



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

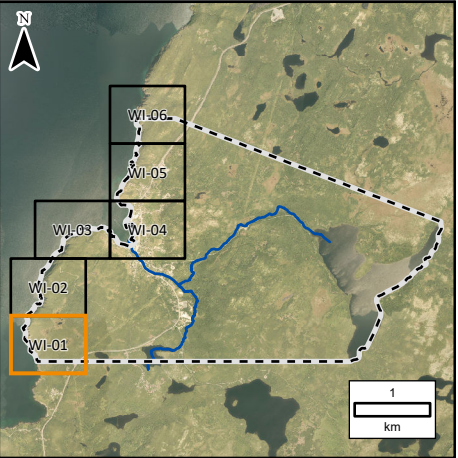
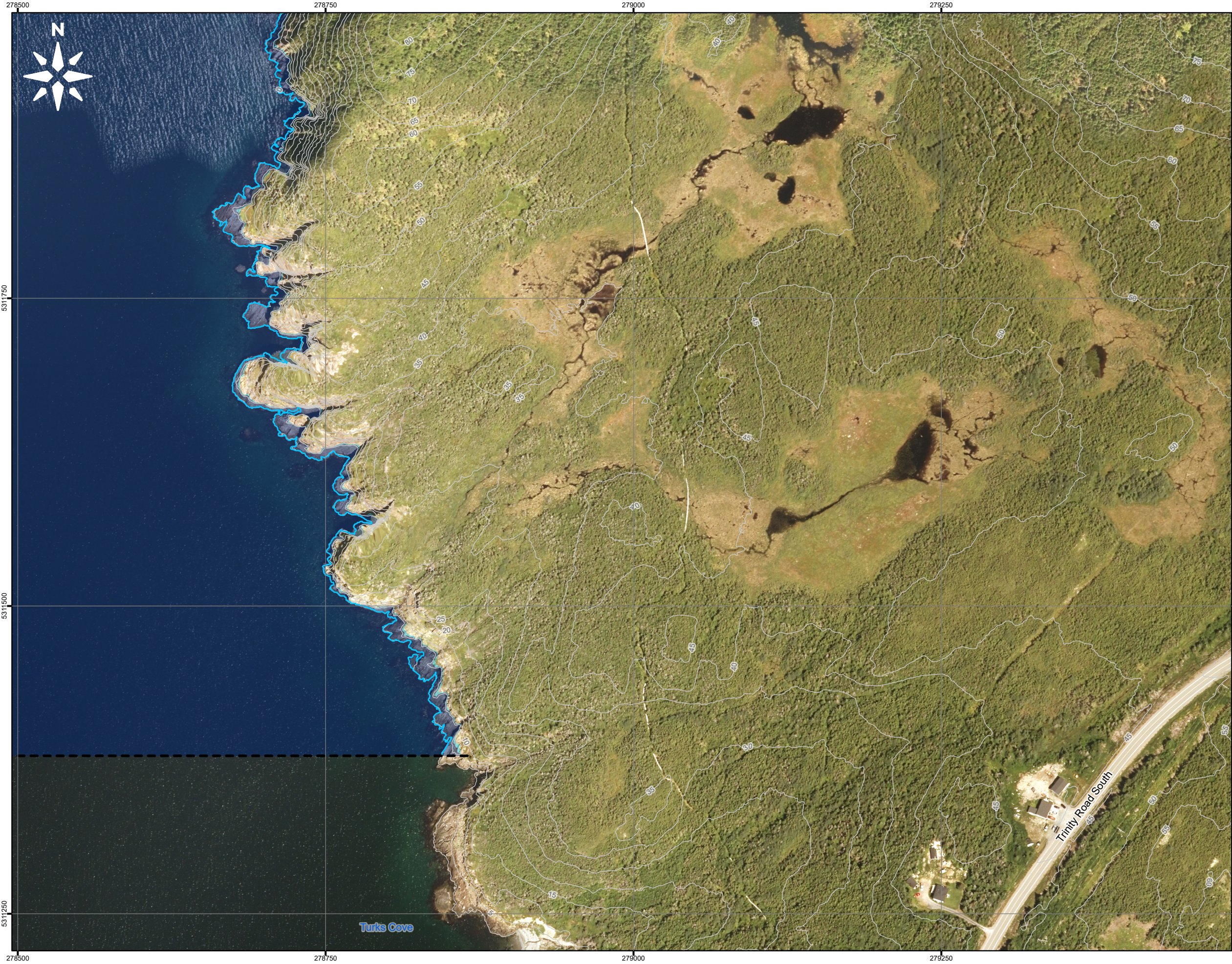
- NOTES:**
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  - Climate change impacts on wave effects are incorporated by considering mid-century and late-century relative sea level projections (RCP 8.5) from the IPCC Fifth Assessment Report, obtained through the ClimateData.ca project.

100 0 100 200 300 400 500  
Metres  
SCALE: 1:20,000 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).

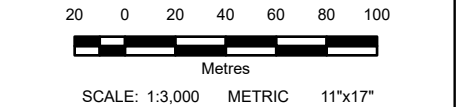
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|                         |          |  |           |          |
| CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR |          |                                                                                       |           |          |
| CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD) WAVE RUN UP - OVERVIEW MAP                         |          |                                                                                       |           |          |
| DECEMBER 2025                                                                                                |          | FIGURE 19.1                                                                           |           | 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.

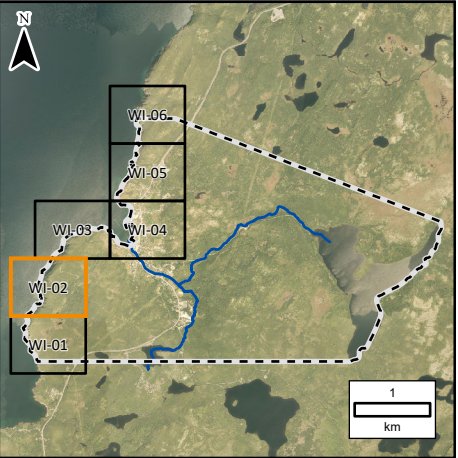


All units are metric and in metres unless otherwise specified.  
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 1. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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| 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 - WI-01                                |             |        |
| DECEMBER 2025                                                                                                | FIGURE 19.2 | 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

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20 0 20 40 60 80 100  
Metres  
SCALE: 1:3,000 METRIC 11"x17"

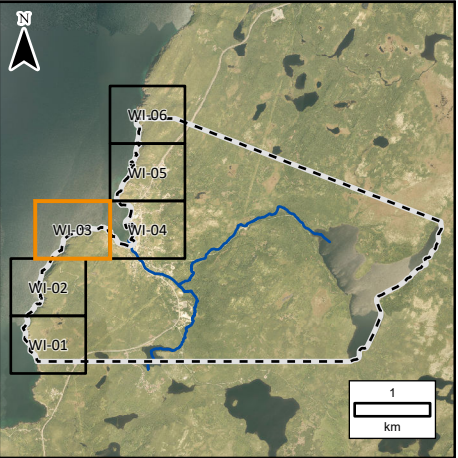
All units are metric and in metres unless otherwise specified.  
Horizontal Projection: North American Datum 1983 CSRS (NAD83), Modified Transverse Mercator Projection (MTM) Zone 1. Elevations are in metres above sea level (MSL), Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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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 - WI-02                                |             |        |
| DECEMBER 2025                                                                                                | FIGURE 19.2 | REV: 0 |

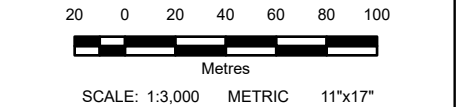




**LEGEND:**

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

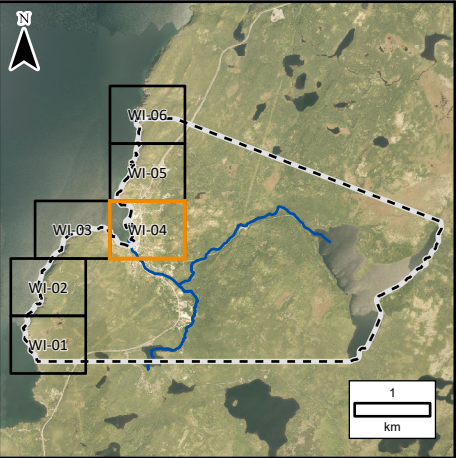
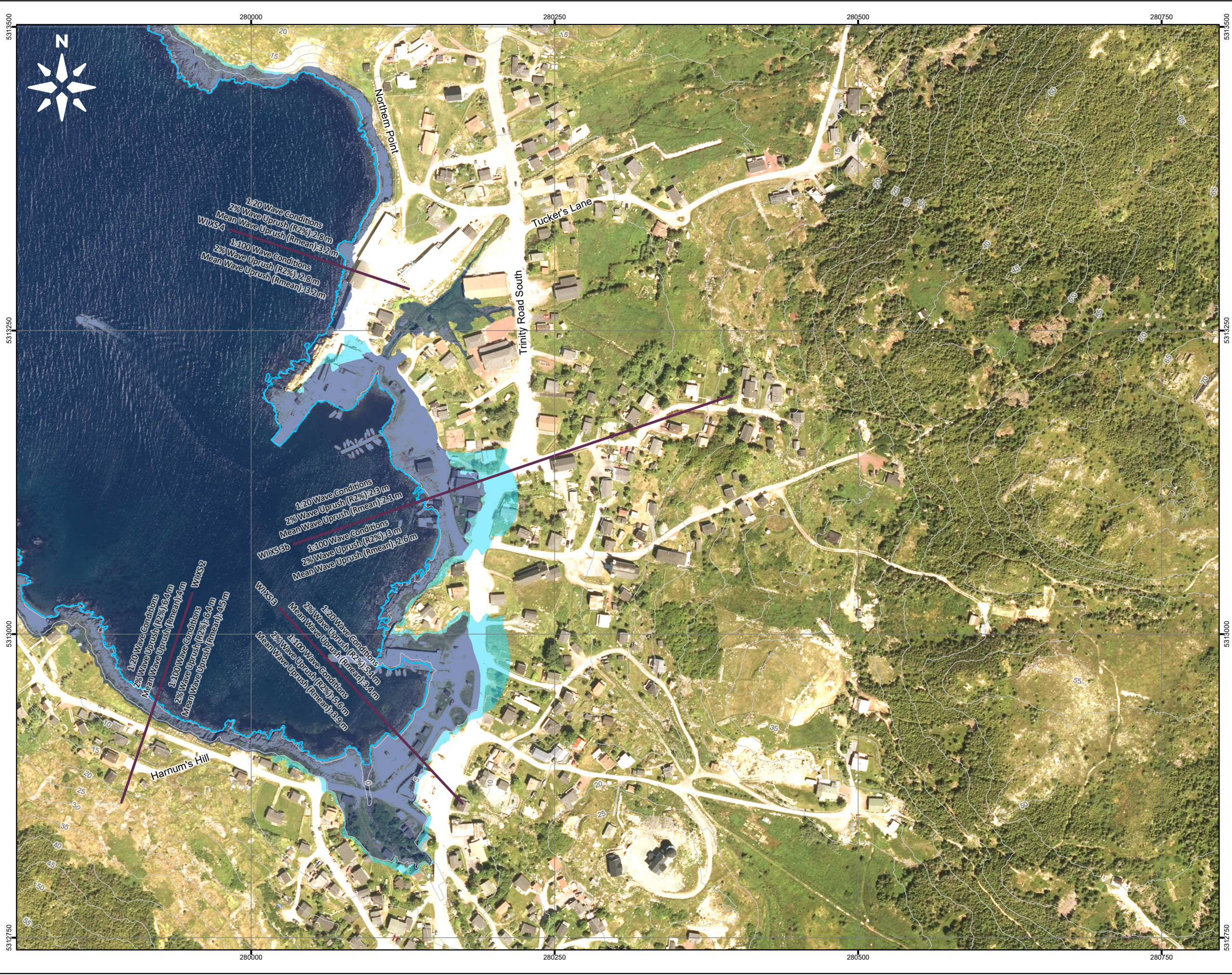
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| CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR |     |          |                                                                                       |           |          |
| CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD) WAVE RUN UP - WI-03                                |     |          |                                                                                       |           |          |
| DECEMBER 2025                                                                                                |     |          | FIGURE 19.2                                                                           | REV:      | 0        |





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

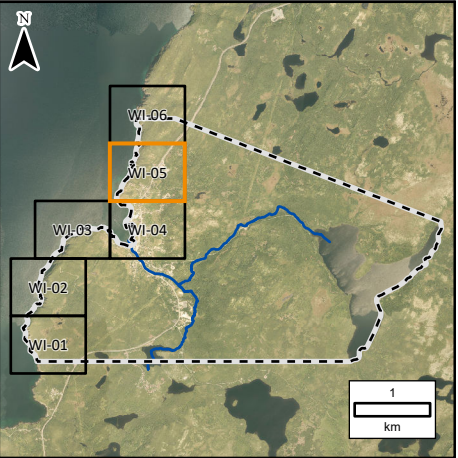
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20 0 20 40 60 80 100  
Metres  
SCALE: 1:3,000 METRIC 11"x17"

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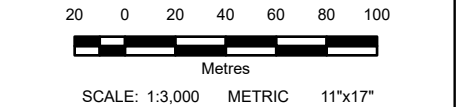
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| CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR |          |                                                                                       |           |          |
| CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD)                                                    |          |                                                                                       |           |          |
| WAVE RUN UP - WI-04                                                                                          |          |                                                                                       |           |          |
| DECEMBER 2025                                                                                                |          | FIGURE 19.2                                                                           |           | 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

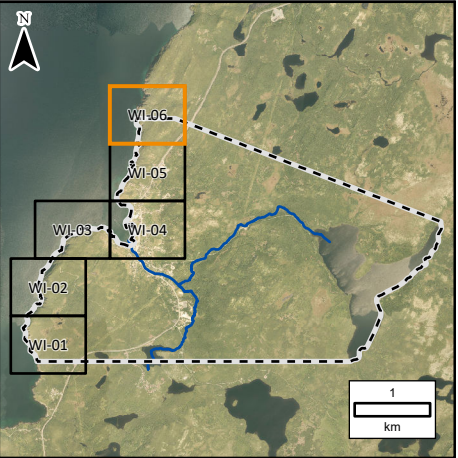
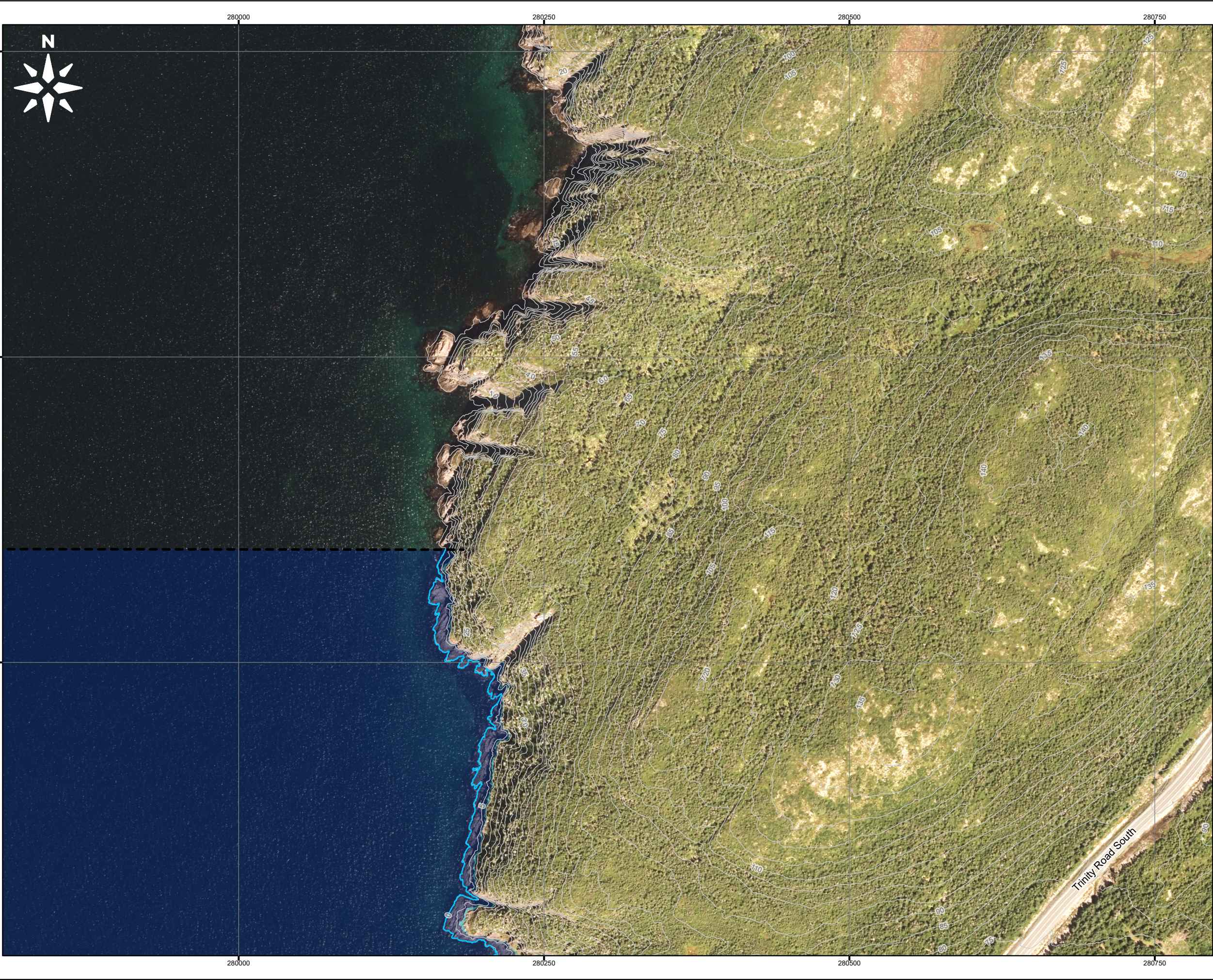
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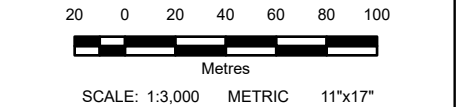
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| CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR |     |                                                                                       |                          |           |          |
| CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD) WAVE RUN UP - WI-05                                |     |                                                                                       |                          |           |          |
| DECEMBER 2025                                                                                                |     | FIGURE 19.2                                                                           |                          | REV:      | 0        |





- LEGEND:**
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  - 1:100 Year Wave Run Up
  - Coastline
  - 5m LiDAR Contour
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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 - WI-06                                |          |                                                                                       |           |          |  |  |  |
| DECEMBER 2025                                                                                                |          | FIGURE 19.2                                                                           | REV:      | 0        |  |  |  |