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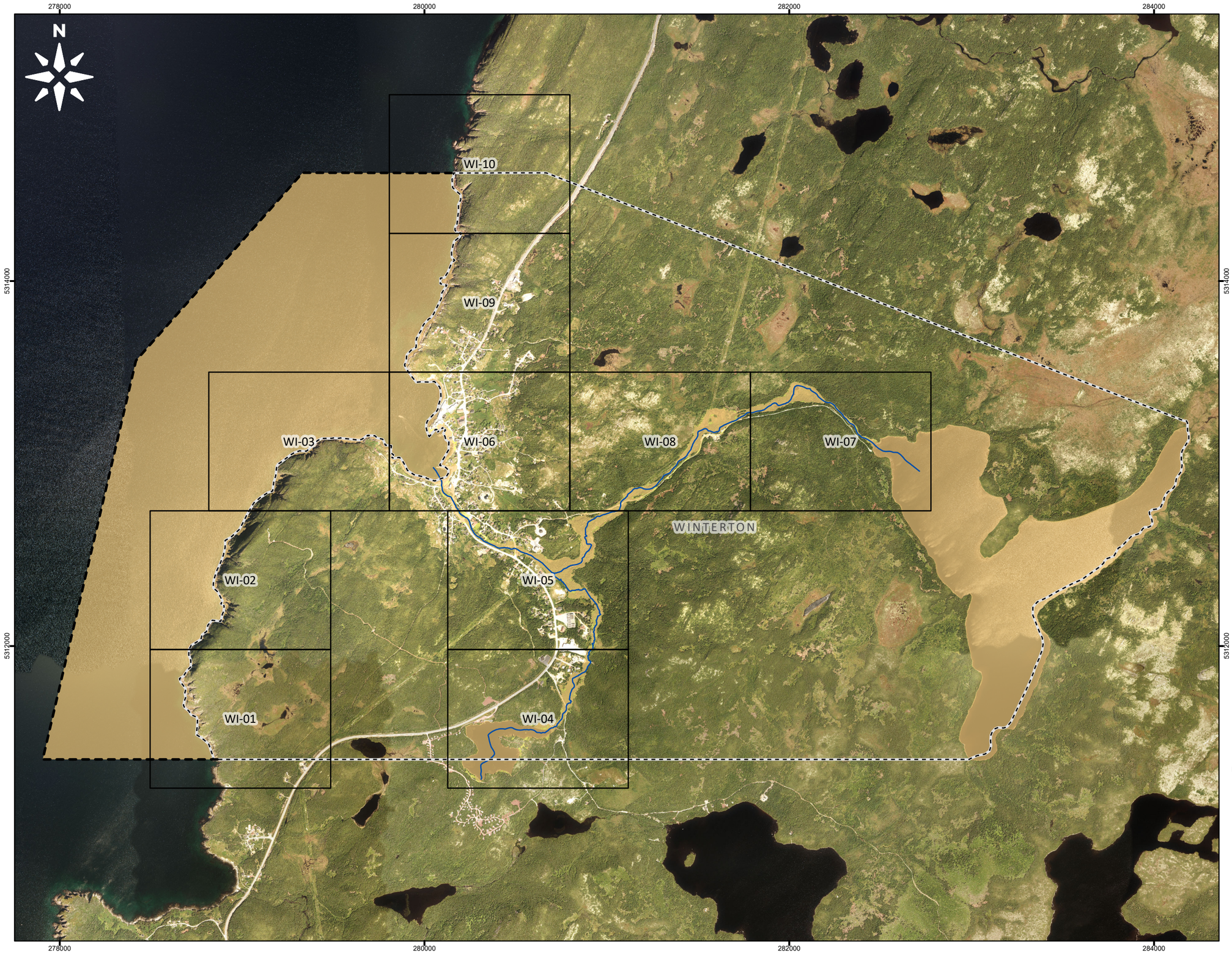

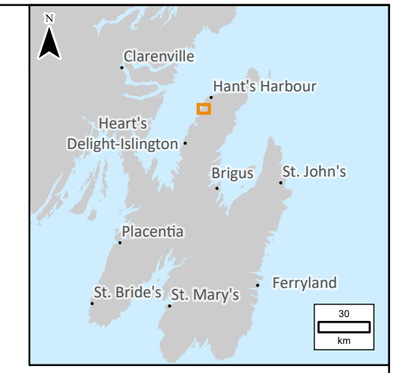

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Map Extents
- Municipal Boundary
- 1:20 Year Flood Zone
- 1:100 Year Flood Zone

NOTES:

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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)
AEP FLOOD ZONE - OVERVIEW MAP

DECEMBER 2025 | FIGURE 9.1 | REV: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Inundation Mapping\Winterton Inundation Mapping\Winterton Inundation Mapping.aprx 22-3217-002-Fig9.1
11"x17" PLOT SCALE 1:1

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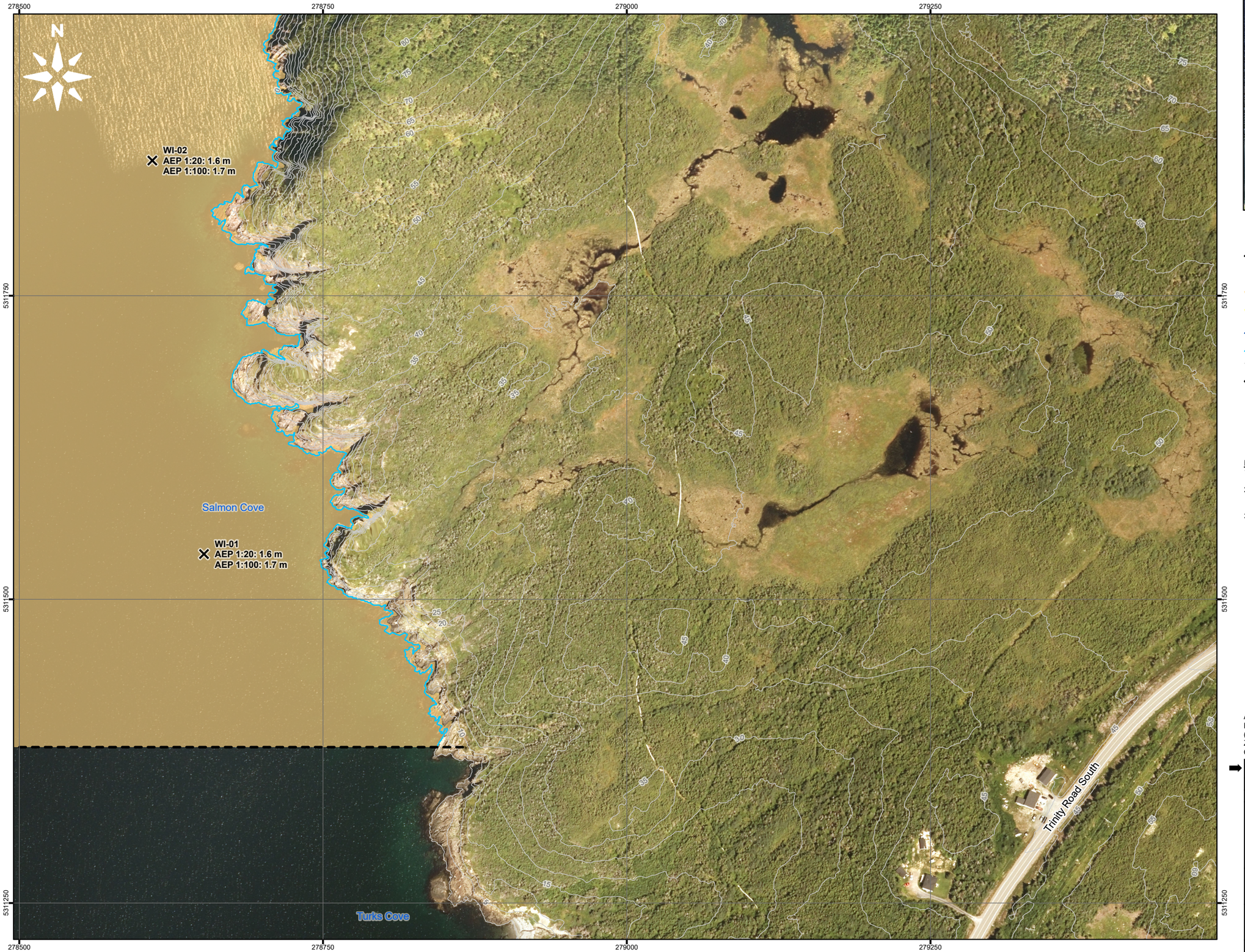

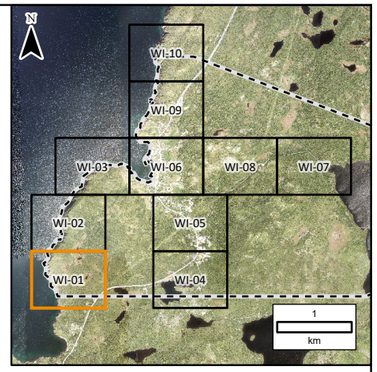

LEGEND:

- 2D Annotation (Stn: 50, Name: FL-FWR-01, AEP 1:20: 1.2 m, AEP 1:100: 1.5 m)
- Coastal Water Level
- 1:20 Year Flood Zone
- 1:100 Year Flood Zone
- River/Creek Centreline
- Coastline
- 5m LiDAR Contour
- Limit of Mapping
- 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

CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD) FLOOD ZONE - WI-01

DECEMBER 2025 | FIGURE 9.2 | REV: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Inundation Mapping\Winterton Inundation Mapping\Winterton Inundation Mapping.aprx 22-3217-002-Fig9.2
11"x17" PLOT SCALE 1:1

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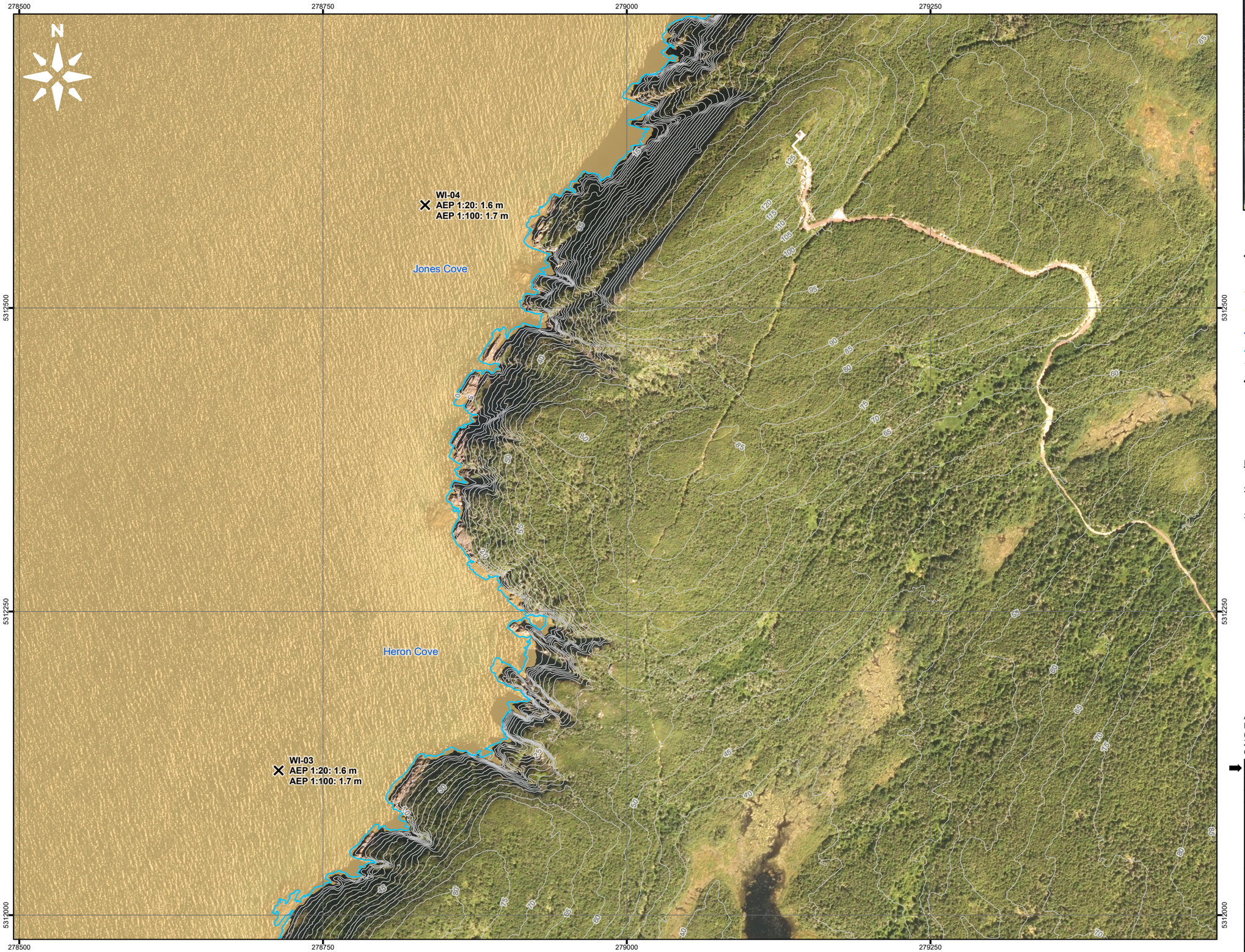

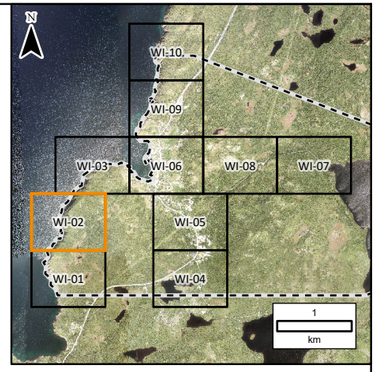

LEGEND:

- 2D Annotation (Stn: 50; Name: FL-FWR-01; AEP 1:20: 1.2 m; AEP 1:100: 1.5 m)
- Coastal Water Level
- 1:20 Year Flood Zone
- 1:100 Year Flood Zone
- River/Creek Centreline
- Coastline
- 5m LiDAR Contour
- Limit of Mapping
- 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

CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD) FLOOD ZONE - WI-02

DECEMBER 2025 | FIGURE 9.2 | REV: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Inundation Mapping\Winterton Inundation Mapping\Winterton Inundation Mapping.aprx 22-3217-002-Fig9.2
11"x17" PLOT SCALE 1:1

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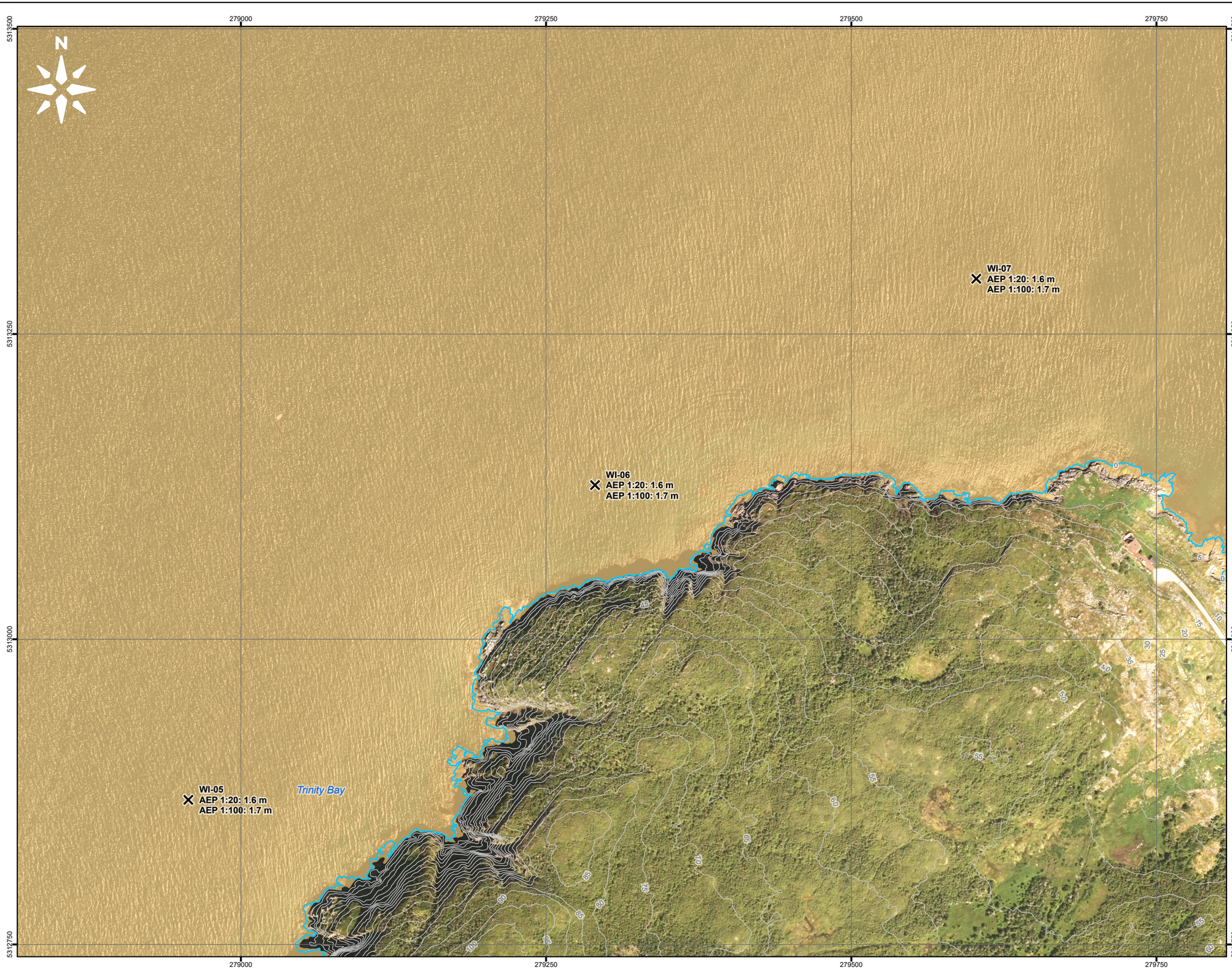

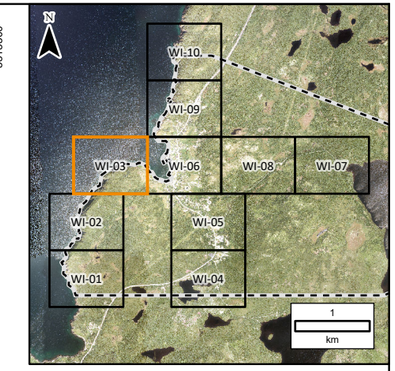

LEGEND:

- 2D Annotation (Stn: 50; Name: FL-FWR-01; AEP 1:20: 1.2 m; AEP 1:100: 1.5 m)
- Coastal Water Level
- 1:20 Year Flood Zone
- 1:100 Year Flood Zone
- River/Creek Centreline
- Coastline
- 5m LiDAR Contour
- Limit of Mapping
- 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

CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD) FLOOD ZONE - WI-03

DECEMBER 2025 | FIGURE 9.2 | REV.: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Inundation Mapping\Winterton Inundation Mapping\Winterton Inundation Mapping.aprx 22-3217-002-Fig9.2
11"x17" PLOT SCALE 1:1

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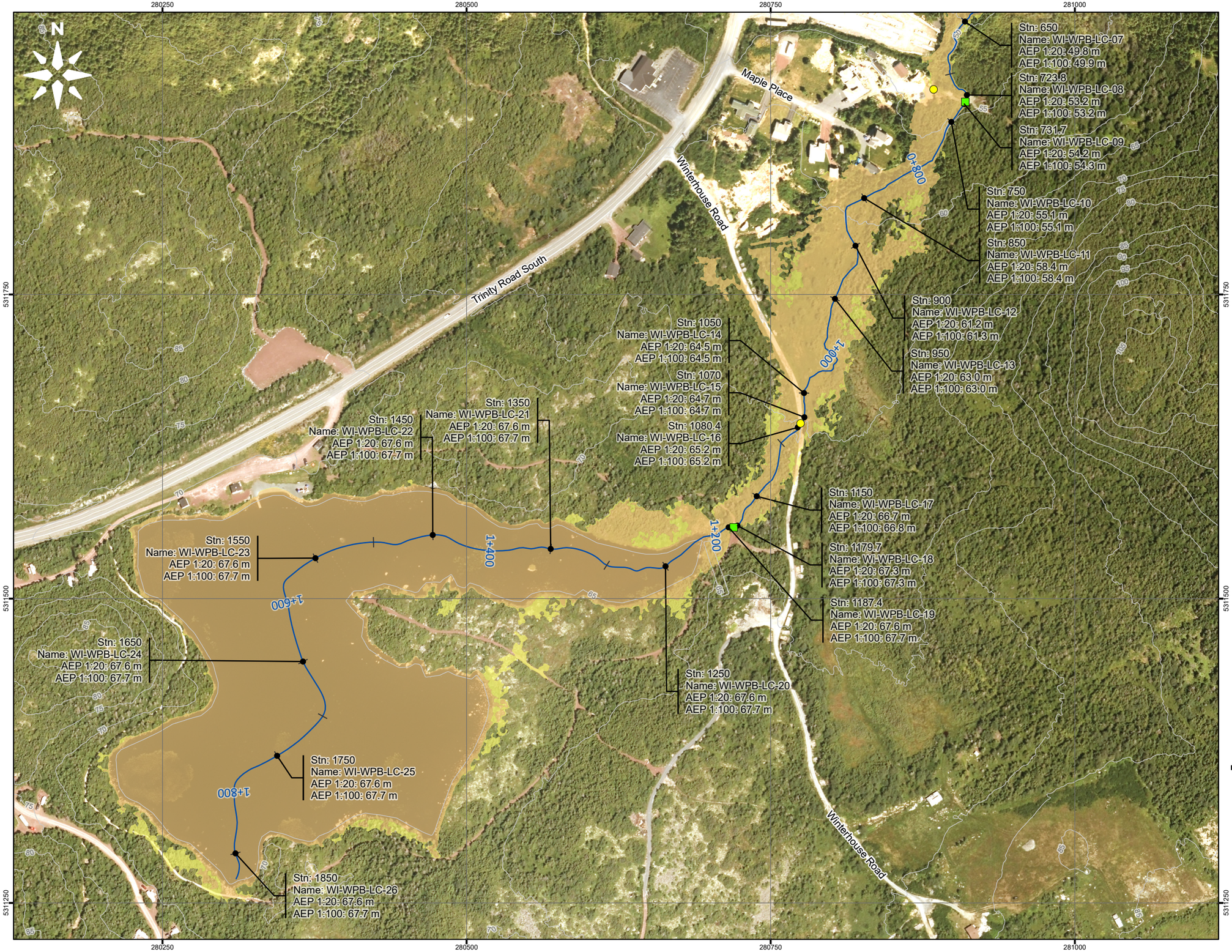

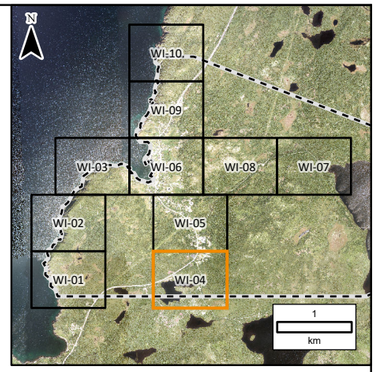

LEGEND:

- 2D Annotation
- Coastal Water Level
- 1:20 Year Flood Zone
- 1:100 Year Flood Zone
- River/Creek Centreline
- Coastline
- 5m LiDAR Contour
- Limit of Mapping
- 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

CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD) FLOOD ZONE - WI-04

DECEMBER 2025 | FIGURE 9.2 | REV.: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Inundation Mapping\Winterton Inundation Mapping\Winterton Inundation Mapping.aprx 22-3217-002-Fig9.2
11"x17" PLOT SCALE 1:1

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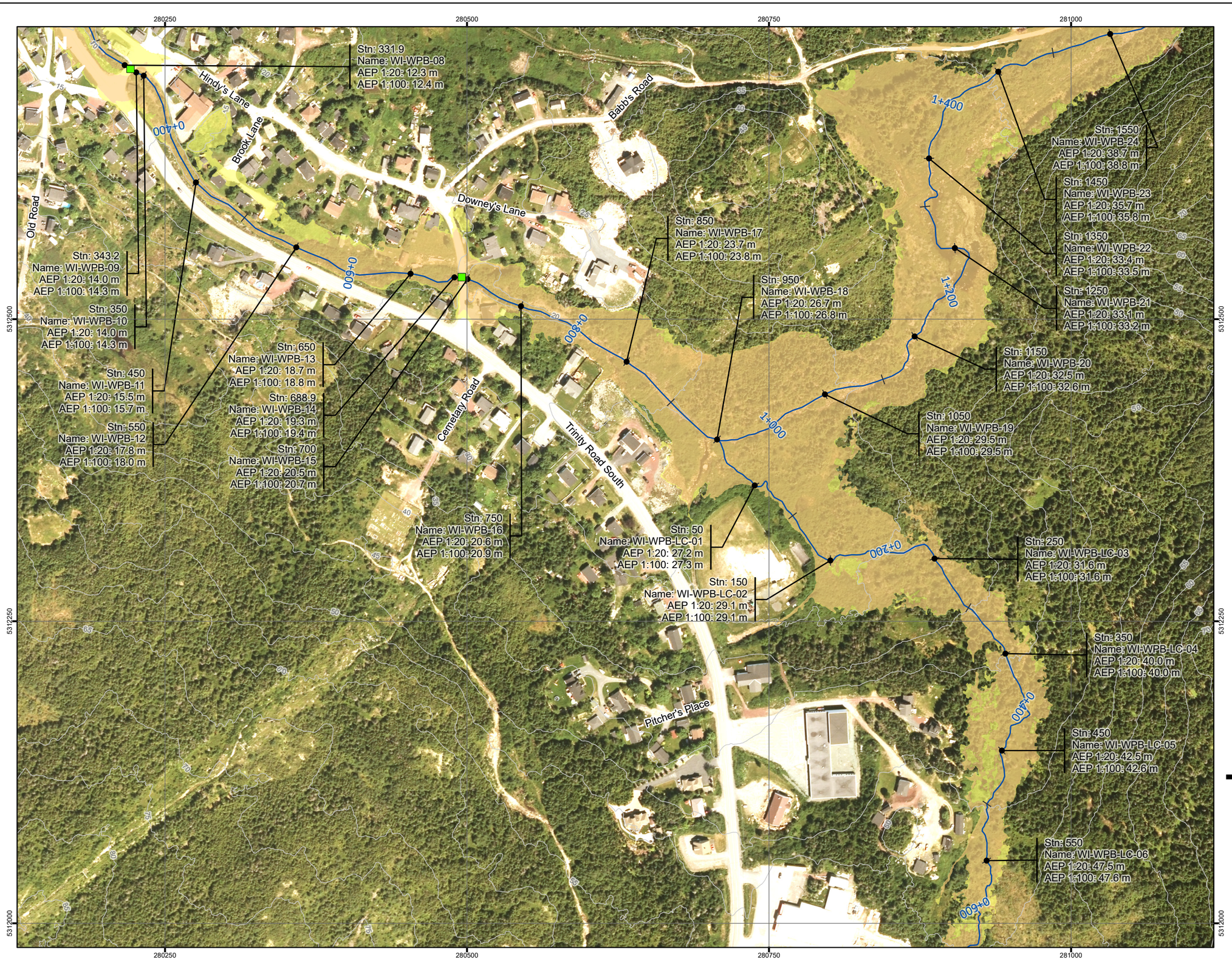

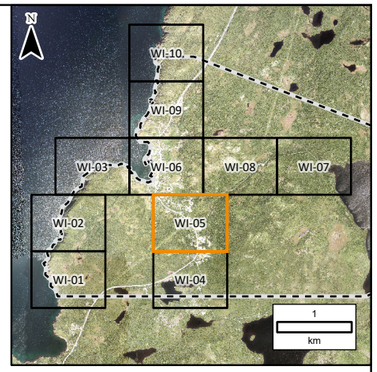

LEGEND:

- 2D Annotation
- Coastal Water Level
- 1:20 Year Flood Zone
- 1:100 Year Flood Zone
- River/Creek Centreline
- Coastline
- 5m LiDAR Contour
- Limit of Mapping
- 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

CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD) FLOOD ZONE - WI-05

DECEMBER 2025 | FIGURE 9.2 | REV: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Inundation Mapping\Winterton Inundation Mapping\Winterton Inundation Mapping.aprx 22-3217-002-Fig9.2
11"x17" PLOT SCALE 1:1

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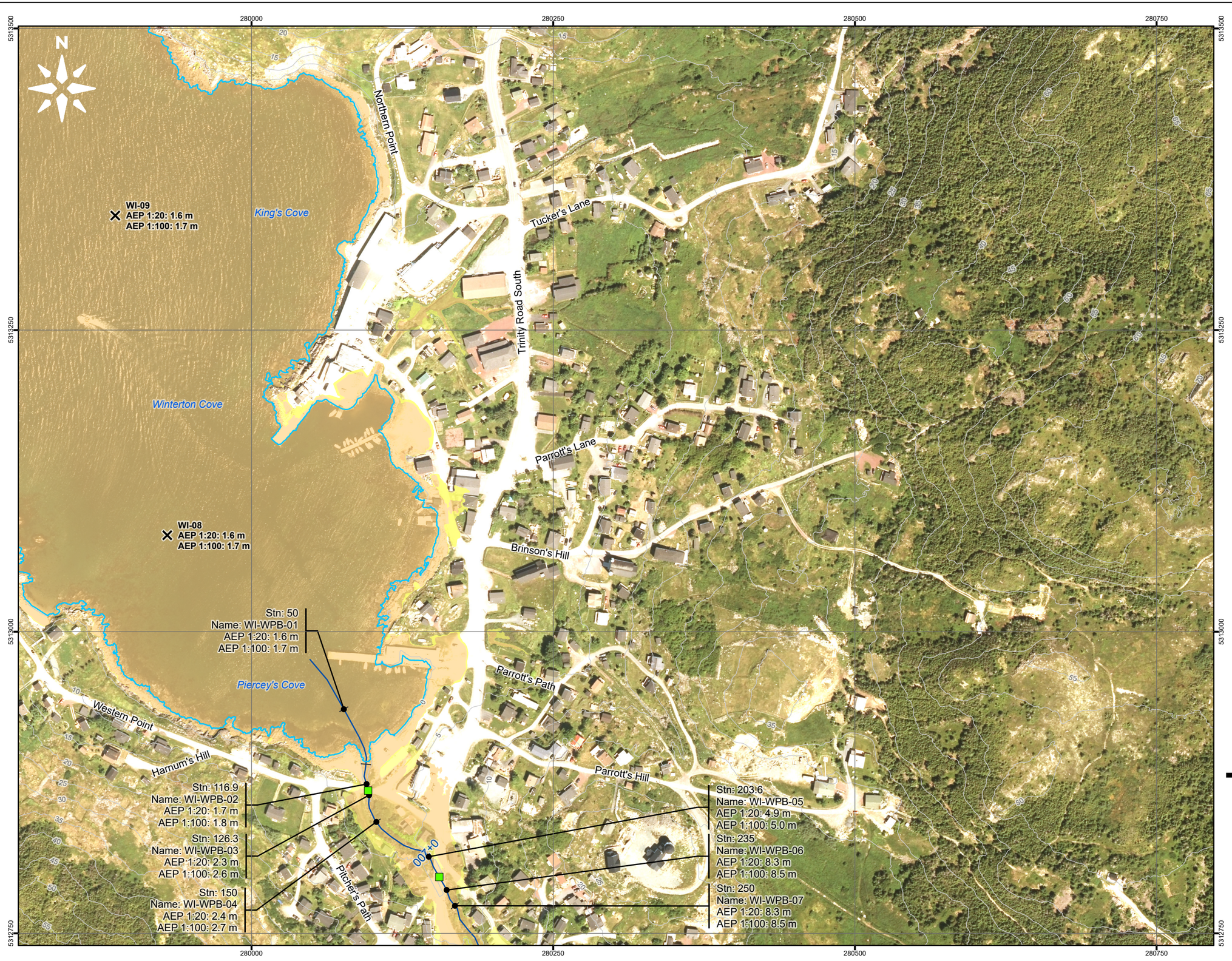

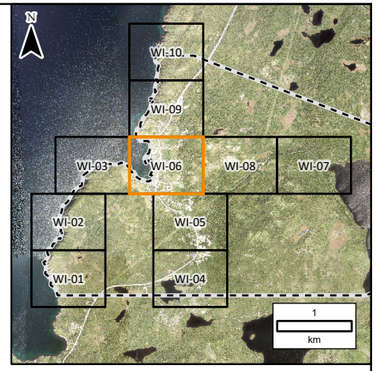

LEGEND:

- 2D Annotation (Stn: 50, Name: FL-FWR-01, AEP 1:20: 1.2 m, AEP 1:100: 1.5 m)
- Coastal Water Level
- 1:20 Year Flood Zone
- 1:100 Year Flood Zone
- River/Creek Centreline
- Coastline
- 5m LiDAR Contour
- Limit of Mapping
- 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

CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD) FLOOD ZONE - WI-06

DECEMBER 2025 | FIGURE 9.2 | REV: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Inundation Mapping\Winterton Inundation Mapping\Winterton Inundation Mapping.aprx 22-3217-002-Fig9.2
11"x17" PLOT SCALE 1:1

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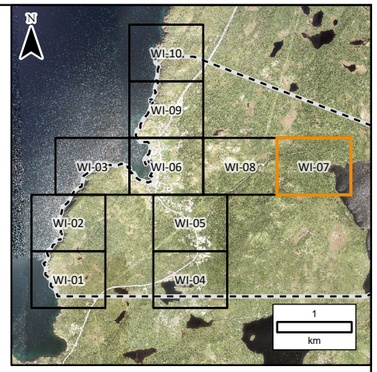

LEGEND:

- 2D Annotation
- Coastal Water Level
- 1:20 Year Flood Zone
- 1:100 Year Flood Zone
- River/Creek Centreline
- Coastline
- 5m LiDAR Contour
- Limit of Mapping
- Modelled Bridge
- Modelled Culvert

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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

CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD) FLOOD ZONE - WI-07

DECEMBER 2025 | FIGURE 9.2 | REV.: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Inundation Mapping\Winterton Inundation Mapping\Winterton Inundation Mapping.aprx 22-3217-002-Fig9.2
11"x17" PLOT SCALE 1:1

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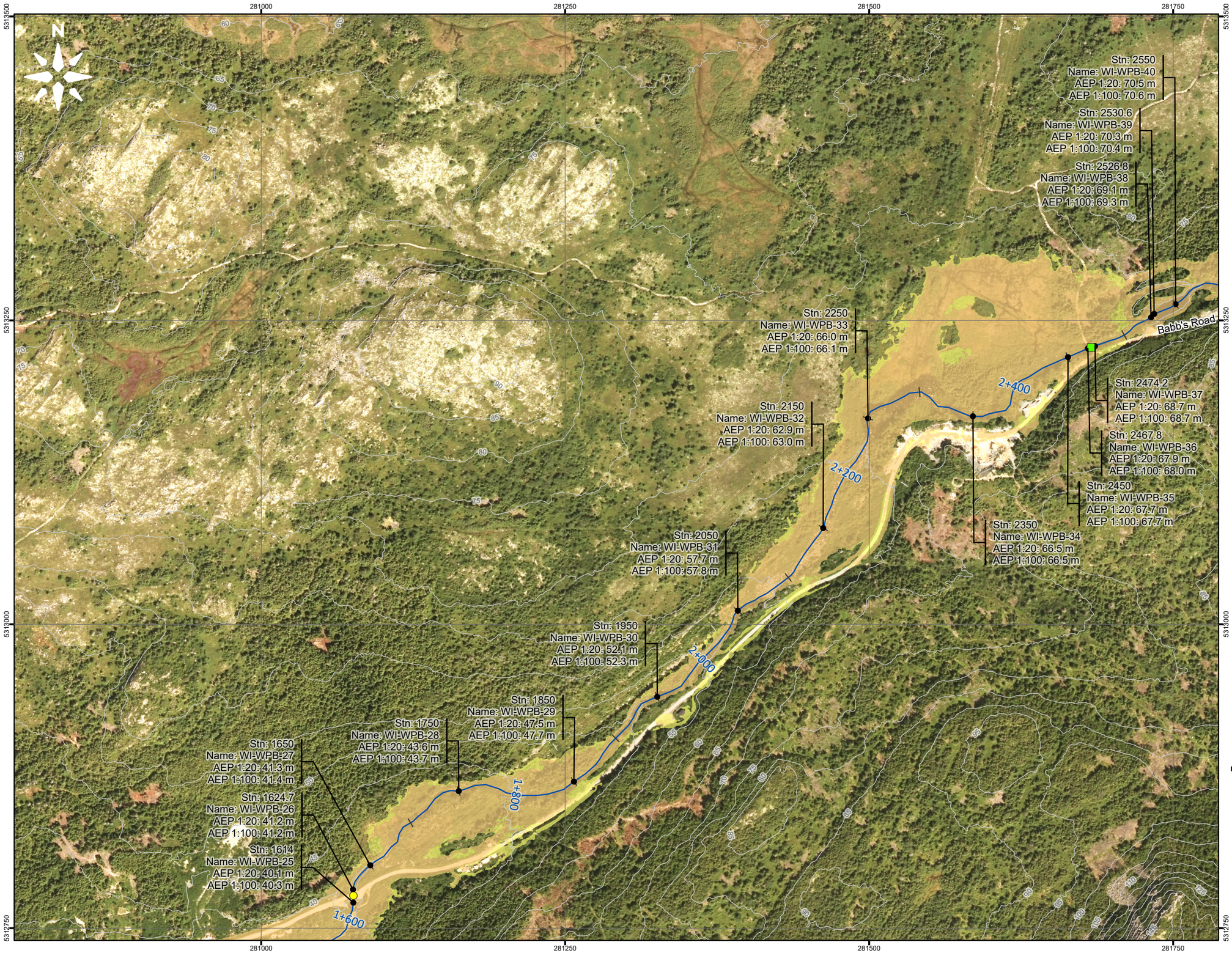

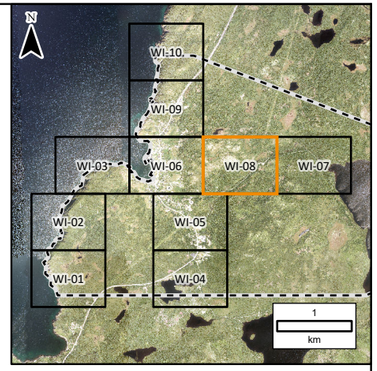

LEGEND:

- 2D Annotation (Stn: 50 / Name: FL-FWR-01 / AEP 1:20: 1.2 m / AEP 1:100: 1.5 m)
- Coastal Water Level
- 1:20 Year Flood Zone
- 1:100 Year Flood Zone
- River/Creek Centreline
- Coastline
- 5m LiDAR Contour
- Limit of Mapping
- Modelled Bridge
- Modelled Culvert

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20 0 20 40 60 80 100
Metres

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

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KGS GROUP

Newfoundland Labrador Canada

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

CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD) FLOOD ZONE - WI-08

DECEMBER 2025 | FIGURE 9.2 | REV.: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Inundation Mapping\Winterton Inundation Mapping\Winterton Inundation Mapping.aprx 22-3217-002-Fig9.2
11"x17" PLOT SCALE 1:1

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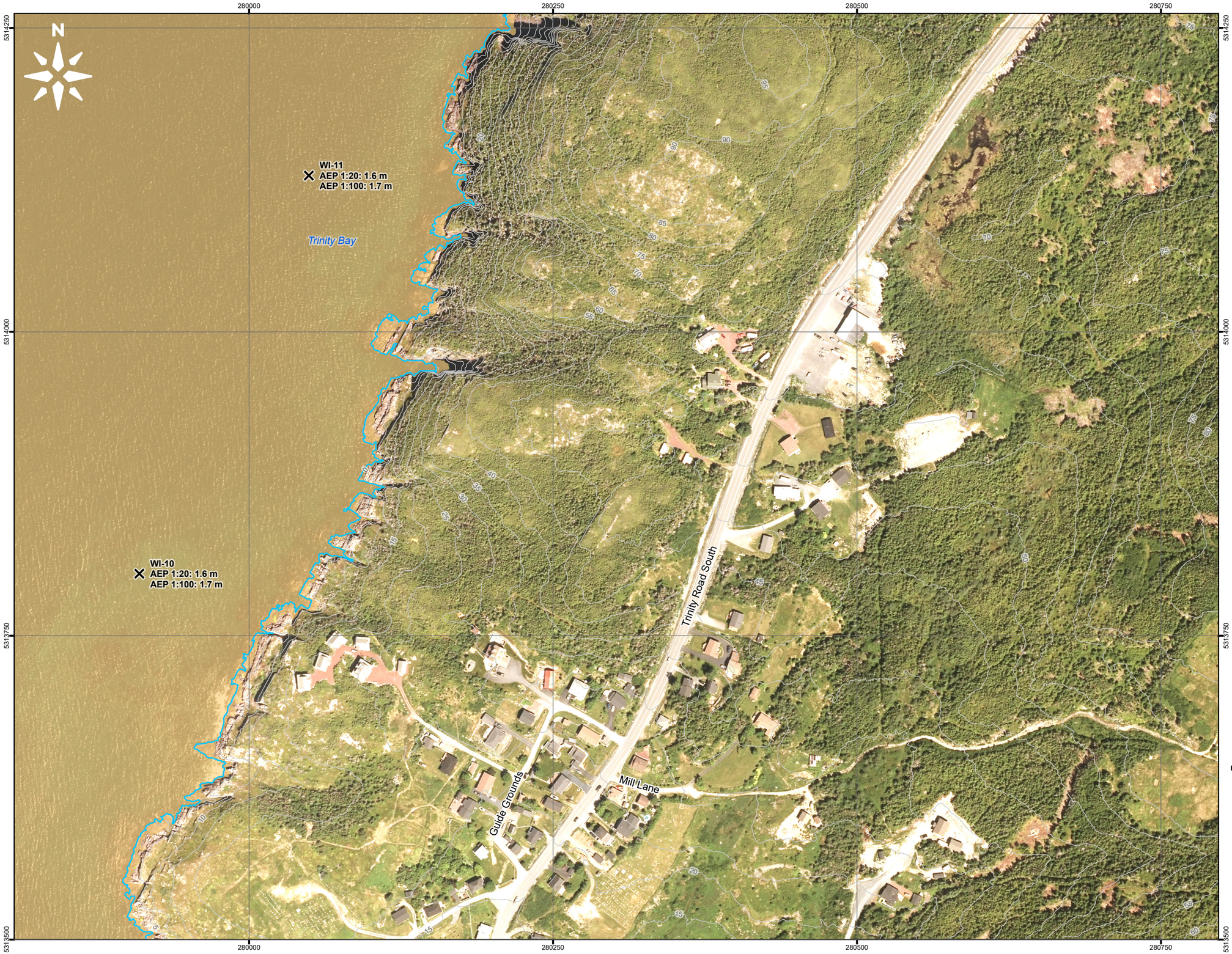

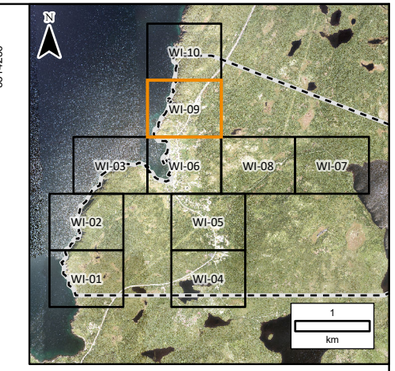

LEGEND:

- 2D Annotation (Stn: 50, Name: FL-FWR-01, AEP 1:20: 1.2 m, AEP 1:100: 1.5 m)
- Coastal Water Level
- 1:20 Year Flood Zone
- 1:100 Year Flood Zone
- River/Creek Centreline
- Coastline
- 5m LiDAR Contour
- Limit of Mapping
- 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)
3. The results shown on this map were simulated using flows developed from climate change adjusted IDF curves, representing the median RCP 8.5 scenario for 2071-2100. Climate change adjusted IDF curves were obtained from a *Projected Impacts of Climate Change for the Province of Newfoundland and Labrador: 2018 Update* study by Finnis (2018). Coastal water levels were adjusted by the sea level rise projections for SSP5-8.5 for 2100, obtained from the Canadian Extreme Water Level Adaptation Tool (CAN-EWLAT).

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 AND CURRENT DEVELOPMENT CONDITION (CLC-CD) FLOOD ZONE - WI-09

DECEMBER 2025 | FIGURE 9.2 | REV.: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Inundation Mapping\Winterton Inundation Mapping\Winterton Inundation Mapping.aprx 22-3217-002-Fig9.2
11"x17" PLOT SCALE 1:1

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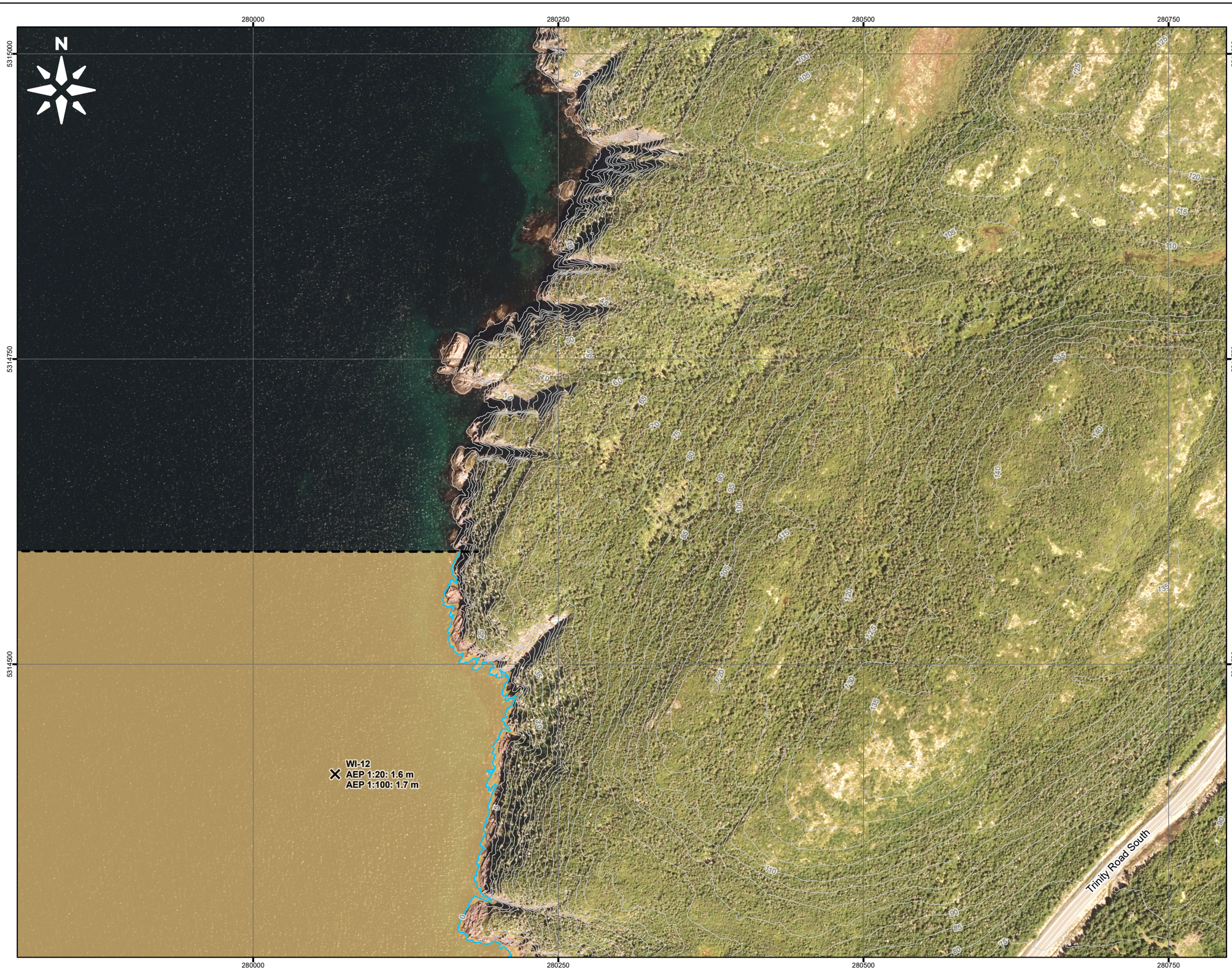

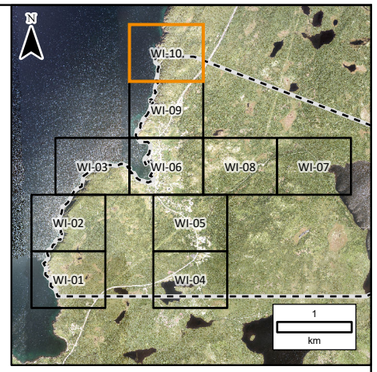

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20 0 20 40 60 80 100
Metres

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

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CLIMATE CHANGE AND CURRENT DEVELOPMENT CONDITION (CLC-CD) FLOOD ZONE - WI-10

DECEMBER 2025 | FIGURE 9.2 | REV: 0

FileName: P:\Projects\2022\22-3217-002\Design\GIS\Data\ArcPro\Inundation Mapping\Winterton Inundation Mapping\Winterton Inundation Mapping.aprx 22-3217-002-Fig9.2
11"x17" PLOT SCALE 1:1