APPENDIX O

Flood Risk Maps

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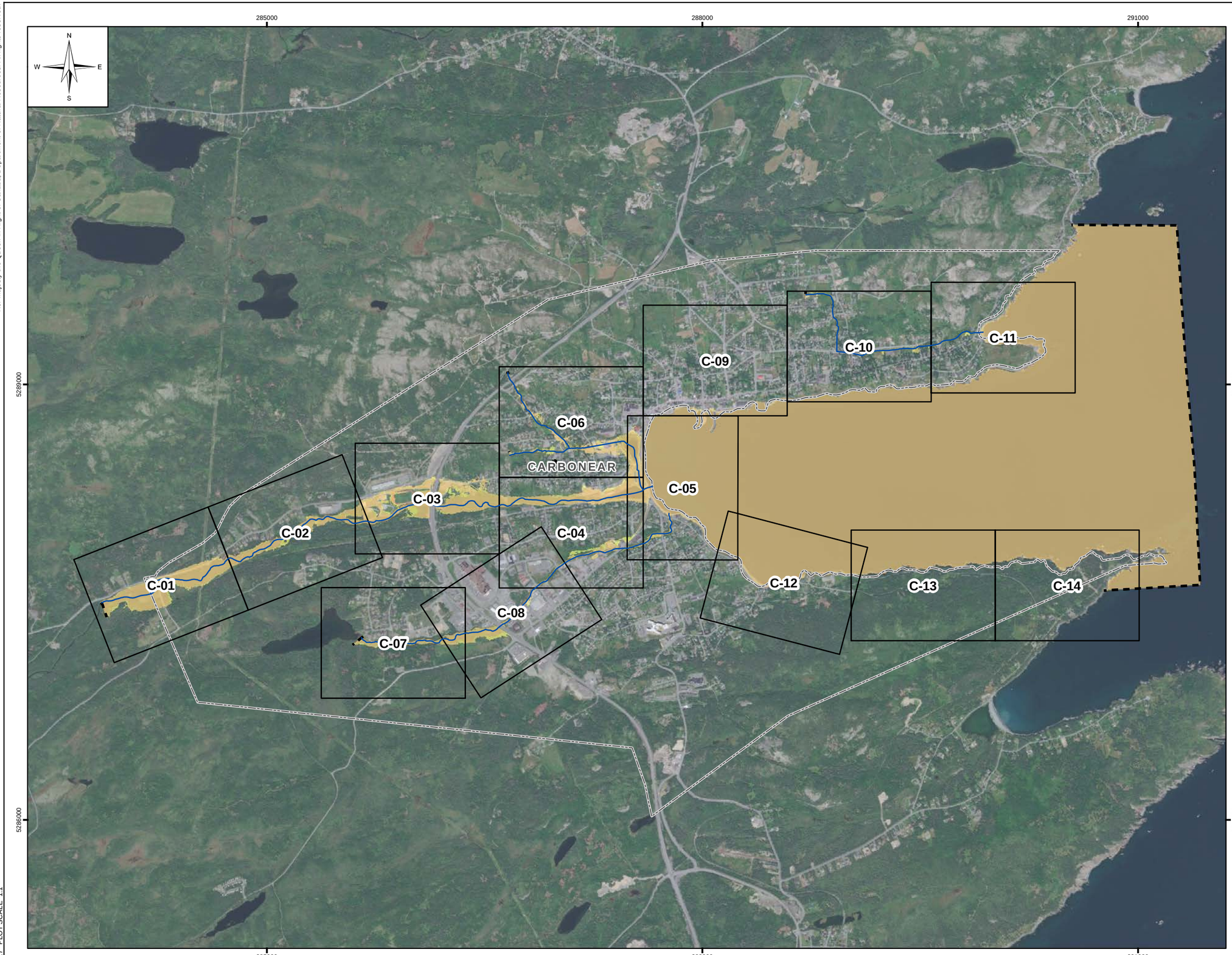

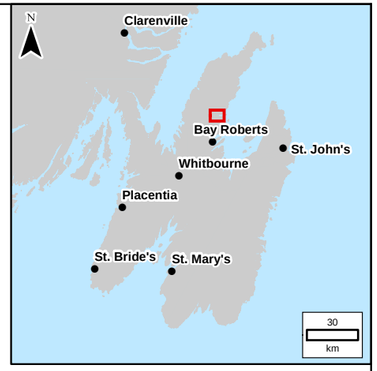

LEGEND:

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

NOTES:
1. Imagery is supplied by ESRI/Maxar, dated 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 RISK MAPPING STUDY FOR PLACENTIA, CARBONEAR, VICTORIA AND SALMON COVE

CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) AEP FLOOD ZONE - OVERVIEW MAP

SEPTEMBER 2022 | FIGURE 2.1 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig2.1.mxd
11"x17" PLOT SCALE 1:1

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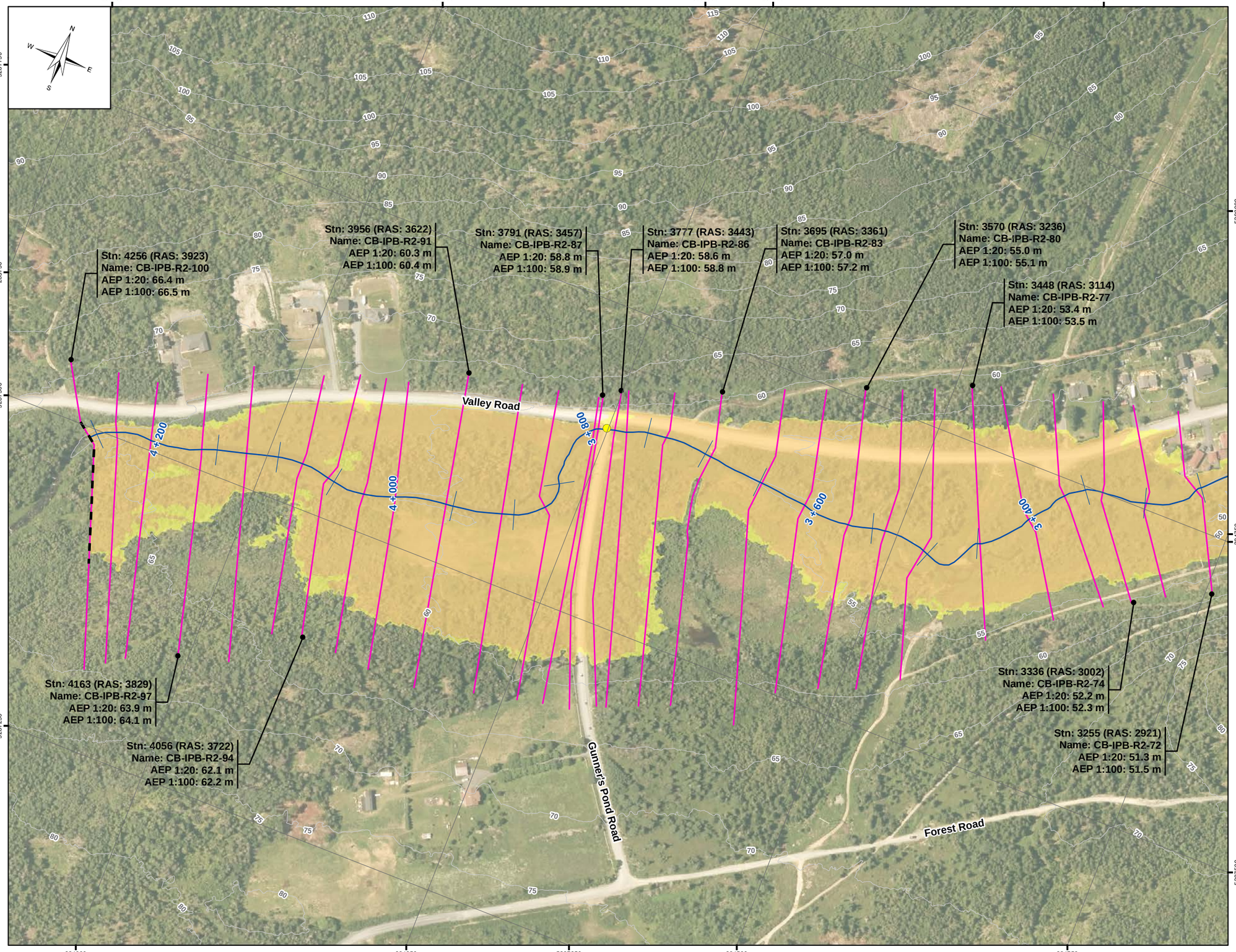

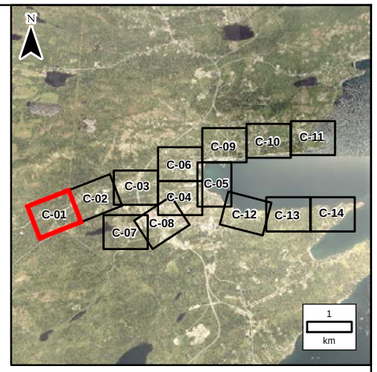

LEGEND:

- Stn: 494 (RAS: 494) Name: CB-LC-R1-28 AEP 1:20: 14.4 m AEP 1:100: 14.7 m — Cross Section
- Stn: 750 Name: CB-LC-2D-44 AEP 1:20: 17.7 m AEP 1:100: 17.9 m — 2D Annotation
- 1:20 Year Flood Zone
- 100 Year Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 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. Annotation not shown for all cross sections for clarity.
4. Levels shown as N/A are dry.

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 RISK MAPPING STUDY FOR PLACENTIA, CARBONEAR, VICTORIA AND SALMON COVE

CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD)
AEP FLOOD ZONE - C-01

SEPTEMBER 2022 | FIGURE 2.2 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig2.2.mxd
11"x17" PLOT SCALE 1:1

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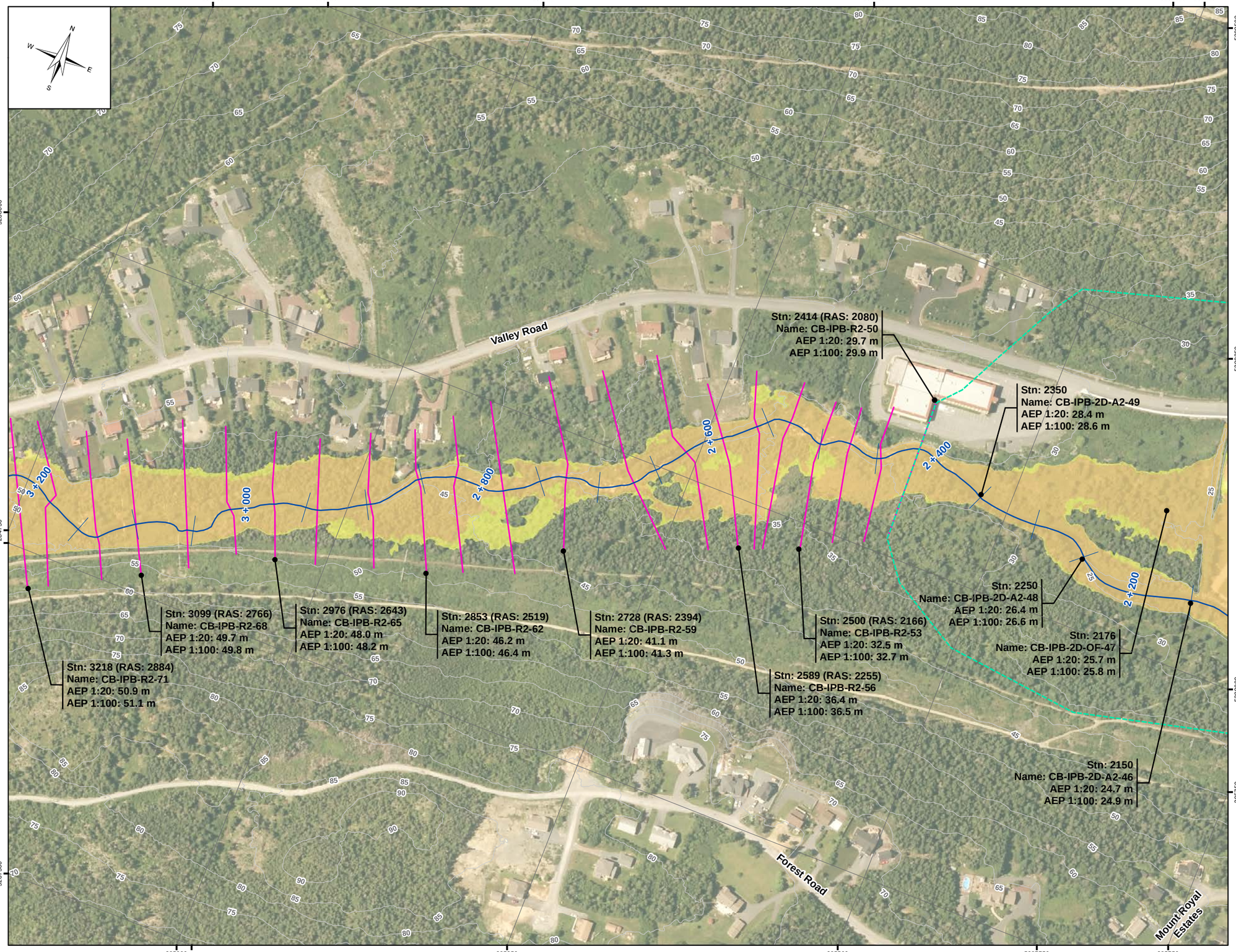

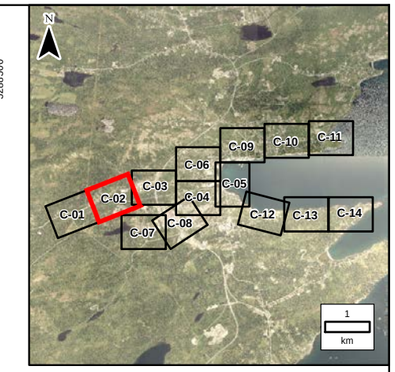

LEGEND:

- Stn: 494 (RAS: 494) Name: CB-LC-R1-28 AEP 1:20: 14.4 m AEP 1:100: 14.7 m — Cross Section
- Stn: 750 Name: CB-LC-2D-44 AEP 1:20: 17.7 m AEP 1:100: 17.9 m — 2D Annotation
- 1:20 Year Flood Zone
- 100 Year Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- Modelled Bridge
- Modelled Culvert

NOTES:
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4. Levels shown as N/A are dry.

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 RISK MAPPING STUDY FOR PLACENTIA, CARBONEAR, VICTORIA AND SALMON COVE

CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD)
AEP FLOOD ZONE - C-02

SEPTEMBER 2022 | FIGURE 2.2 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig2.2.mxd
11"x17" PLOT SCALE 1:1

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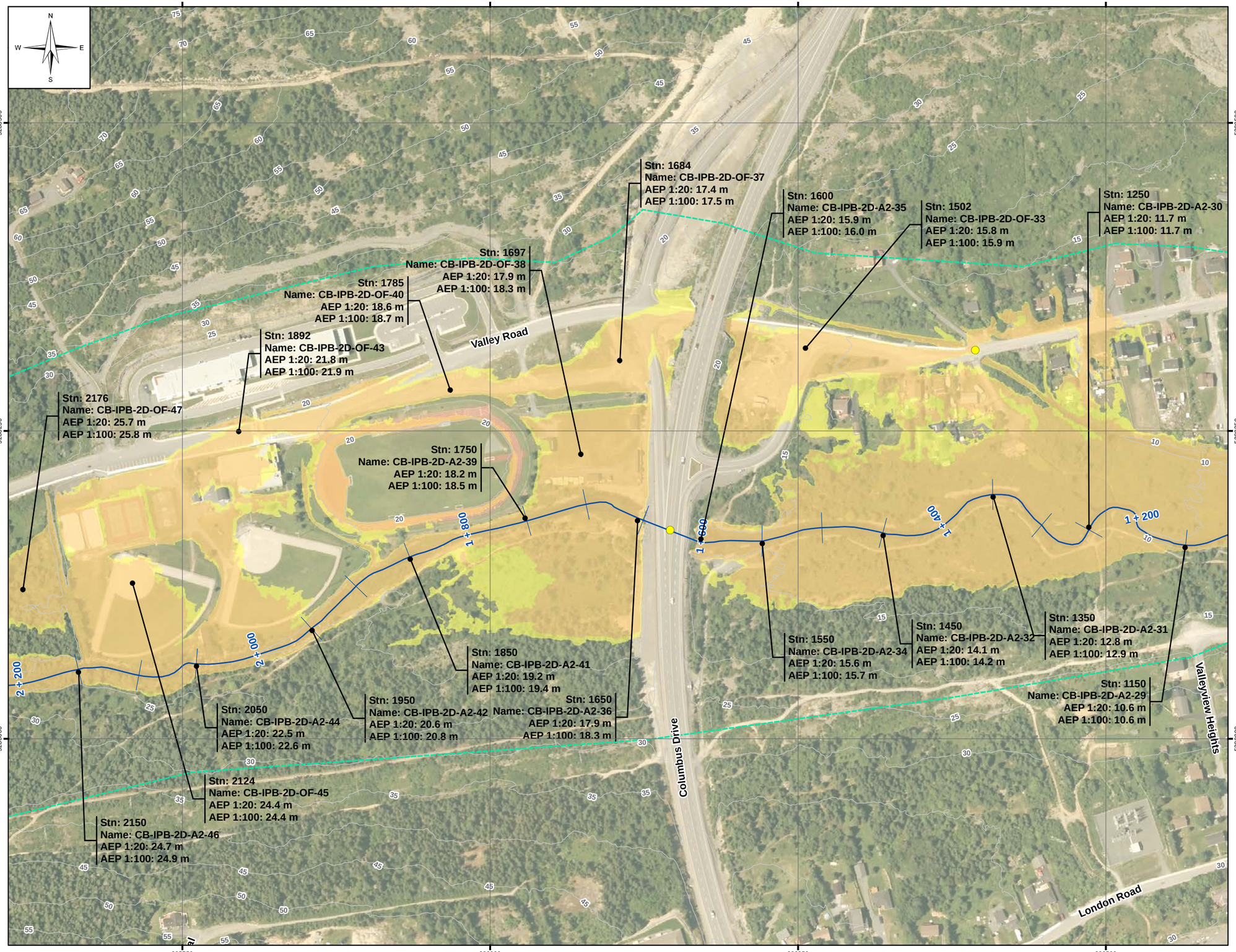

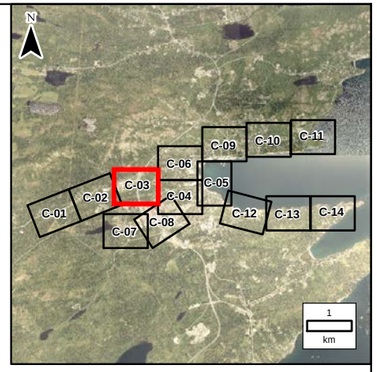

LEGEND:

- Stn: 494 (RAS: 494) Name: CB-LC-R1-28 AEP 1:20: 14.4 m AEP 1:100: 14.7 m — Cross Section
- Stn: 750 Name: CB-LC-2D-44 AEP 1:20: 17.7 m AEP 1:100: 17.9 m — 2D Annotation
- 1:20 Year Flood Zone
- 100 Year Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 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 RISK MAPPING STUDY FOR PLACENTIA, CARBONEAR, VICTORIA AND SALMON COVE

CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) AEP FLOOD ZONE - C-03

SEPTEMBER 2022 | FIGURE 2.2 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig2.2.mxd
11"x17" PLOT SCALE 1:1

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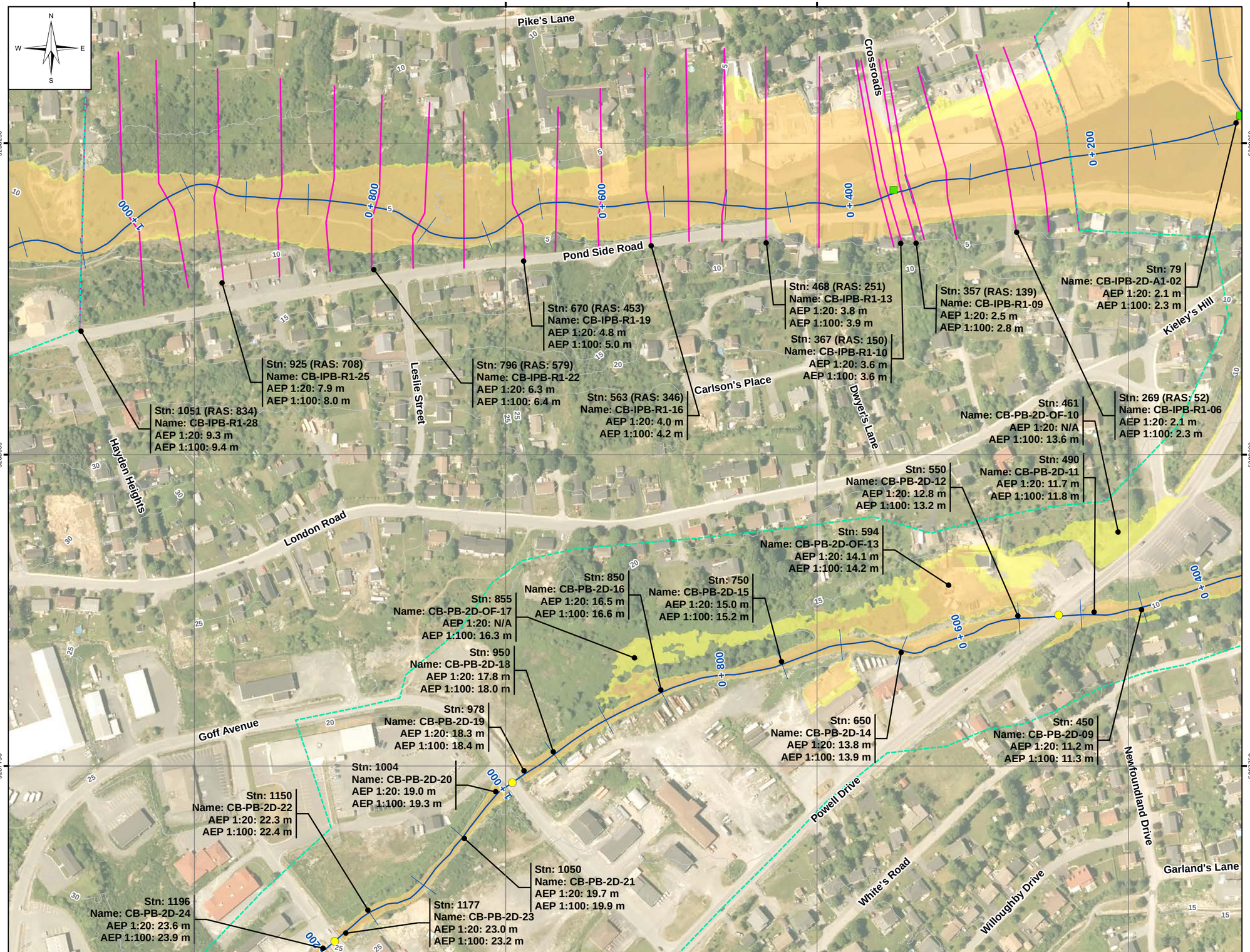

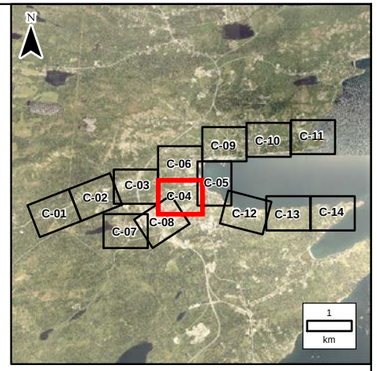

LEGEND:

- Stn: 494 (RAS: 494) Name: CB-LC-R1-28 AEP 1:20: 14.4 m AEP 1:100: 14.7 m — Cross Section
- Stn: 750 Name: CB-LC-2D-44 AEP 1:20: 17.7 m AEP 1:100: 17.9 m — 2D Annotation
- 1:20 Year Flood Zone
- 100 Year Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 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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CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) AEP FLOOD ZONE - C-04

SEPTEMBER 2022 | FIGURE 2.2 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig2.2.mxd
11"x17" PLOT SCALE 1:1

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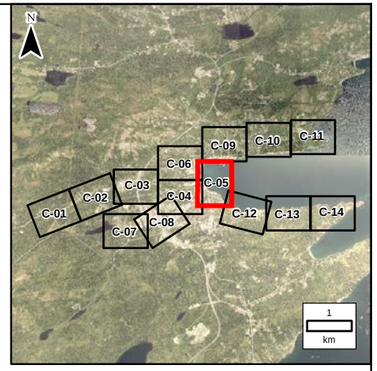

LEGEND:

- Stn: 494 (RAS: 494) Name: CB-LC-R1-28 AEP 1:20: 14.4 m AEP 1:100: 14.7 m — Cross Section
- Stn: 750 Name: CB-LC-2D-44 AEP 1:20: 17.7 m AEP 1:100: 17.9 m — 2D Annotation
- 1:20 Year Flood Zone
- 100 Year Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- Modelled Bridge
- Modelled Culvert

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4. Levels shown as N/A are dry.

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 RISK MAPPING STUDY FOR PLACENTIA, CARBONEAR, VICTORIA AND SALMON COVE

CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD)
AEP FLOOD ZONE - C-05

SEPTEMBER 2022 | FIGURE 2.2 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig2.2.mxd
11"x17" PLOT SCALE 1:1

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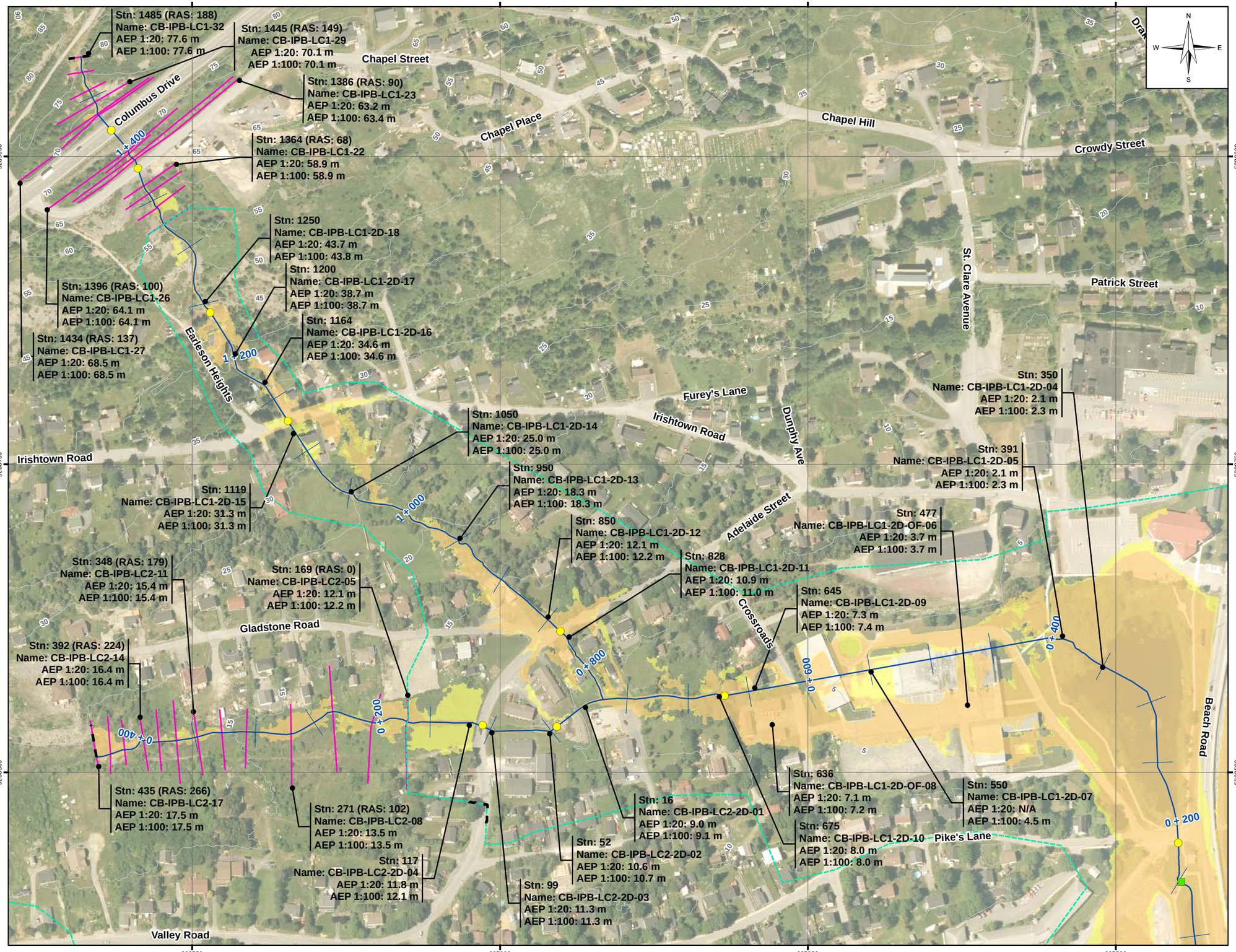

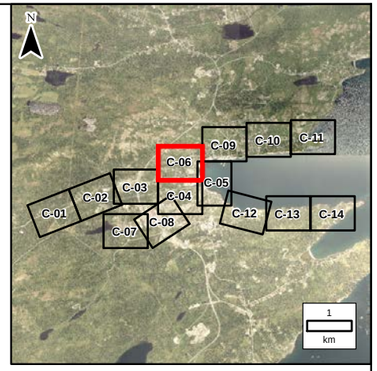

LEGEND:

- Stn: 494 (RAS: 494) Name: CB-LC-R1-28 AEP 1:20: 14.4 m AEP 1:100: 14.7 m — Cross Section
- Stn: 750 Name: CB-LC-2D-44 AEP 1:20: 17.7 m AEP 1:100: 17.9 m — 2D Annotation
- 1:20 Year Flood Zone
- 100 Year Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- Modelled Bridge
- Modelled Culvert

NOTES:

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4. Levels shown as N/A are dry.

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 RISK MAPPING STUDY FOR PLACENTIA, CARBONEAR, VICTORIA AND SALMON COVE

CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) AEP FLOOD ZONE - C-06

SEPTEMBER 2022 | FIGURE 2.2 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig2.2.mxd
11"x17" PLOT SCALE 1:1

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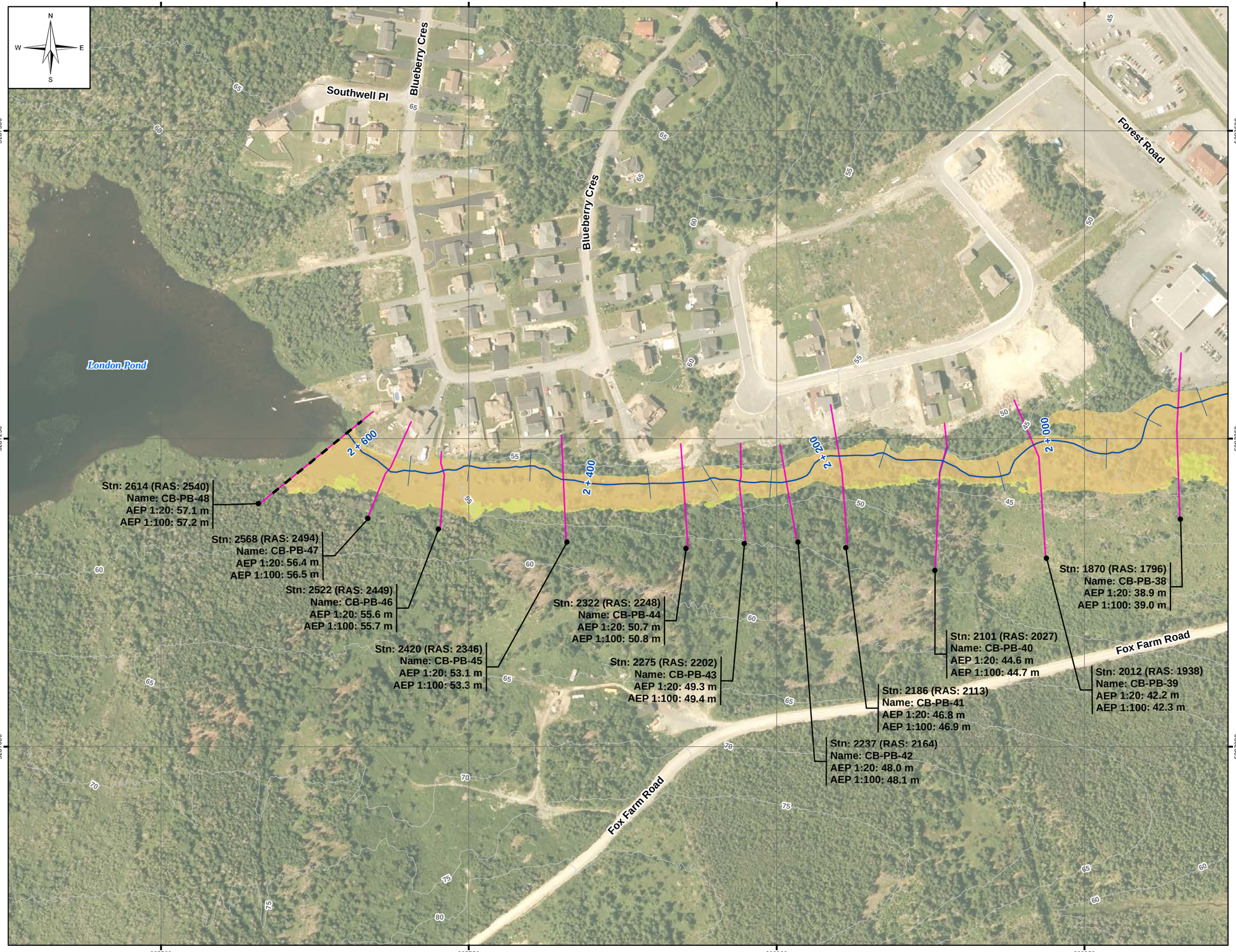

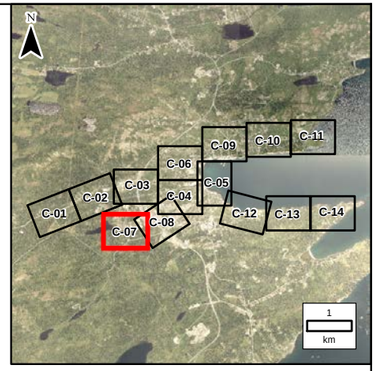

LEGEND:

- Stn: 494 (RAS: 494) Name: CB-LC-R1-28 AEP 1:20: 14.4 m AEP 1:100: 14.7 m — Cross Section
- Stn: 750 Name: CB-LC-2D-44 AEP 1:20: 17.7 m AEP 1:100: 17.9 m — 2D Annotation
- 1:20 Year Flood Zone
- 100 Year Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 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 RISK MAPPING STUDY FOR PLACENTIA, CARBONEAR, VICTORIA AND SALMON COVE

CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD)
AEP FLOOD ZONE - C-07

SEPTEMBER 2022 | FIGURE 2.2 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig2.2.mxd
11"x17" PLOT SCALE 1:1

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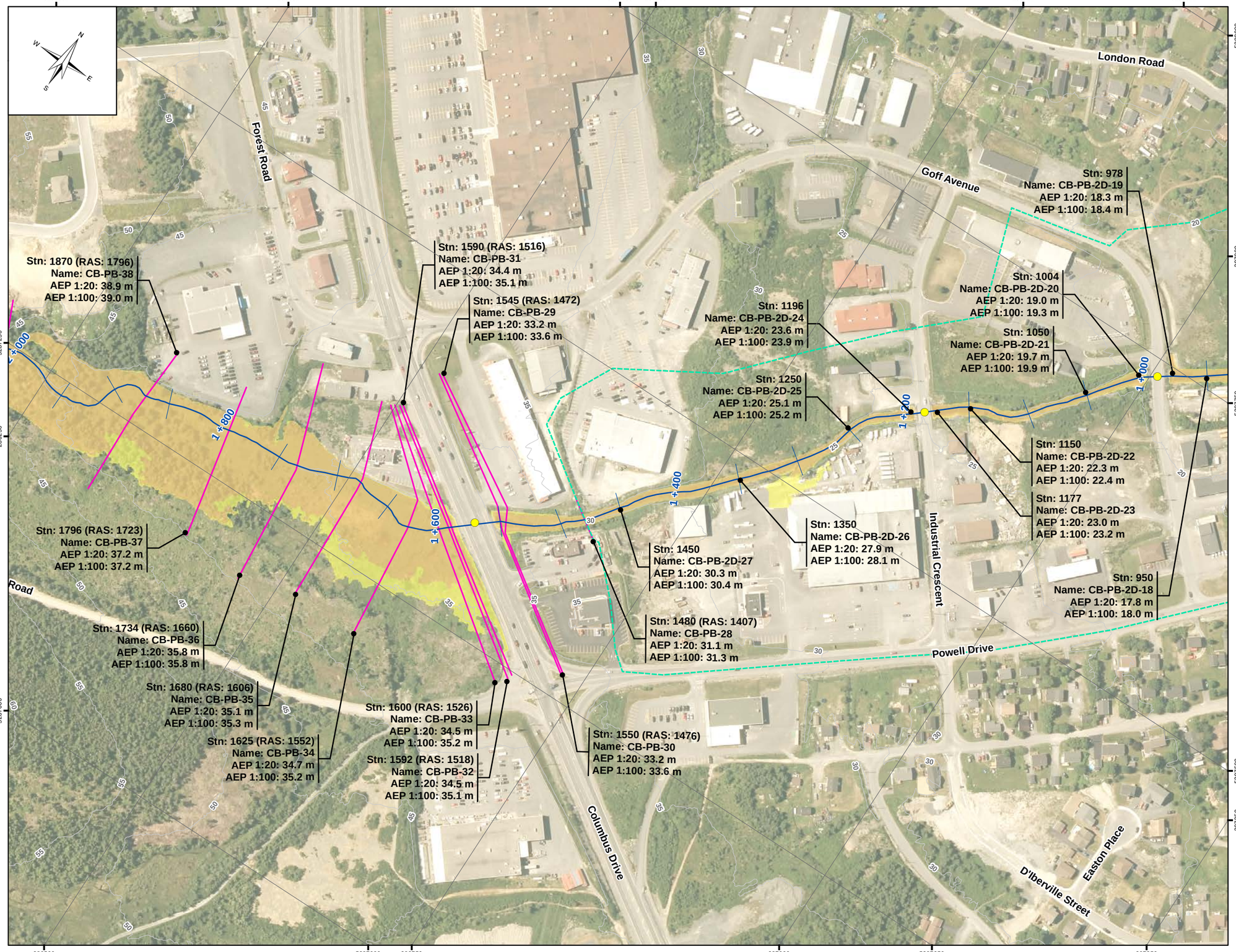

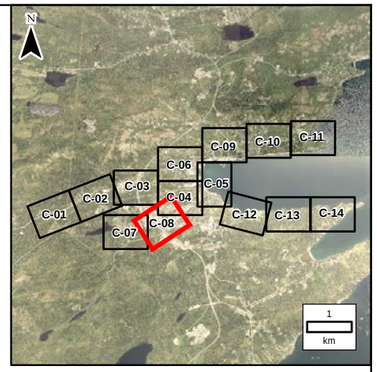

LEGEND:

- Stn: 494 (RAS: 494) Name: CB-LC-R1-28 AEP 1:20: 14.4 m AEP 1:100: 14.7 m — Cross Section
- Stn: 750 Name: CB-LC-2D-44 AEP 1:20: 17.7 m AEP 1:100: 17.9 m — 2D Annotation
- 1:20 Year Flood Zone
- 100 Year Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- Modelled Bridge
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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 RISK MAPPING STUDY FOR PLACENTIA, CARBONEAR, VICTORIA AND SALMON COVE

CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) AEP FLOOD ZONE - C-08

SEPTEMBER 2022 | FIGURE 2.2 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig2.2.mxd
11"x17" PLOT SCALE 1:1

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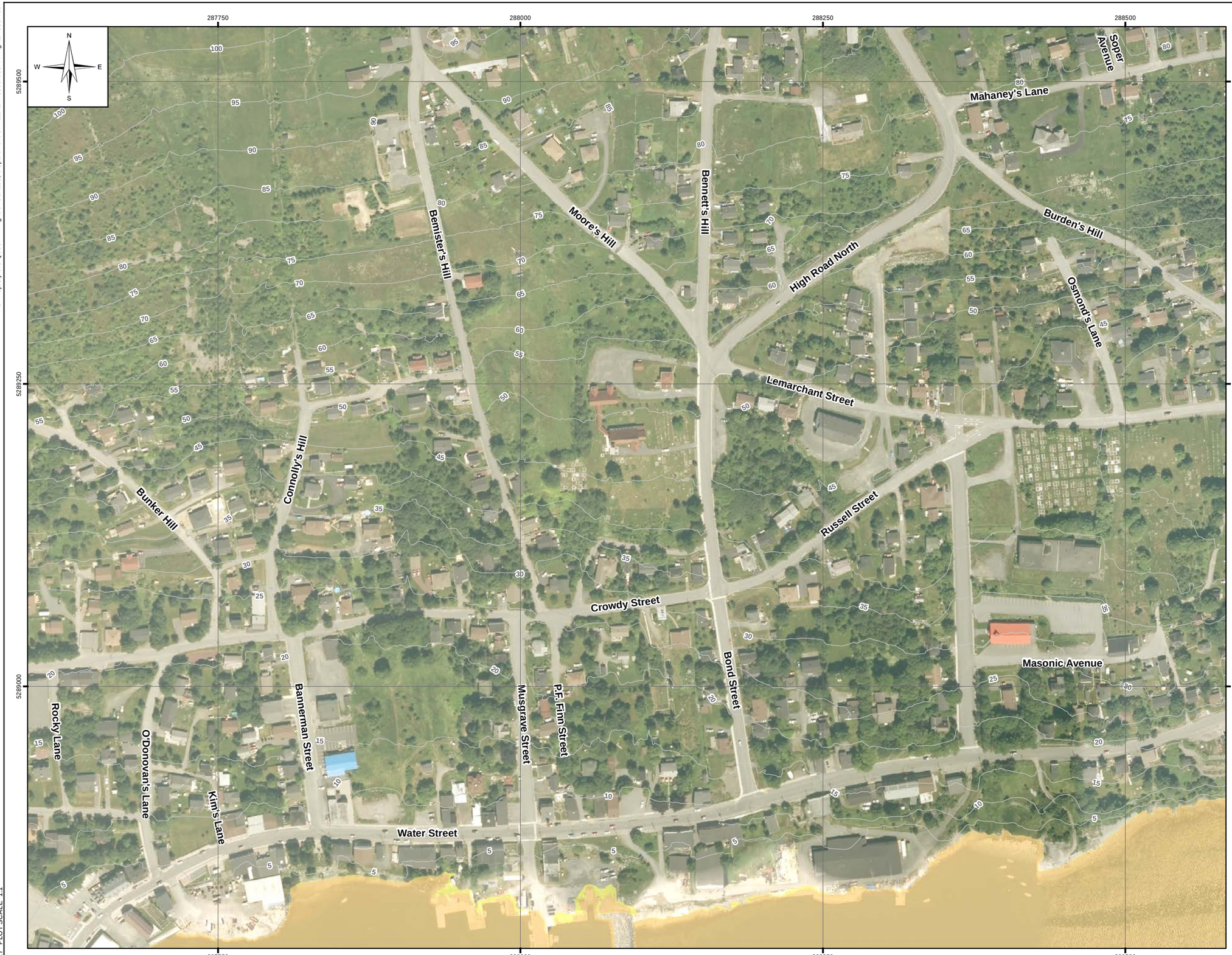

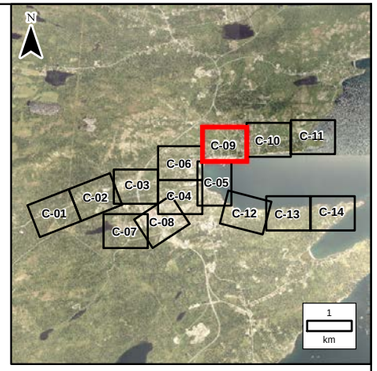

LEGEND:

- Stn: 494 (RAS: 494) Name: CB-LC-R1-28 AEP 1:20: 14.4 m AEP 1:100: 14.7 m — Cross Section
- Stn: 750 Name: CB-LC-2D-44 AEP 1:20: 17.7 m AEP 1:100: 17.9 m — 2D Annotation
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- River/Creek Centreline
- 5 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 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)
3. Annotation not shown for all cross sections for clarity.
4. Levels shown as N/A are dry.

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 RISK MAPPING STUDY FOR PLACENTIA, CARBONEAR, VICTORIA AND SALMON COVE

CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) AEP FLOOD ZONE - C-09

SEPTEMBER 2022 | FIGURE 2.2 | REV.: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig2.2.mxd
11"x17" PLOT SCALE 1:1

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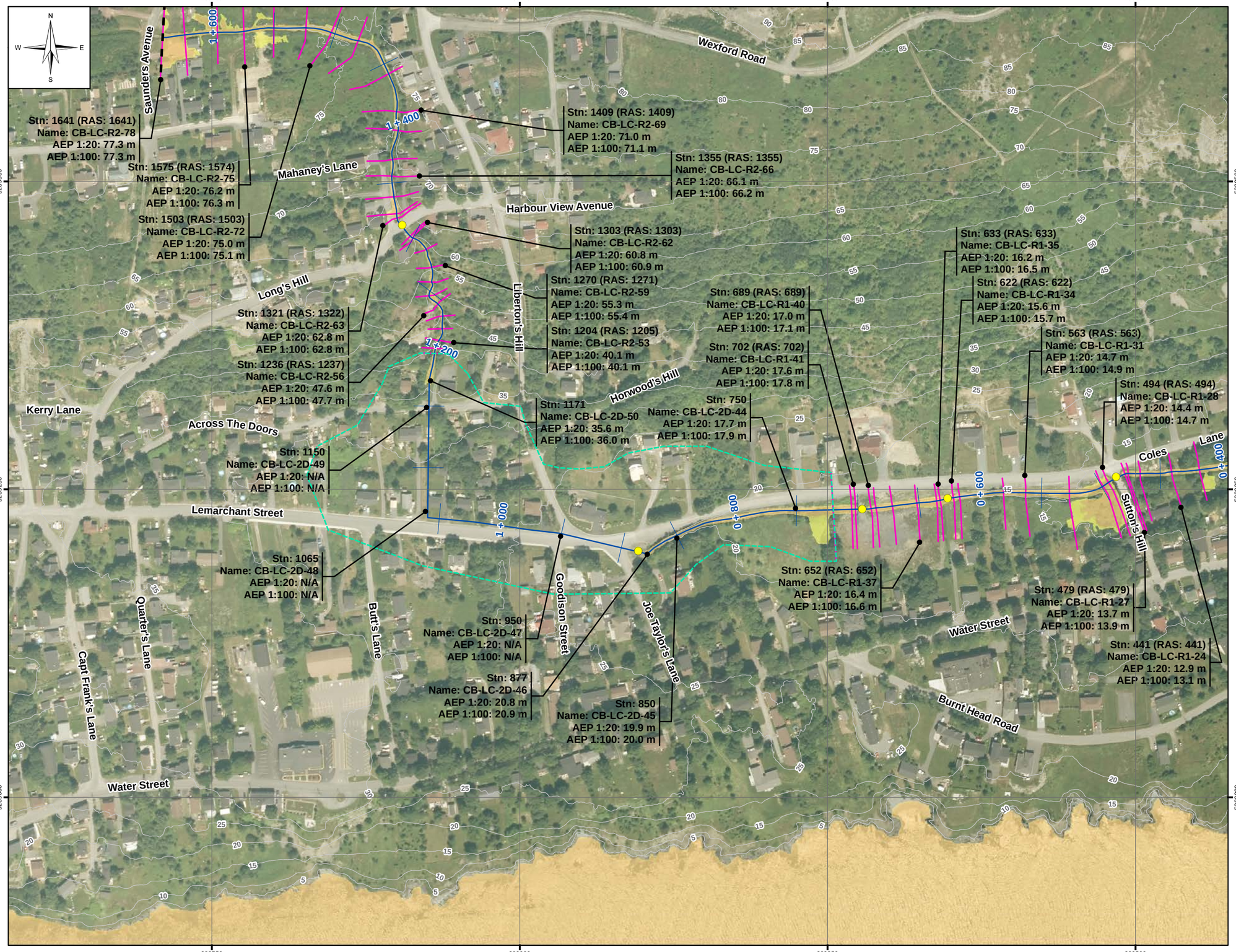

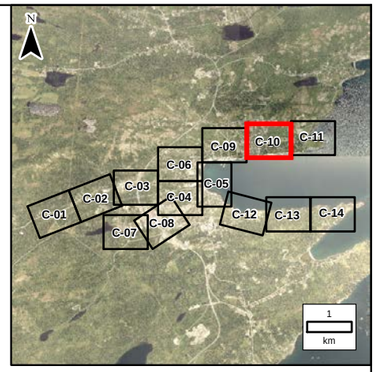

LEGEND:

- Stn: 494 (RAS: 494) Name: CB-LC-R1-28 AEP 1:20: 14.4 m AEP 1:100: 14.7 m — Cross Section
- Stn: 750 Name: CB-LC-2D-44 AEP 1:20: 17.7 m AEP 1:100: 17.9 m — 2D Annotation
- 1:20 Year Flood Zone
- 100 Year Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- Modelled Bridge
- Modelled Culvert

NOTES:

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3. Annotation not shown for all cross sections for clarity.
4. Levels shown as N/A are dry.

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 RISK MAPPING STUDY FOR PLACENTIA, CARBONEAR, VICTORIA AND SALMON COVE

CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) AEP FLOOD ZONE - C-10

SEPTEMBER 2022 | FIGURE 2.2 | REV.: 0

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11"x17" PLOT SCALE 1:1

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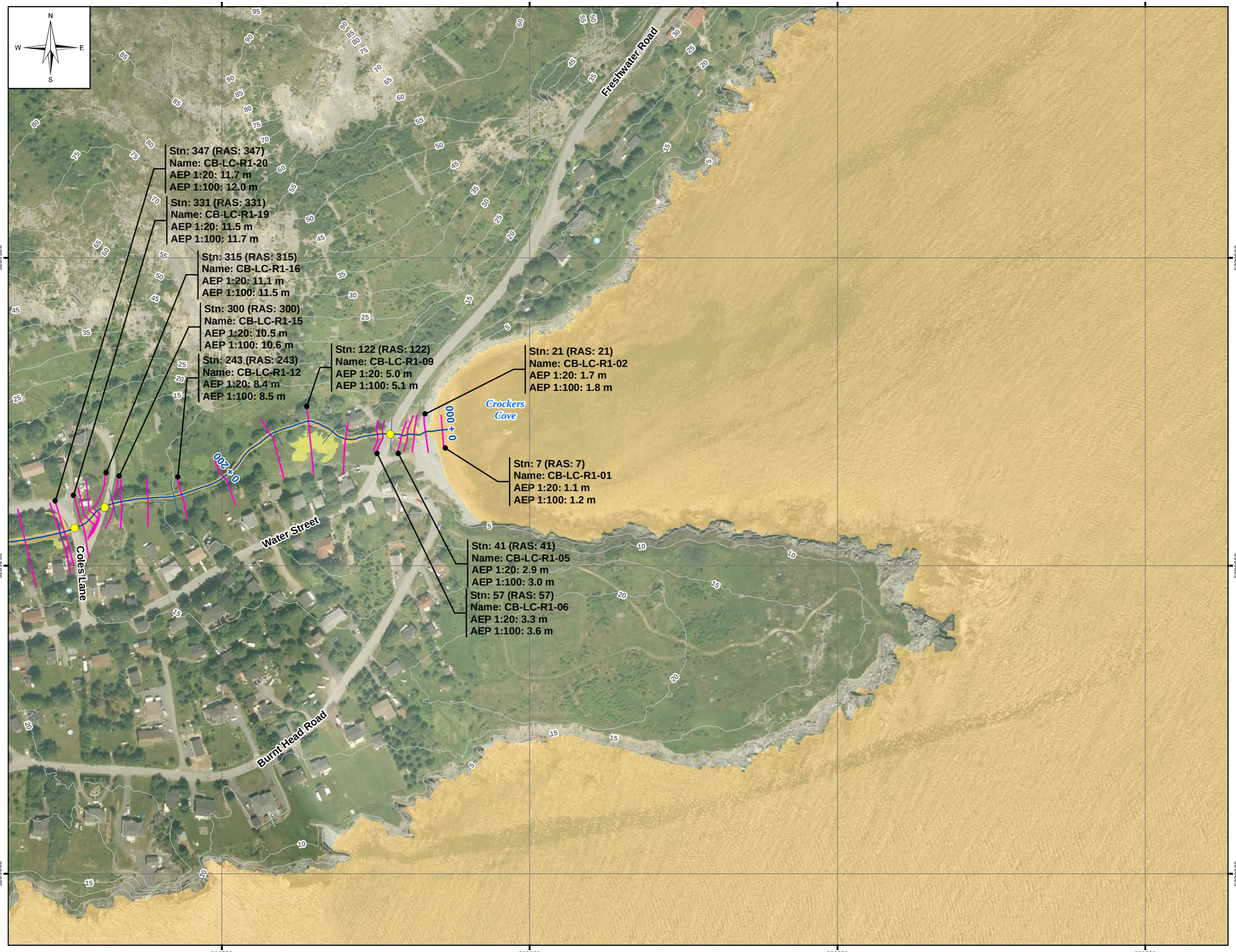

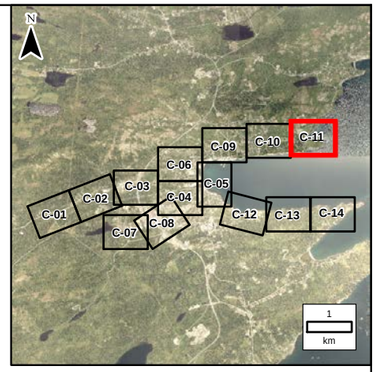

LEGEND:

- Stn: 494 (RAS: 494) Name: CB-LC-R1-28 AEP 1:20: 14.4 m AEP 1:100: 14.7 m — Cross Section
- Stn: 750 Name: CB-LC-2D-44 AEP 1:20: 17.7 m AEP 1:100: 17.9 m — 2D Annotation
- 1:20 Year Flood Zone
- 100 Year Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 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 RISK MAPPING STUDY FOR PLACENTIA, CARBONEAR, VICTORIA AND SALMON COVE

CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) AEP FLOOD ZONE - C-11

SEPTEMBER 2022 | FIGURE 2.2 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig2.2.mxd
11"x17" PLOT SCALE 1:1

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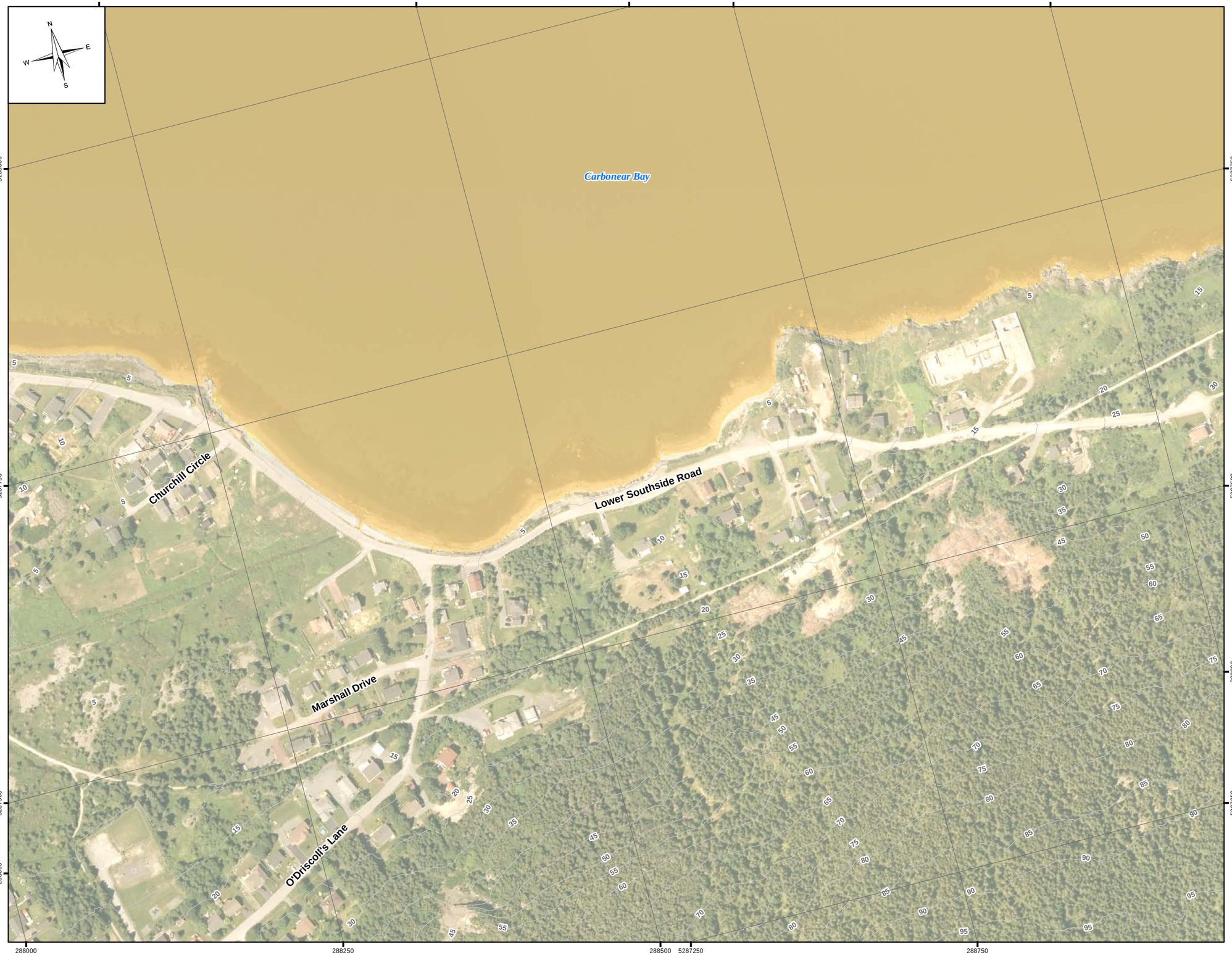

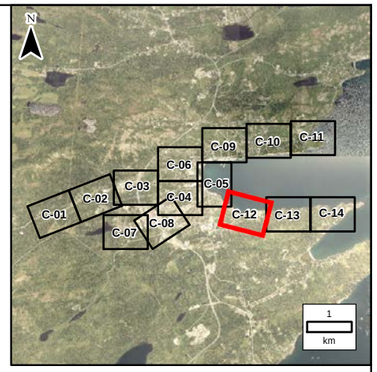

LEGEND:

- Stn: 494 (RAS: 494) Name: CB-LC-R1-28 AEP 1:20: 14.4 m AEP 1:100: 14.7 m — Cross Section
- Stn: 750 Name: CB-LC-2D-44 AEP 1:20: 17.7 m AEP 1:100: 17.9 m — 2D Annotation
- 1:20 Year Flood Zone
- 100 Year Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 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 RISK MAPPING STUDY FOR PLACENTIA, CARBONEAR, VICTORIA AND SALMON COVE

CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) AEP FLOOD ZONE - C-12

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FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig2.2.mxd
11"x17" PLOT SCALE 1:1

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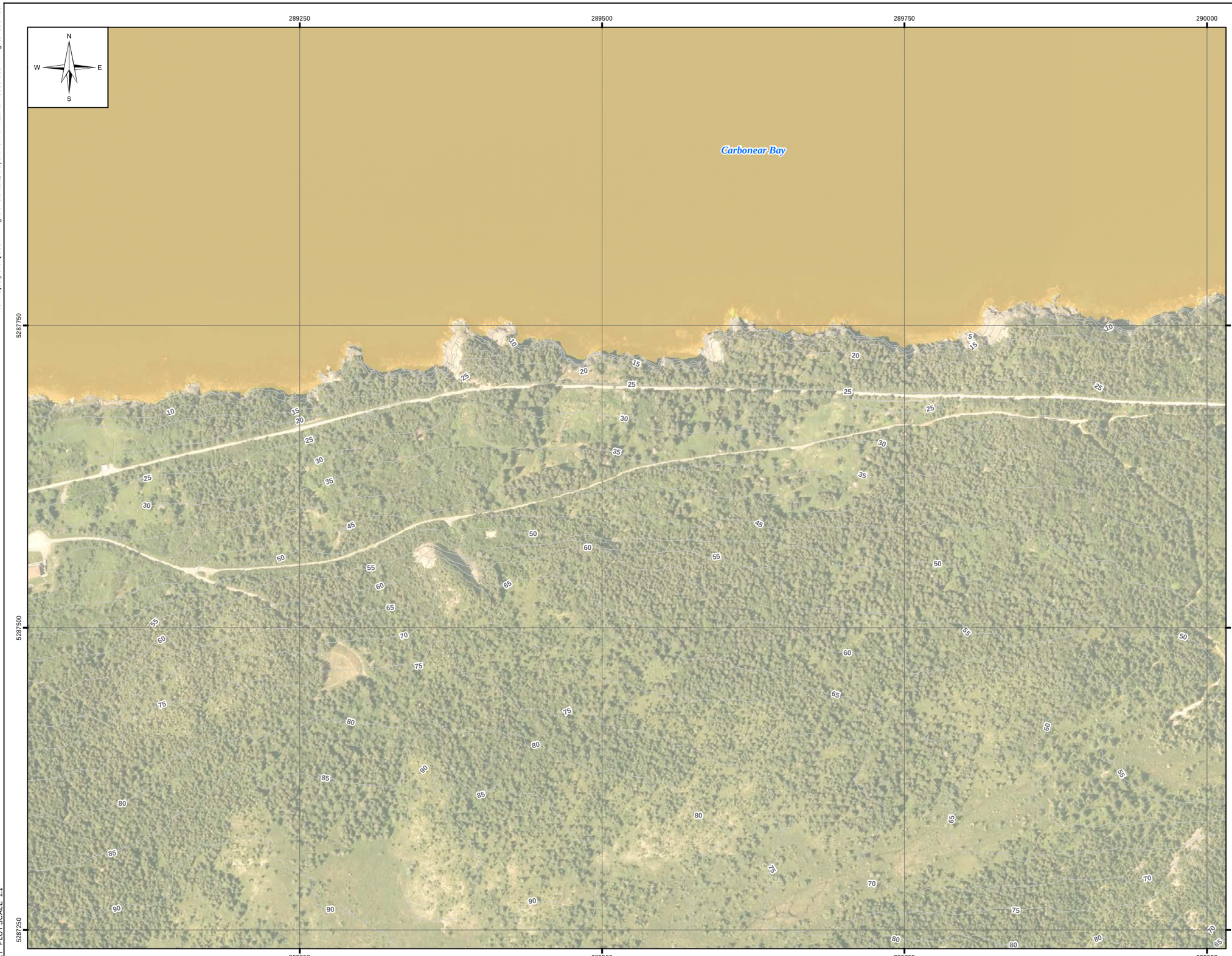

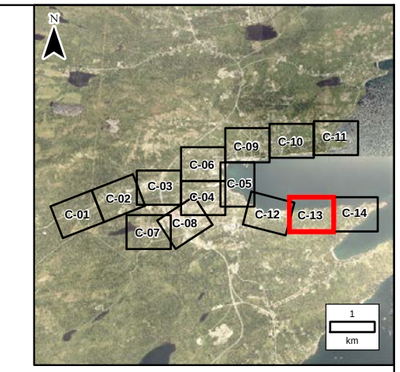

LEGEND:

- Stn: 494 (RAS: 494) Name: CB-LC-R1-28 AEP 1:20: 14.4 m AEP 1:100: 14.7 m — Cross Section
- Stn: 750 Name: CB-LC-2D-44 AEP 1:20: 17.7 m AEP 1:100: 17.9 m — 2D Annotation
- 1:20 Year Flood Zone
- 100 Year Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 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 RISK MAPPING STUDY FOR PLACENTIA, CARBONEAR, VICTORIA AND SALMON COVE

CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD)
AEP FLOOD ZONE - C-13

SEPTEMBER 2022 | FIGURE 2.2 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig2.2.mxd
11"x17" PLOT SCALE 1:1

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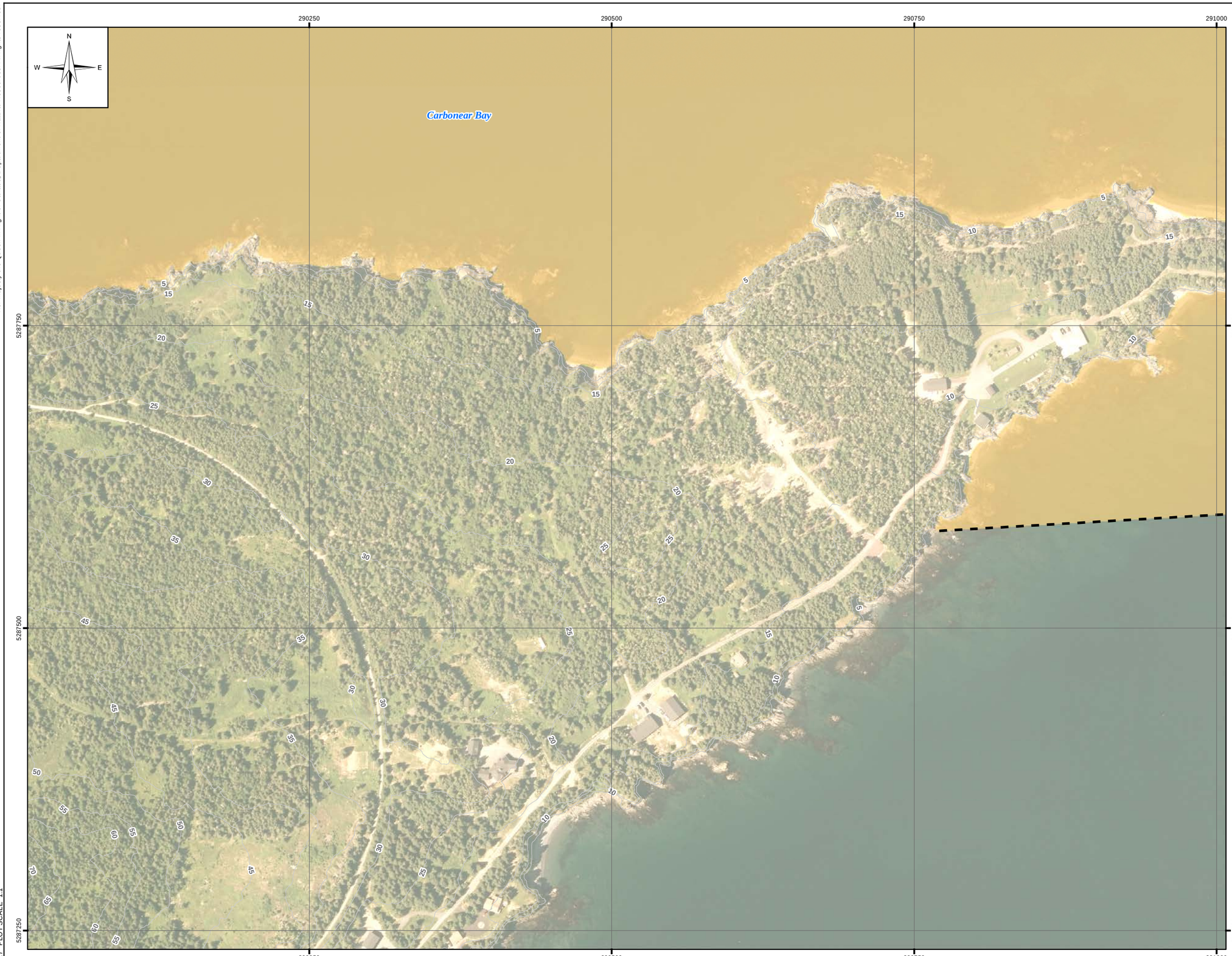

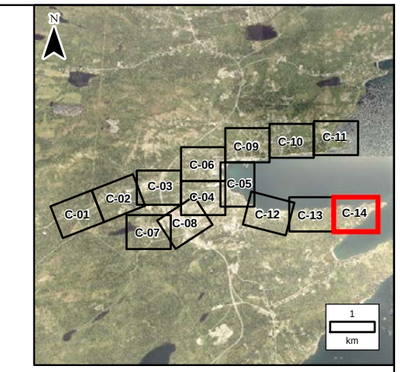

LEGEND:

- Stn: 494 (RAS: 494) Name: CB-LC-R1-28 AEP 1:20: 14.4 m AEP 1:100: 14.7 m — Cross Section
- Stn: 750 Name: CB-LC-2D-44 AEP 1:20: 17.7 m AEP 1:100: 17.9 m — 2D Annotation
- 1:20 Year Flood Zone
- 100 Year Flood Zone
- River/Creek Centreline
- 5 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
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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 RISK MAPPING STUDY FOR PLACENTIA, CARBONEAR, VICTORIA AND SALMON COVE

CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD)
AEP FLOOD ZONE - C-14

SEPTEMBER 2022 | FIGURE 2.2 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig2.2.mxd
11"x17" PLOT SCALE 1:1