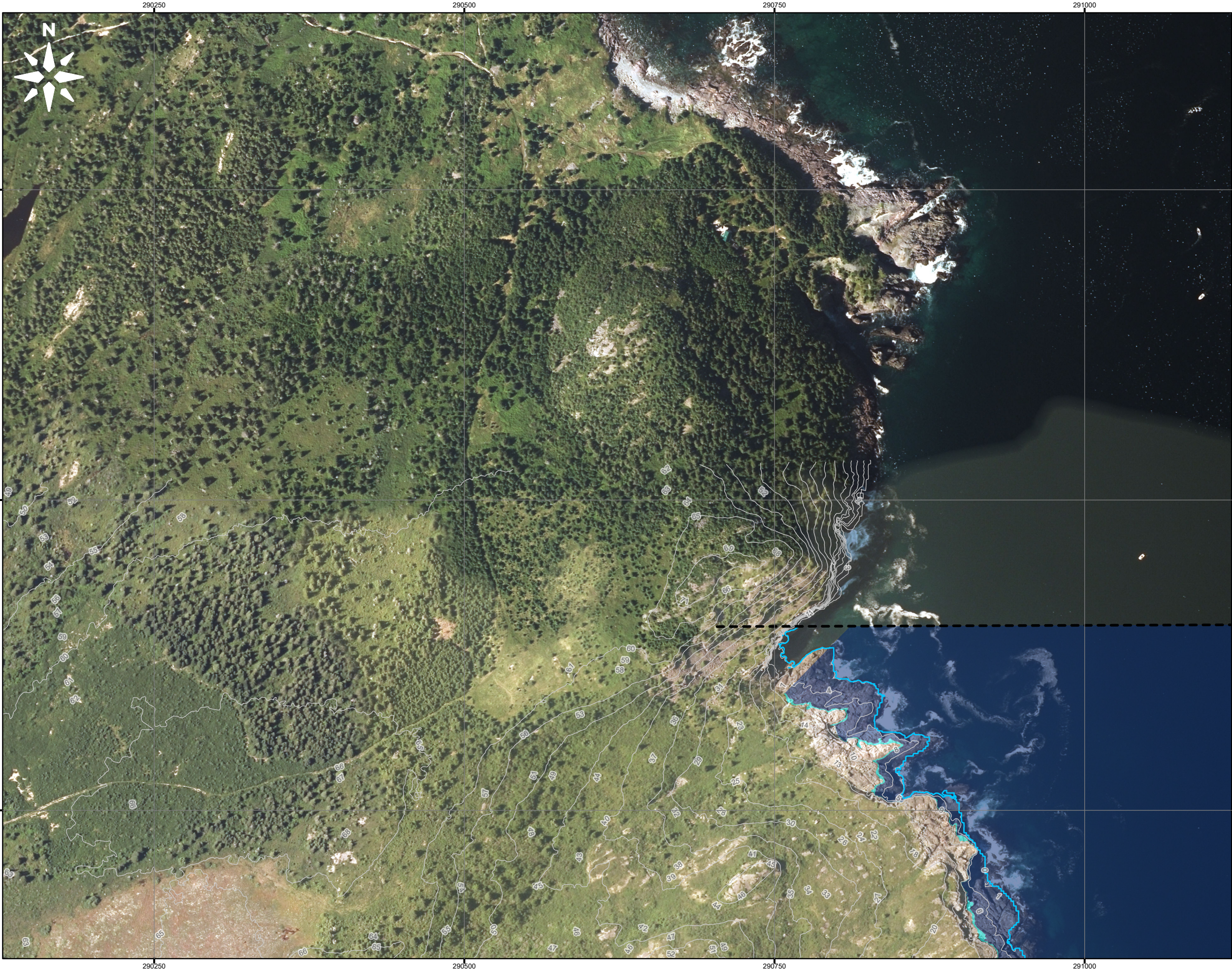
- LEGEND:**
- 1:20 Year Wave Run Up
 - 1:100 Year Wave Run Up
 - Coastline
 - 5m LiDAR Contour
 - Limit of Mapping
 - Wave Run Up Transect

- 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)



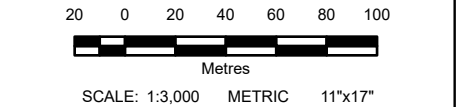
All units are metric and in metres unless otherwise specified.
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 1, Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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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				
CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD)				
WAVE RUN UP - BR-07				
DECEMBER 2025		FIGURE 12.2	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)



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							
CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD)							
WAVE RUN UP - BR-08							
DECEMBER 2025		FIGURE 12.2		REV: 0			