APPENDIX Q

Flood Depth, Velocity and Hazard Overview Maps

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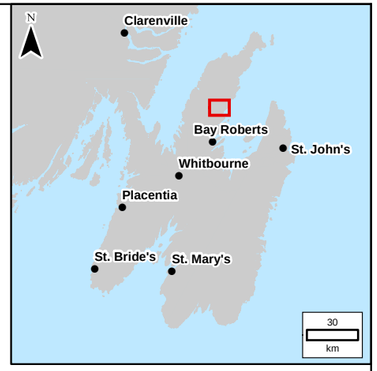

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Municipal Boundary

Water Depth (m)

- 0.0 - 0.5 m
- 0.5 - 1.0 m
- 1.0 - 1.5 m
- 1.5 - 2.0 m
- > 2.0 m

NOTES:
1. Imagery is supplied by ESRI/Maxar, dated 2020.

250 0 250 500 750 1,000
Metres

SCALE: 1:35,000 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)
1:20 YEAR INUNDATION DEPTH

SEPTEMBER 2022 | FIGURE 1.3 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig1.3.mxd
11"x17" PLOT SCALE 1:1

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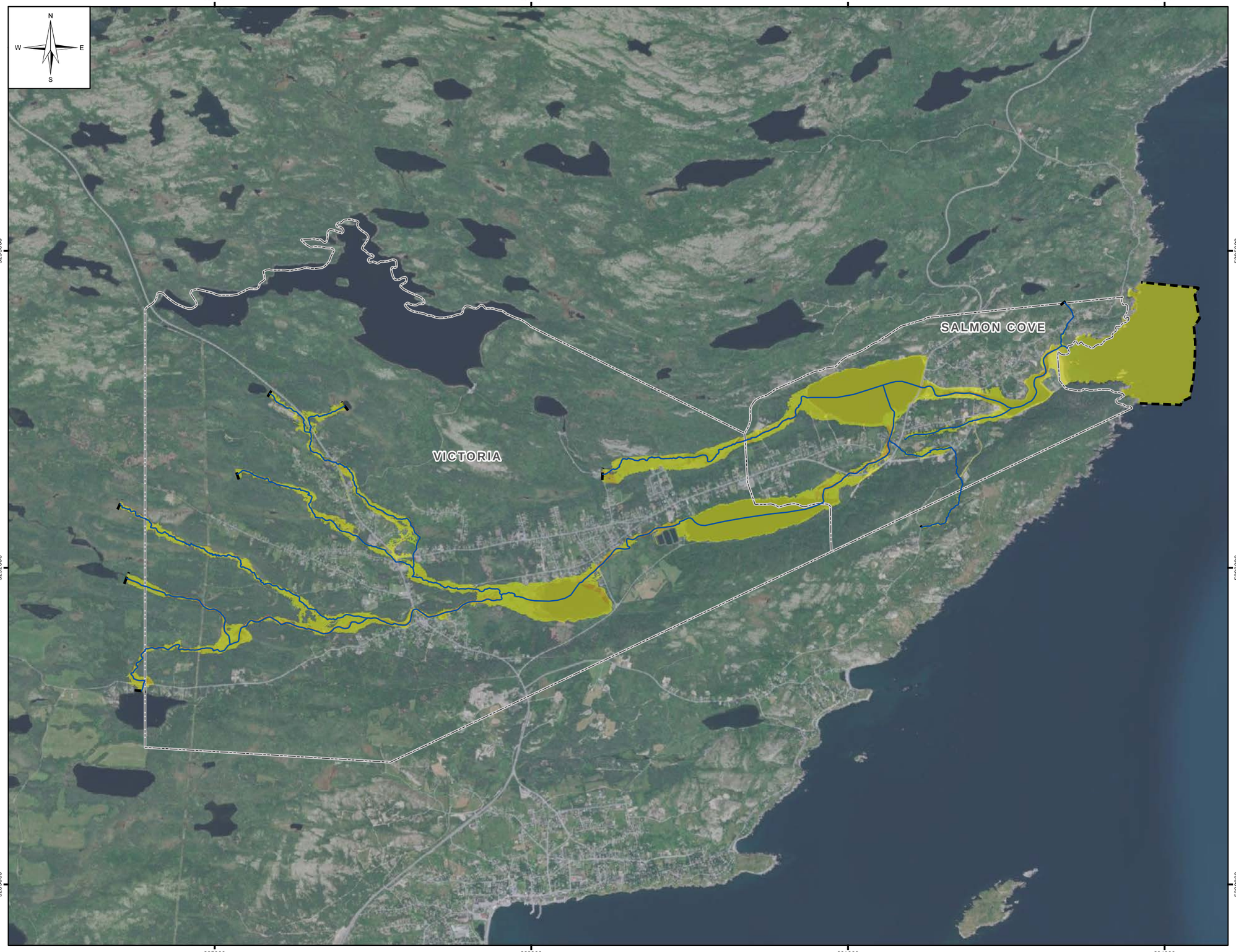

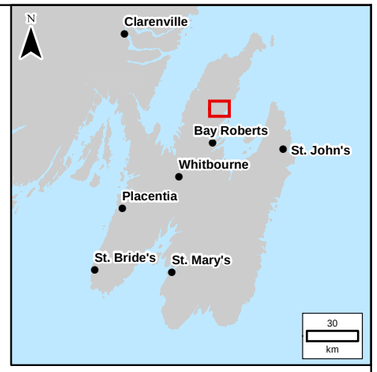

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Municipal Boundary

Velocity (m/s)

- 0.0 - 1.0 m/s
- 1.0 - 2.0 m/s
- 2.0 - 3.0 m/s
- 3.0 - 4.0 m/s
- 4.0 - 5.0 m/s
- > 5.0 m/s

NOTES:
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250 0 250 500 750 1,000
Metres

SCALE: 1:35,000 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) 1:20 YEAR VELOCITY DISTRIBUTION

SEPTEMBER 2022 | FIGURE 1.4 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig1.4.mxd
11"x17" PLOT SCALE 1:1

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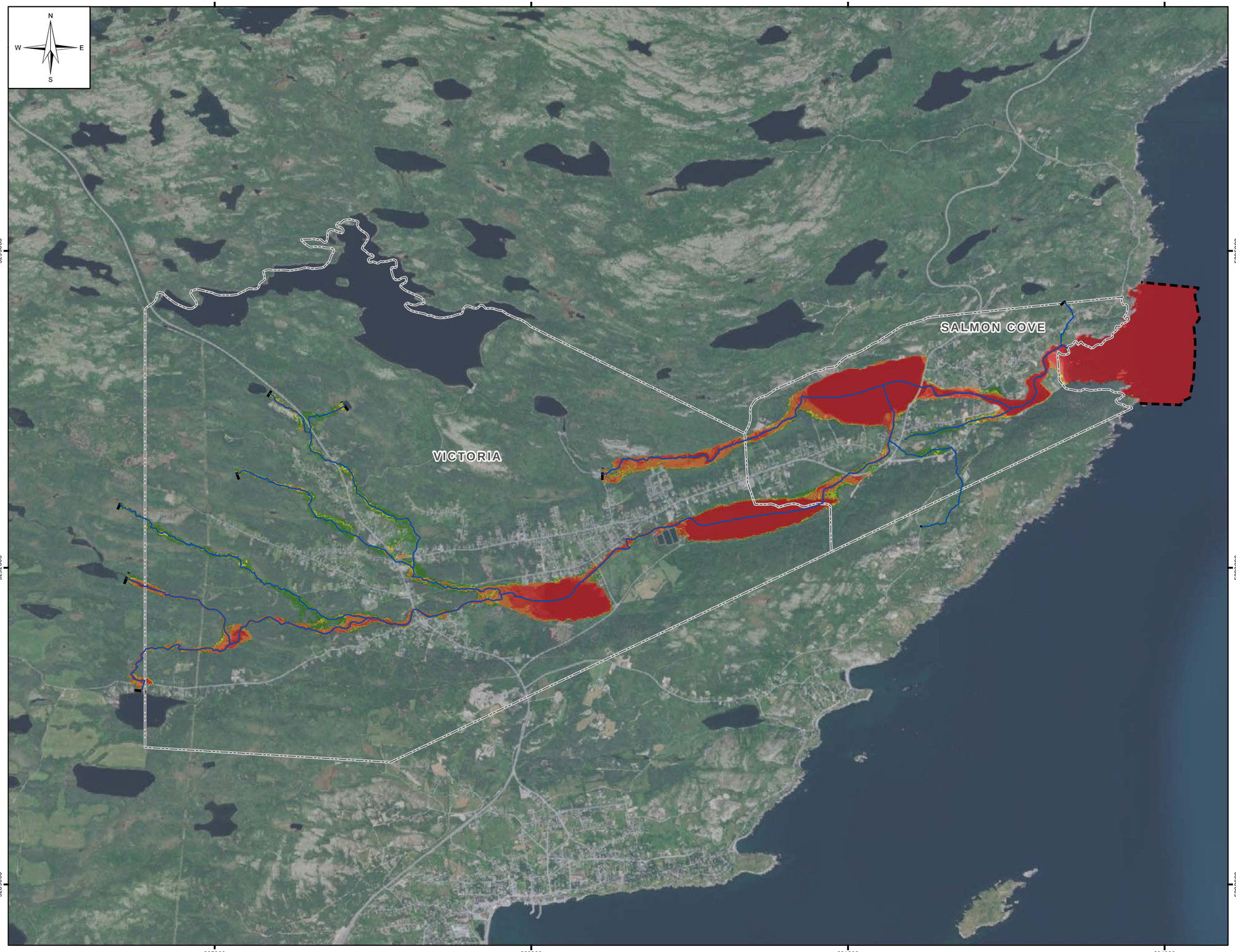

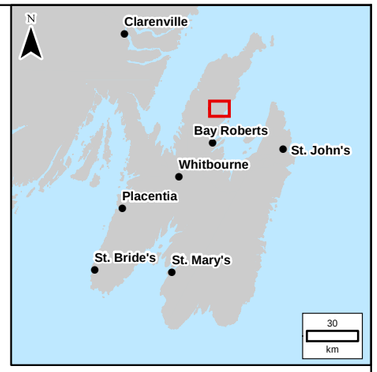

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Municipal Boundary
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

NOTES:
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250 0 250 500 750 1,000
Metres

SCALE: 1:35,000 METRIC 11"x17"

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CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) 1:20 YEAR FLOOD HAZARD

SEPTEMBER 2022 | FIGURE 1.5 | REV: 0

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11"x17" PLOT SCALE 1:1

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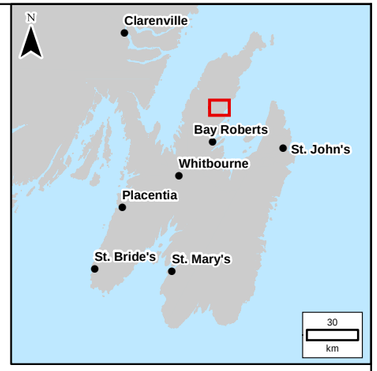

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Municipal Boundary

Depth (m)

- 0.0 - 0.5 m
- 0.5 - 1.0 m
- 1.0 - 1.5 m
- 1.5 - 2.0 m
- > 2.0 m

NOTES:
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250 0 250 500 750 1,000
Metres

SCALE: 1:35,000 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)
1:100 YEAR INUNDATION DEPTH

SEPTEMBER 2022 | FIGURE 1.6 | REV: 0

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11"x17" PLOT SCALE 1:1

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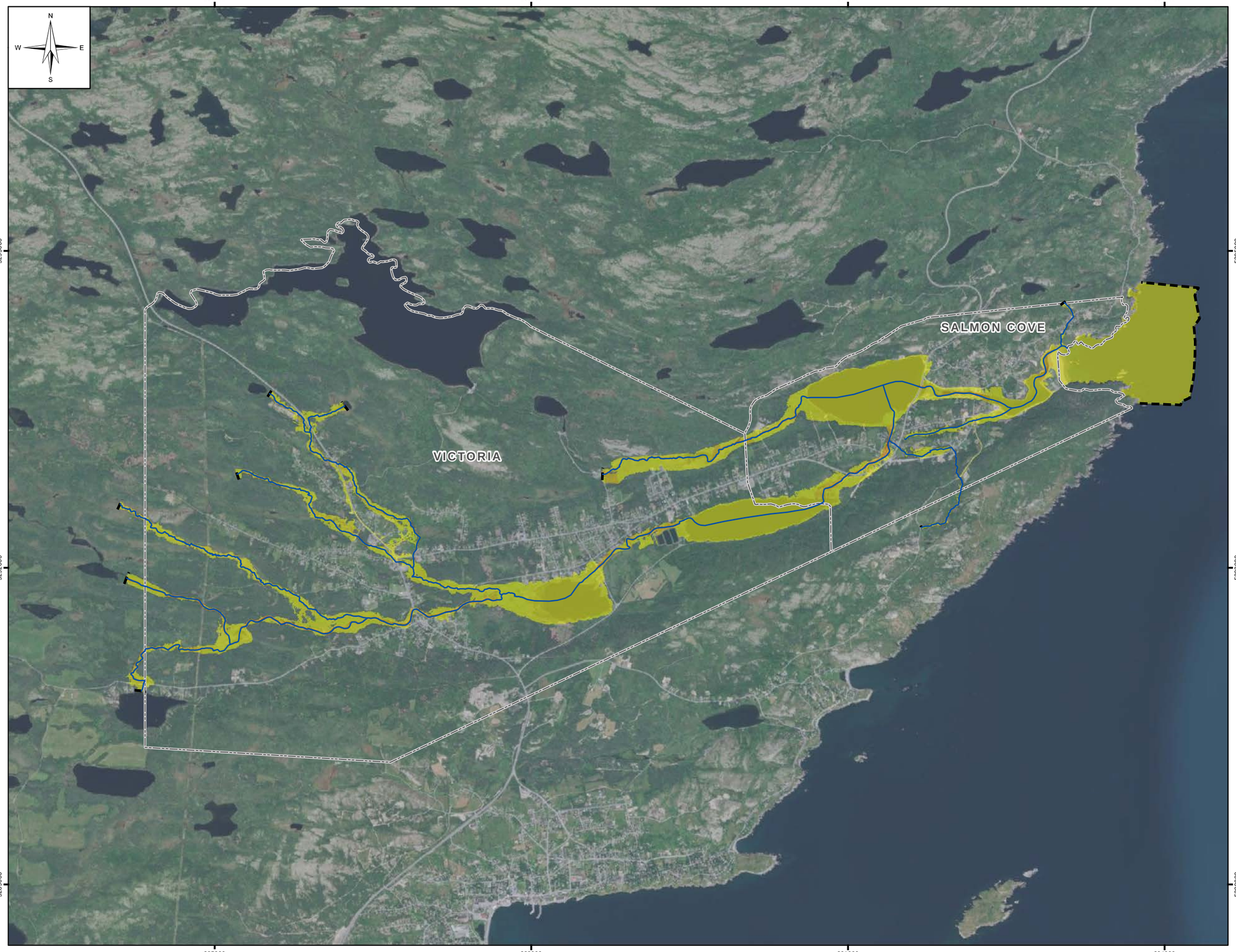

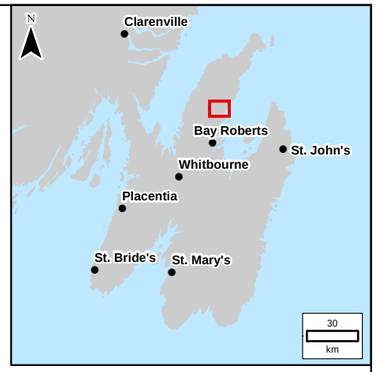

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Municipal Boundary

Velocity (m/s)

- 0.0 - 1.0 m/s
- 1.0 - 2.0 m/s
- 2.0 - 3.0 m/s
- 3.0 - 4.0 m/s
- 4.0 - 5.0 m/s
- > 5.0 m/s

NOTES:
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250 0 250 500 750 1,000
Metres

SCALE: 1:35,000 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) 1:100 YEAR VELOCITY DISTRIBUTION

SEPTEMBER 2022 | FIGURE 1.7 | REV.: 0

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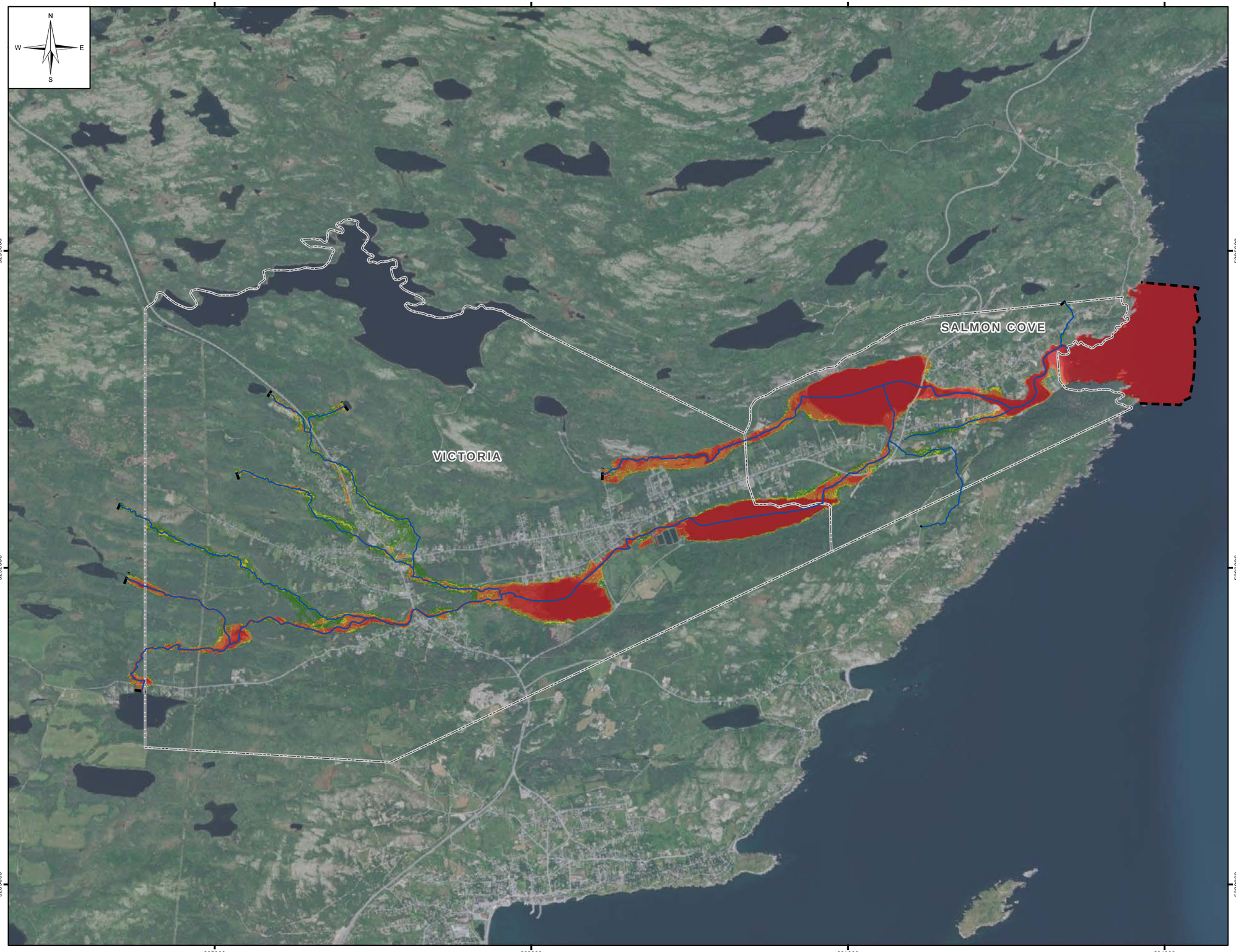

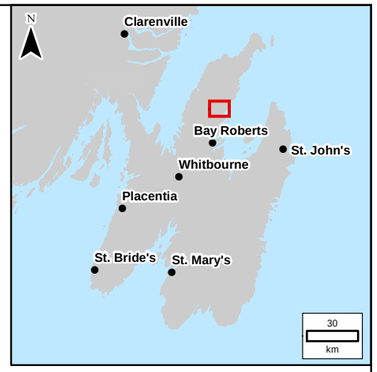

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Municipal Boundary
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
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NOTES:
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250 0 250 500 750 1,000
Metres

SCALE: 1:35,000 METRIC 11"x17"

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CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) 1:100 YEAR FLOOD HAZARD

SEPTEMBER 2022 | FIGURE 1.8 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig1.8.mxd
11"x17" PLOT SCALE 1:1

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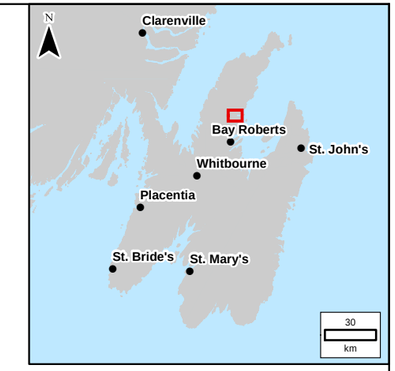

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Municipal Boundary

Depth (m)

- 0.0 - 0.5 m
- 0.5 - 1.0 m
- 1.0 - 1.5 m
- 1.5 - 2.0 m
- > 2.0 m

NOTES:
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250 0 250 500 750 1,000
Metres

SCALE: 1:25,000 METRIC 11"x17"

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CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) 1:20 YEAR INUNDATION DEPTH

SEPTEMBER 2022 | FIGURE 2.3 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig2.3.mxd
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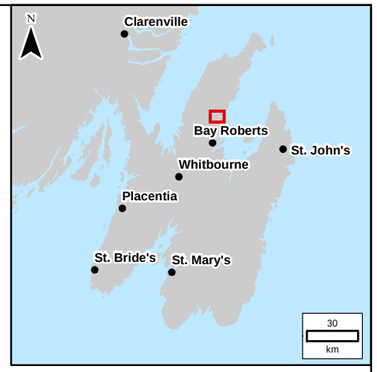

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Municipal Boundary

Velocity (m/s)

- 0.0 - 1.0 m/s
- 1.0 - 2.0 m/s
- 2.0 - 3.0 m/s
- 3.0 - 4.0 m/s
- 4.0 - 5.0 m/s
- > 5.0 m/s

NOTES:
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250 0 250 500 750 1,000
Metres

SCALE: 1:25,000 METRIC 11"x17"

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CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) 1:20 YEAR VELOCITY DISTRIBUTION

SEPTEMBER 2022 | FIGURE 2.4 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig2.4.mxd
11"x17" PLOT SCALE 1:1

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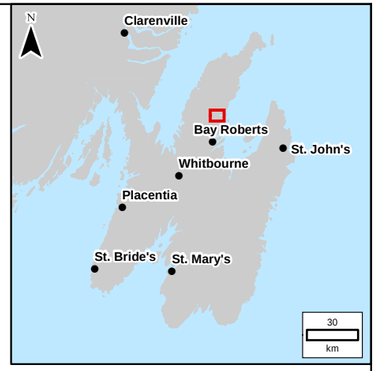

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Municipal Boundary
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Dange for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

NOTES:
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250 0 250 500 750 1,000
Metres

SCALE: 1:25,000 METRIC 11"x17"

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CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) 1:20 YEAR FLOOD HAZARD

SEPTEMBER 2022 | FIGURE 2.5 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig2.5.mxd
11"x17" PLOT SCALE 1:1

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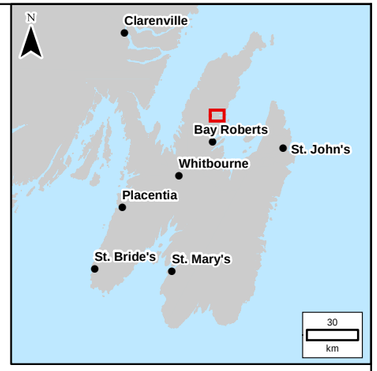

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Municipal Boundary

Depth (m)

- 0.0 - 0.5 m
- 0.5 - 1.0 m
- 1.0 - 1.5 m
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250 0 250 500 750 1,000
Metres

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CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) 1:100 YEAR INUNDATION DEPTH

SEPTEMBER 2022 | FIGURE 2.6 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig2.6.mxd
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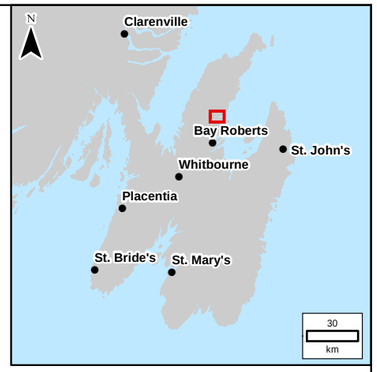

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Municipal Boundary

Velocity (m/s)

- 0.0 - 1.0 m/s
- 1.0 - 2.0 m/s
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- 3.0 - 4.0 m/s
- 4.0 - 5.0 m/s
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250 0 250 500 750 1,000
Metres

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SEPTEMBER 2022 | FIGURE 2.7 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig2.7.mxd
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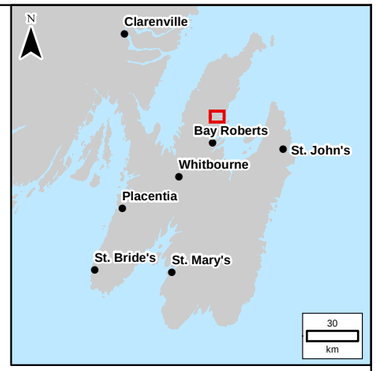

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Municipal Boundary
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250 0 250 500 750 1,000
Metres

SCALE: 1:25,000 METRIC 11"x17"

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CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD) 1:100 YEAR FLOOD HAZARD

SEPTEMBER 2022 | FIGURE 2.8 | REV: 0

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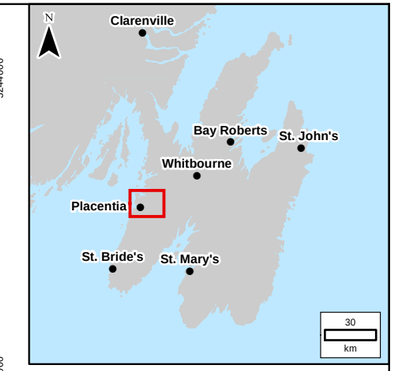

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Municipal Boundary

Depth (m)

- 0.0 - 0.5 m
- 0.5 - 1.0 m
- 1.0 - 1.5 m
- 1.5 - 2.0 m
- > 2.0 m

NOTES:
1. Imagery is supplied by ESRI/Maxar, dated 2020.

0.5 0 0.5 1 1.5 2
Kilometres

SCALE: 1:60,000 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

CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR PLACENTIA, CARBONEAR, VICTORIA AND SALMON COVE

CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD)
1:20 YEAR INUNDATION DEPTH

SEPTEMBER 2022 | FIGURE 3.3 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig3.3.mxd
11"x17" PLOT SCALE 1:1

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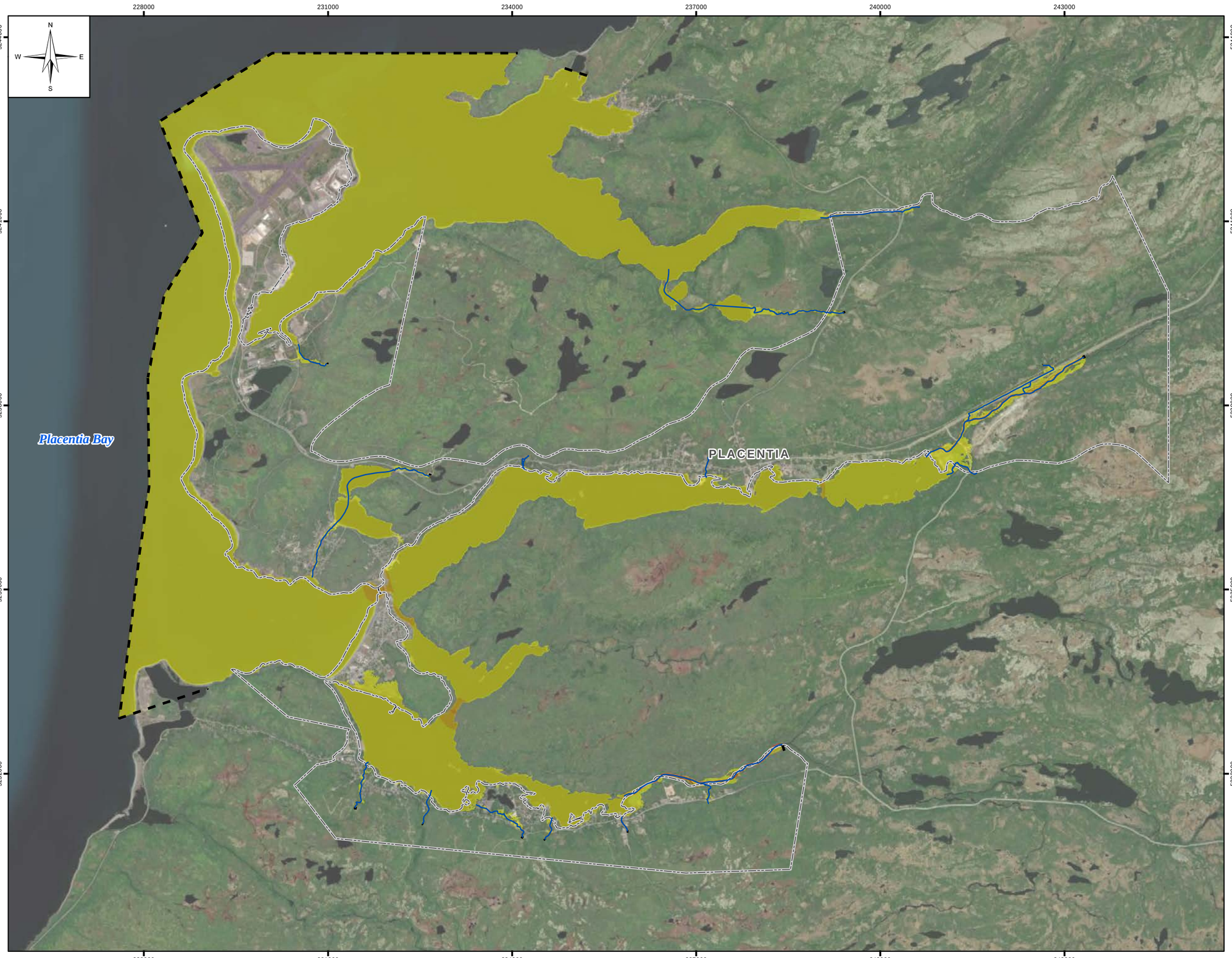

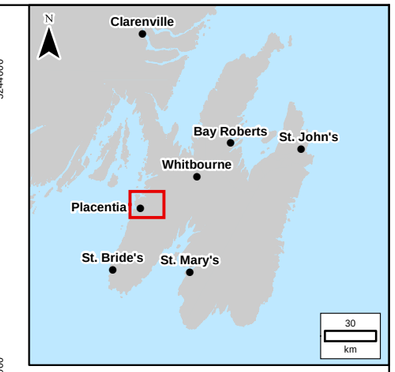

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Municipal Boundary

Velocity (m/s)

- 0.0 - 1.0 m/s
- 1.0 - 2.0 m/s
- 2.0 - 3.0 m/s
- 3.0 - 4.0 m/s
- 4.0 - 5.0 m/s
- > 5.0 m/s

NOTES:
1. Imagery is supplied by ESRI/Maxar, dated 2020.

0.5 0 0.5 1 1.5 2
Kilometres

SCALE: 1:60,000 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) 1:20 YEAR VELOCITY DISTRIBUTION

SEPTEMBER 2022 | FIGURE 3.4 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig3.4.mxd
11"x17" PLOT SCALE 1:1

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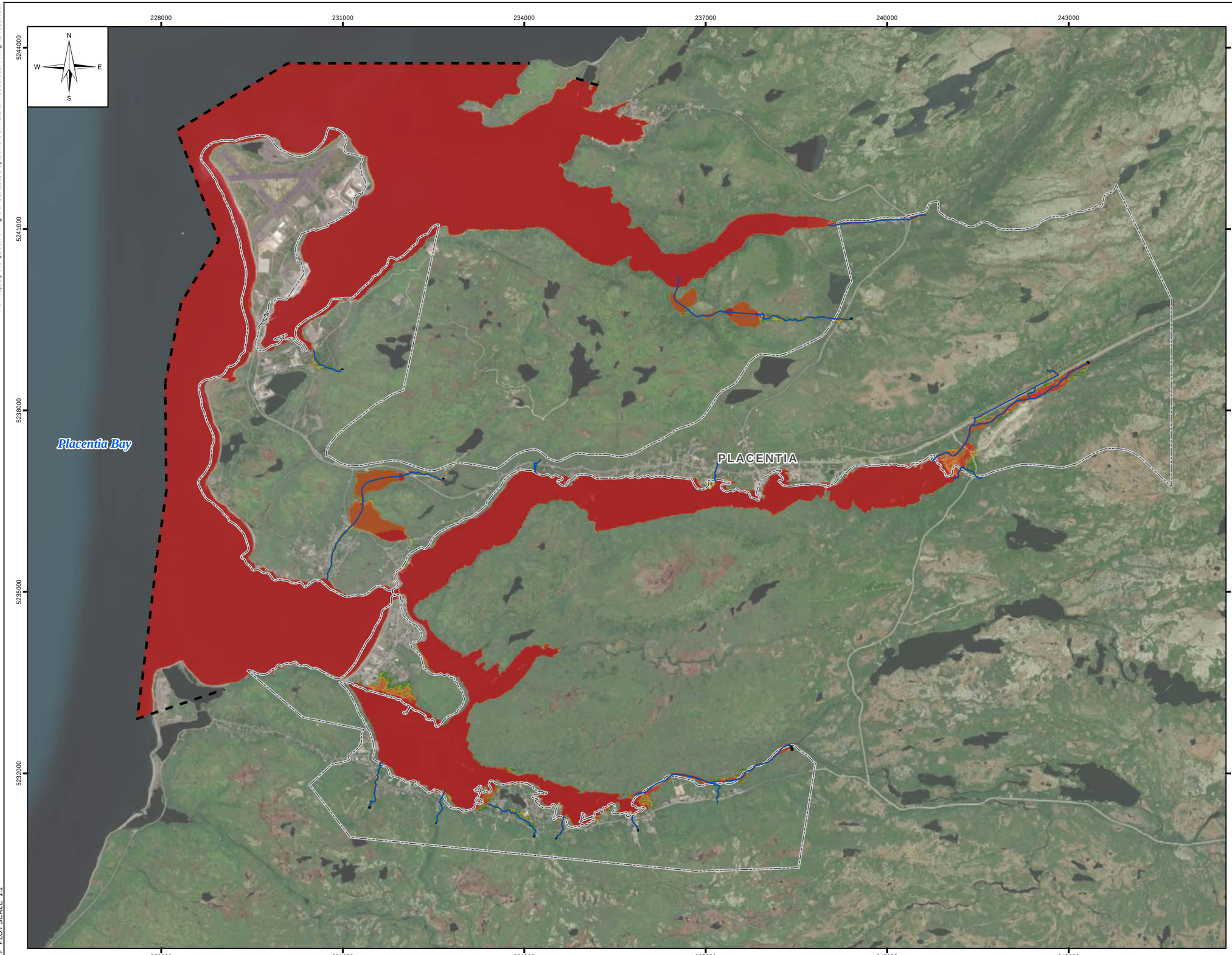

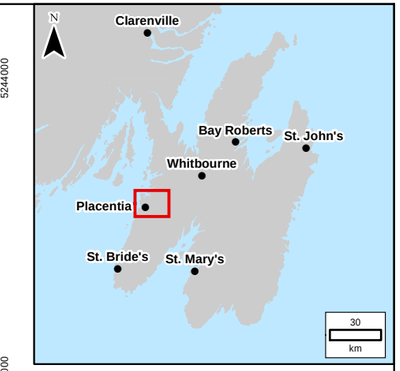

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Municipal Boundary
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
- Extreme - Danger for All (Includes the emergency services)

NOTES:
1. Imagery is supplied by ESRI/Maxar, dated 2020.

0.5 0 0.5 1 1.5 2
Kilometres

SCALE: 1:60,000 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)
1:20 YEAR FLOOD HAZARD

SEPTEMBER 2022 | FIGURE 3.5 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig3.5.mxd
11"x17" PLOT SCALE 1:1

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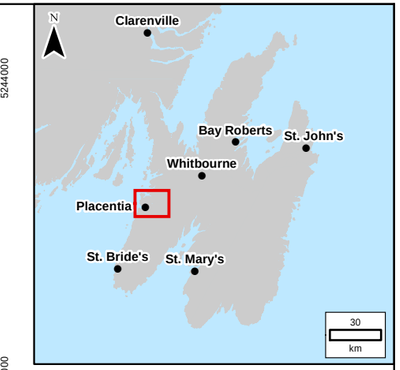

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Municipal Boundary

Depth (m)

- 0.0 - 0.5 m
- 0.5 - 1.0 m
- 1.0 - 1.5 m
- 1.5 - 2.0 m
- > 2.0 m

NOTES:
1. Imagery is supplied by ESRI/Maxar, dated 2020.

0.5 0 0.5 1 1.5 2
Kilometres

SCALE: 1:60,000 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)
1:100 YEAR INUNDATION DEPTH

SEPTEMBER 2022 | FIGURE 3.6 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig3.6.mxd
11"x17" PLOT SCALE 1:1

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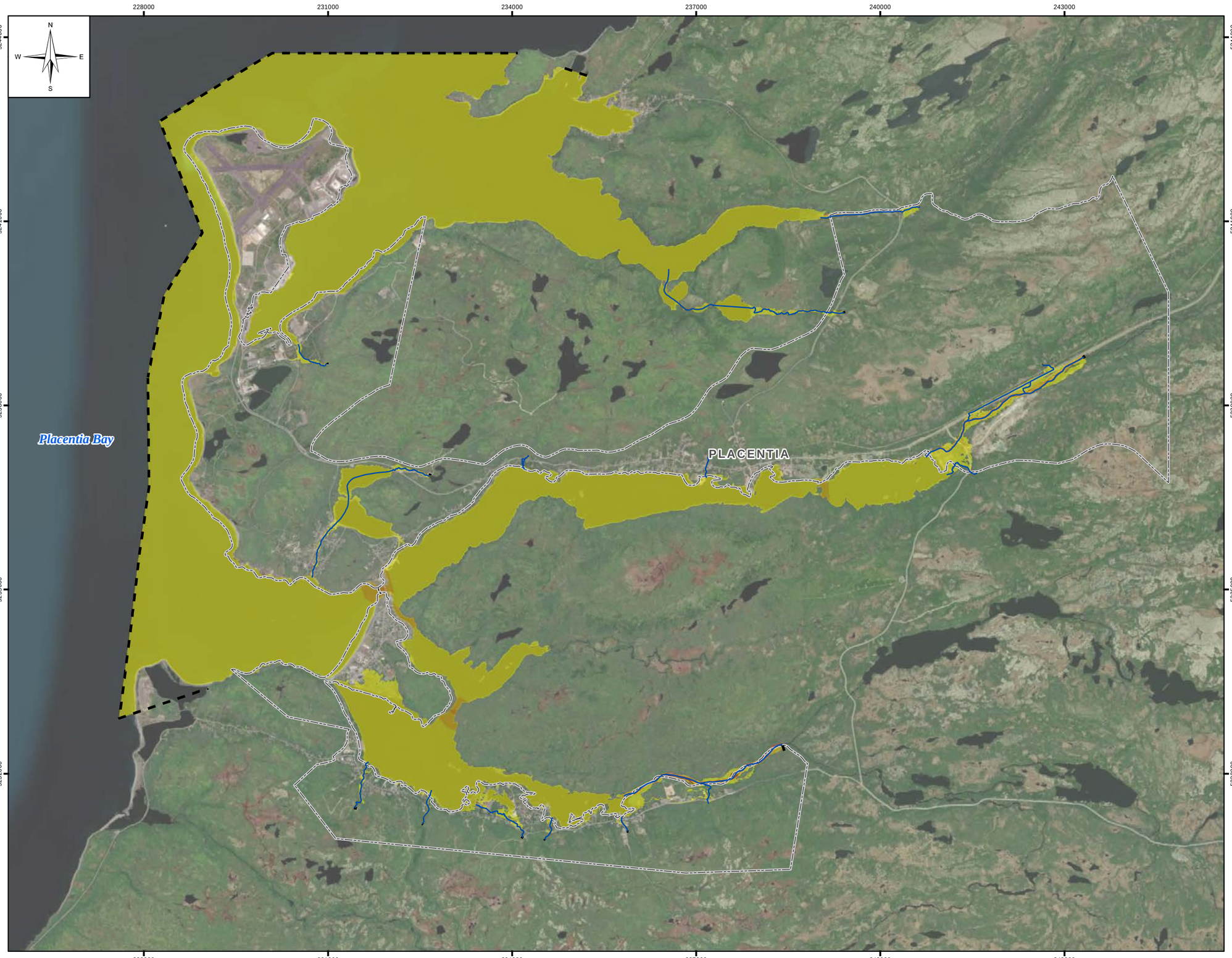

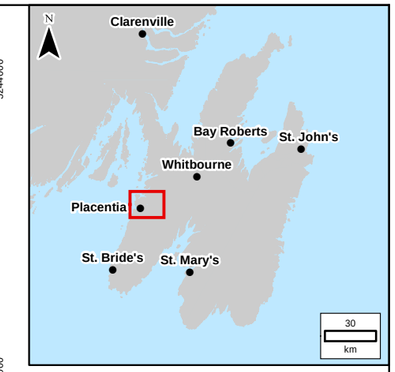

LEGEND:

- River/Creek Centreline
- Limit of Mapping
- Municipal Boundary

Velocity (m/s)

- 0.0 - 1.0 m/s
- 1.0 - 2.0 m/s
- 2.0 - 3.0 m/s
- 3.0 - 4.0 m/s
- 4.0 - 5.0 m/s
- > 5.0 m/s

NOTES:
1. Imagery is supplied by ESRI/Maxar, dated 2020.

0.5 0 0.5 1 1.5 2
Kilometres

SCALE: 1:60,000 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) 1:100 YEAR VELOCITY DISTRIBUTION

SEPTEMBER 2022 | FIGURE 3.7 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig3.7.mxd
11"x17" PLOT SCALE 1:1

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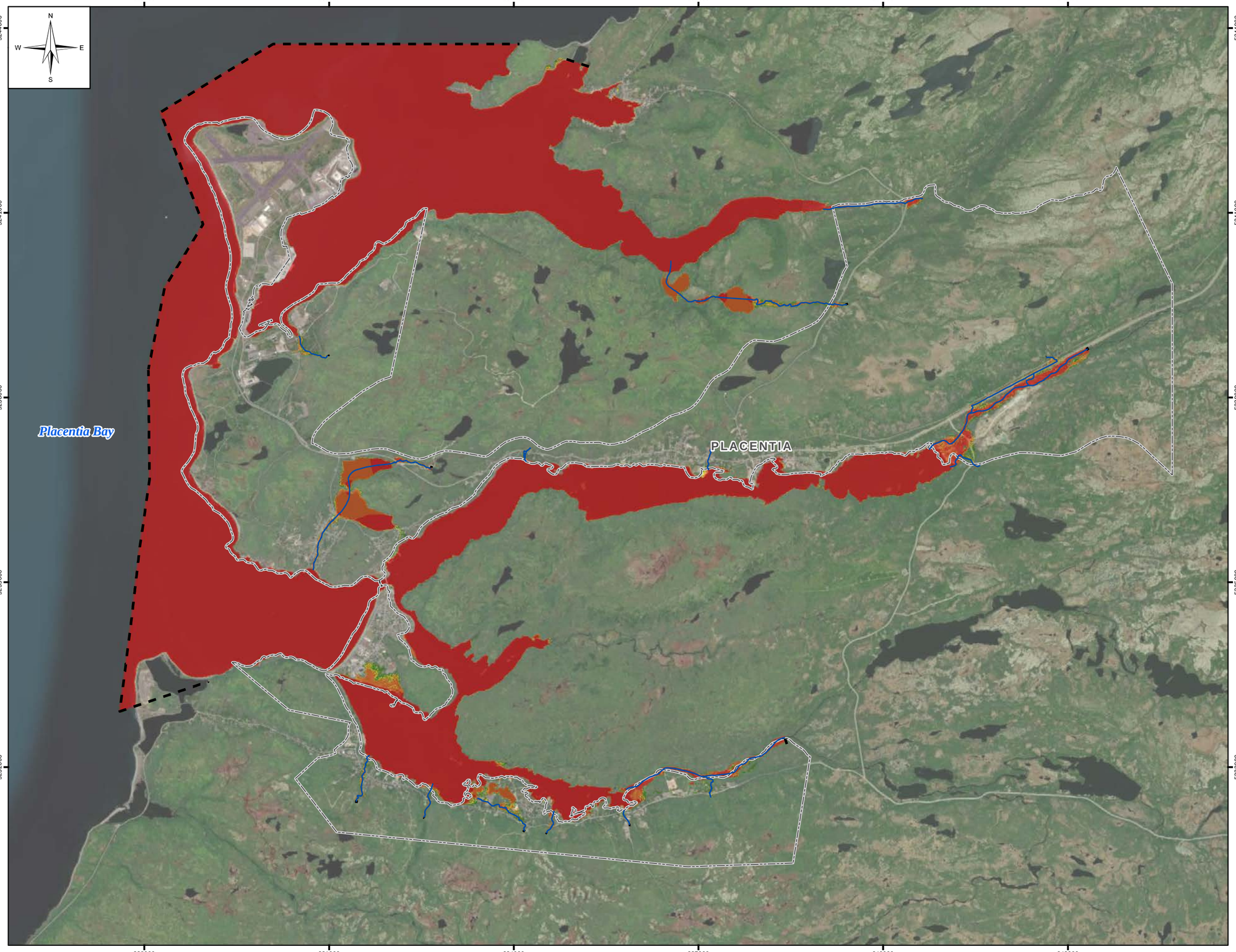

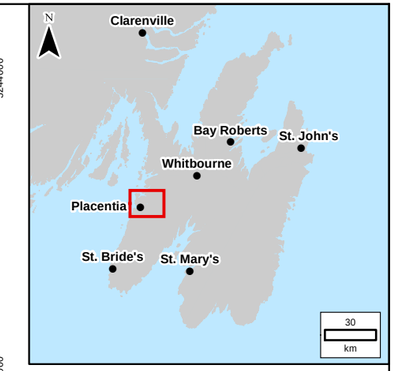

LEGEND:

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- Limit of Mapping
- Municipal Boundary
- Low - Caution
- Moderate - Danger for Some (Includes children, the elderly, and the infirm)
- Significant - Danger for Most (Includes the general public)
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NOTES:
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0.5 0 0.5 1 1.5 2
Kilometres

SCALE: 1:60,000 METRIC 11"x17"

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CURRENT CLIMATE AND CURRENT DEVELOPMENT CONDITION (CC-CD)
1:100 YEAR FLOOD HAZARD

SEPTEMBER 2022 | FIGURE 3.8 | REV: 0

FileName: P:\Projects\2021\21-3217-002\Dwg\GIS\MXDs\Flood_Mapping\21-3217-002-Fig3.8.mxd
11"x17" PLOT SCALE 1:1