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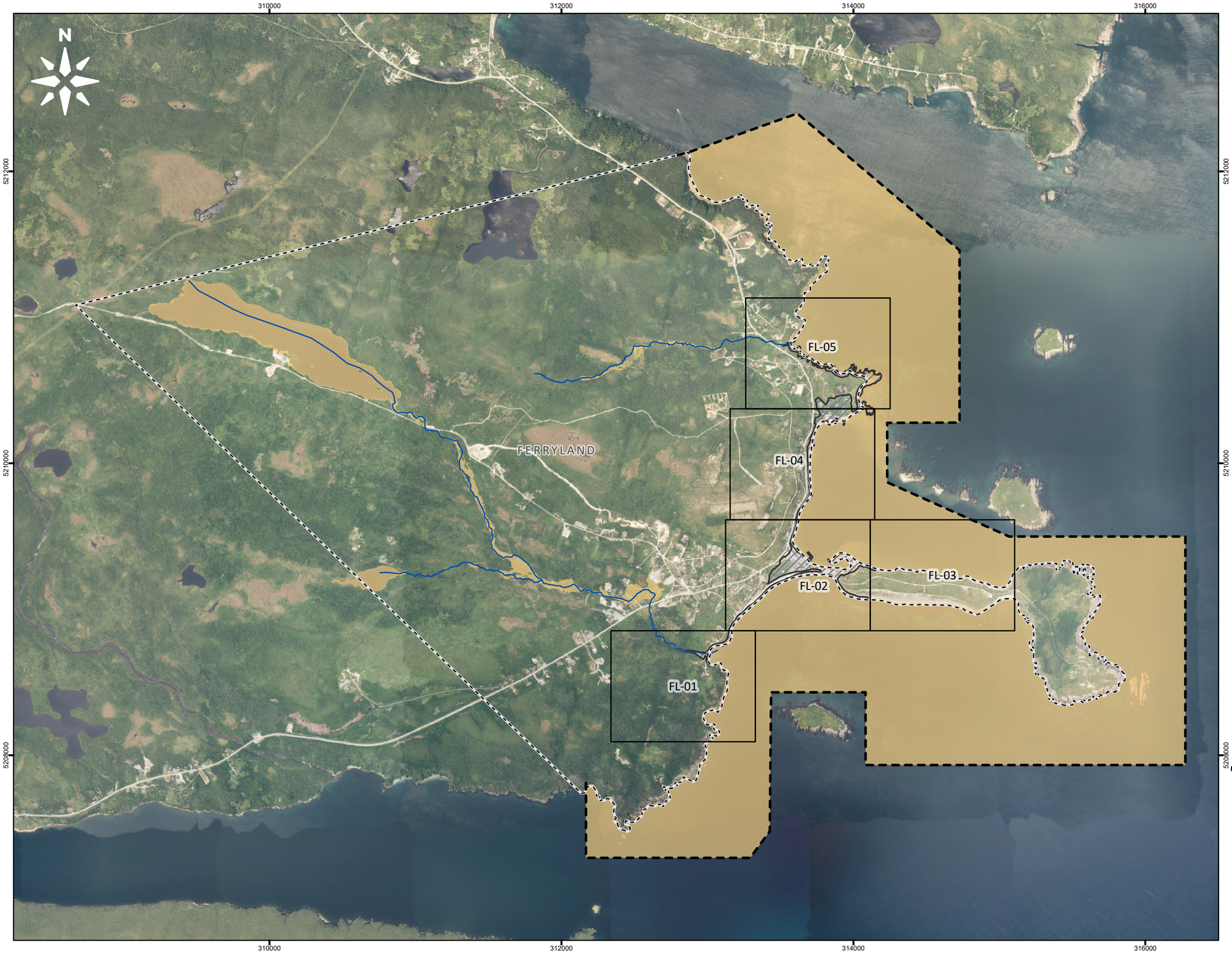

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Map Extents
- Municipal_Boundary
- 1:20 Year Historical Flood Zone
- 1:20 Year Flood Zone

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

250 0 250 500 750 1,000
Metres

SCALE: 1:25,000 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

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - OVERVIEW MAP

DECEMBER 2025 | FIGURE 1.1 | REV: 0

FileName: \\wpg-file\p-data\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Historic Flood Mapping Comparisons\Ferryland Historic Inundation Mapping\Ferryland Historic Inundation Mapping.aprx
22-3217-002-Fig1.1 11"x17" PLOT SCALE 1:1

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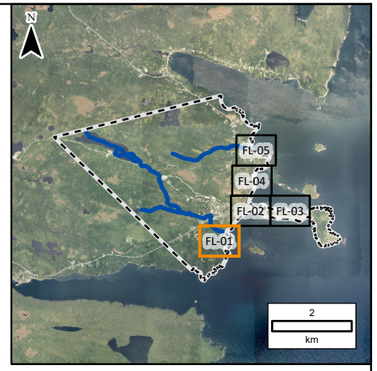
22-3217-002-Fig1.2 11"x17" PLOT SCALE 1:1



LEGEND:

- 2D Annotation
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

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)

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

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - FL-01

DECEMBER 2025 | FIGURE 1.2 | REV: 0

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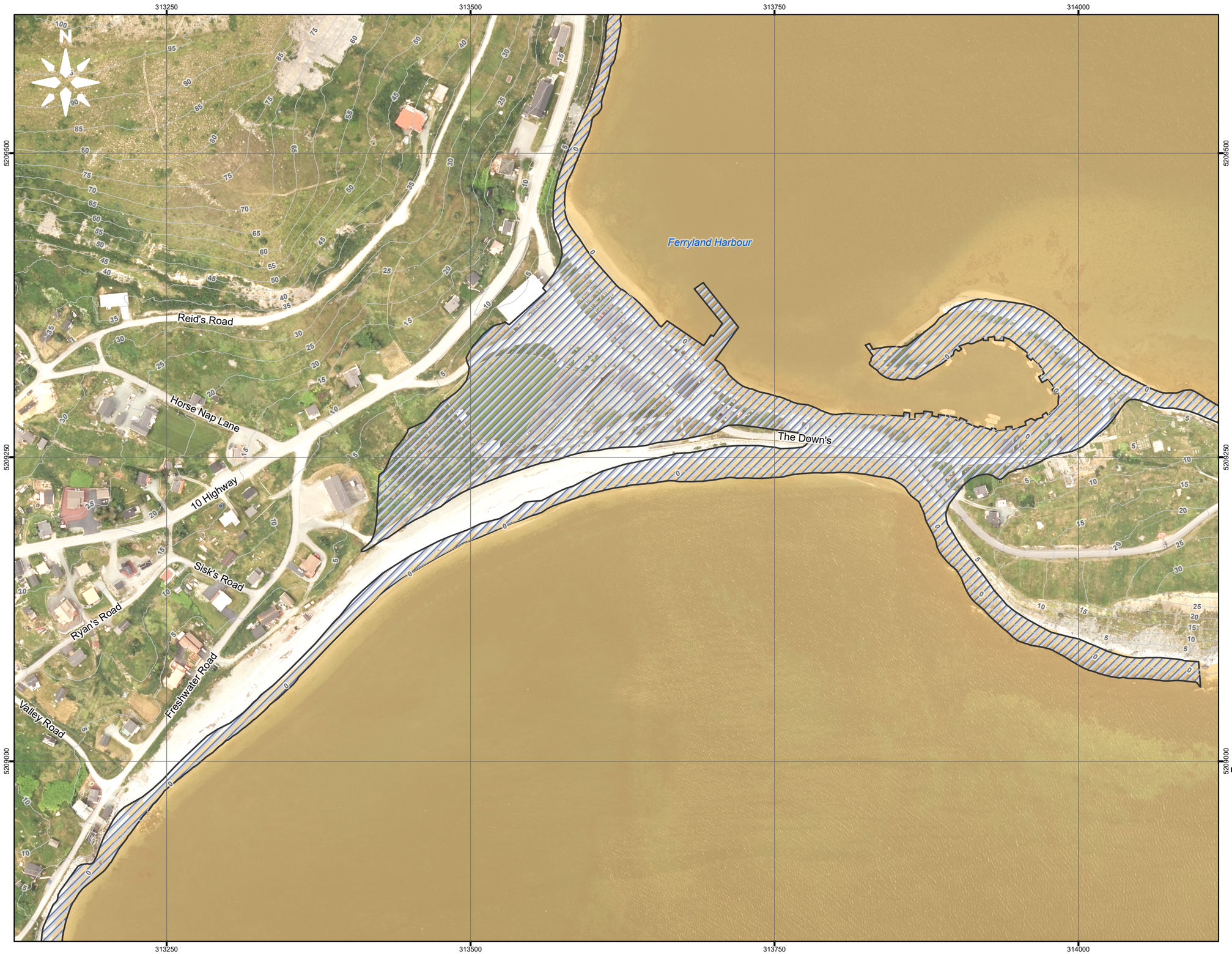

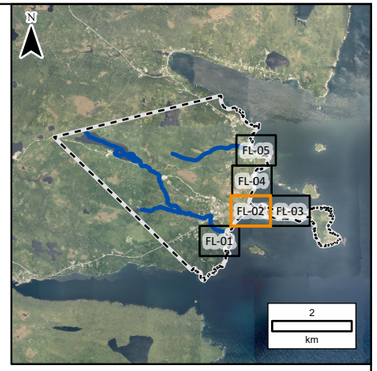

LEGEND:

- 2D Annotation
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

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)

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

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - FL-02

DECEMBER 2025 | FIGURE 1.2 | REV: 0

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22-3217-002-Fig1.2 11"x17" PLOT SCALE 1:1

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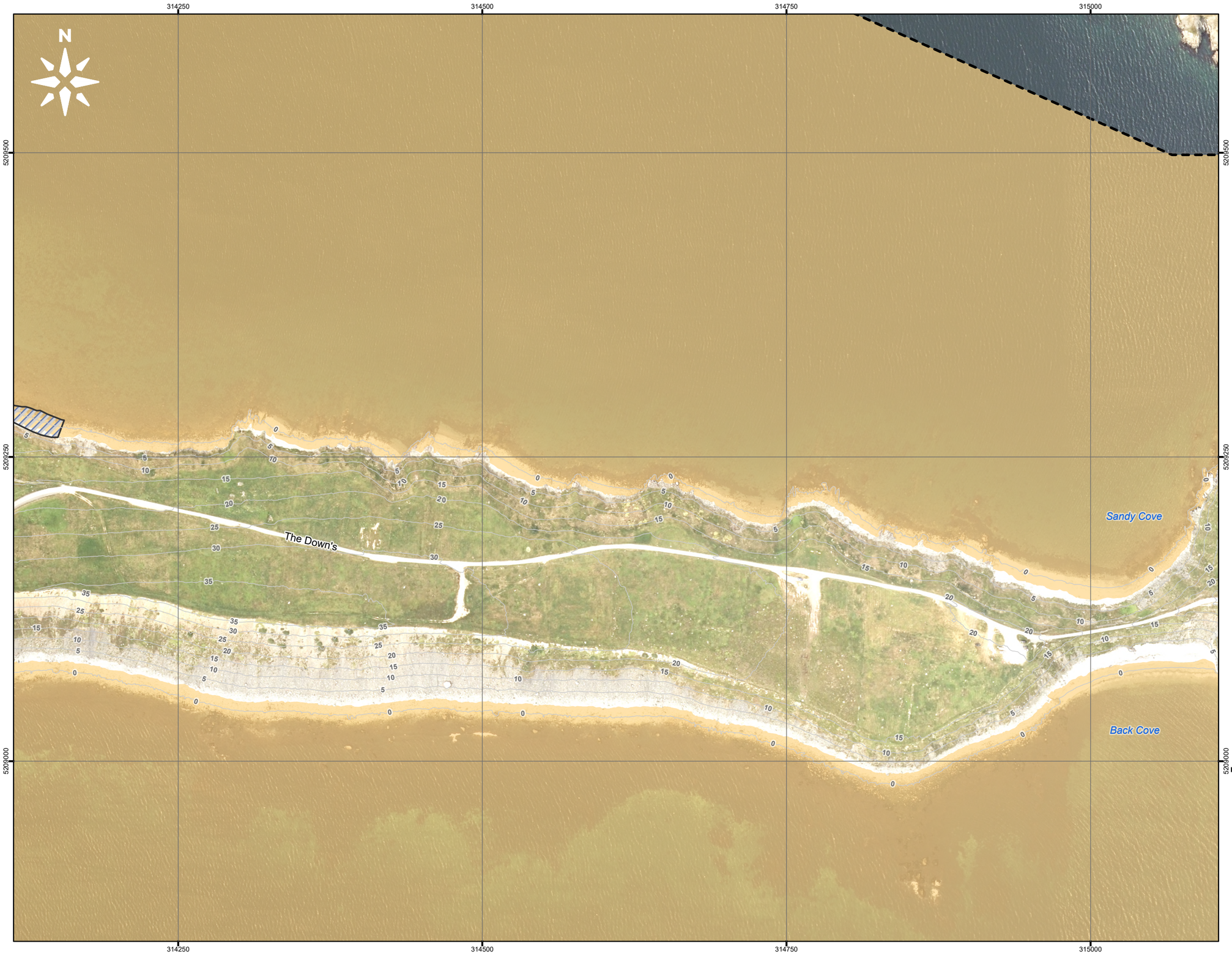

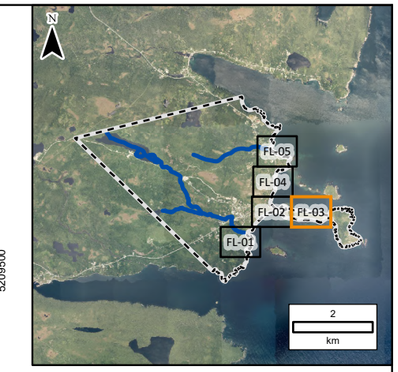

LEGEND:

- 2D Annotation
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

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)

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

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - FL-03

DECEMBER 2025 | FIGURE 1.2 | REV.: 0

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22-3217-002-Fig1.2 11"x17" PLOT SCALE 1:1

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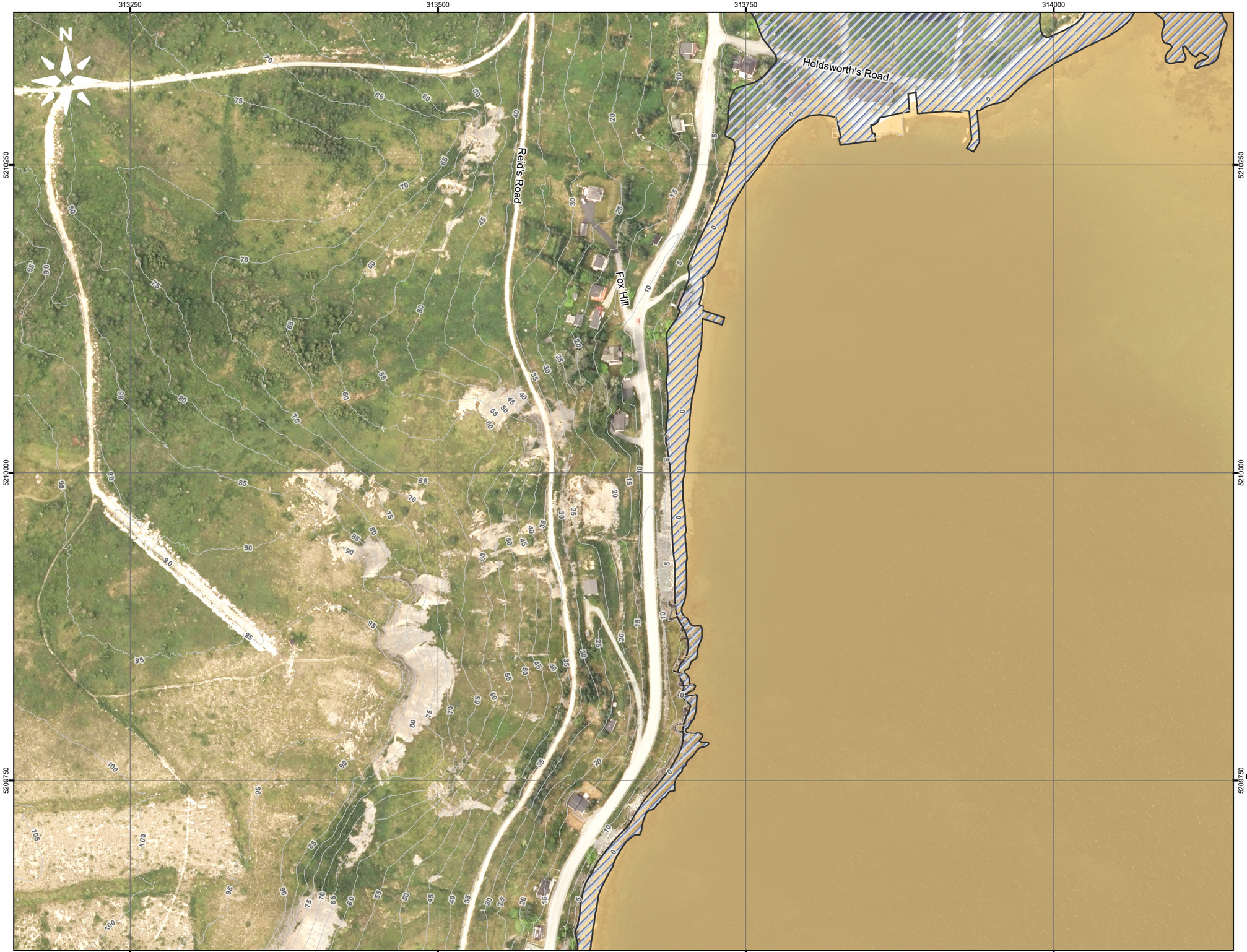

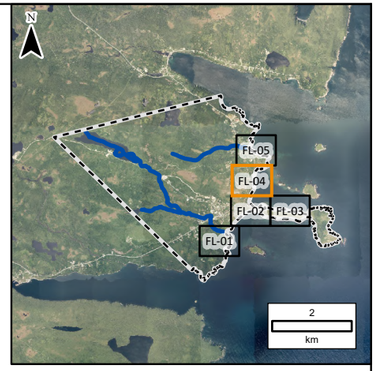

LEGEND:

- 2D Annotation
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

NOTES:
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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

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - FL-04

DECEMBER 2025 | FIGURE 1.2 | REV: 0

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22-3217-002-Fig1.2 11"x17" PLOT SCALE 1:1

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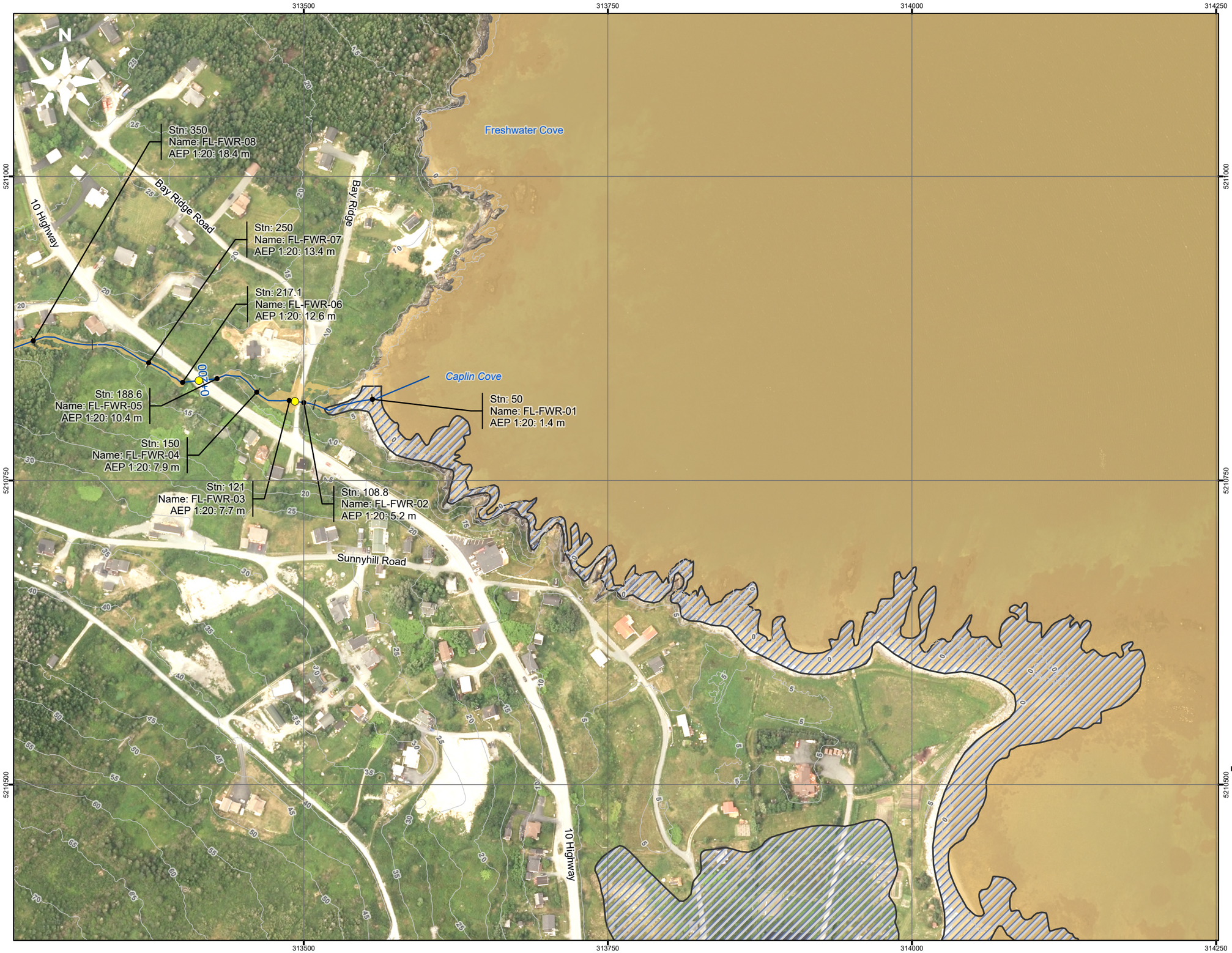

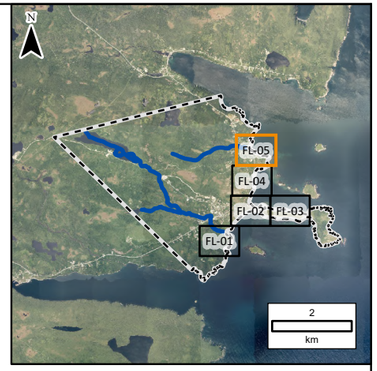

LEGEND:

- 2D Annotation
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

NOTES:
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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

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - FL-05

DECEMBER 2025 | FIGURE 1.2 | REV.: 0

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22-3217-002-Fig1.2 11"x17" PLOT SCALE 1:1

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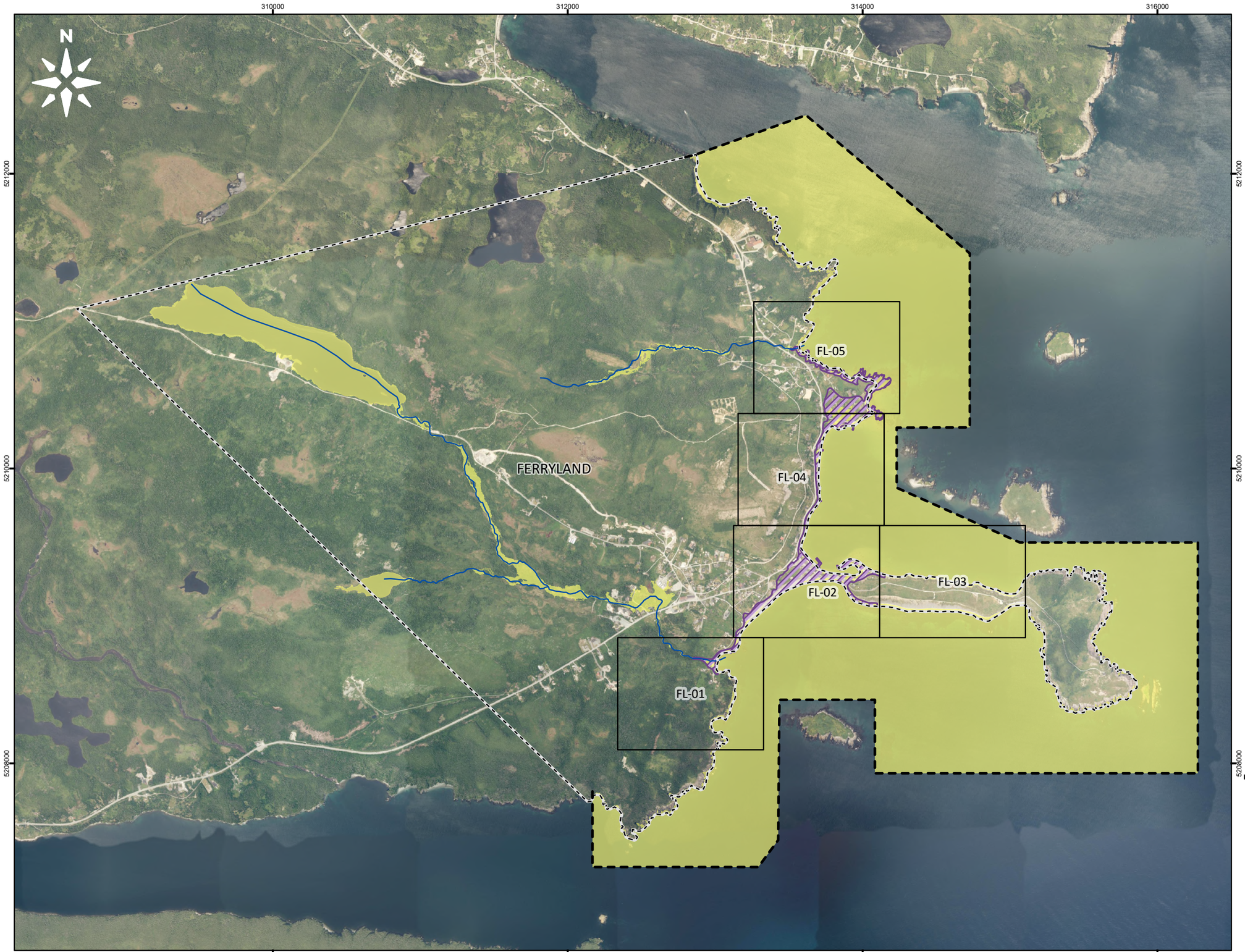

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Map Extents
- Municipal Boundary
- 1:100 Year Historical Flood Zone
- 1:100 Year Flood Zone

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

250 0 250 500 750 1,000
Metres

SCALE: 1:25,000 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

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - OVERVIEW MAP

DECEMBER 2025 | FIGURE 1.3 | REV.: 0

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11"x17" PLOT SCALE 1:1

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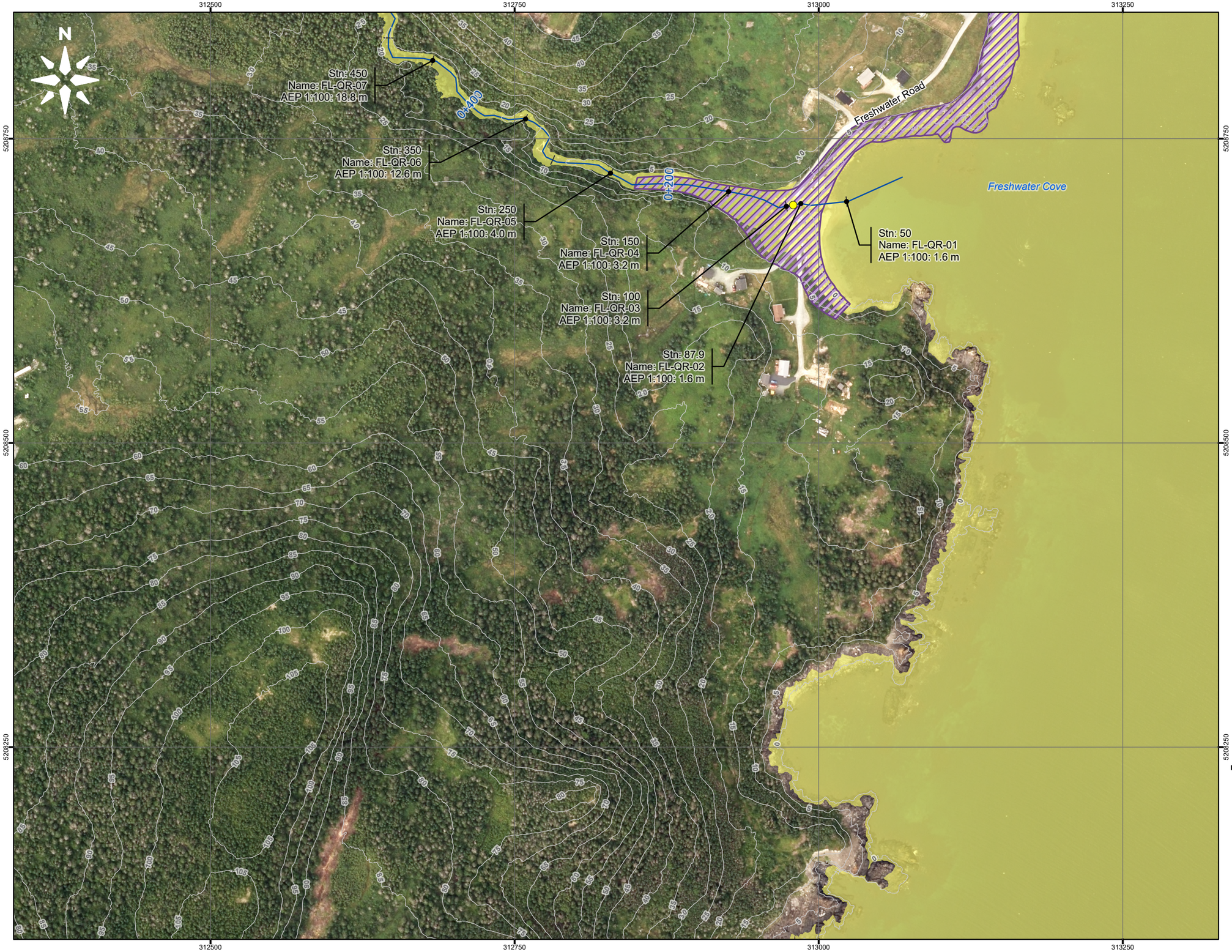

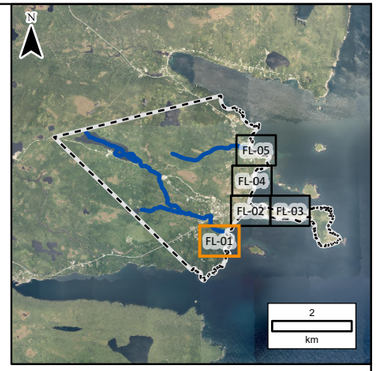

LEGEND:

- 2D Annotation
- 1:100 Year Flood Zone
- 1:100 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

NOTES:

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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

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - FL-01

DECEMBER 2025 | FIGURE 1.4 | REV: 0

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22-3217-002-Fig1.4 11"x17" PLOT SCALE 1:1

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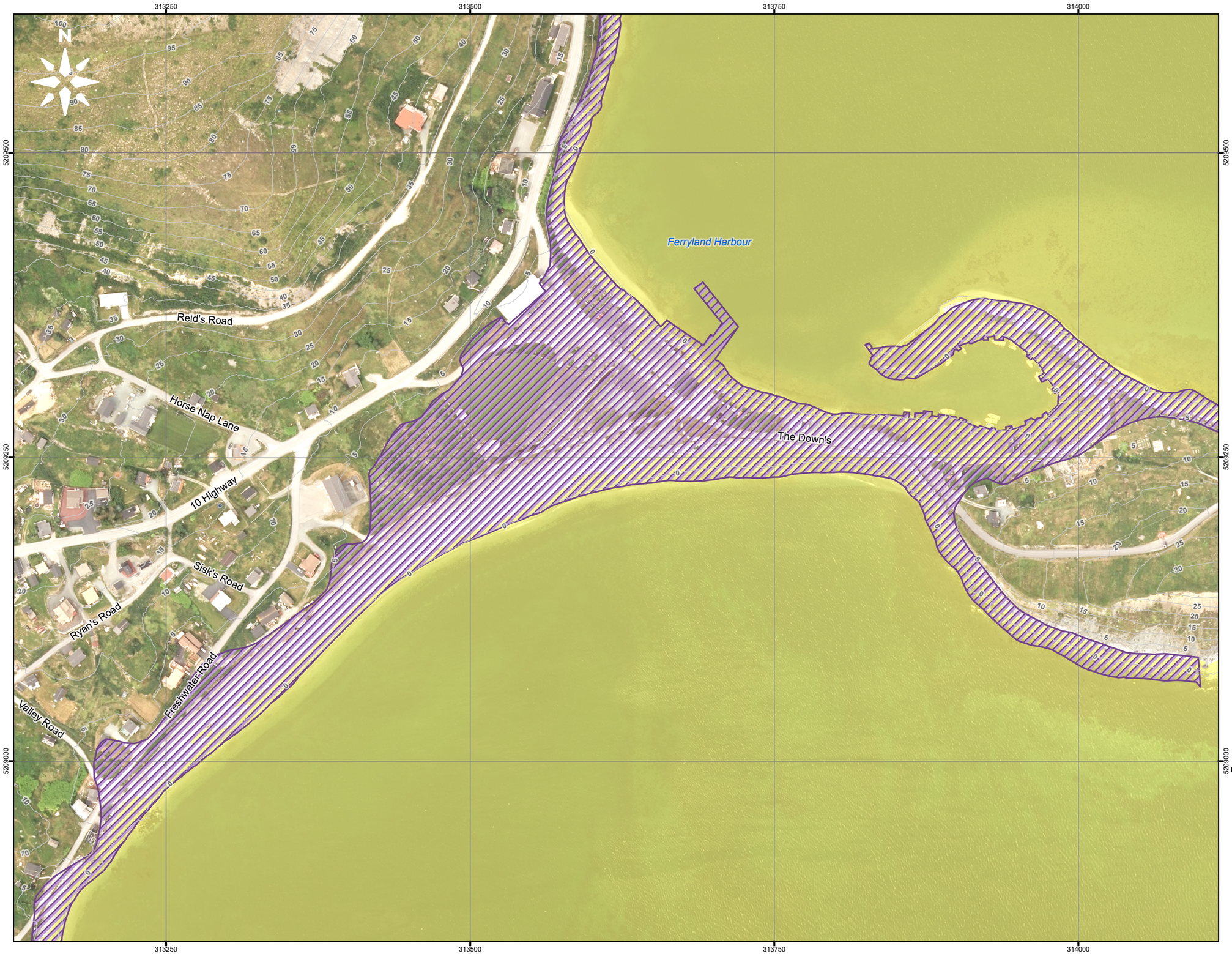

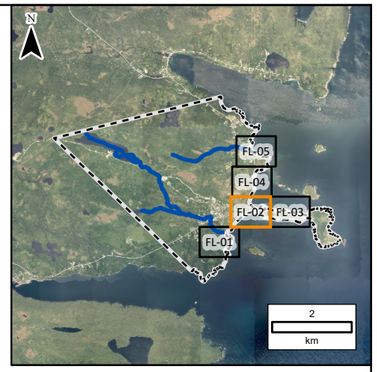

LEGEND:

- 2D Annotation
- 1:100 Year Flood Zone
- 1:100 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

NOTES:
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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

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - FL-02

DECEMBER 2025 | FIGURE 1.4 | REV.: 0

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22-3217-002-Fig1.4

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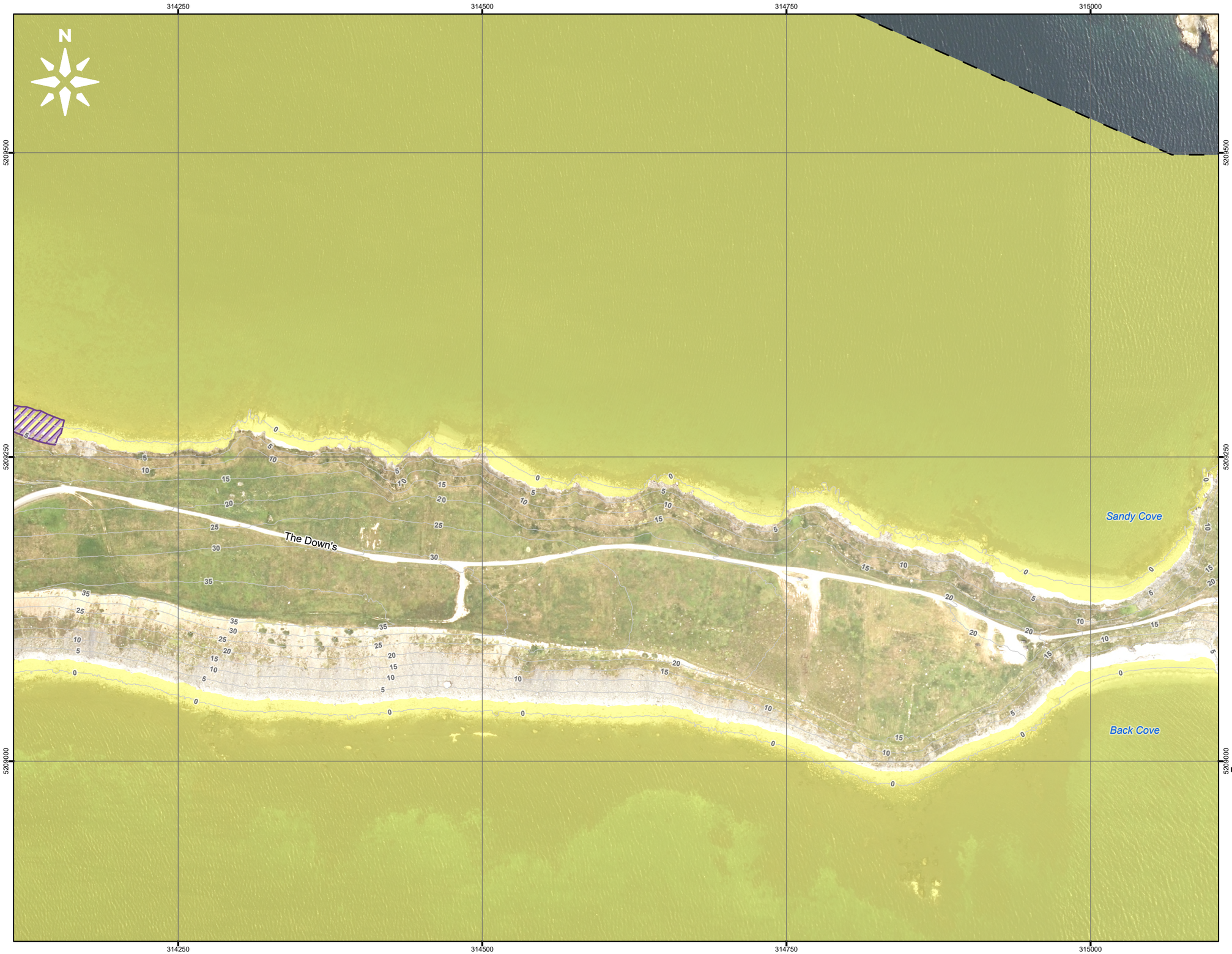

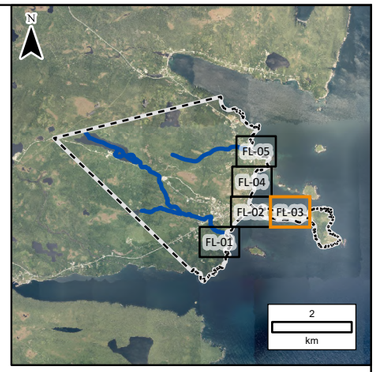

LEGEND:

- 2D Annotation
- 1:100 Year Flood Zone
- 1:100 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

NOTES:
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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

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - FL-03

DECEMBER 2025 | FIGURE 1.4 | REV.: 0

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22-3217-002-Fig1.4 11"x17" PLOT SCALE 1:1

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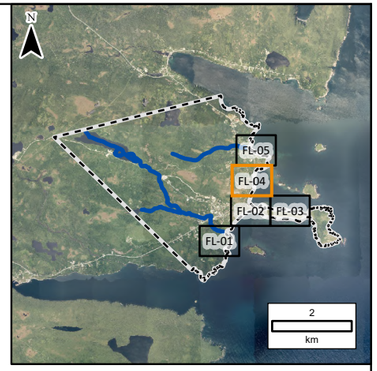

LEGEND:

- 2D Annotation
- 1:100 Year Flood Zone
- 1:100 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

NOTES:
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2. Topography shown was developed by KGS Group from the HRDEM from Natural Resources Canada (NRCAN). (Capture date: June and July, 2020)

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

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - FL-04

DECEMBER 2025 | FIGURE 1.4 | REV: 0

FileName: \\wpg-file\p-data\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Historic Flood Mapping Comparisons\Ferryland Historic Inundation Mapping\Ferryland Historic Inundation Mapping.aprx
22-3217-002-Fig1.4 11"x17" PLOT SCALE 1:1

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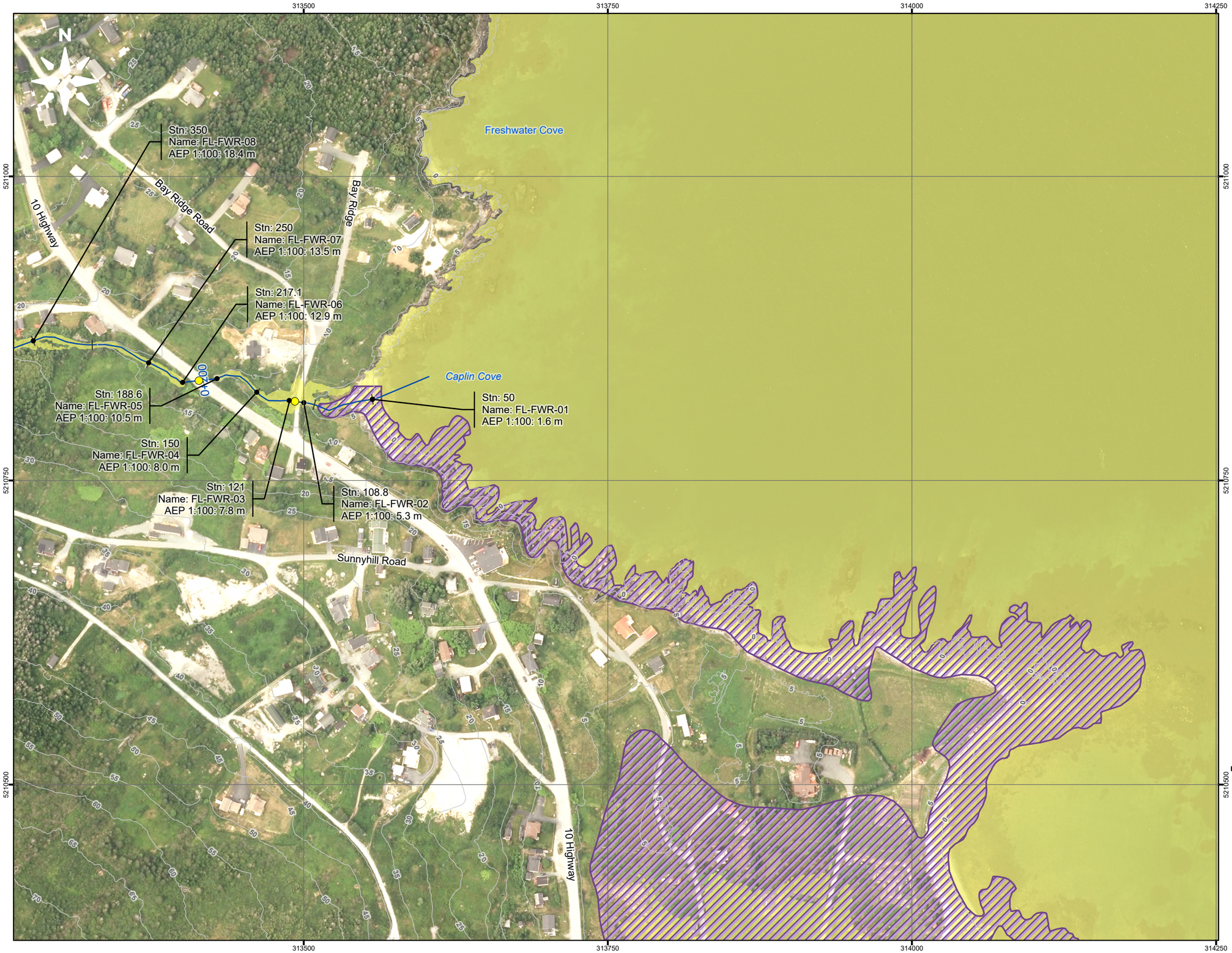

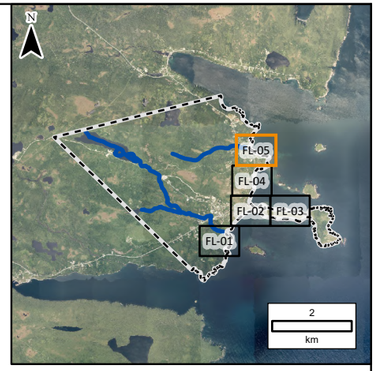

LEGEND:

- 2D Annotation
- 1:100 Year Flood Zone
- 1:100 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

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)

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

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - FL-05

DECEMBER 2025 | FIGURE 1.4 | REV.: 0

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22-3217-002-Fig1.4 11"x17" PLOT SCALE 1:1

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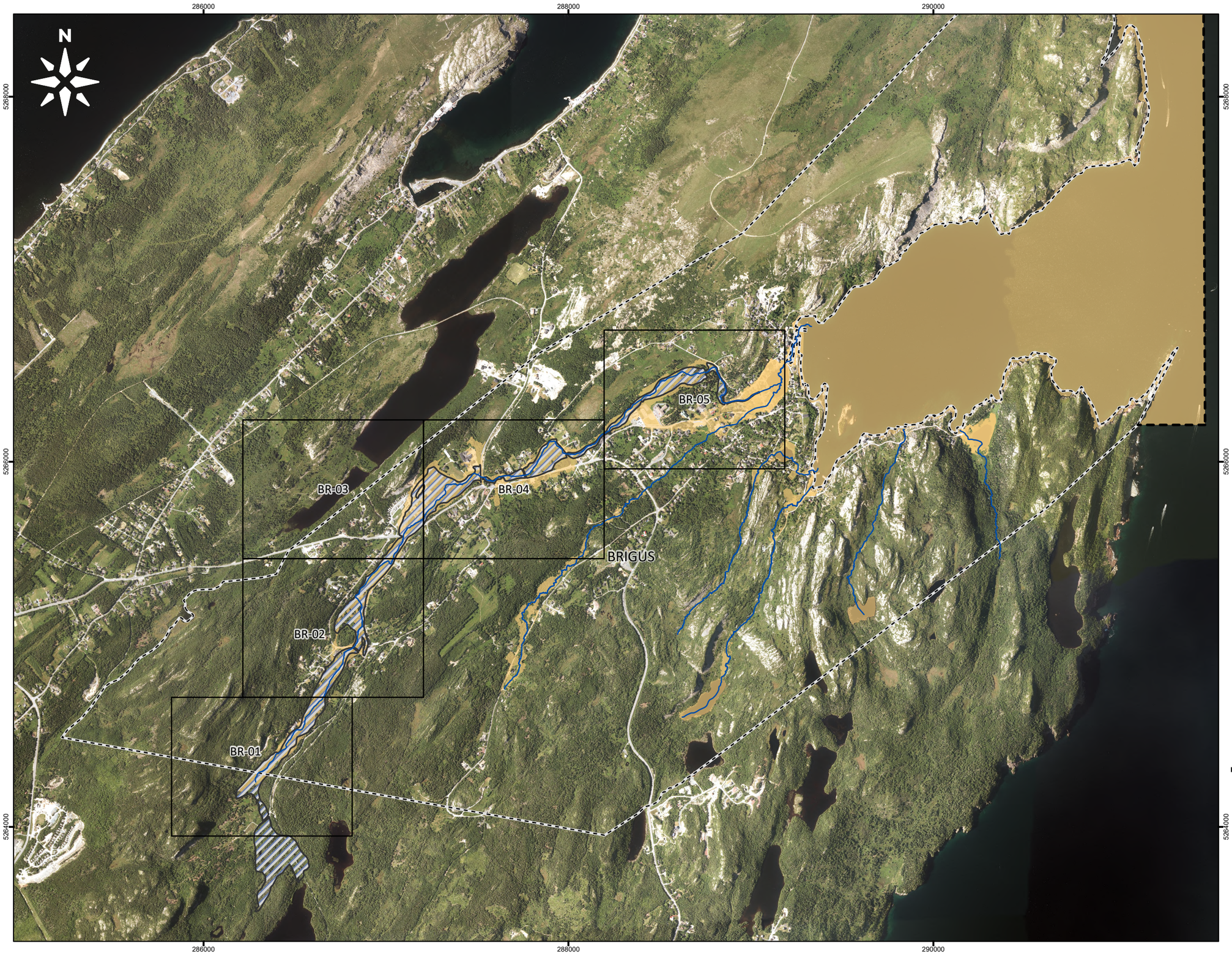

LEGEND:

- River/Creek Centreline
- Limit_of_Mapping
- Map Extents
- Municipal Boundary
- 1:20 Year Historic Flood Zone
- 1:20 Year Flood Zone

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

200 0 200 400 600 800
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

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - OVERVIEW MAP

DECEMBER 2025 | FIGURE 2.1 | REV.: 0

FileName: \\wpg-fileip-data\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Historic Flood Mapping Comparisons\Brigus Historic Inundation Mapping\Brigus Historic Inundation Mapping.aprx
22-3217-002-Fig2.1 11"x17" PLOT SCALE 1:1

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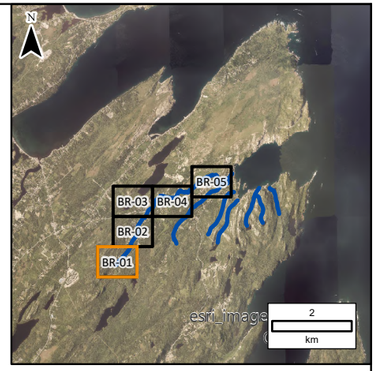

LEGEND:

- 2D Annotation
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

NOTES:
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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

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - BR-01

DECEMBER 2025 | FIGURE 2.2 | REV: 0

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22-3217-002-Fig2.2 11"x17" PLOT SCALE 1:1

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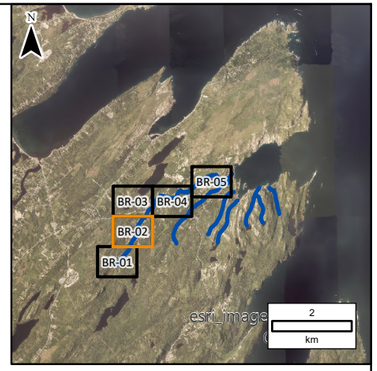

LEGEND:

- 2D Annotation
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

NOTES:
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2. Topography shown was developed by KGS Group from the HRDEM from Natural Resources Canada (NRCAN). (Capture date: June and July, 2020)

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

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - BR-02

DECEMBER 2025 | FIGURE 2.2 | REV: 0

FileName: \\wpg-file\p-data\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Historic Flood Mapping Comparisons\Brigus Historic Inundation Mapping\Brigus Historic Inundation Mapping.aprx
22-3217-002-Fig2.2 11"x17" PLOT SCALE 1:1

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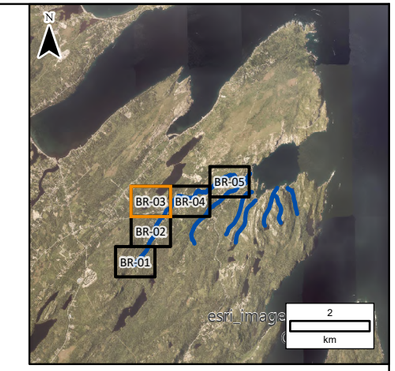

LEGEND:

- 2D Annotation (Stn: 50, Name: FL-FWR-01, AEP 1:20: 1.2 m)
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

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

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - BR-03

DECEMBER 2025 | FIGURE 2.2 | REV.: 0

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22-3217-002-Fig2.2 11"x17" PLOT SCALE 1:1

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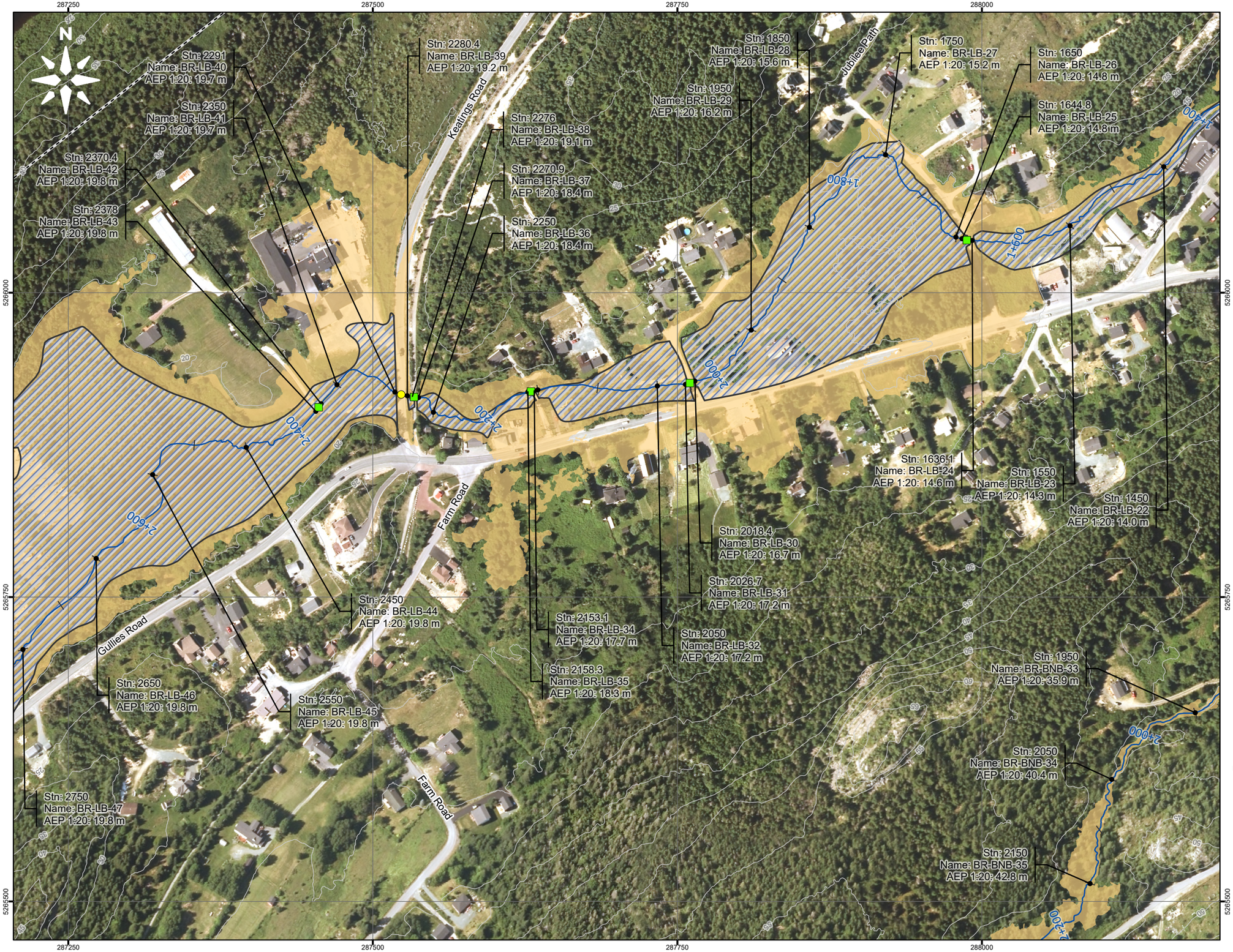

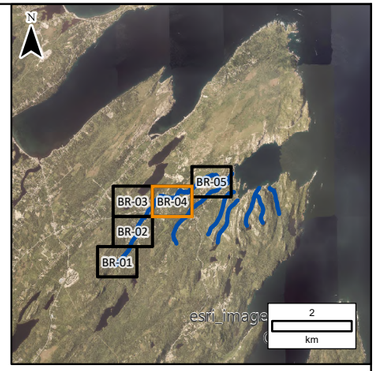

LEGEND:

- 2D Annotation
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

NOTES:
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2. Topography shown was developed by KGS Group from the HRDEM from Natural Resources Canada (NRCAN). (Capture date: June and July, 2020)

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

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - BR-04

DECEMBER 2025 | FIGURE 2.2 | REV: 0

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22-3217-002-Fig2.2 11"x17" PLOT SCALE 1:1

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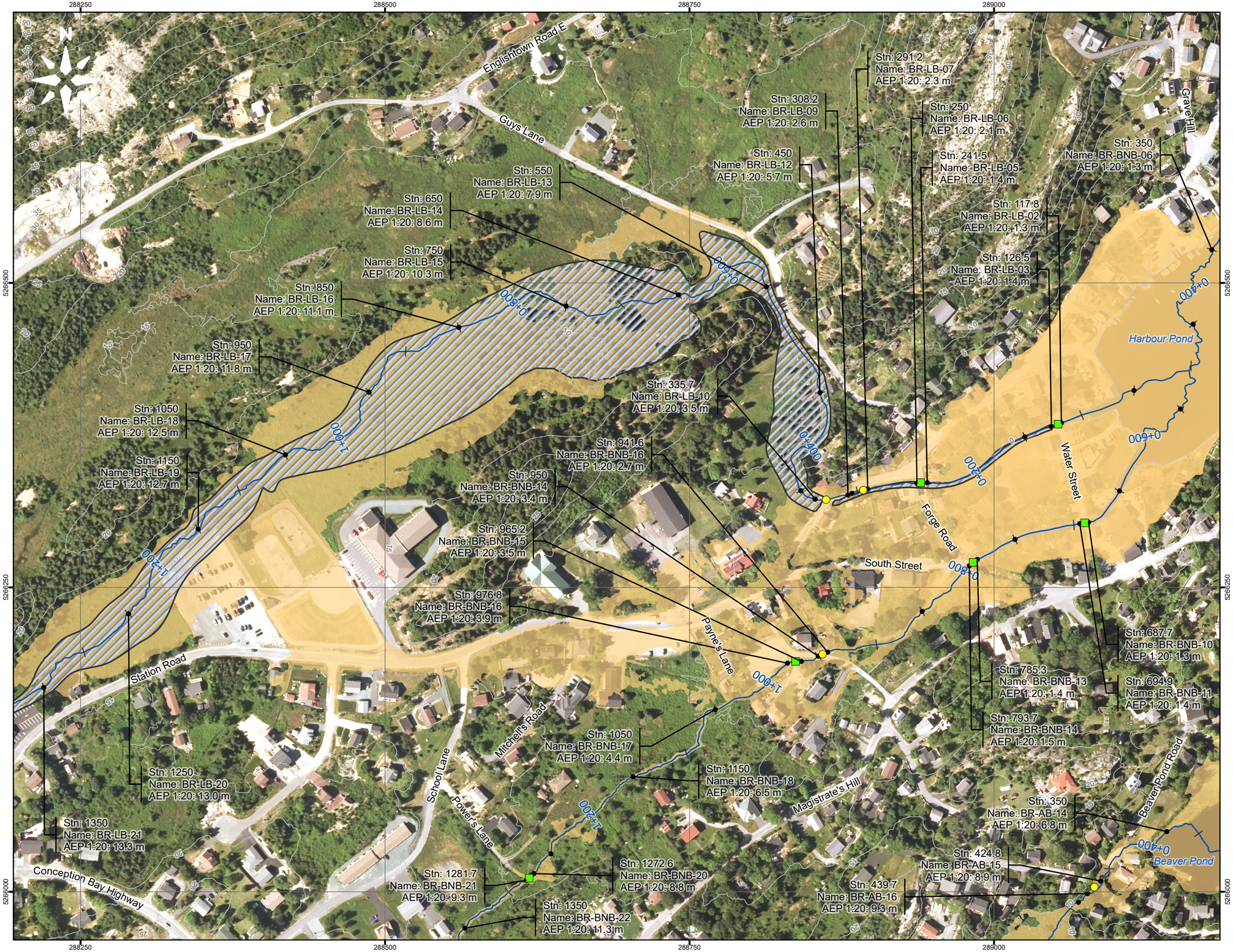

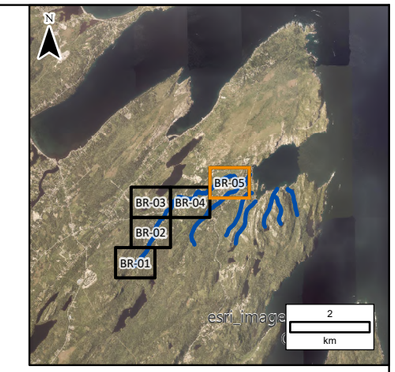

LEGEND:

- 2D Annotation
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

NOTES:

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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

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - BR-05

DECEMBER 2025 | FIGURE 2.2 | REV: 0

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22-3217-002-Fig2.2 11"x17" PLOT SCALE 1:1

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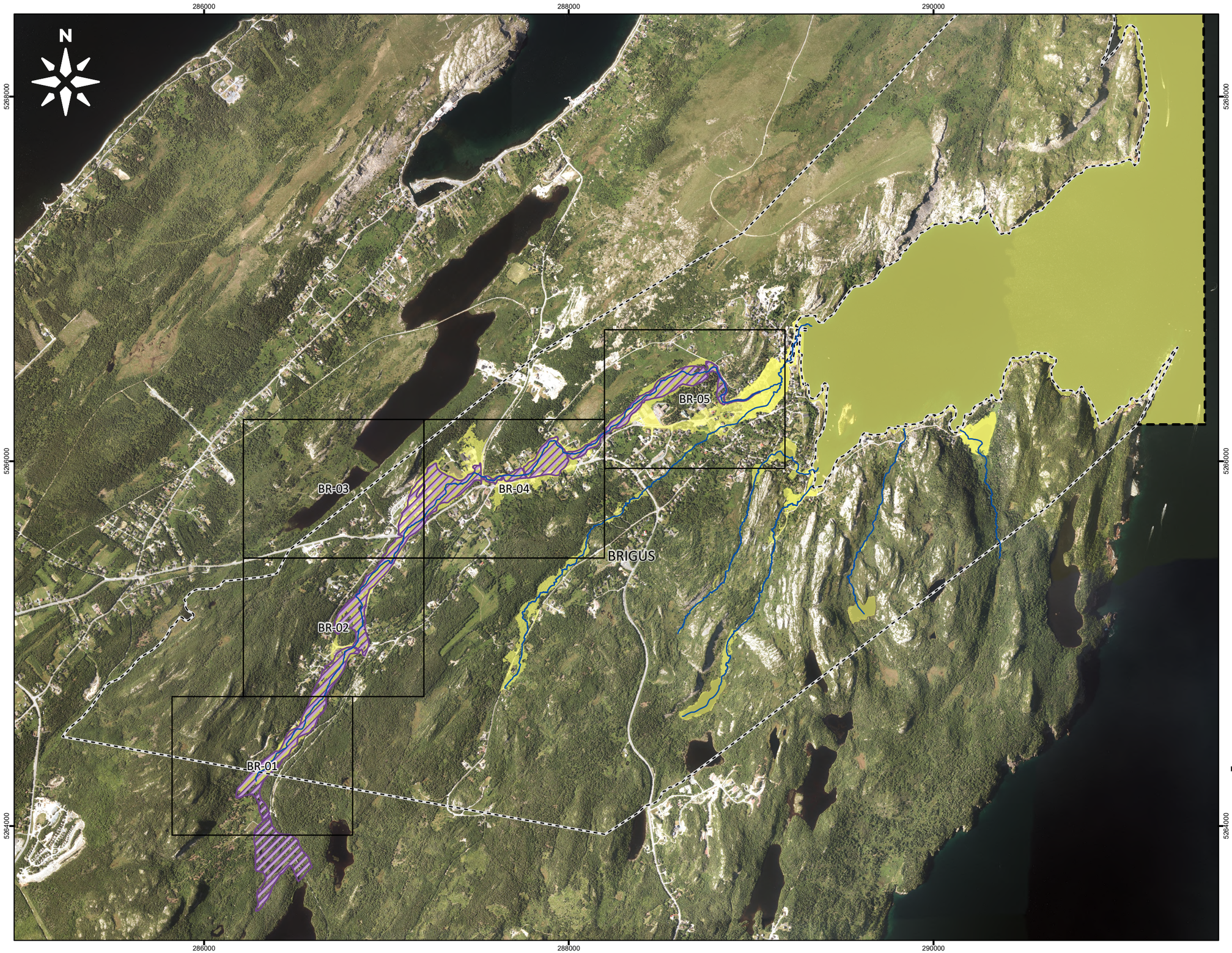

LEGEND:

- River/Creek Centreline
- Limit_of_Mapping
- Map Extents
- Municipal Boundary
- 1:100 Year Flood Zone
- 1:100 Year Historic Flood Zone

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

200 0 200 400 600 800
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

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - OVERVIEW MAP

DECEMBER 2025 | FIGURE 2.3 | REV.: 0

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22-3217-002-Fig2.3 11"x17" PLOT SCALE 1:1

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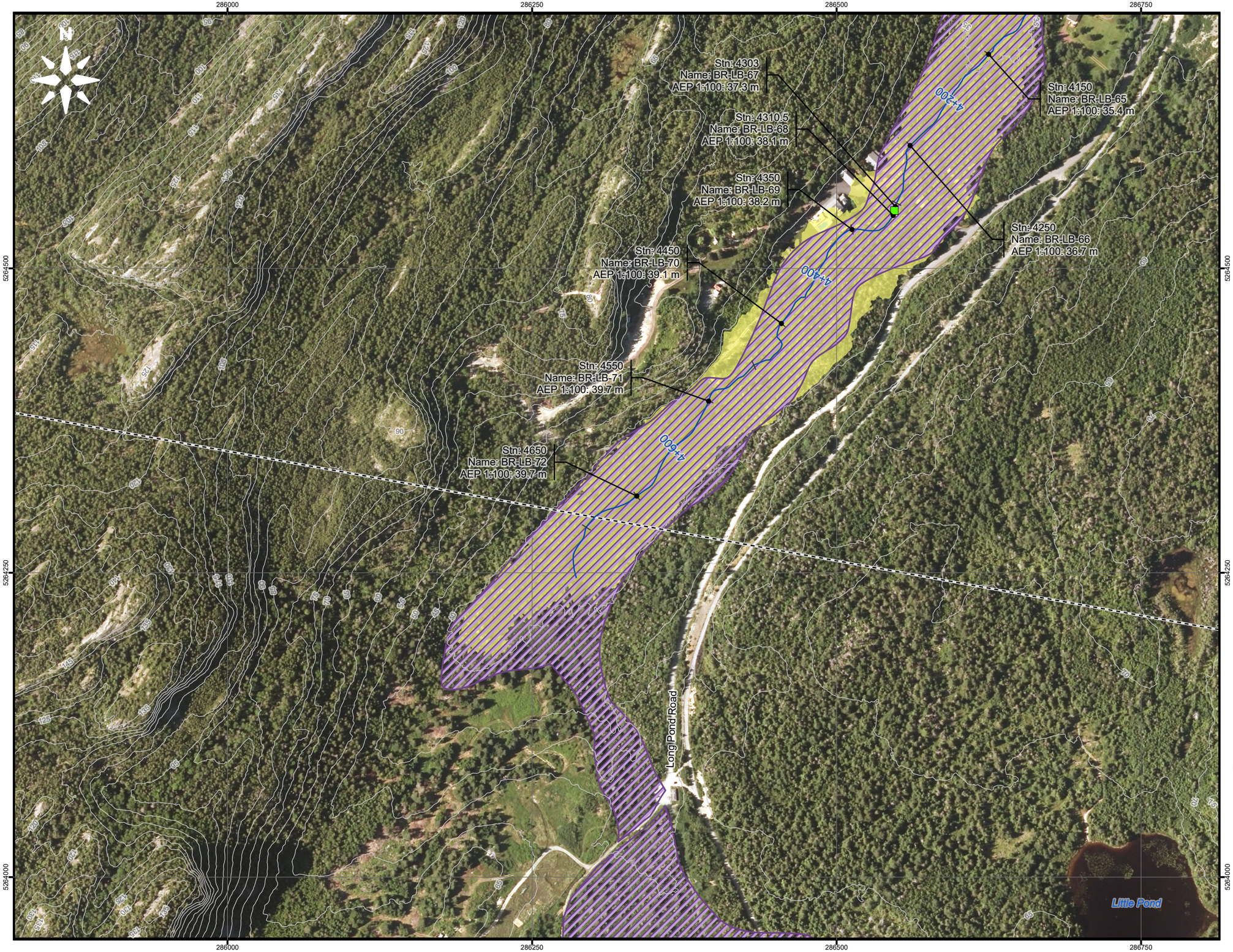

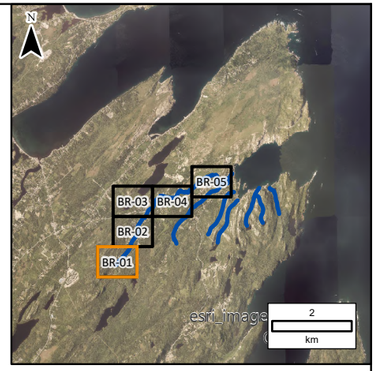

LEGEND:

- 2D Annotation
- 1:100 Year Flood Zone
- 1:100 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

NOTES:
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20 0 20 40 60 80 100
Metres

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

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CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - BR-01

DECEMBER 2025 | FIGURE 2.4 | REV: 0

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22-3217-002-Fig2.4 11"x17" PLOT SCALE 1:1

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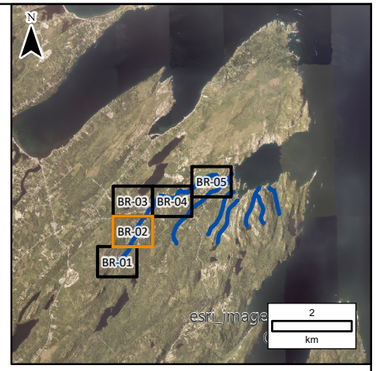

LEGEND:

- 2D Annotation (Stn: 50, Name: FL-FWR-01, AEP 1:20: 1.2 m)
- 1:100 Year Flood Zone
- 1:100 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

NOTES:
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20 0 20 40 60 80 100
Metres

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

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CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - BR-02

DECEMBER 2025 | FIGURE 2.4 | REV: 0

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22-3217-002-Fig2.4 11"x17" PLOT SCALE 1:1

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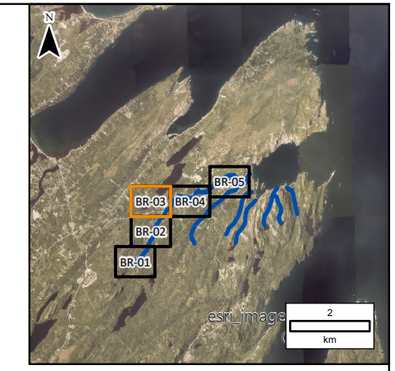

LEGEND:

- 2D Annotation (Stn: 50, Name: FL-FWR-01, AEP 1:20: 1.2 m)
- 1:100 Year Flood Zone
- 1:100 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

NOTES:
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20 0 20 40 60 80 100
Metres

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

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CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - BR-03

DECEMBER 2025 | FIGURE 2.4 | REV.: 0

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22-3217-002-Fig2.4 11"x17" PLOT SCALE 1:1

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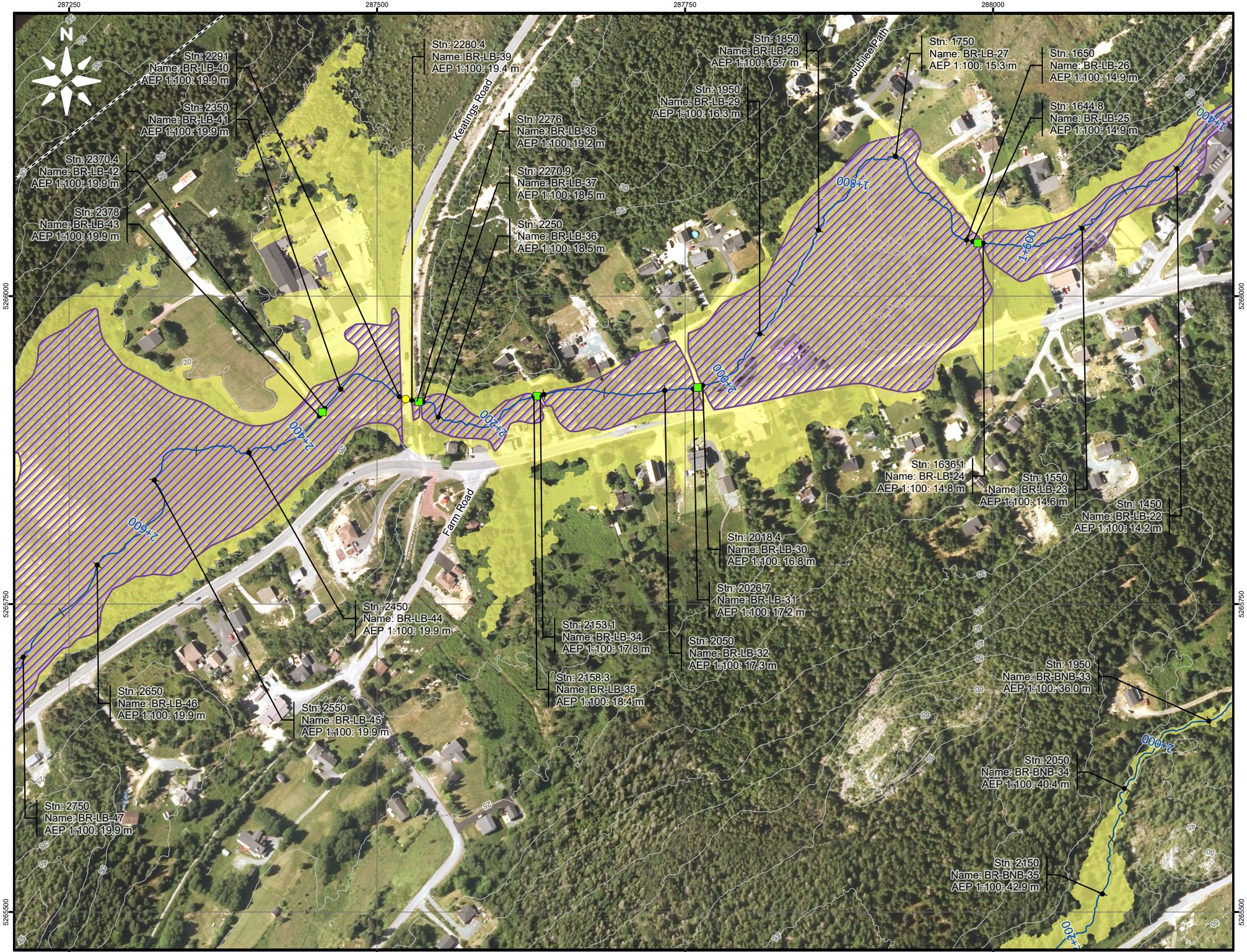

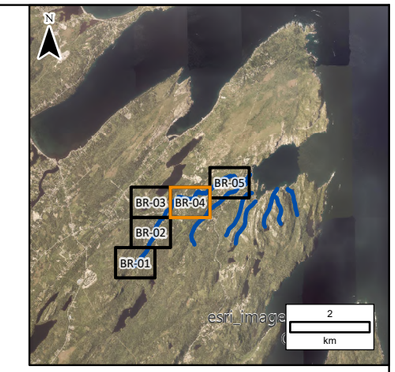

LEGEND:

- 2D Annotation (Stn: 50 Name: FL-FWR-01 AEP 1:20: 1.2 m)
- 1:100 Year Flood Zone
- 1:100 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

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)

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

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - BR-04

DECEMBER 2025 | FIGURE 2.4 | REV.: 0

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22-3217-002-Fig2.4 11"x17" PLOT SCALE 1:1

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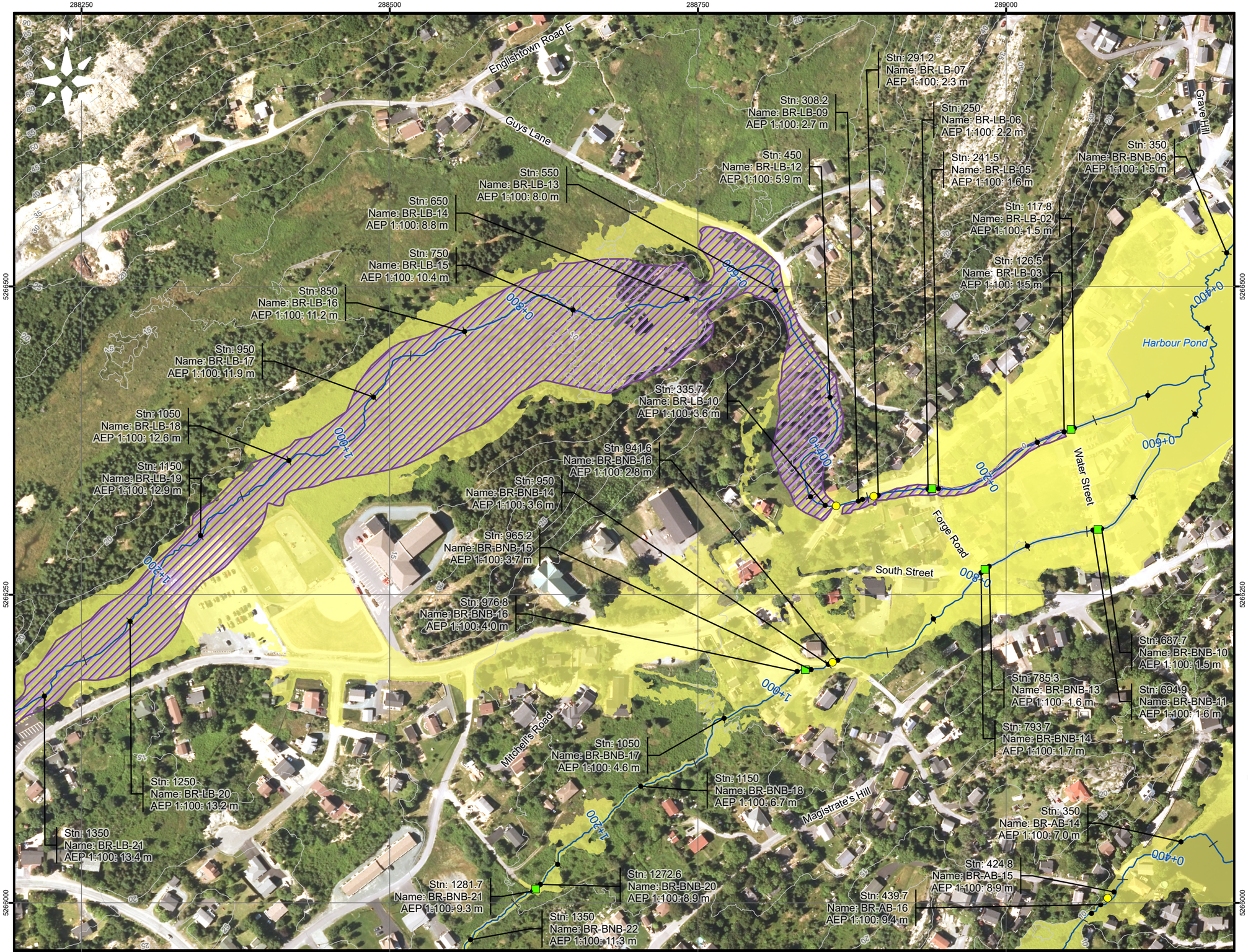

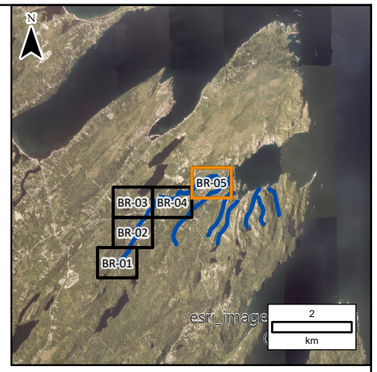

LEGEND:

- 2D Annotation
- 1:100 Year Flood Zone
- 1:100 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

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)

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

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - BR-05

DECEMBER 2025 | FIGURE 2.4 | REV: 0

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22-3217-002-Fig2.4 11"x17" PLOT SCALE 1:1

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LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Map Extents
- Municipal Boundary
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone

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

200 0 200 400 600 800 1,000
Metres

SCALE: 1:30,000 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

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - OVERVIEW MAP

DECEMBER 2025 | FIGURE 3.1 | REV: 0

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22-3217-002-Fig3.1 11"x17" PLOT SCALE 1:1

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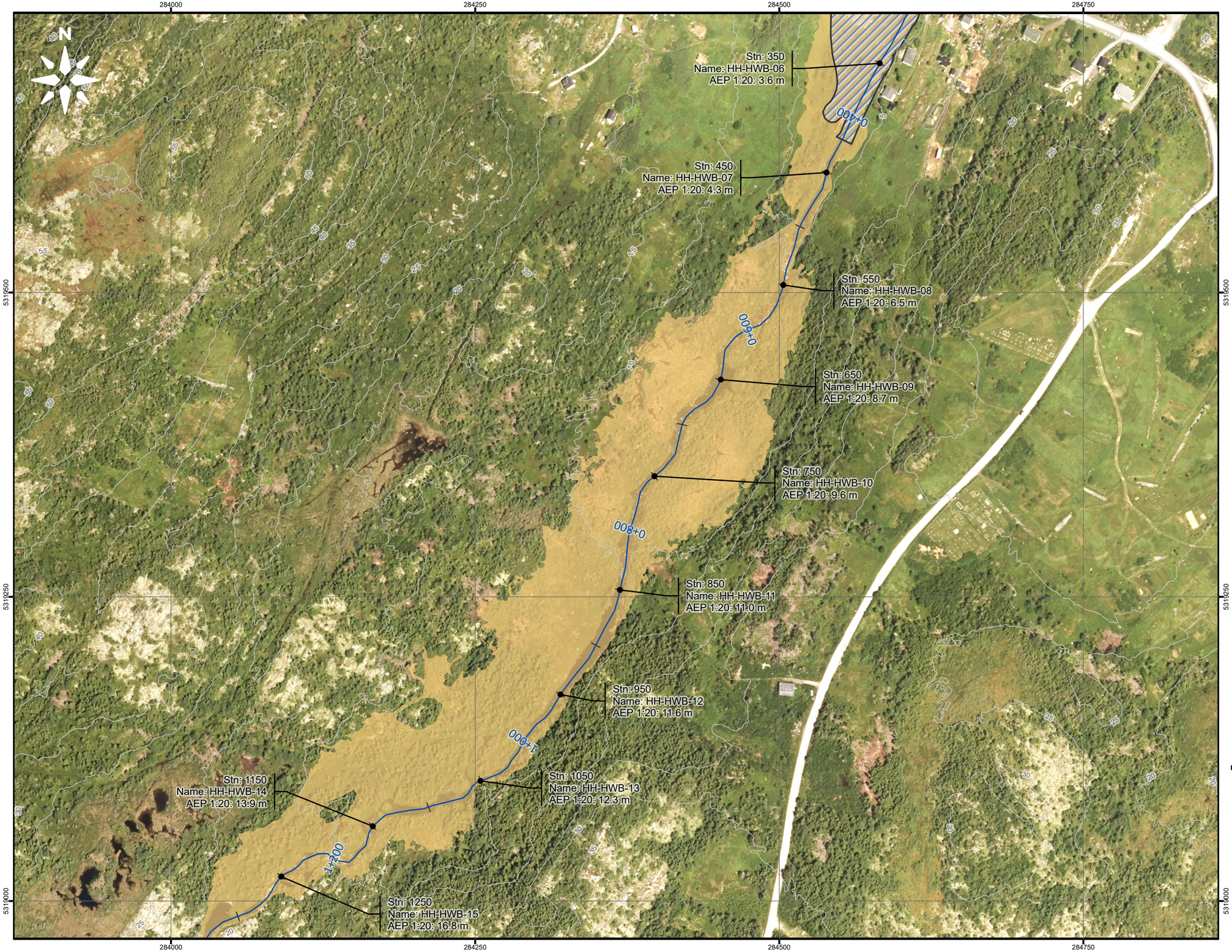

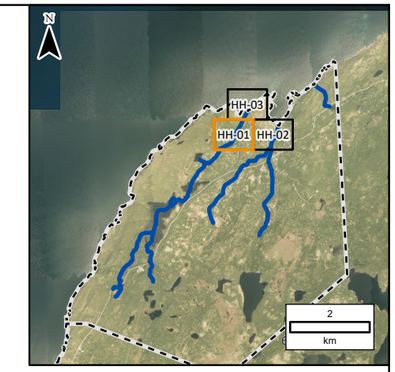

LEGEND:

- 2D Annotation (Stn: 50, Name: FL-FWR-01, AEP 1:20: 1.2 m)
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

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)

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

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - HH-01

DECEMBER 2025 | FIGURE 3.2 | REV: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Historic Flood Mapping Comparisons\Hant's Harbour Historic Inundation Mapping\Hant's Harbour Historic Inundation Mapping.aprx
22-3217-002-Fig3.2 11"x17" PLOT SCALE 1:1

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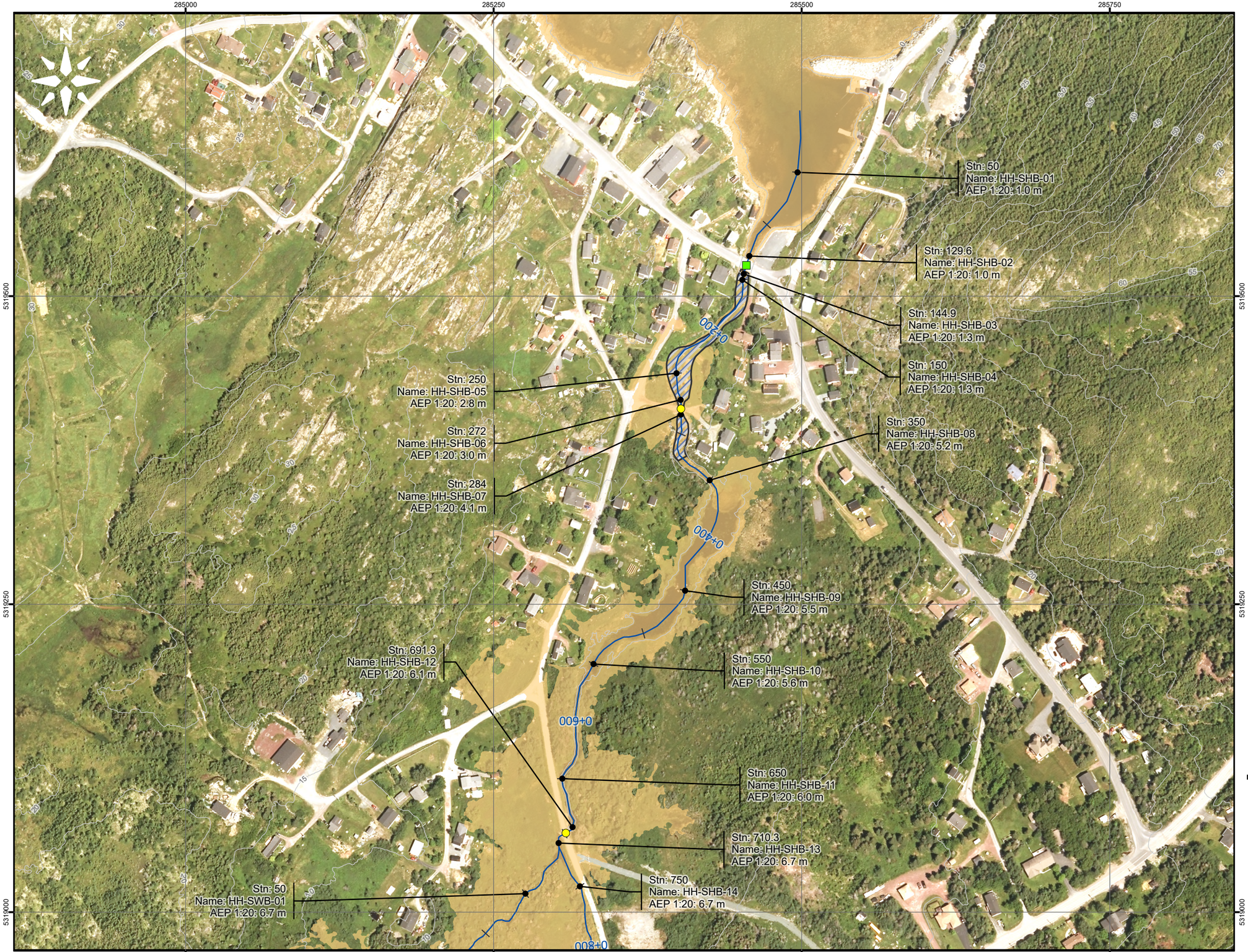

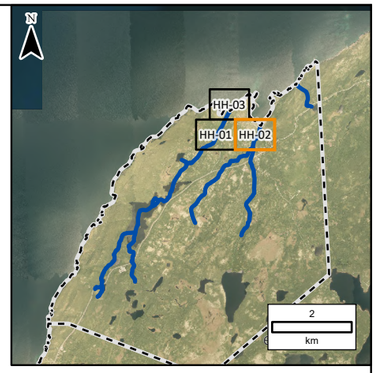

LEGEND:

- 2D Annotation
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

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)

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

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - HH-02

DECEMBER 2025 | FIGURE 3.2 | REV: 0

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22-3217-002-Fig3.2 11"x17" PLOT SCALE 1:1

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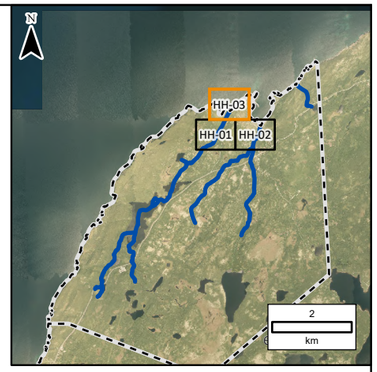

LEGEND:

- 2D Annotation (Stn: 50, Name: FL-FWR-01, AEP 1:20: 1.2 m)
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

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)

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

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - HH-03

DECEMBER 2025 | FIGURE 3.2 | REV: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Historic Flood Mapping Comparisons\Hant's Harbour Historic Inundation Mapping\Hant's Harbour Historic Inundation Mapping.aprx
22-3217-002-Fig3.2 11"x17" PLOT SCALE 1:1

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LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Map Extents
- Municipal Boundary
- 1:100 Year Flood Zone
- 1:100 Year Historic Flood Zone

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

200 0 200 400 600 800 1,000
Metres

SCALE: 1:30,000 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

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - OVERVIEW MAP

DECEMBER 2025 | FIGURE 3.3 | REV: 0

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22-3217-002-Fig3.3 11"x17" PLOT SCALE 1:1

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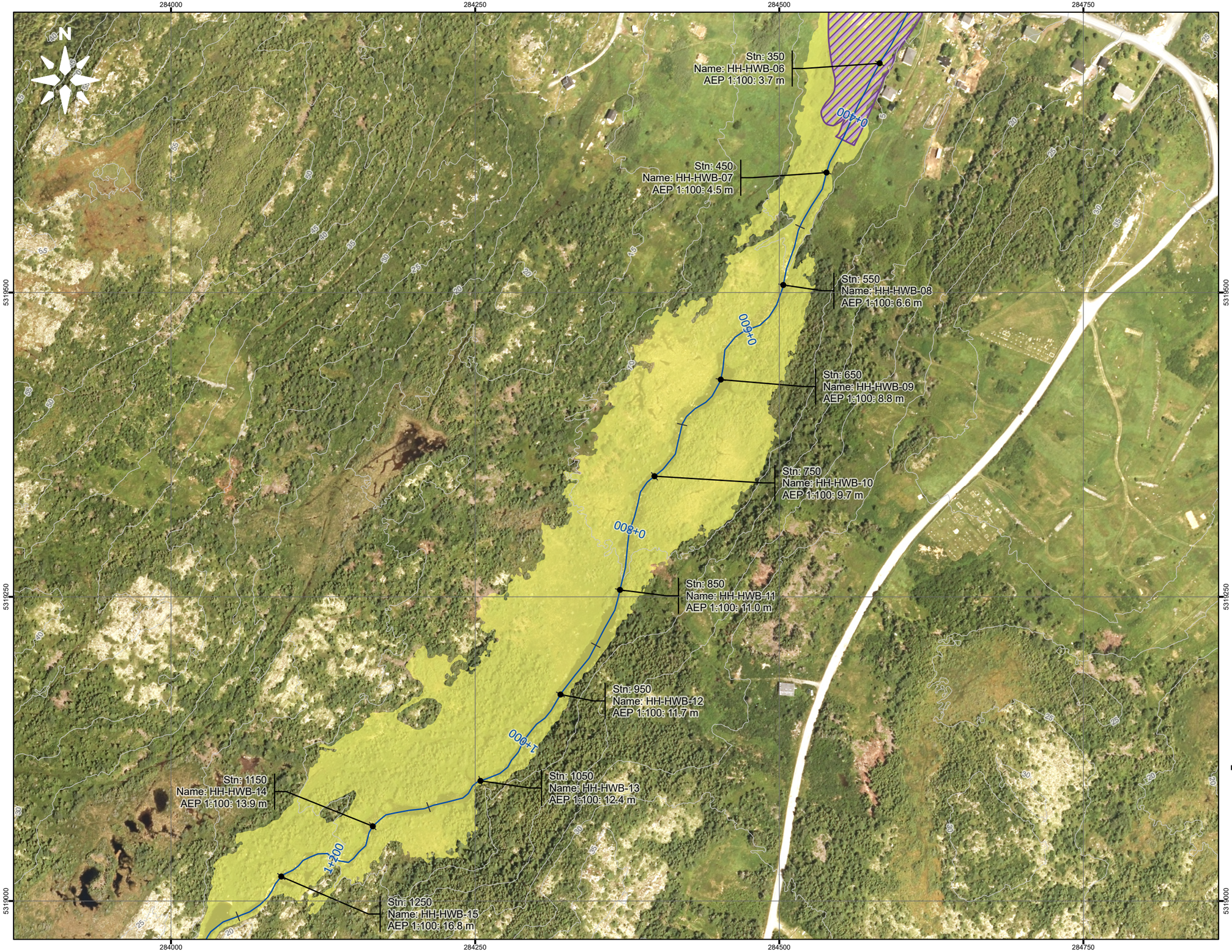

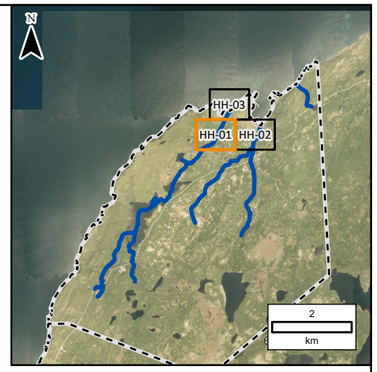

LEGEND:

- 2D Annotation
- 1:100 Year Flood Zone
- 1:100 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

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)

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

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CLC-CD) WITH HISTORICAL FLOOD ZONE - HH-01

DECEMBER 2025 | FIGURE 3.4 | REV: 0

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22-3217-002-Fig3.4 11"x17" PLOT SCALE 1:1

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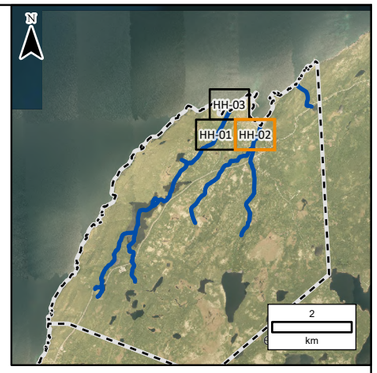

LEGEND:

- 2D Annotation
- 1:100 Year Flood Zone
- 1:100 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

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)

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

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CLC-CD) WITH HISTORICAL FLOOD ZONE - HH-02

DECEMBER 2025 | FIGURE 3.4 | REV.: 0

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22-3217-002-Fig3.4 11"x17" PLOT SCALE 1:1

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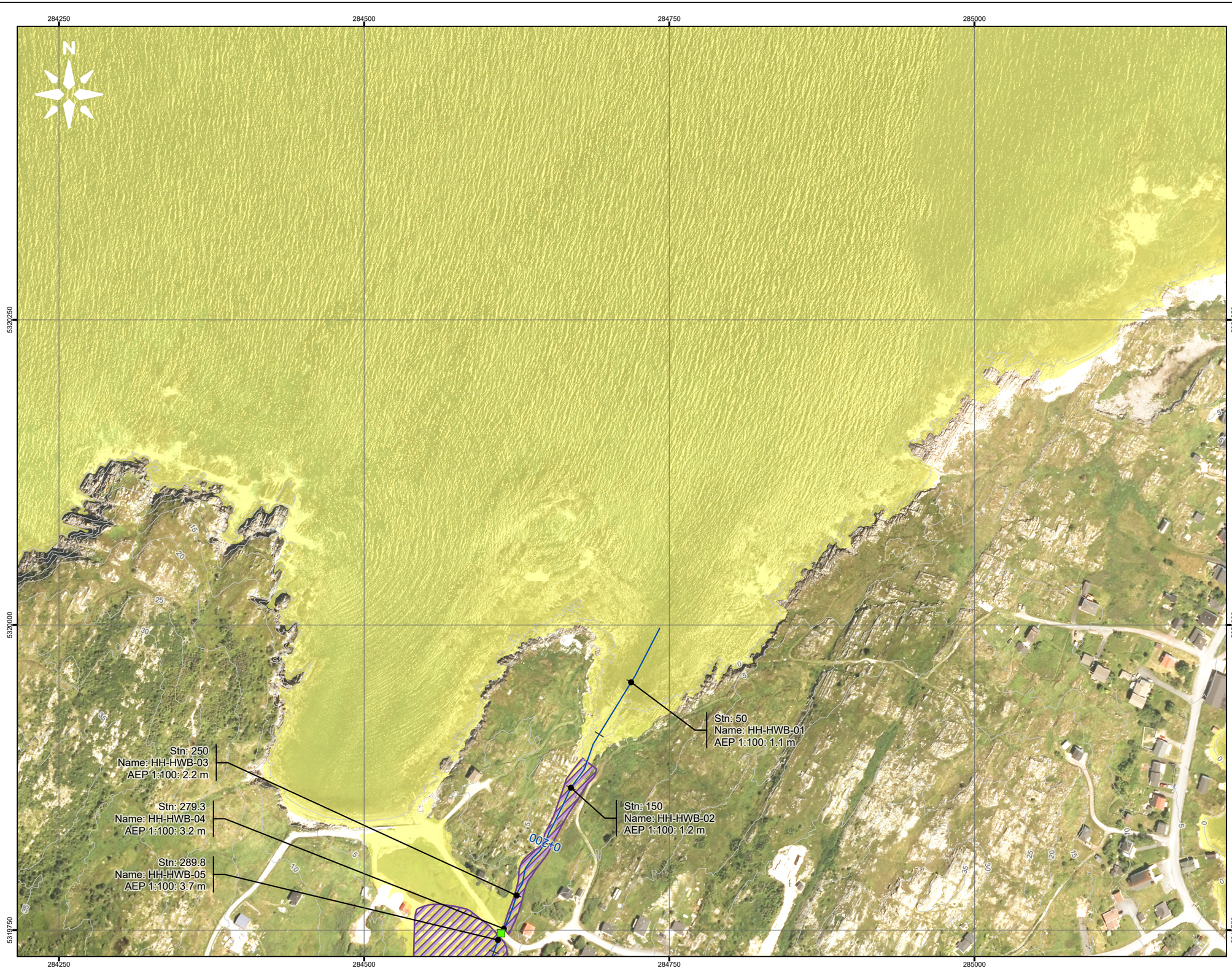

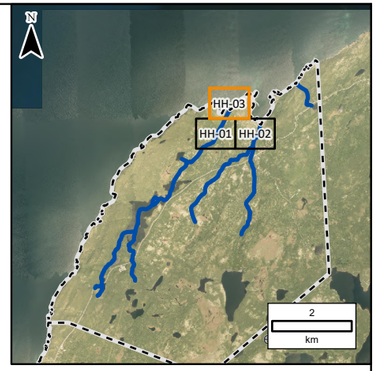

LEGEND:

- 2D Annotation (Stn: 50, Name: FL-FWR-01, AEP 1:20: 1.2 m)
- 1:100 Year Flood Zone
- 1:100 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

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)

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

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CLC-CD) WITH HISTORICAL FLOOD ZONE - HH-03

DECEMBER 2025 | FIGURE 3.4 | REV: 0

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22-3217-002-Fig3.4 11"x17" PLOT SCALE 1:1

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LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Map Extents
- Municipal_Boundary
- 1:20 Year Historical Flood Zone
- 1:20 Year Flood Zone

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

150 0 150 300 450 600 750
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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1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - OVERVIEW MAP

DECEMBER 2025 | FIGURE 4.1 | REV: 0

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22-3217-002-Fig4.1 11"x17" PLOT SCALE 1:1

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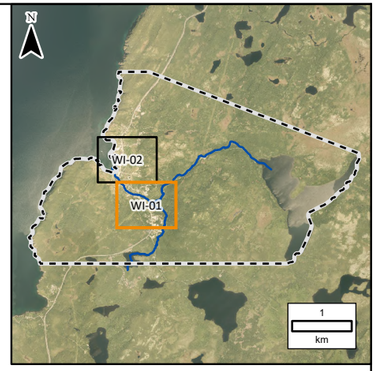

LEGEND:

- 2D Annotation
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

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)

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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Newfoundland Labrador Canada

CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - WI-01

DECEMBER 2025 | FIGURE 4.2 | REV: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Historic Flood Mapping Comparisons\Winterton Historic Inundation Mapping\Winterton Historic Inundation Mapping.aprx
22-3217-002-Fig4.2 11"x17" PLOT SCALE 1:1

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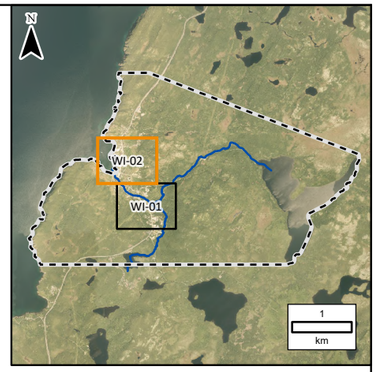

LEGEND:

- 2D Annotation
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

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)

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

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - WI-02

DECEMBER 2025 | FIGURE 4.2 | REV: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Historic Flood Mapping Comparisons\Winterton Historic Inundation Mapping\Winterton Historic Inundation Mapping.aprx
22-3217-002-Fig4.2 11"x17" PLOT SCALE 1:1

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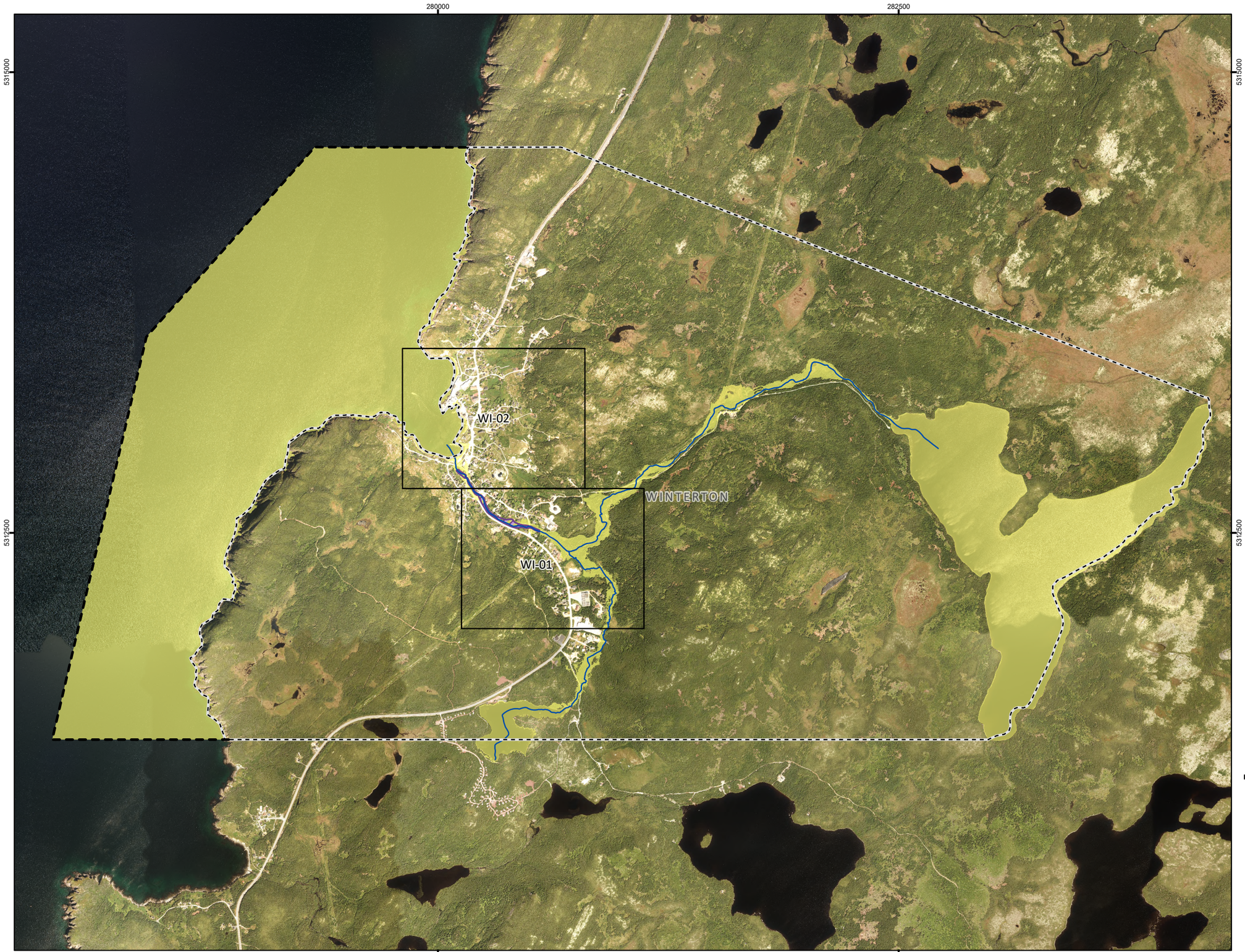

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Map Extents
- Municipal_Boundary
- 1:100 Year Historic Flood Zone
- 1:100 Year Flood Zone

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

150 0 150 300 450 600 750
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

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - OVERVIEW MAP

DECEMBER 2025 | FIGURE 4.3 | REV: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Historic Flood Mapping Comparisons\Winterton Historic Inundation Mapping\Winterton Historic Inundation Mapping.aprx
22-3217-002-Fig4.3 11"x17" PLOT SCALE 1:1

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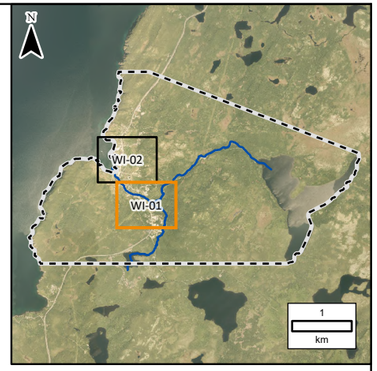

LEGEND:

- 2D Annotation (Stn: 50, Name: FL-FWR-01, AEP 1:20: 1.2 m)
- 1:100 Year Flood Zone
- 1:100 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

NOTES:

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2. Topography shown was developed by KGS Group from the HRDEM from Natural Resources Canada (NRCAN). (Capture date: June and July, 2020)

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

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - WI-01

DECEMBER 2025 | FIGURE 4.4 | REV: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Historic Flood Mapping Comparisons\Winterton Historic Inundation Mapping\Winterton Historic Inundation Mapping.aprx
22-3217-002-Fig4.4 11"x17" PLOT SCALE 1:1

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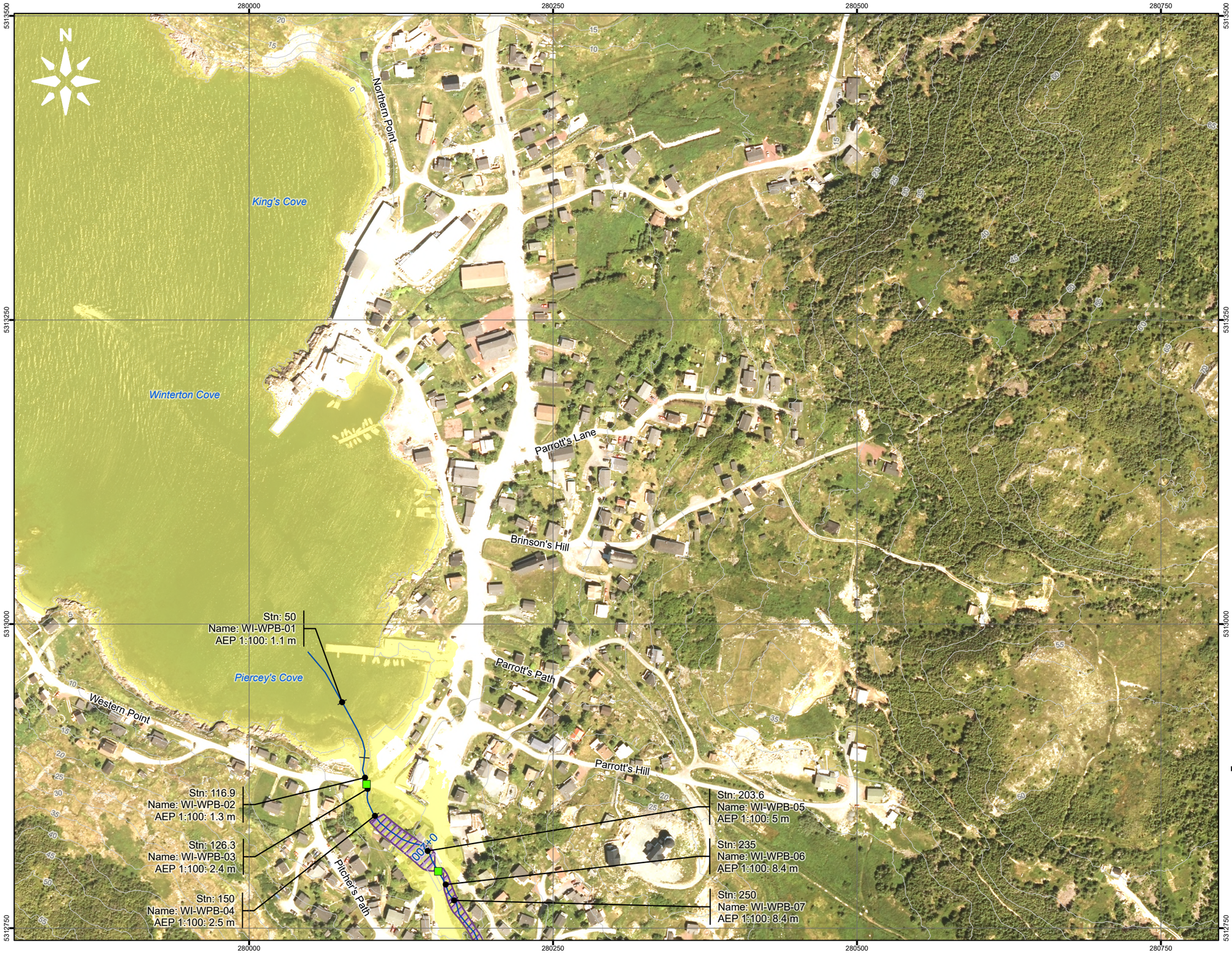

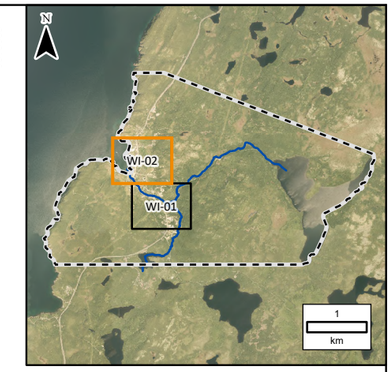

LEGEND:

- 2D Annotation
- 1:100 Year Flood Zone
- 1:100 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

NOTES:
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20 0 20 40 60 80 100
Metres

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

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1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - WI-02

DECEMBER 2025 | FIGURE 4.4 | REV: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Historic Flood Mapping Comparisons\Winterton Historic Inundation Mapping\Winterton Historic Inundation Mapping.aprx
22-3217-002-Fig4.4 11"x17" PLOT SCALE 1:1

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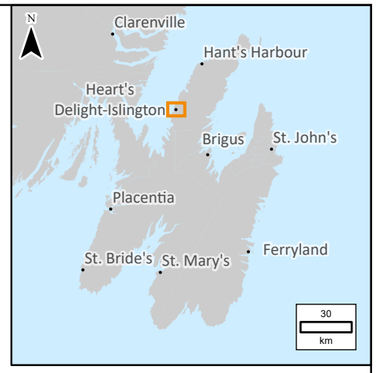

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Map Extents
- Municipal Boundary
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone

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

200 0 200 400 600 800 1,000
Metres

SCALE: 1:30,000 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

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - OVERVIEW MAP

DECEMBER 2025 | FIGURE 5.1 | REV: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Historic Flood Mapping Comparisons\Heart's Delight Historic Inundation Mapping\Heart's Delight Historic Inundation Mapping.aprx
22-3217-002-Fig5.1 11"x17" PLOT SCALE 1:1

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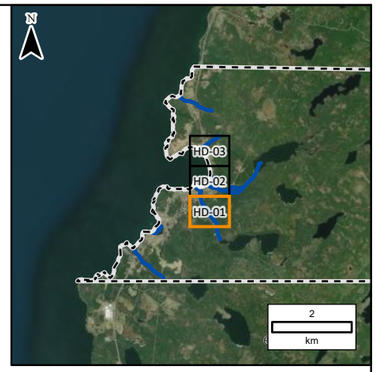

LEGEND:

- 2D Annotation
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

NOTES:
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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

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - HD-01

DECEMBER 2025 | FIGURE 5.2 | REV.: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Historic Flood Mapping Comparisons\Heart's Delight Historic Inundation Mapping\Heart's Delight Historic Inundation Mapping.aprx
22-3217-002-Fig5.2 11"x17" PLOT SCALE 1:1

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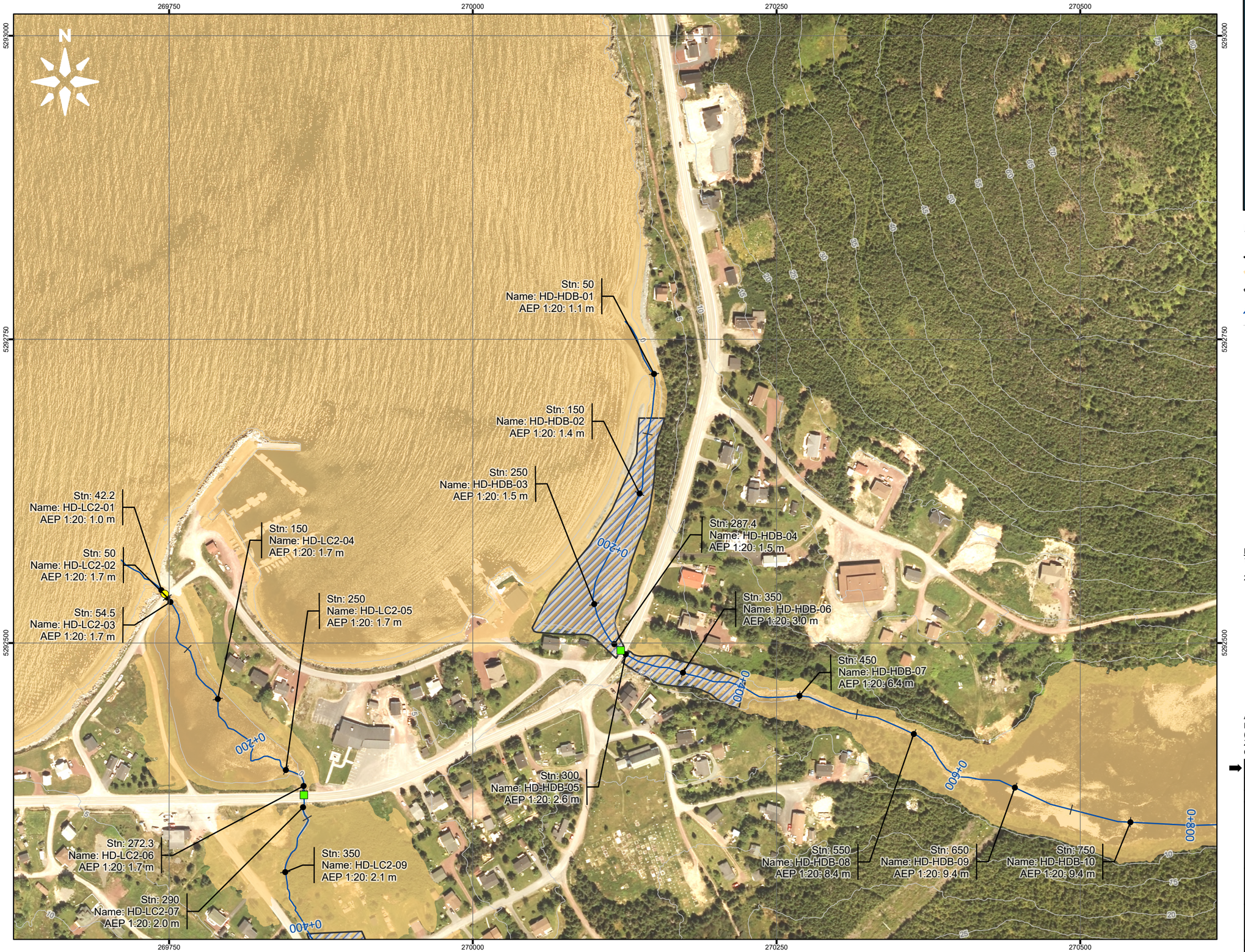

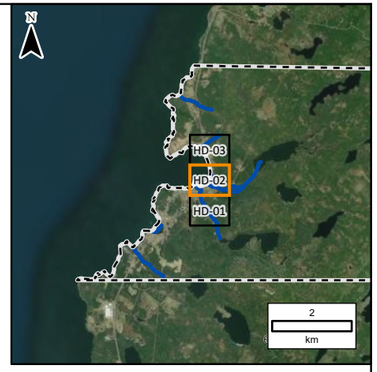

LEGEND:

- 2D Annotation
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

NOTES:
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20 0 20 40 60 80 100
Metres

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

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CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - HD-02

DECEMBER 2025 | FIGURE 5.2 | REV: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Historic Flood Mapping Comparisons\Heart's Delight Historic Inundation Mapping\Heart's Delight Historic Inundation Mapping.aprx
22-3217-002-Fig5.2 11"x17" PLOT SCALE 1:1

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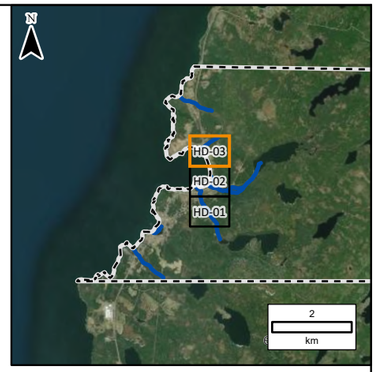

LEGEND:

- 2D Annotation
- 1:20 Year Flood Zone
- 1:20 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

NOTES:
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20 0 20 40 60 80 100
Metres

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

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CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR

1:20 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - HD-03

DECEMBER 2025 | FIGURE 5.2 | REV: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Historic Flood Mapping Comparisons\Heart's Delight Historic Inundation Mapping\Heart's Delight Historic Inundation Mapping.aprx
22-3217-002-Fig5.2 11"x17" PLOT SCALE 1:1

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LEGEND:

- Limit of Mapping
- Map Extents
- Municipal Boundary
- River/Creek Centreline
- 1:100 Year Flood Zone
- 1:100 Year Historic Flood Zone

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

200 0 200 400 600 800 1,000
Metres

SCALE: 1:30,000 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

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - OVERVIEW MAP

DECEMBER 2025 | FIGURE 5.3 | REV: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Historic Flood Mapping Comparisons\Heart's Delight Historic Inundation Mapping\Heart's Delight Historic Inundation Mapping.aprx
22-3217-002-Fig5.3 11"x17" PLOT SCALE 1:1

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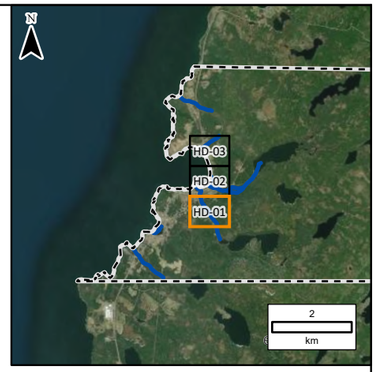

LEGEND:

- 2D Annotation (Stn: 50, Name: FL-FWR-01, AEP 1:20: 1.2 m)
- 1:100 Year Flood Zone
- 1:100 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

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)

20 0 20 40 60 80 100
Metres

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

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CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - HD-01

DECEMBER 2025 | FIGURE 5.4 | REV: 0

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22-3217-002-Fig5.4 11"x17" PLOT SCALE 1:1

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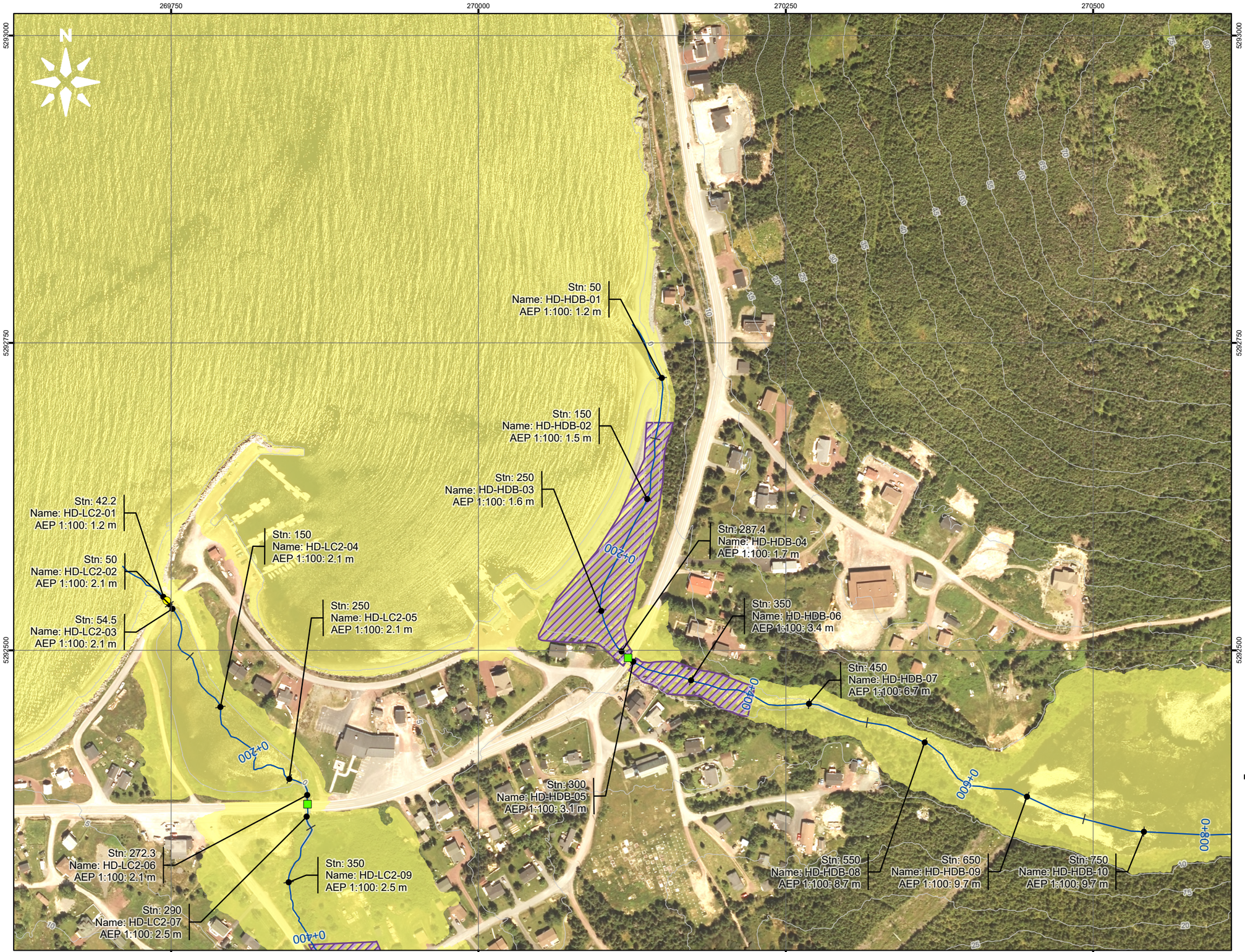

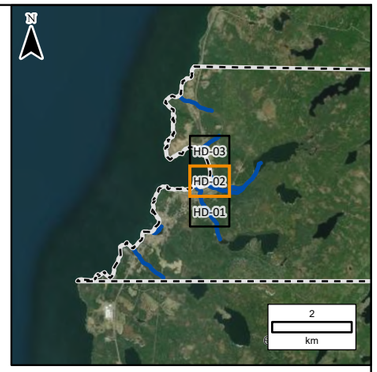

LEGEND:

- 2D Annotation
- 1:100 Year Flood Zone
- 1:100 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

NOTES:
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20 0 20 40 60 80 100
Metres

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

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CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - HD-02

DECEMBER 2025 | FIGURE 5.4 | REV: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Historic Flood Mapping Comparisons\Heart's Delight Historic Inundation Mapping\Heart's Delight Historic Inundation Mapping.aprx
22-3217-002-Fig5.4 11"x17" PLOT SCALE 1:1

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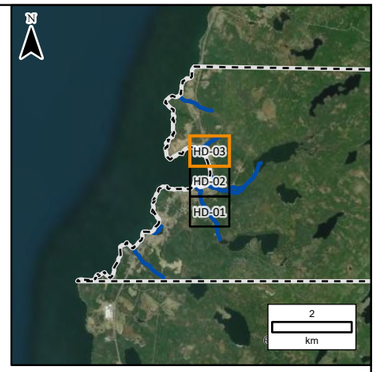

LEGEND:

- 2D Annotation
- 1:100 Year Flood Zone
- 1:100 Year Historical Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Modelled Bridge
- Modelled Culvert

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)

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).

NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY
0	25/12/19	ISSUED WITH FINAL REPORT	ALW	DSB

REVISIONS / ISSUE

KGS GROUP

Newfoundland Labrador Canada

CLIMATE CHANGE FLOOD HAZARD MAPPING STUDY FOR FERRYLAND, BRIGUS, HEART'S DELIGHT, WINTERTON & HANT'S HARBOUR

1:100 YR CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) WITH HISTORICAL FLOOD ZONE - HD-03

DECEMBER 2025 | FIGURE 5.4 | REV: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Historic Flood Mapping Comparisons\Heart's Delight Historic Inundation Mapping\Heart's Delight Historic Inundation Mapping.aprx
22-3217-002-Fig5.4 11"x17" PLOT SCALE 1:1