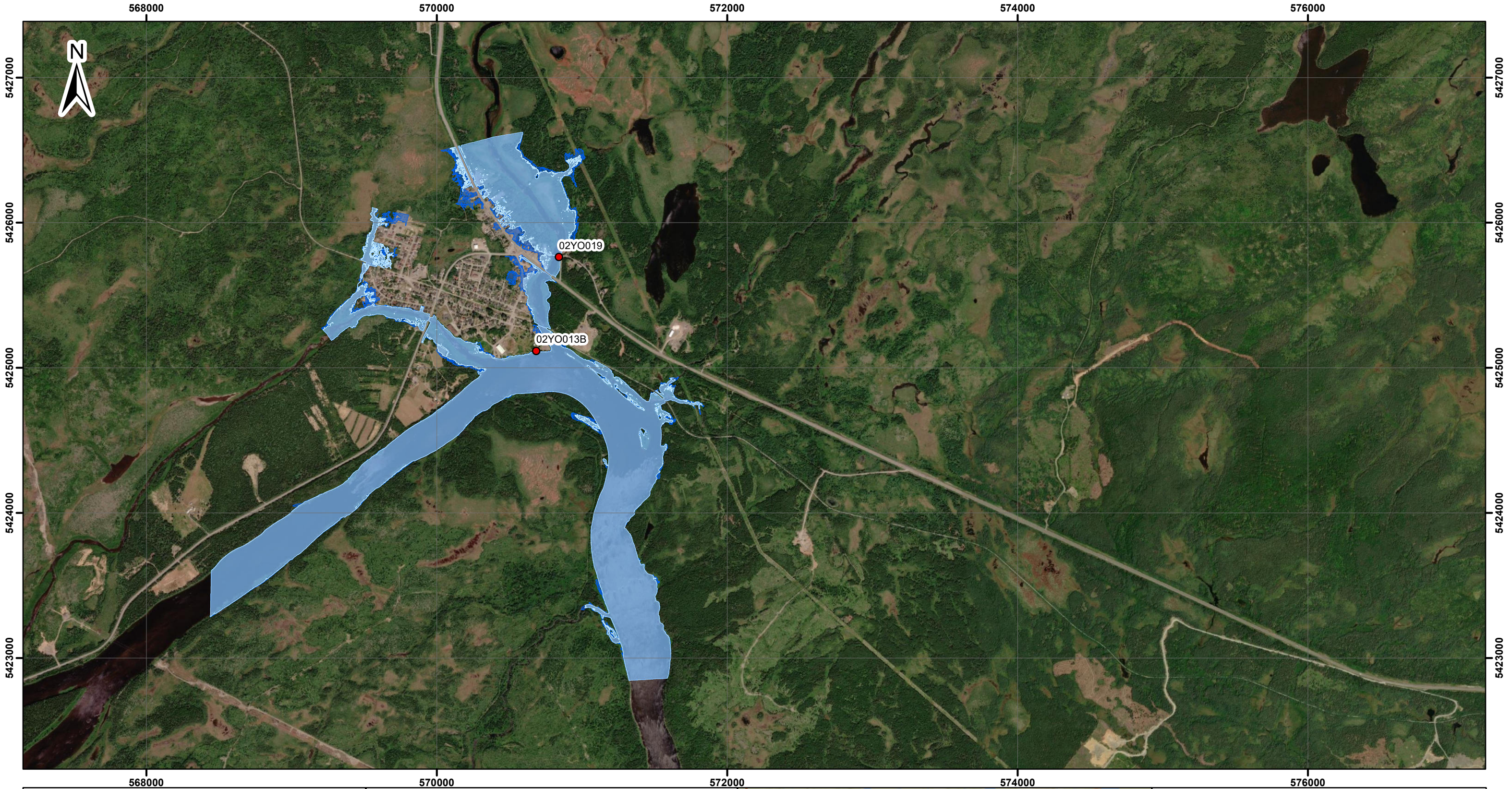


Appendix F.13: Map Set 13 – Flood Extent – Climate Change

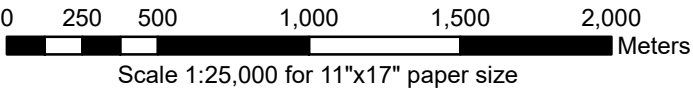


Legend

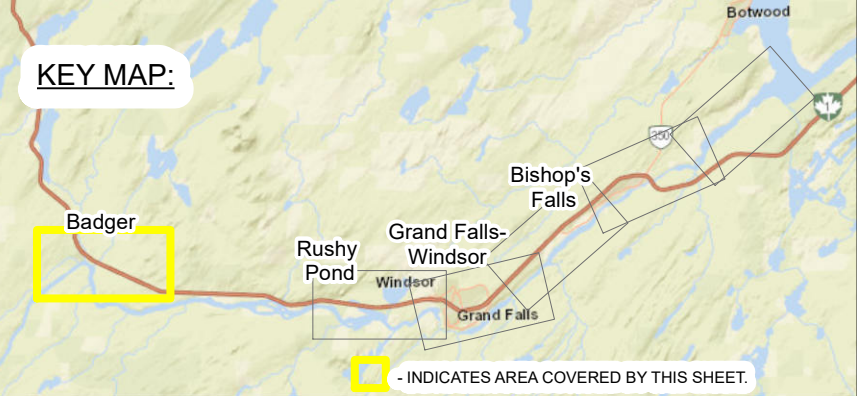
-  1:20 AEP Flood Zone Climate Change
-  1:100 AEP Flood Zone Climate Change
-  Hydrometric Station

NOTES:

1. Coordinates are based on the Universal Transverse Mercator Projection, North American Datum 1983, Zone 21N. Elevation data is based on the Canadian Geodetic Vertical Datum (CGVD) 2013.
2. Aerial imagery and topographic map by ESRI.



KEY MAP:

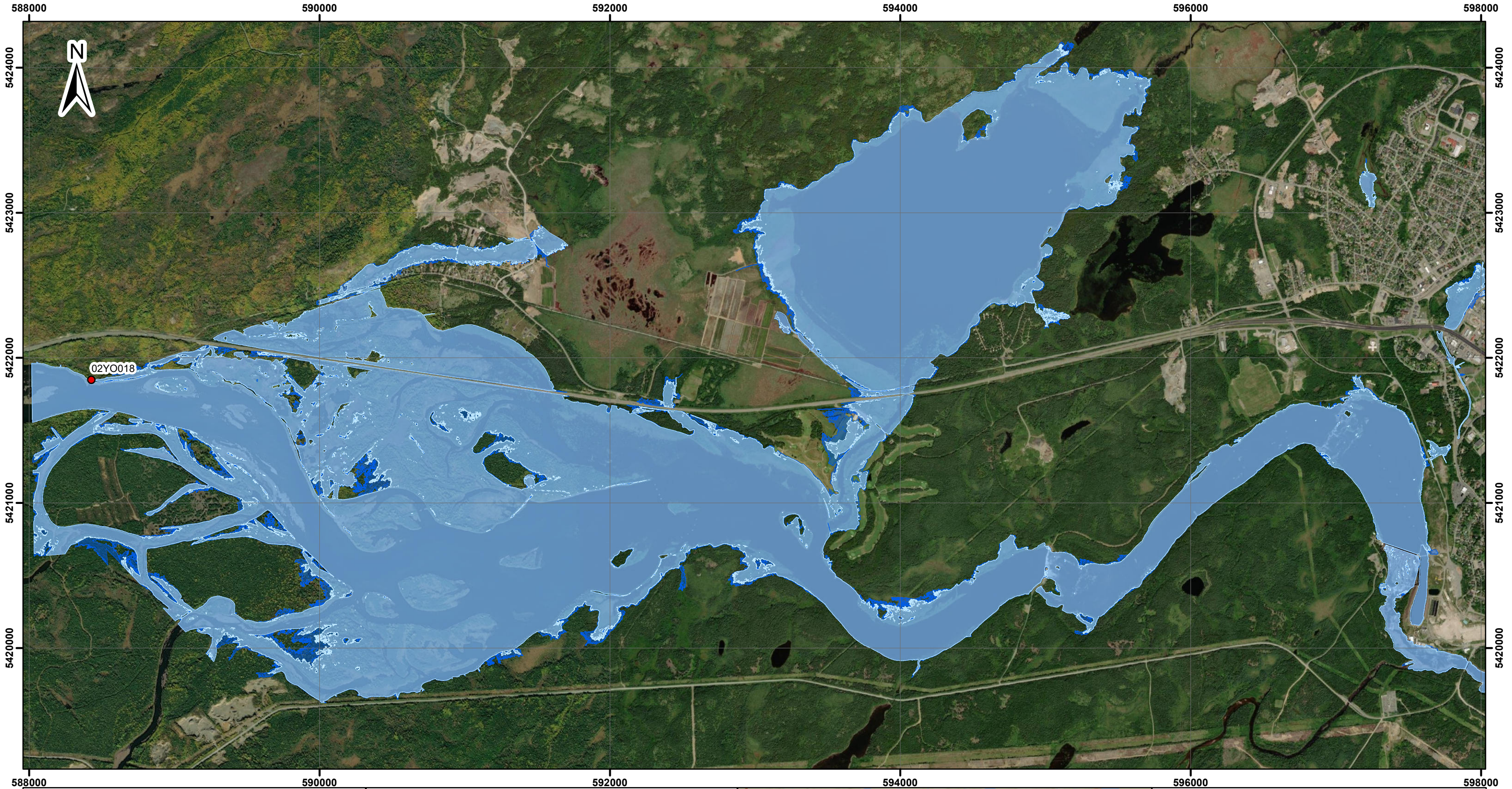


WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
OVERVIEW MAP

DATE: 05/17/2021

PROJECT #: H-358566

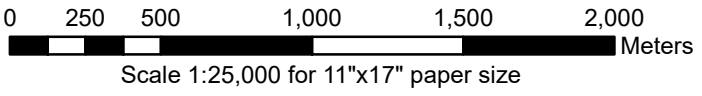


Legend

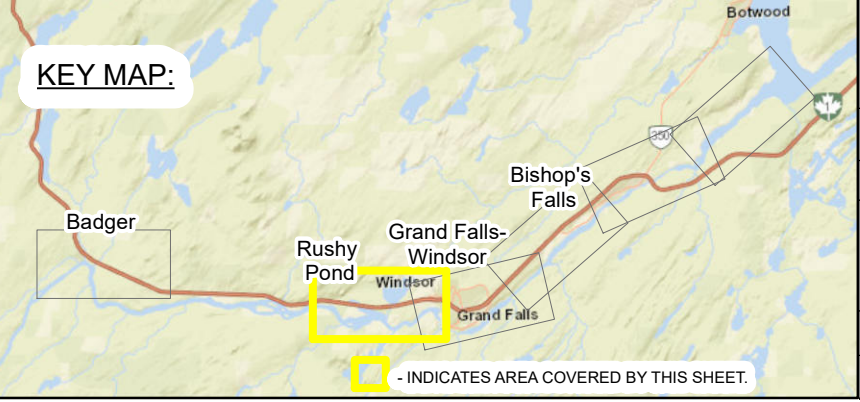
-  1:20 AEP Flood Zone Climate Change
-  1:100 AEP Flood Zone Climate Change
-  Hydrometric Station

NOTES:

1. Coordinates are based on the Universal Transverse Mercator Projection, North American Datum 1983, Zone 21N. Elevation data is based on the Canadian Geodetic Vertical Datum (CGVD) 2013.
2. Aerial imagery and topographic map by ESRI.



KEY MAP:

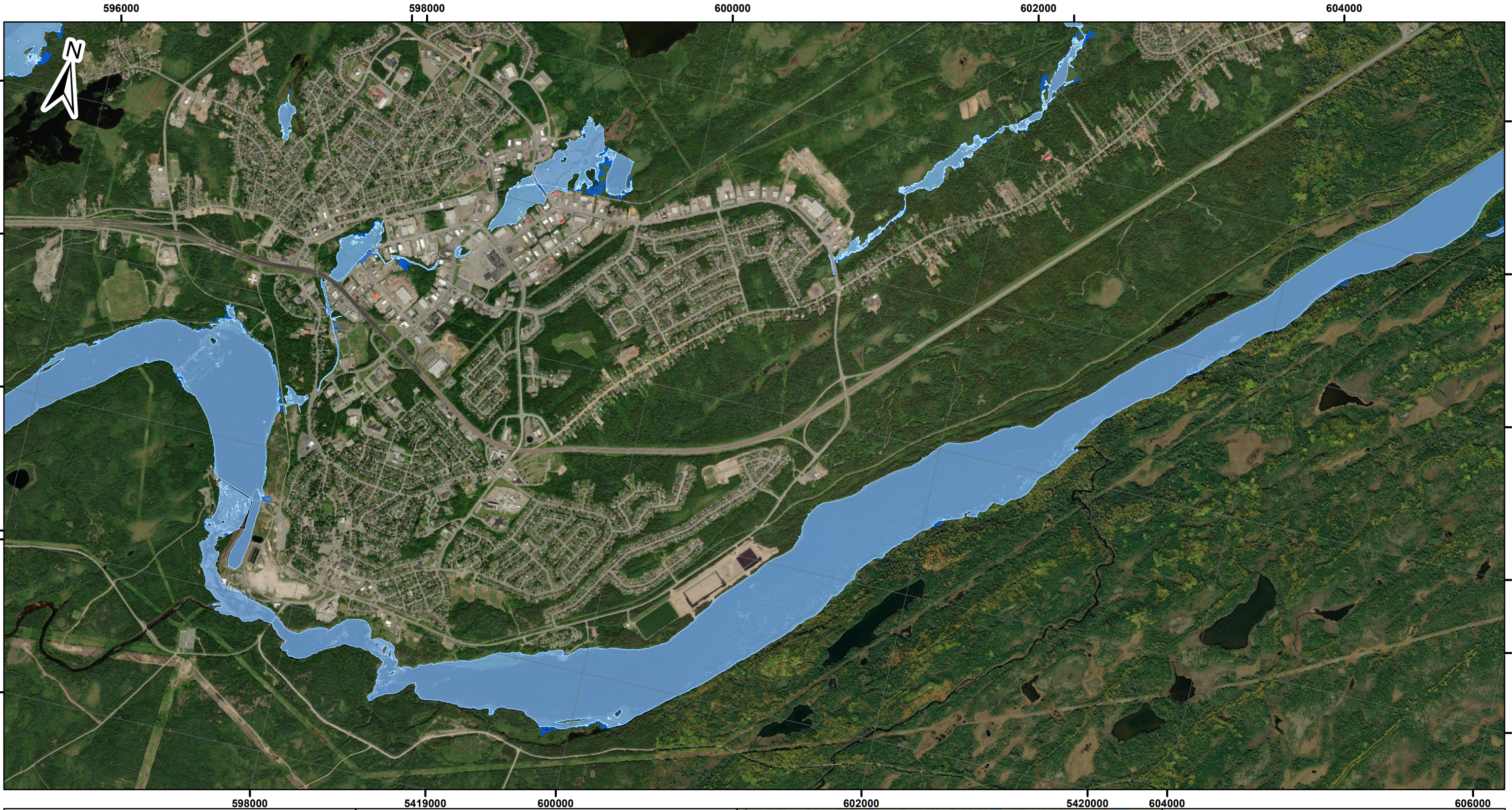


WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
OVERVIEW MAP

DATE: 05/17/2021

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Legend

 1:20 AEP Flood Zone Climate Change

 1:100 AEP Flood Zone Climate Change

 Hydrometric Station

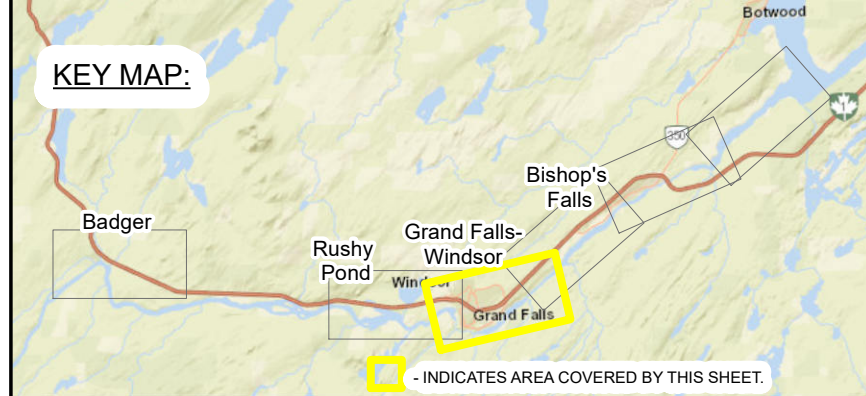
NOTES:

1. Coordinates are based on the Universal Transverse Mercator Projection, North American Datum 1983, Zone 21N. Elevation data is based on the Canadian Geodetic Vertical Datum (CGVD) 2013.

2. Aerial imagery and topographic map by ESRI.

0 250 500 1,000 1,500 2,000 Meters

Scale 1:25,000 for 11"x17" paper size



HATCH Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

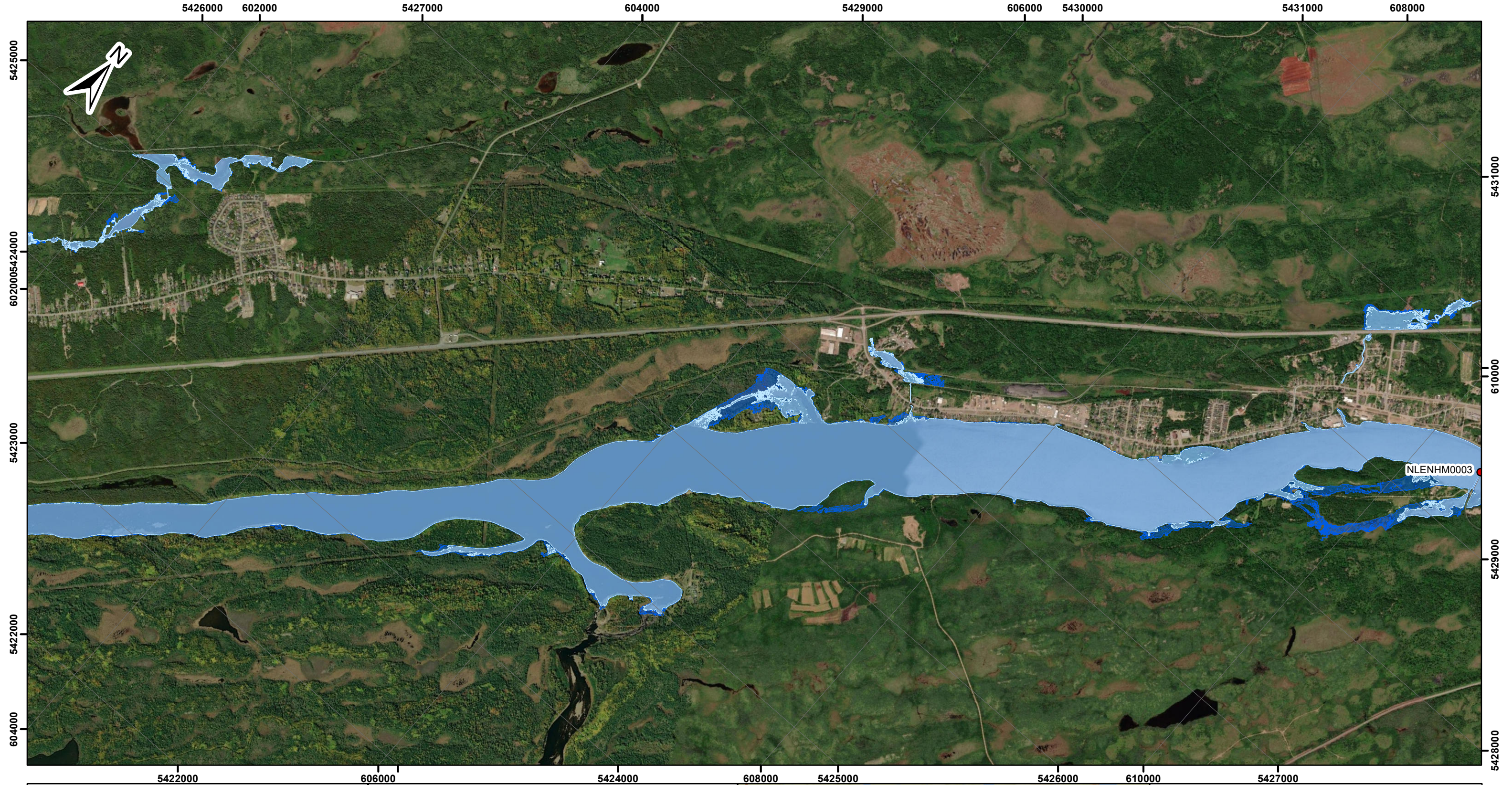
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
OVERVIEW MAP

DATE: 05/17/2021

PROJECT #: H-358566

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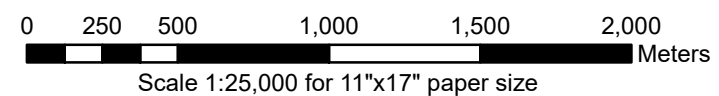


Legend

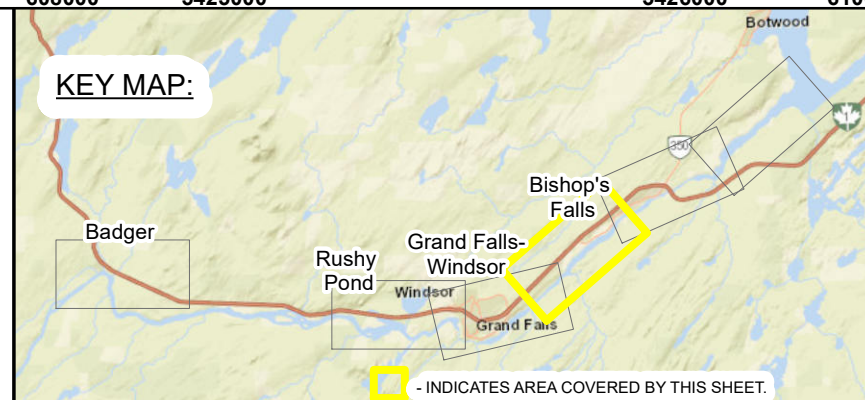
-  1:20 AEP Flood Zone Climate Change
-  1:100 AEP Flood Zone Climate Change
-  Hydrometric Station

NOTES:

1. Coordinates are based on the Universal Transverse Mercator Projection, North American Datum 1983, Zone 21N. Elevation data is based on the Canadian Geodetic Vertical Datum (CGVD) 2013.
2. Aerial imagery and topographic map by ESRI.



KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION

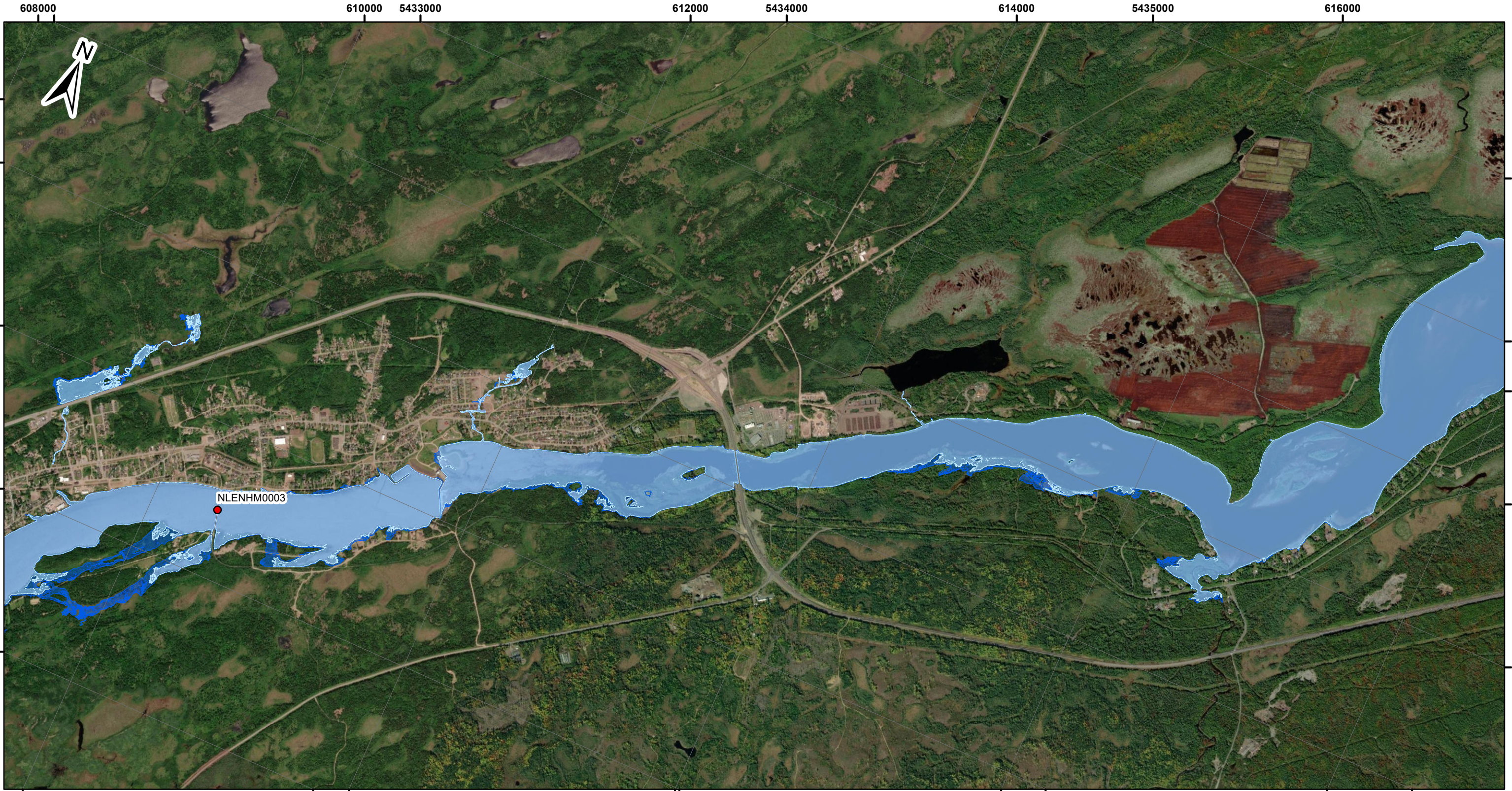
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
OVERVIEW MAP

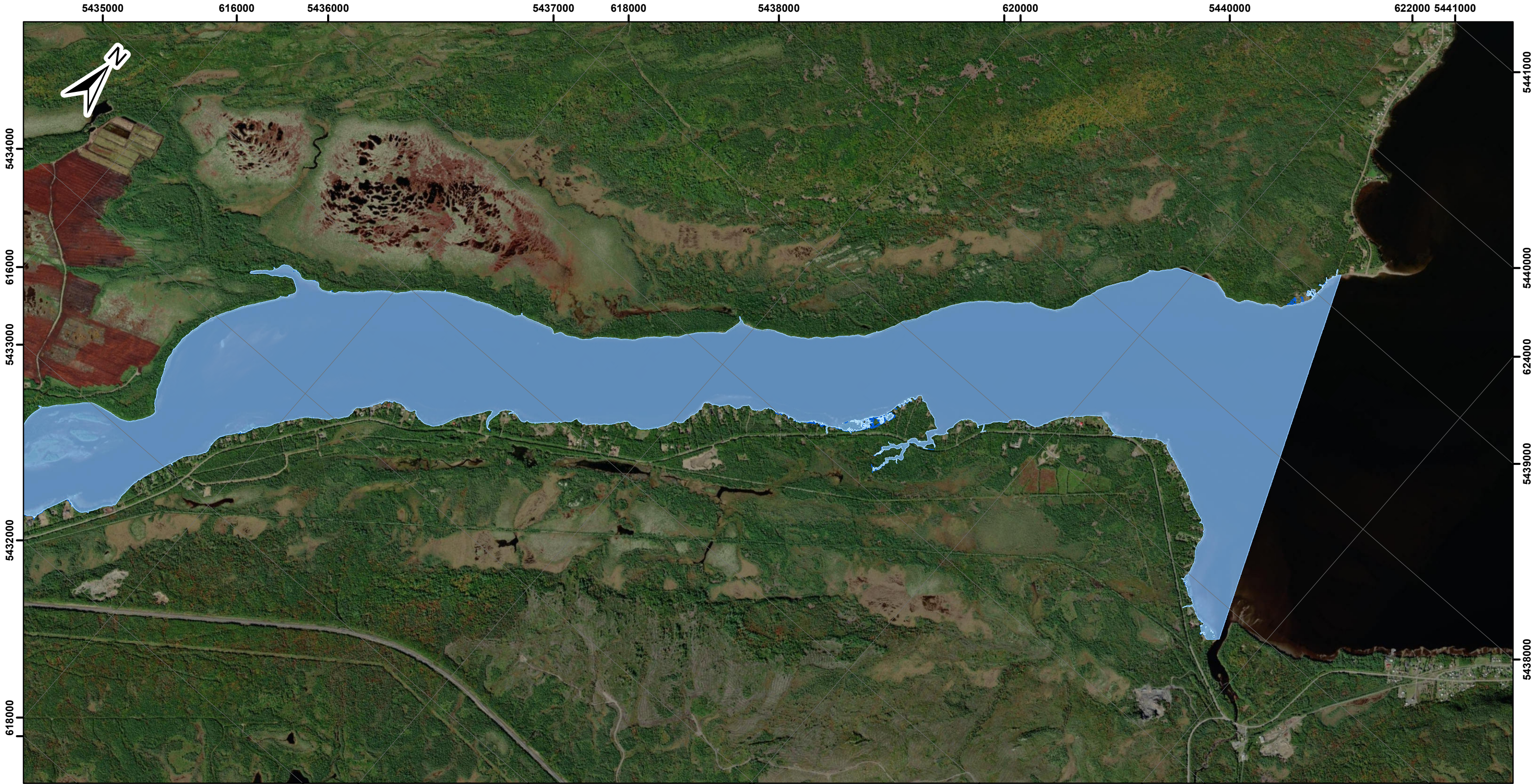
DATE: 05/17/2021

PROJECT #: H-358566

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Legend 1:20 AEP Flood Zone Climate Change 1:100 AEP Flood Zone Climate Change - Hydrometric Station	NOTES: - Coordinates are based on the Universal Transverse Mercator Projection, North American Datum 1983, Zone 21N. Elevation data is based on the Canadian Geodetic Vertical Datum (CGVD) 2013. - Aerial imagery and topographic map by ESRI. 0 250 500 1,000 1,500 2,000 Meters Scale 1:25,000 for 11"x17" paper size	KEY MAP:	 WATER RESOURCES MANAGEMENT DIVISION EXPLOITS RIVER FLOOD RISK MAPPING STUDY MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE OVERVIEW MAP <table border="1"><tr><td>DATE: 05/17/2021</td><td rowspan="2">Page 5 of 6</td></tr><tr><td>PROJECT #: H-358566</td></tr></table>	DATE: 05/17/2021	Page 5 of 6	PROJECT #: H-358566
DATE: 05/17/2021	Page 5 of 6					
PROJECT #: H-358566						

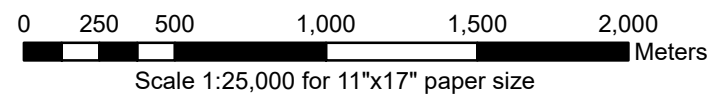


Legend

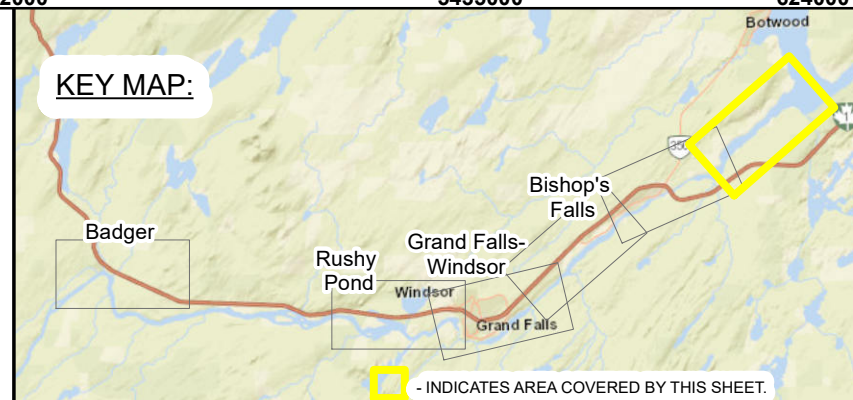
-  1:20 AEP Flood Zone Climate Change
-  1:100 AEP Flood Zone Climate Change
-  Hydrometric Station

NOTES:

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2. Aerial imagery and topographic map by ESRI.



KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION

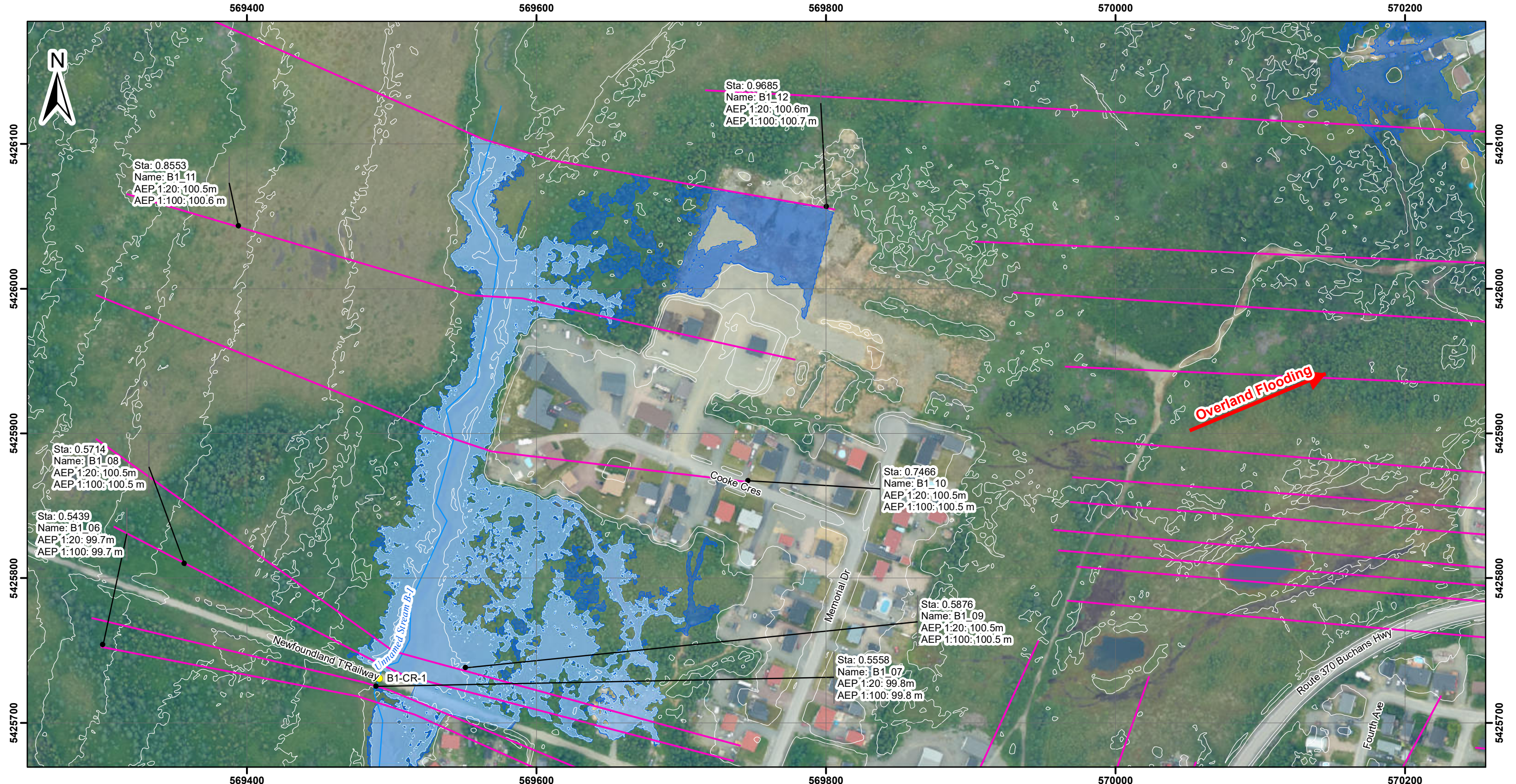
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
OVERVIEW MAP

DATE: 05/17/2021

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Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

NOTES:

- Coordinates are based on the Universal Transverse Mercator Projection, North American Datum 1983, Zone 21N. Elevation data is based on the Canadian Geodetic Vertical Datum (CGVD) 2013.
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- Topographic map and world imagery outside project area by ESRI.

Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size



WATER RESOURCES MANAGEMENT DIVISION

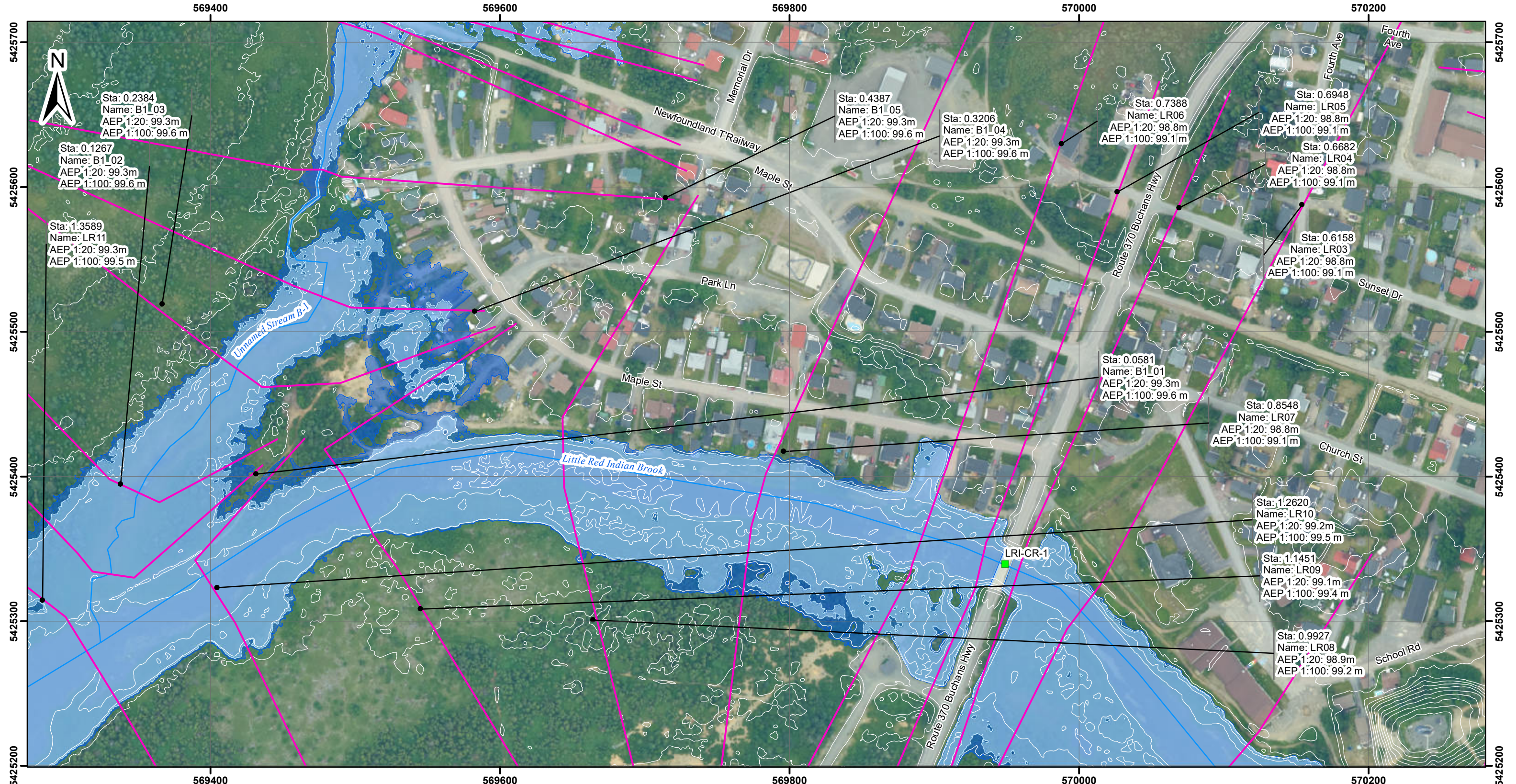
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566

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Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

NOTES:

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- Topographic map and world imagery outside project area by ESRI.

Sta: Station
 Name: Survey ID (n/a if not surveyed)
 AEP 1:20: 1:20 Water Surface El.
 AEP 1:100: 1:100 Water Surface El.

0 12.525 50 75 100 Meters
 Scale 1:2,500 for 11"x17" paper size



HATCH Newfoundland Labrador

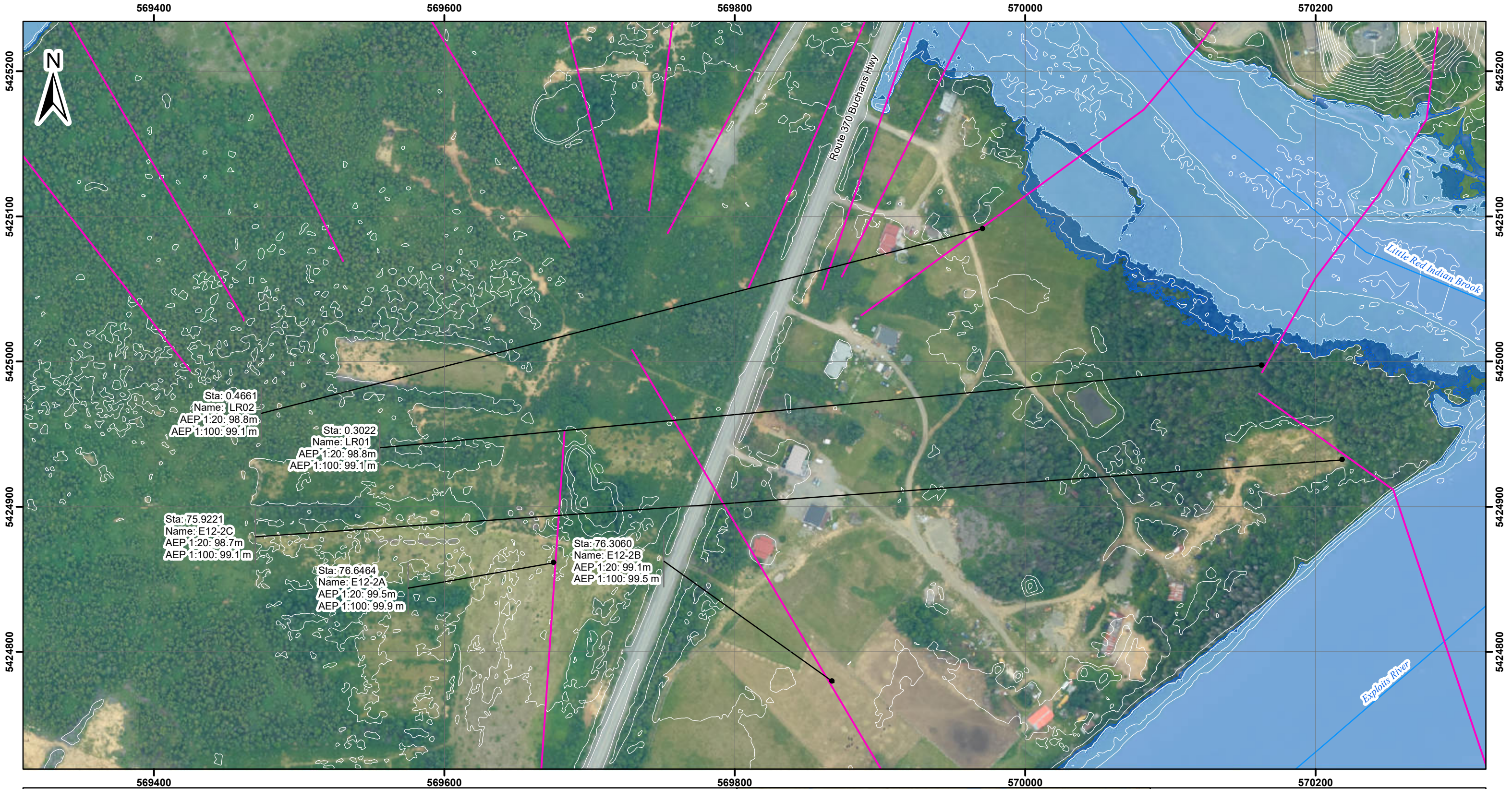
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
 FLOOD EXTENT MAP
 CLIMATE CHANGE
 DETAIL MAP

DATE: 05/17/2021
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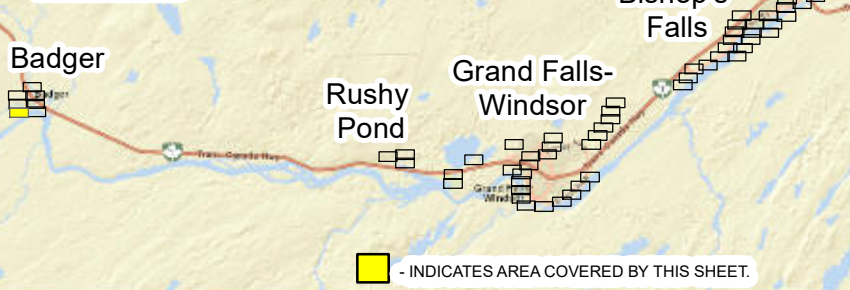
Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

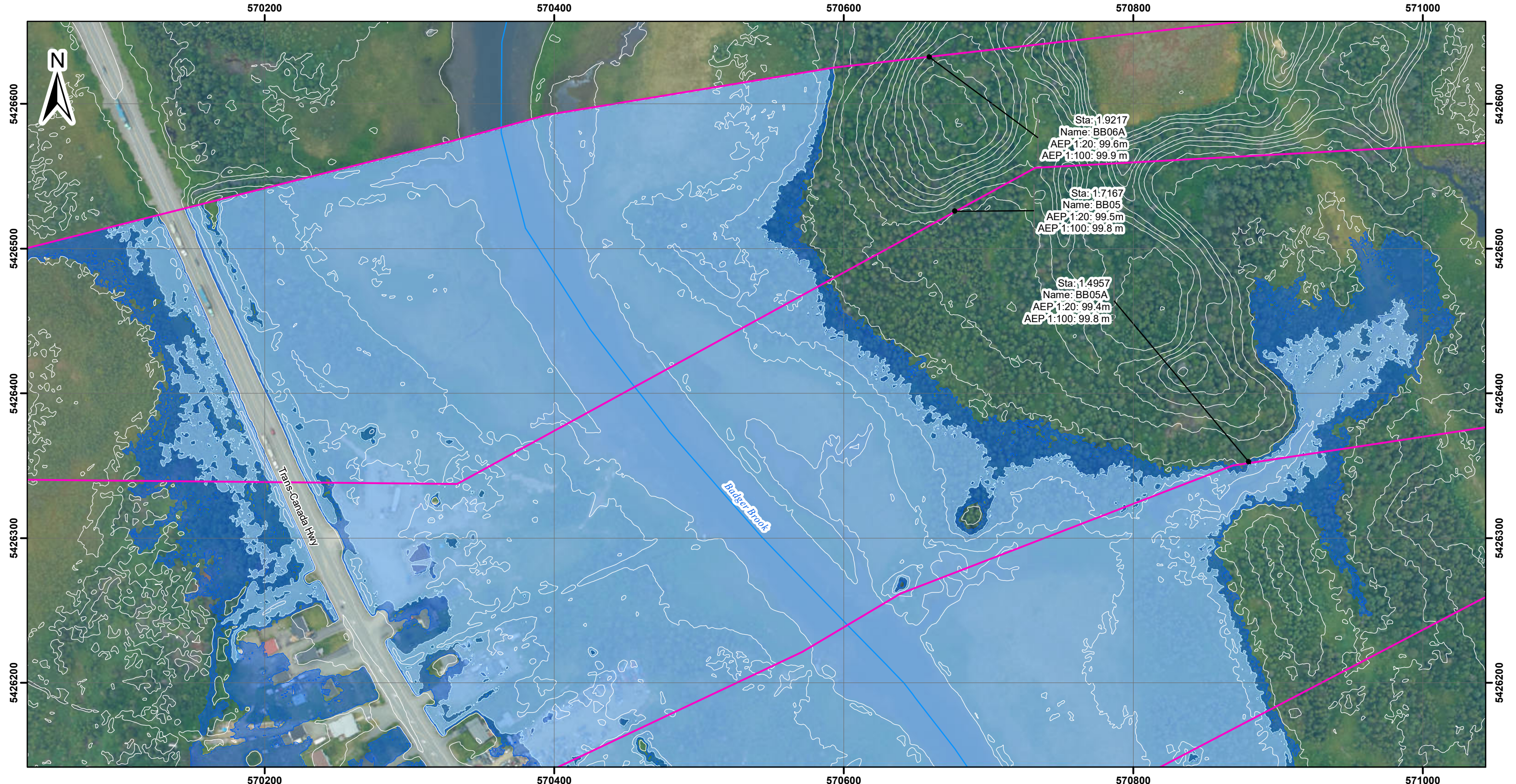
NOTES:

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 - Topographic map and world imagery outside project area by ESRI.
- Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.
- 0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
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PROJECT #: H-358566	



- Legend**
- 1:20 AEP Flood Zone Climate Change
 - 1:100 AEP Flood Zone Climate Change
 - Watercourse Centerline
 - 1 m Contours
 - Bridge
 - Culvert
 - Hydrometric Station
 - Overland Flooding

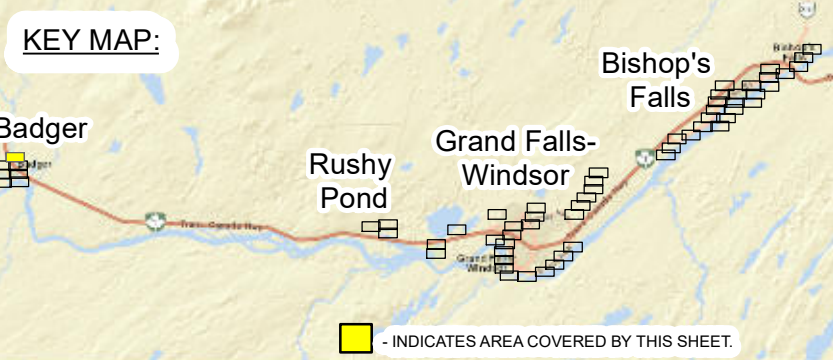
NOTES:

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Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

Cross Sections



WATER RESOURCES MANAGEMENT DIVISION

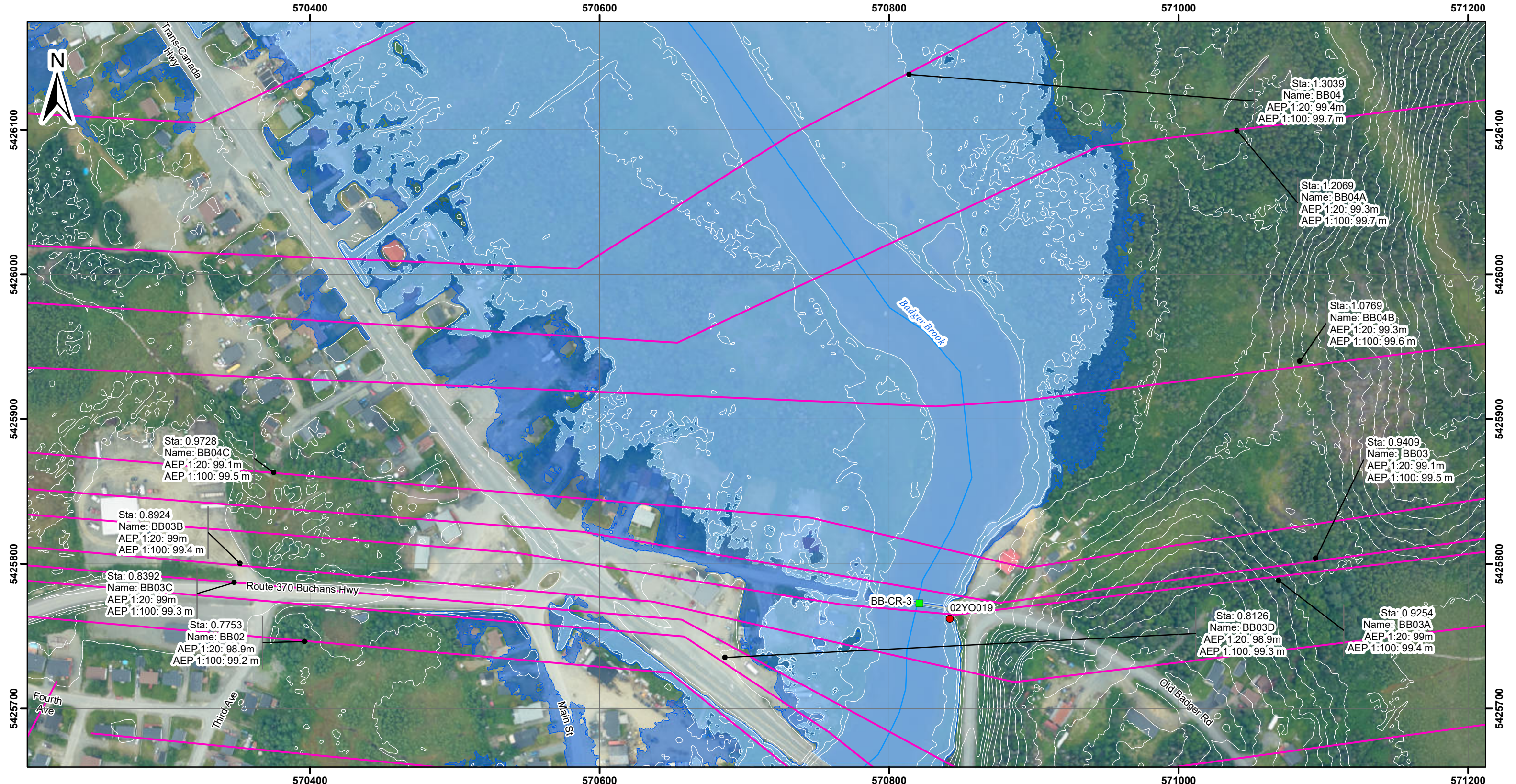
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

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Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

NOTES:

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Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size



HATCH Newfoundland Labrador

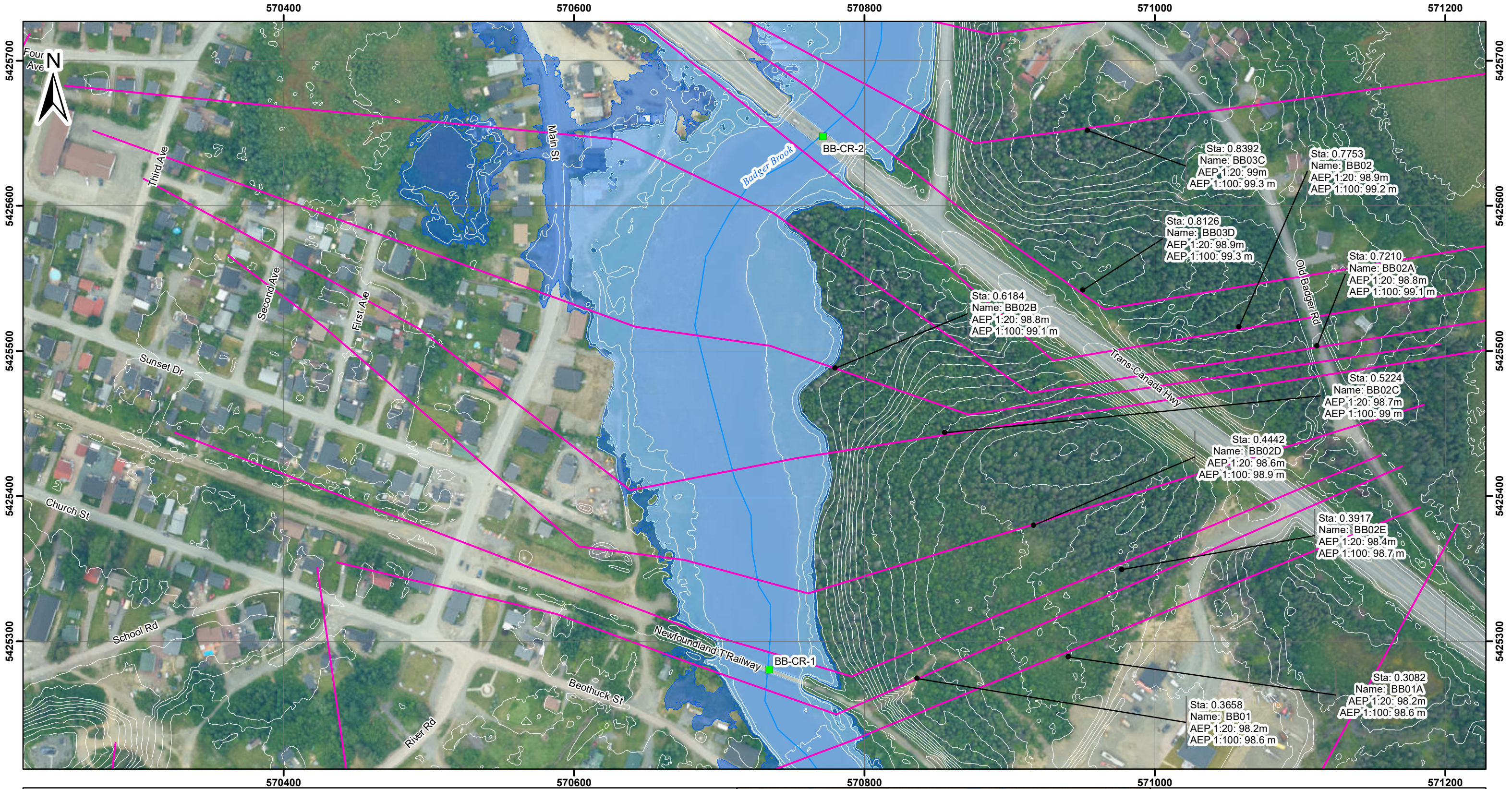
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021
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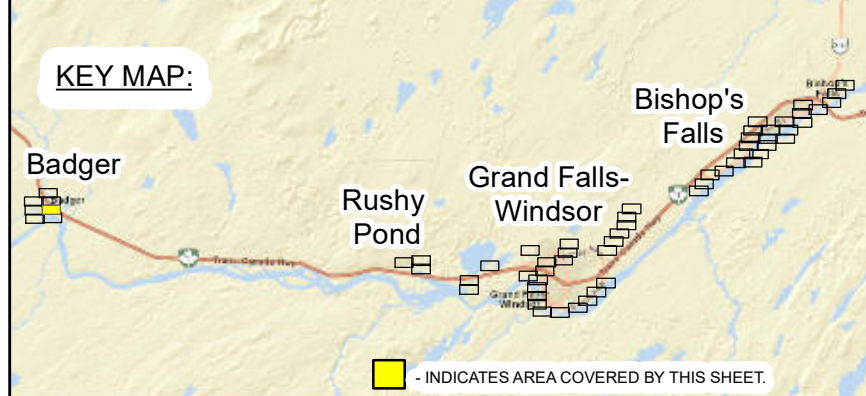
Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
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NOTES:

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- Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.
- Cross Sections
- 0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



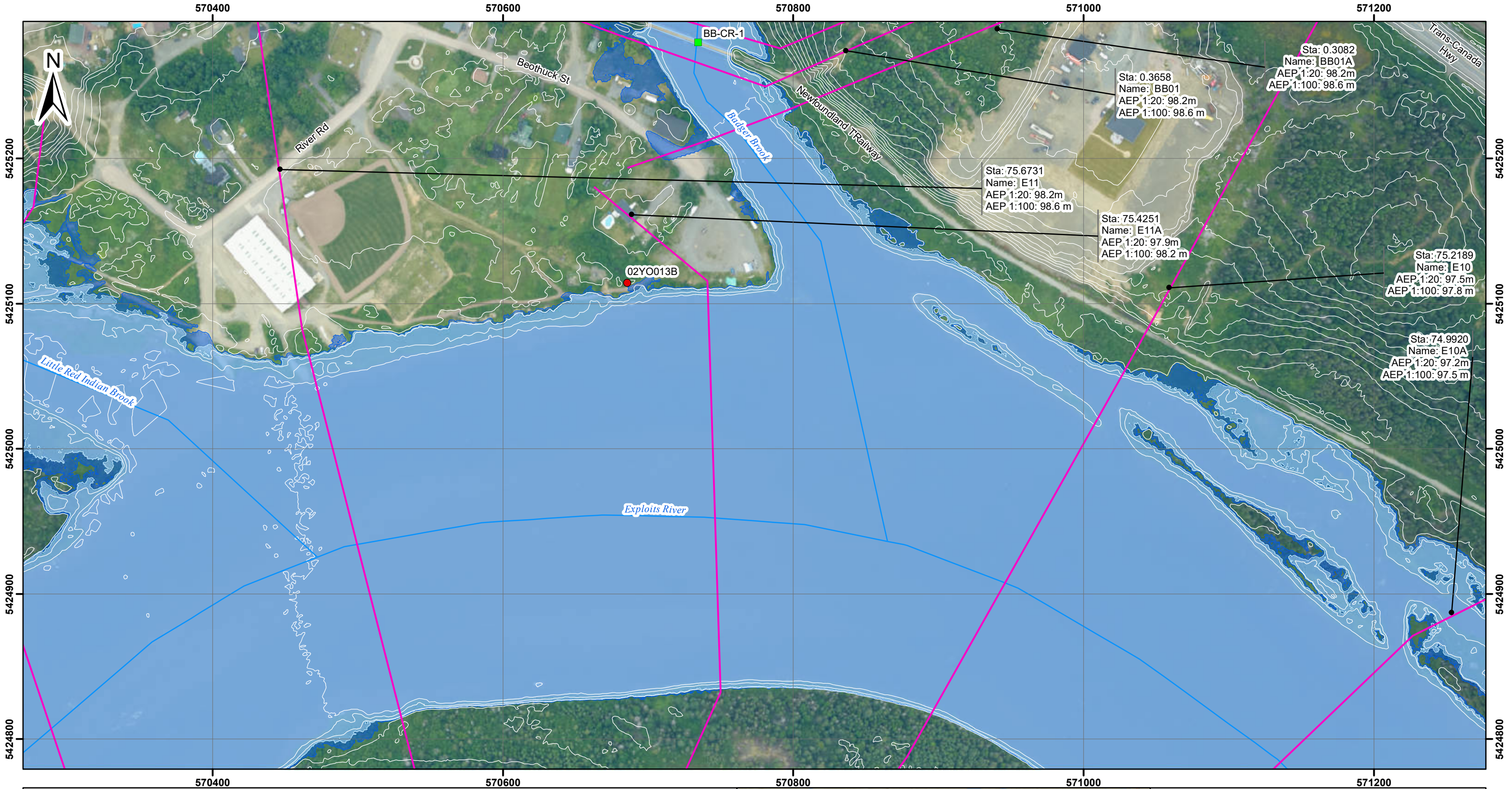
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566



Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

NOTES:

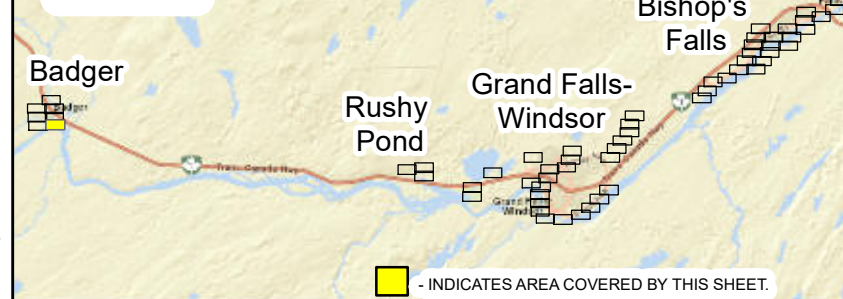
- Coordinates are based on the Universal Transverse Mercator Projection, North American Datum 1983, Zone 21N. Elevation data is based on the Canadian Geodetic Vertical Datum (CGVD) 2013.
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Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

Cross Sections

0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



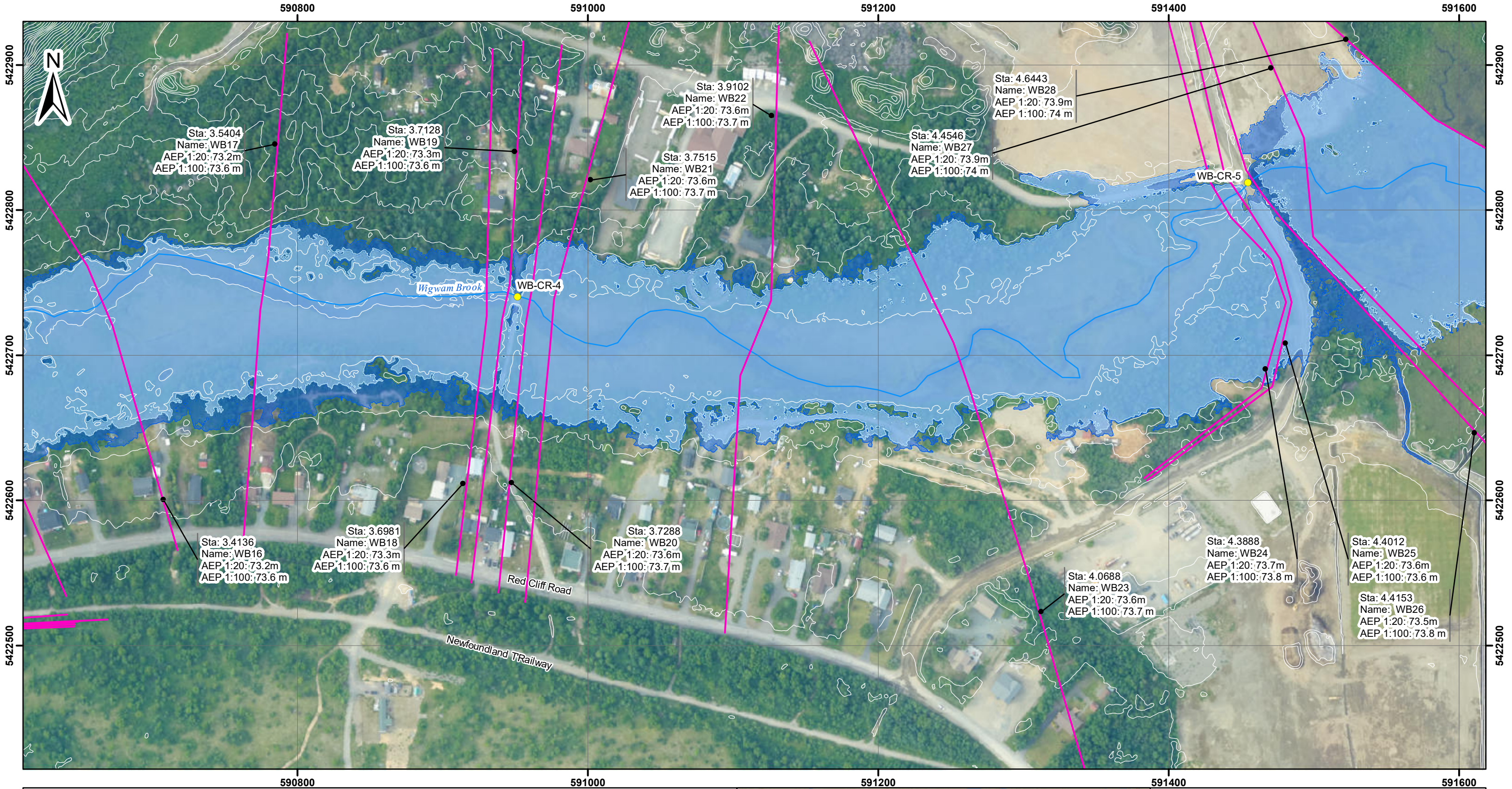
HATCH
Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

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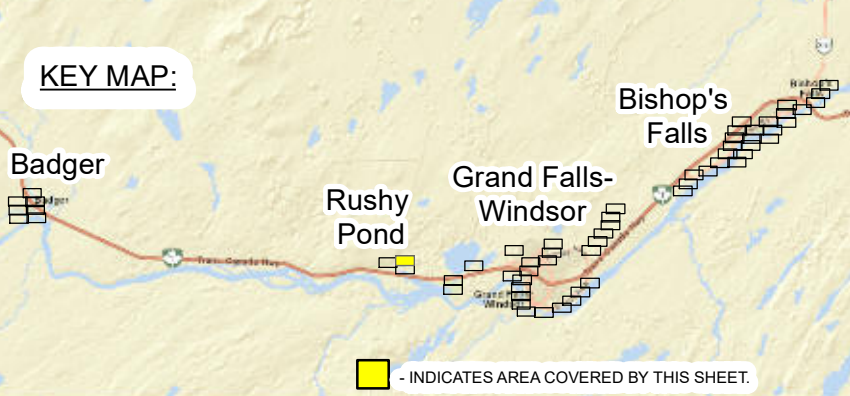
Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

NOTES:

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- Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.
- 0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



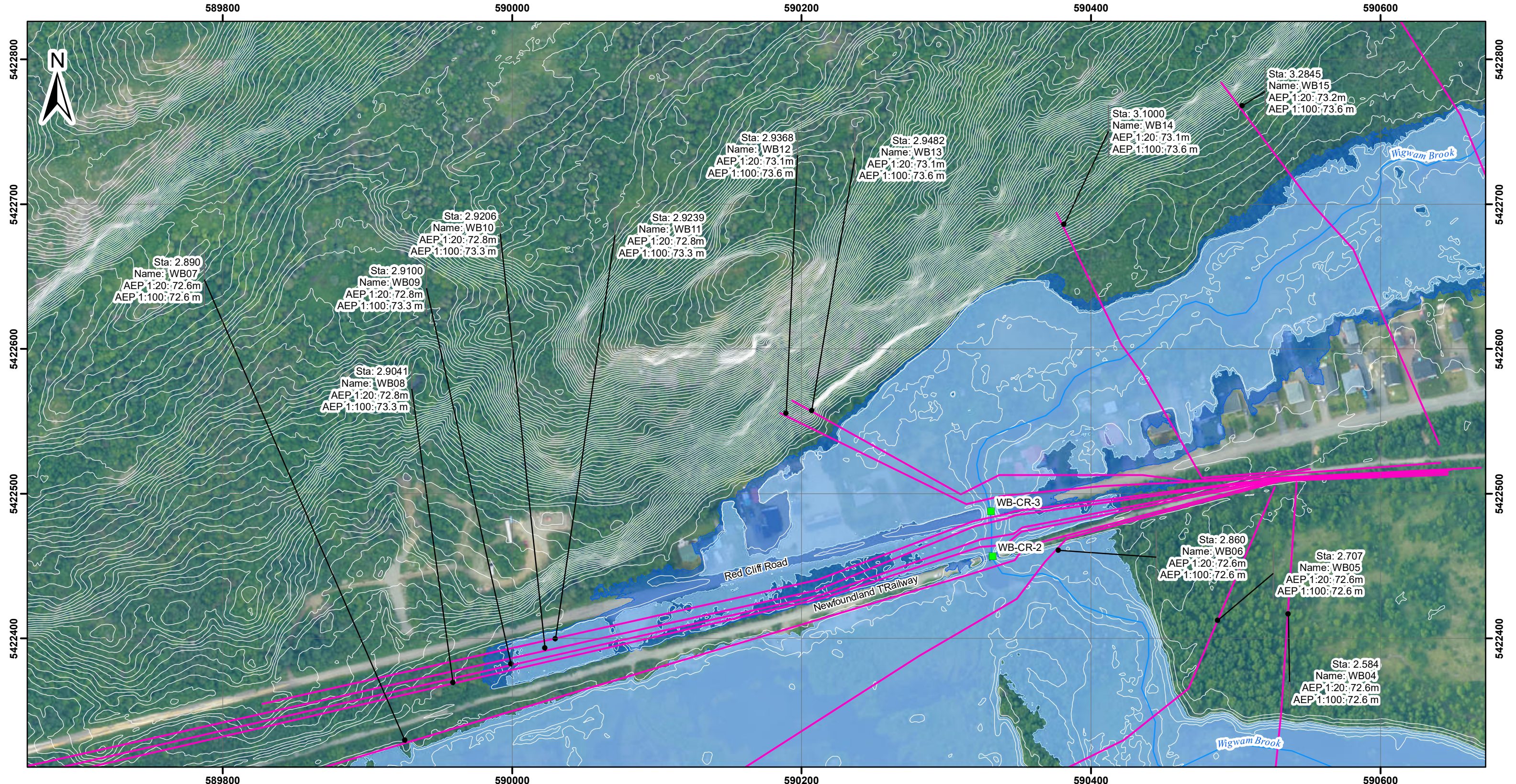


WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021
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Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
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Sta: Station
 Name: Survey ID (n/a if not surveyed)
 AEP 1:20: 1:20 Water Surface El.
 AEP 1:100: 1:100 Water Surface El.

0 12.525 50 75 100 Meters
 Scale 1:2,500 for 11"x17" paper size

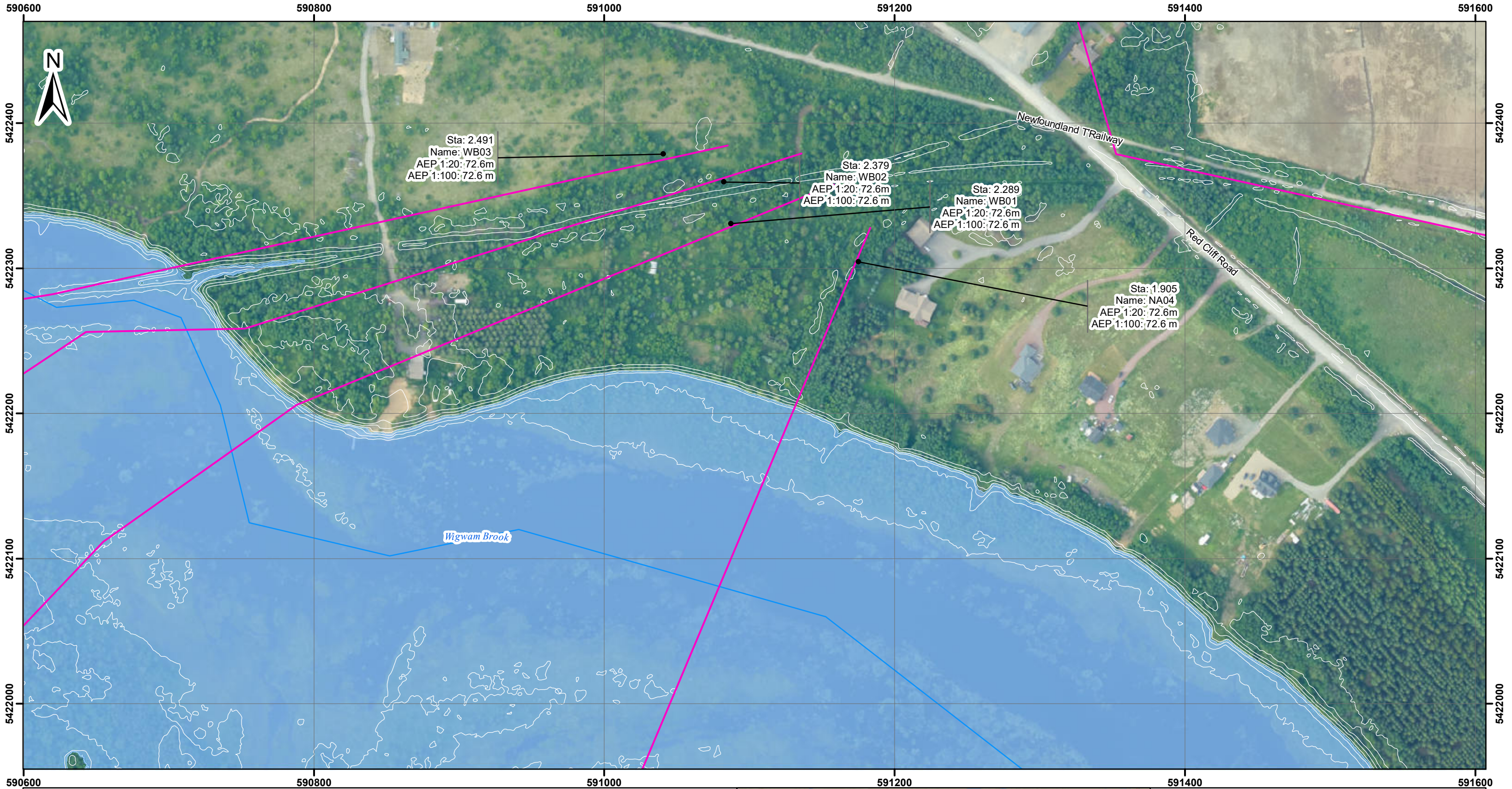


WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
 FLOOD EXTENT MAP
 CLIMATE CHANGE
 DETAIL MAP

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Legend

-  1:20 AEP Flood Zone Climate Change
-  1:100 AEP Flood Zone Climate Change
-  Watercourse Centerline
-  1 m Contours
-  Overland Flooding
-  Bridge
-  Culvert
-  Hydrometric Station

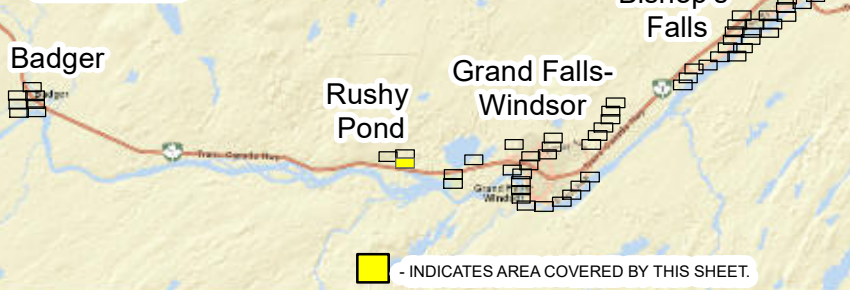
Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

NOTES:

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0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



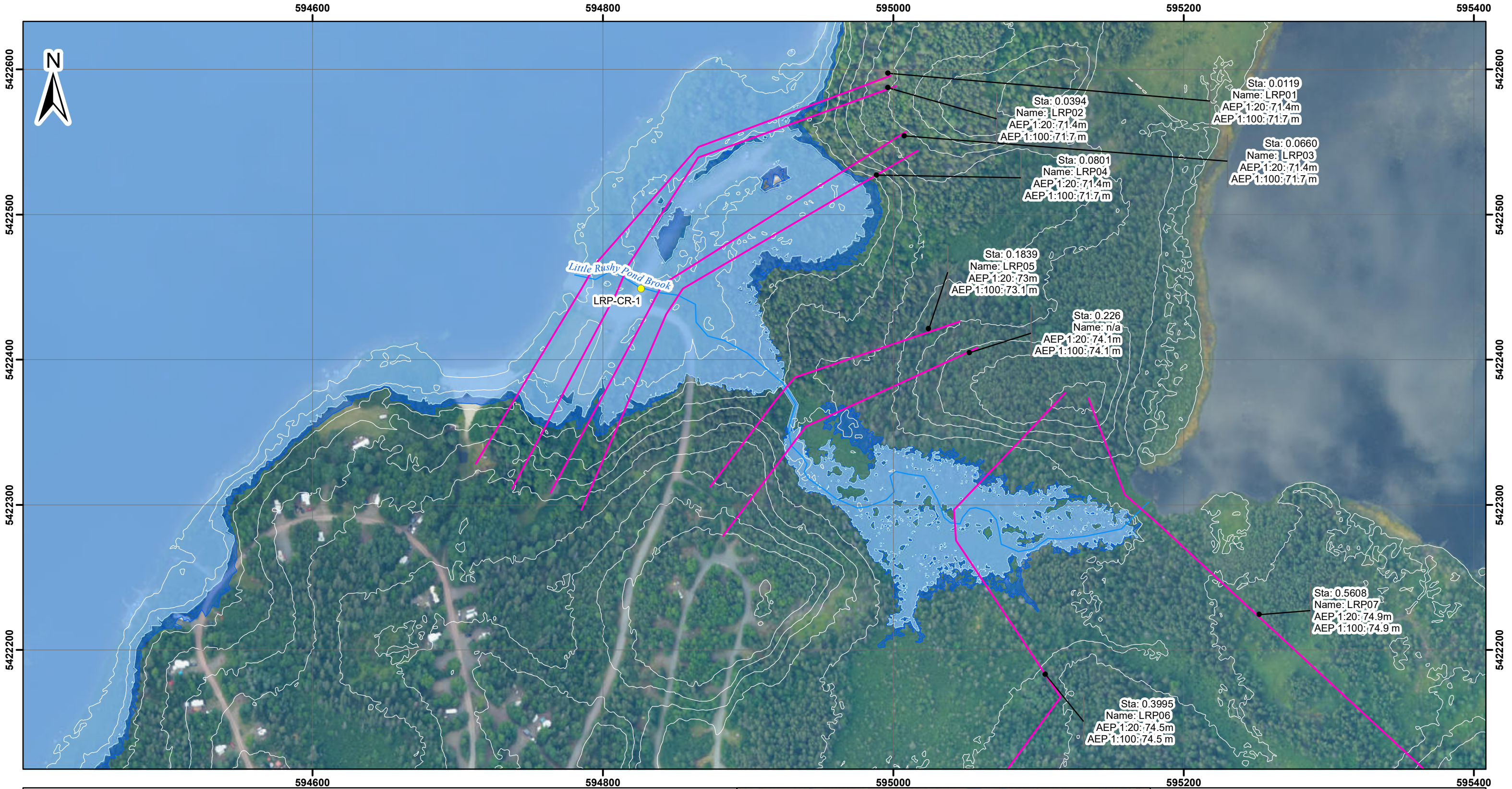
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566



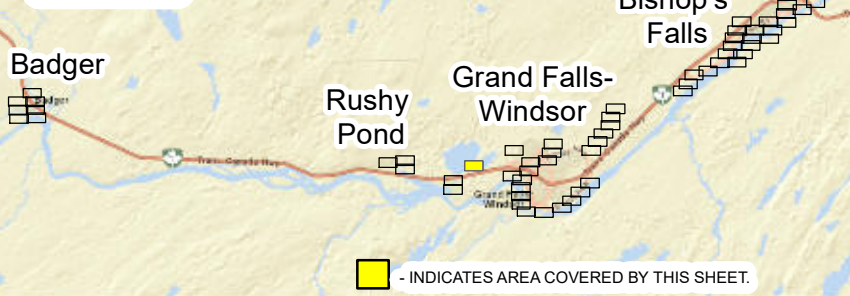
Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

NOTES:

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- Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.
- 0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



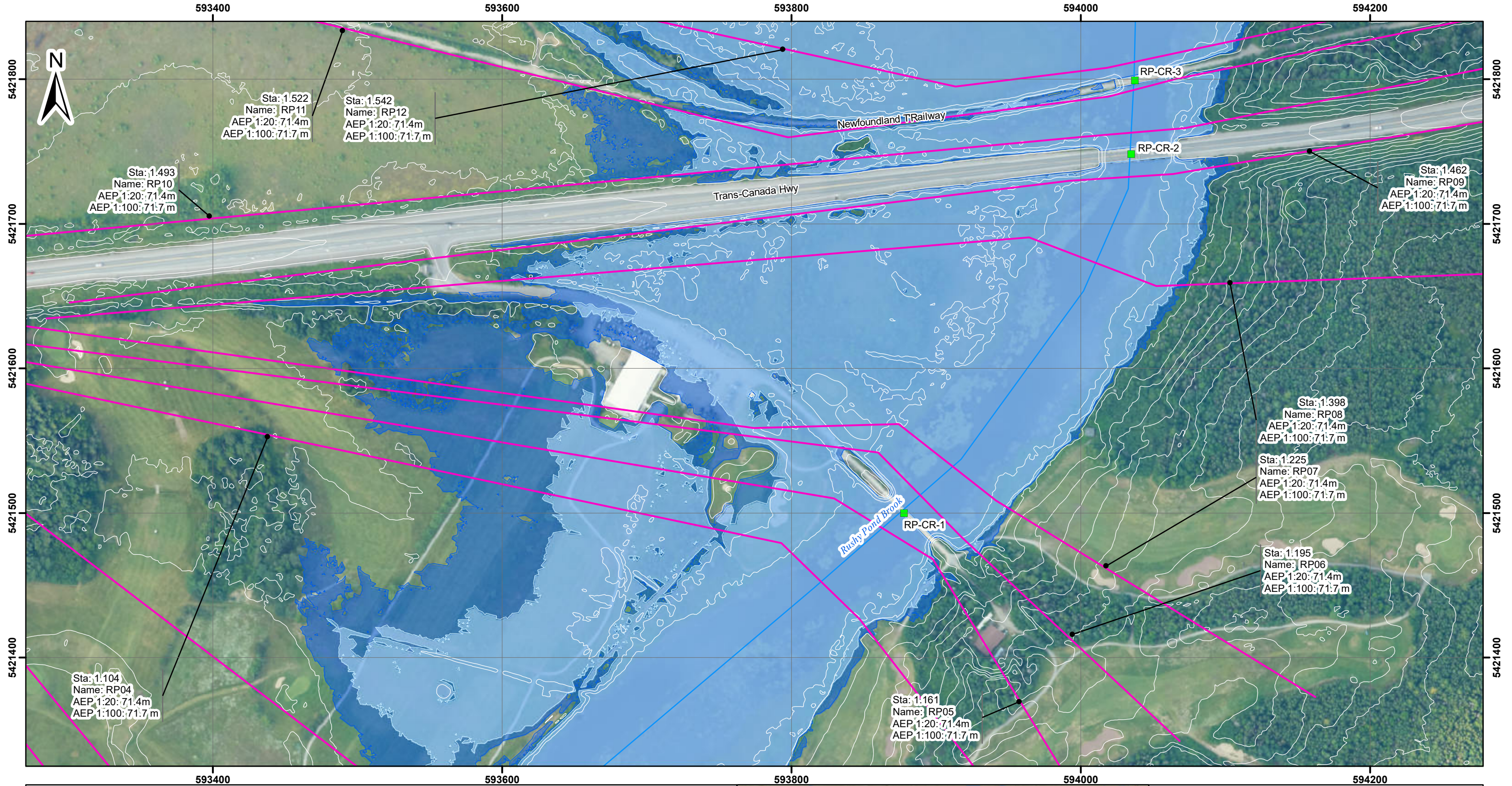


WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

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Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

NOTES:

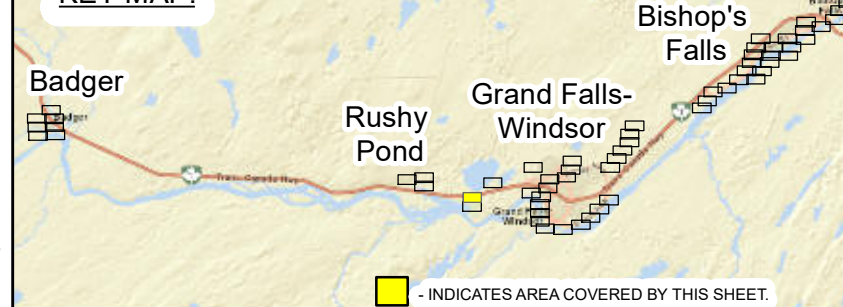
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- Topographic map and world imagery outside project area by ESRI.

Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

Cross Sections

0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



HATCH

Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION

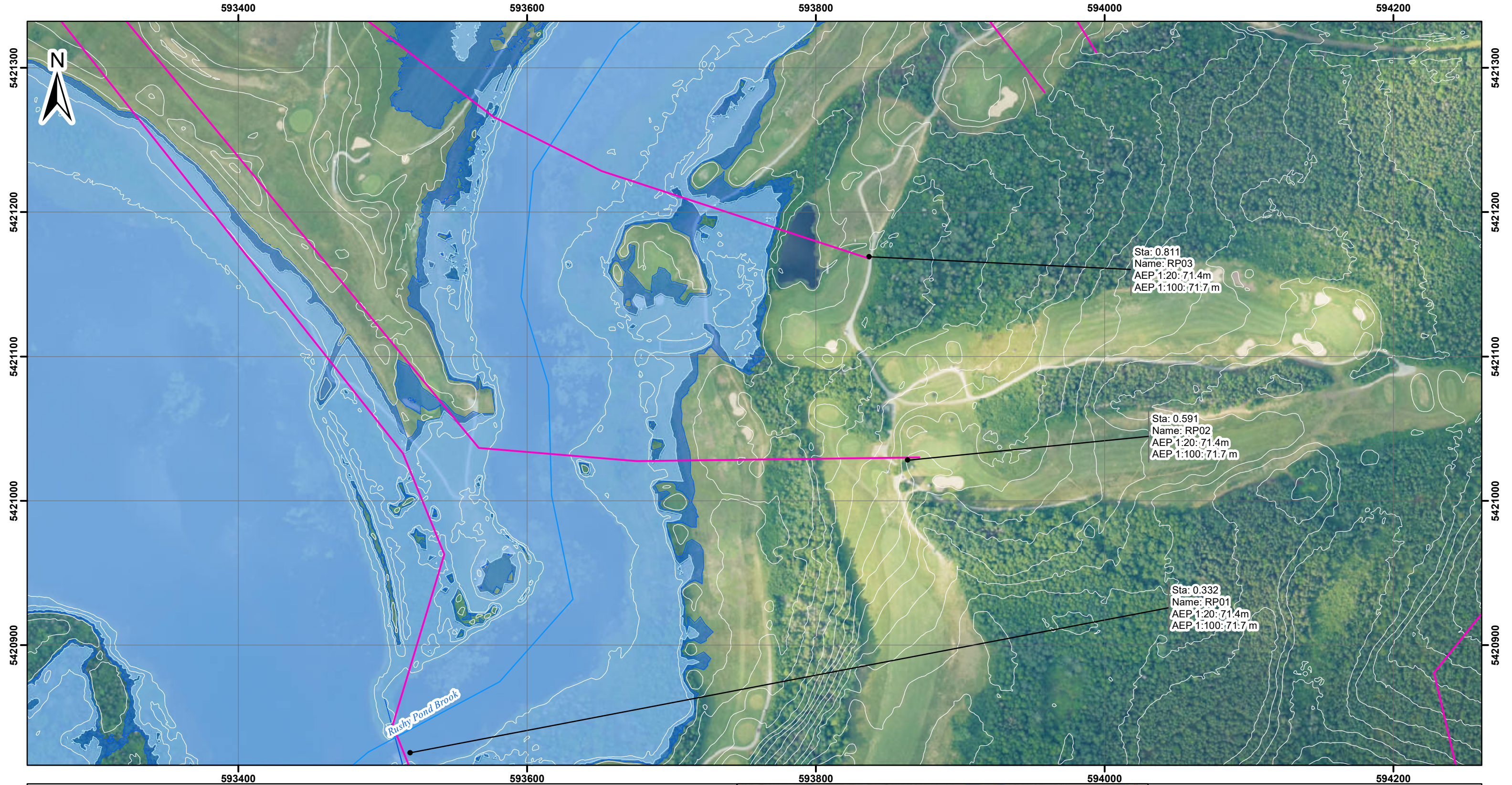
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566

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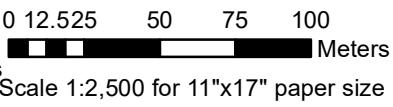


Legend

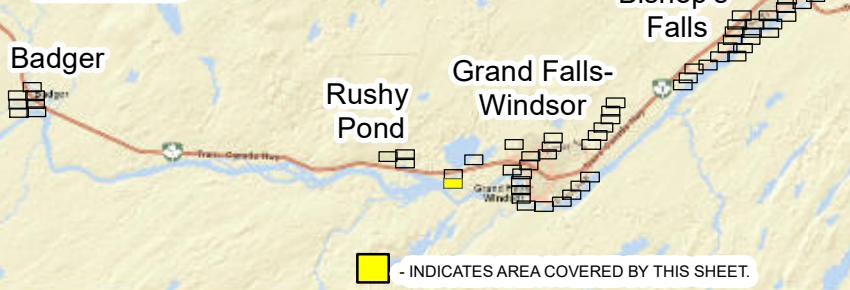
- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

NOTES:

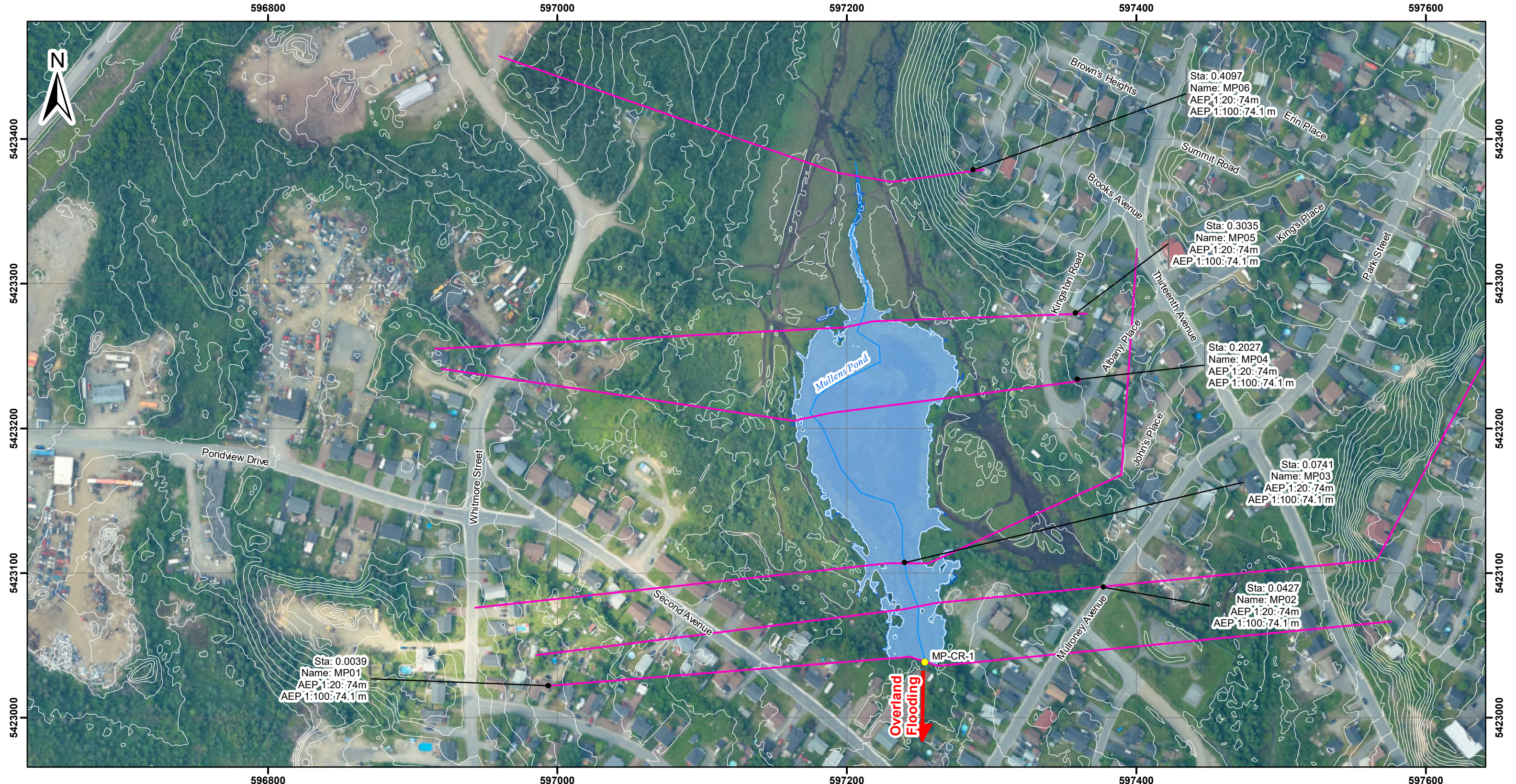
- Coordinates are based on the Universal Transverse Mercator Projection, North American Datum 1983, Zone 21N. Elevation data is based on the Canadian Geodetic Vertical Datum (CGVD) 2013.
- Lidar data by Leading Edge Geomatics Aug. 15-16, 2019.
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- Topographic map and world imagery outside project area by ESRI.



KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 13 of 61
PROJECT #: H-358566	



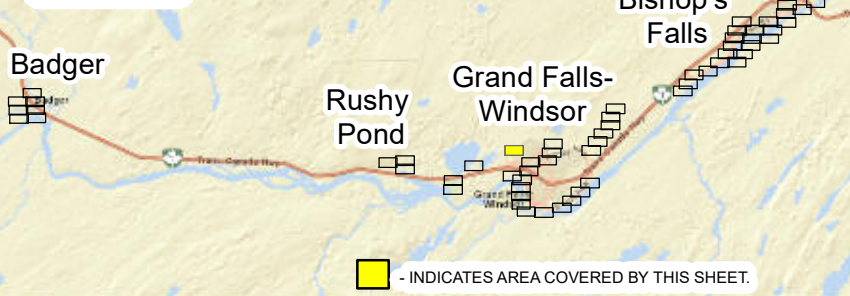
Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
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- Bridge
- Culvert
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- Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.
- 0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



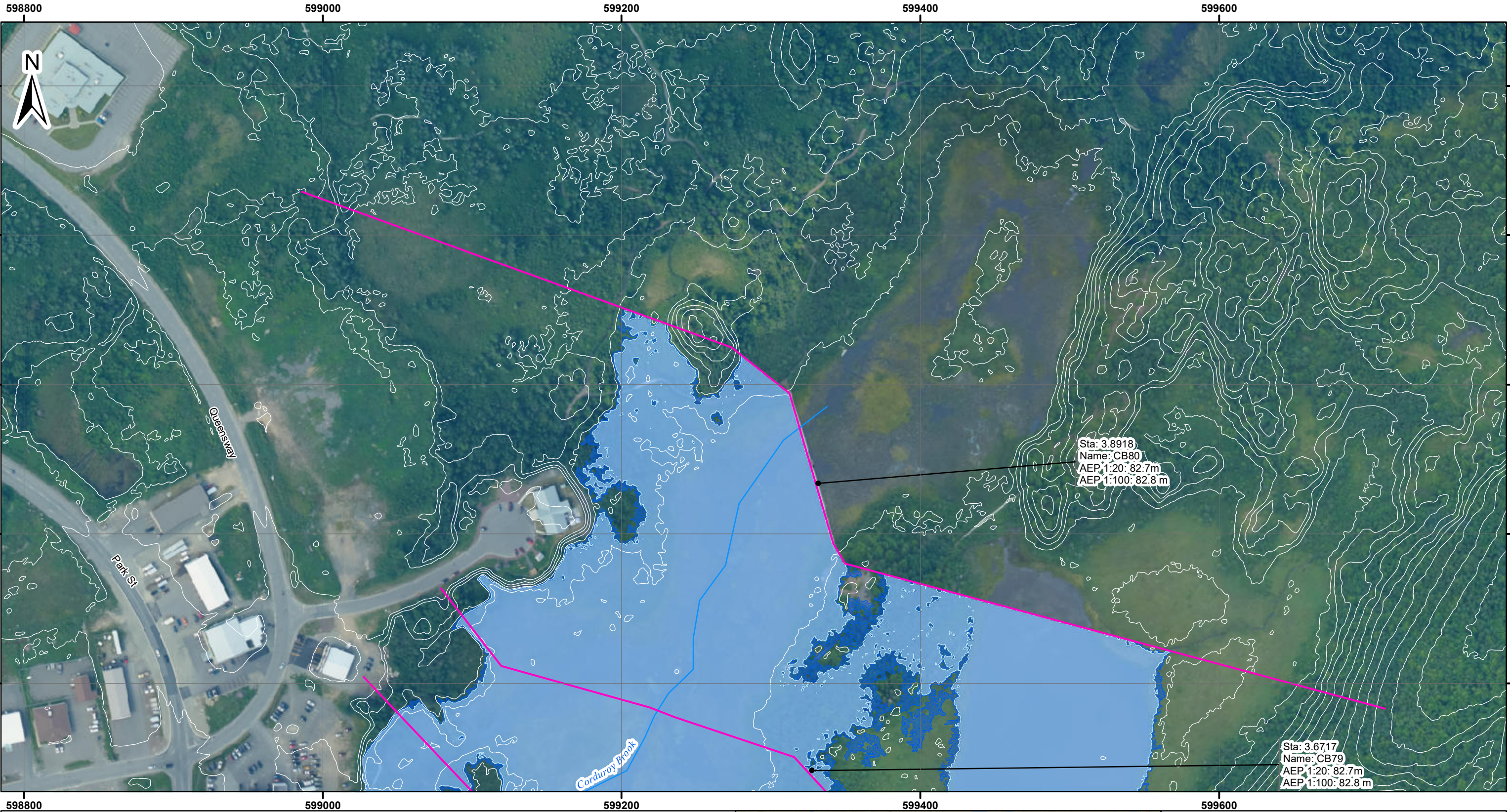
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566



Legend

1:20 AEP Flood Zone Climate Change

1:100 AEP Flood Zone Climate Change

Watercourse Centerline

1 m Contours

Bridge

Culvert

Hydrometric Station

Overland Flooding

Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

NOTES:

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4. Topographic map and world imagery outside project area by ESRI.

0 12.525 50 75 100

Meters

Scale 1:2,500 for 11"x17" paper size

Cross Sections

KEY MAP:

HATCH

Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION

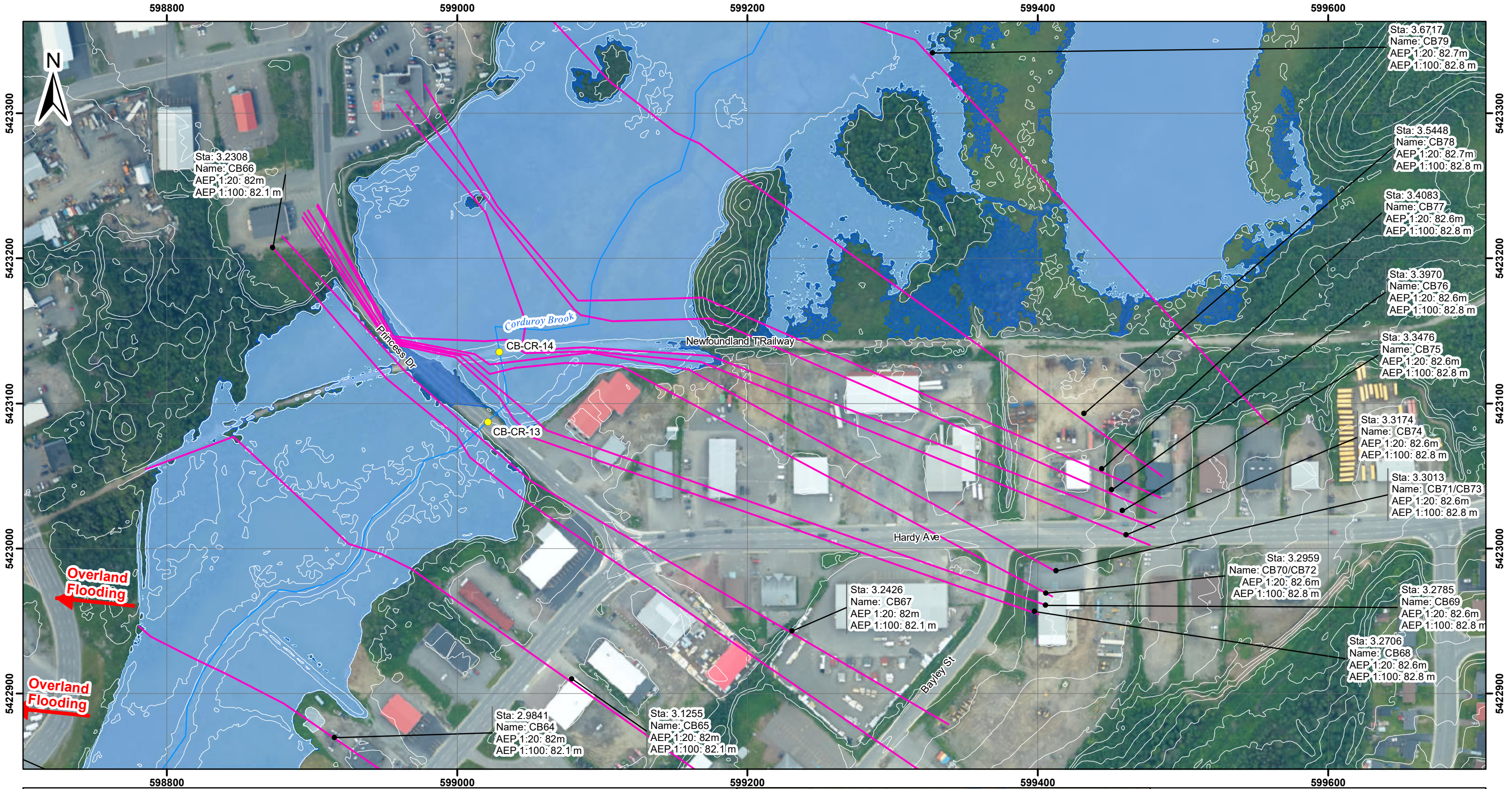
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566

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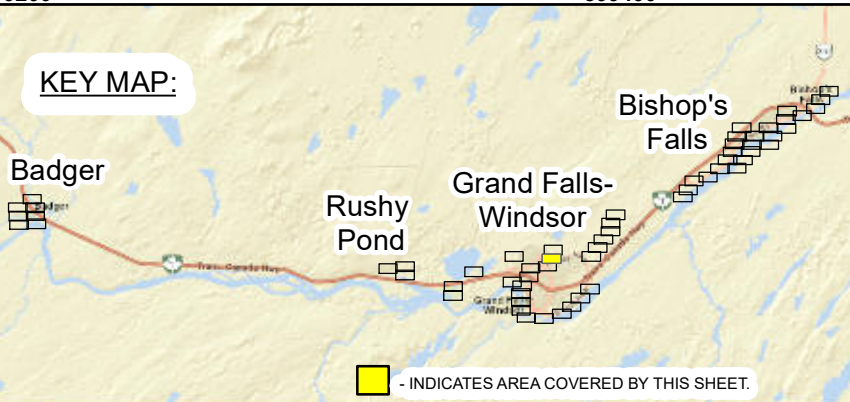
Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
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- Overland Flooding
- Bridge
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AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.
- 0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



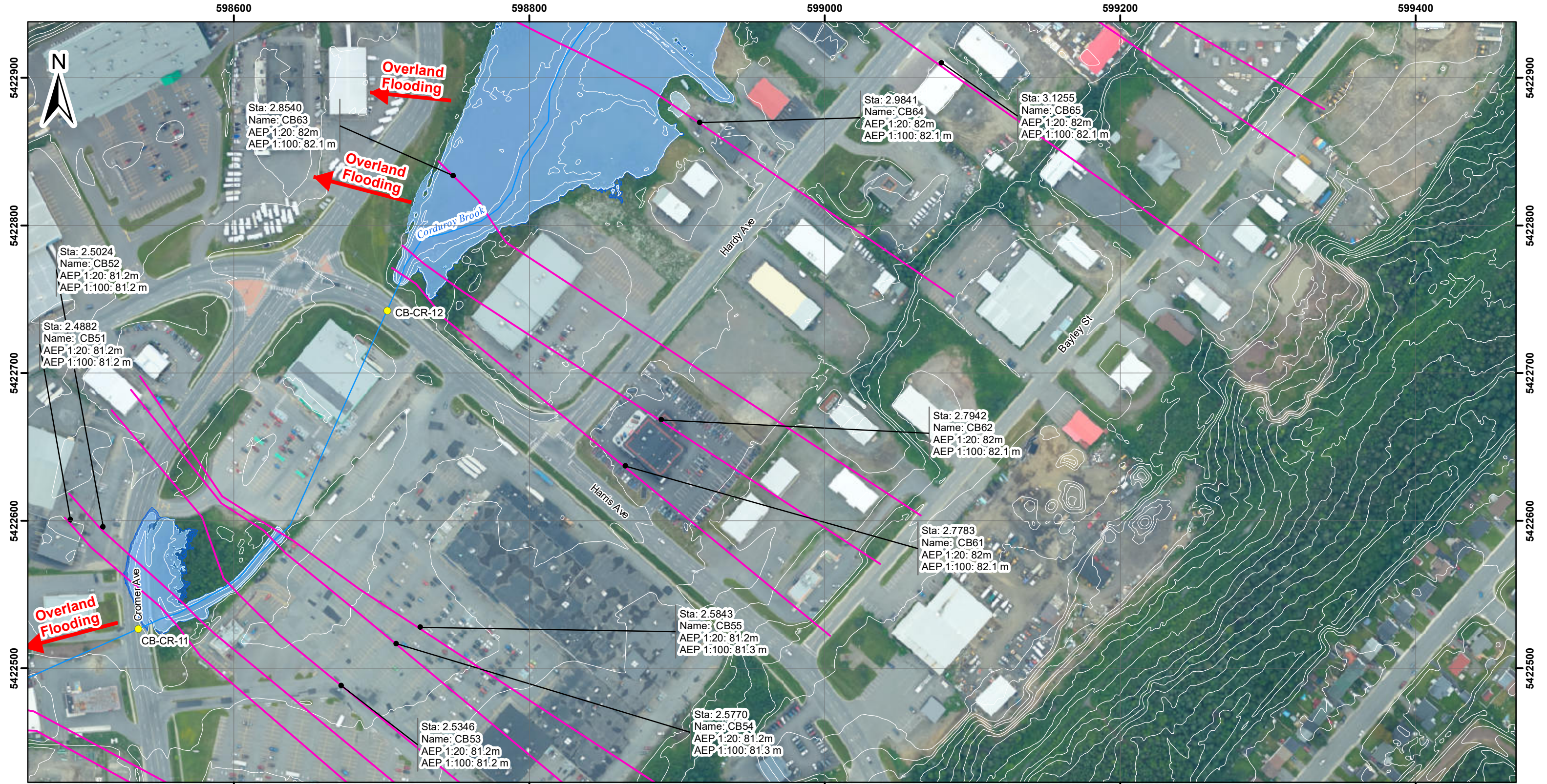


WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021
PROJECT #: H-358566

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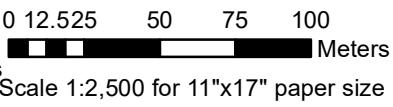


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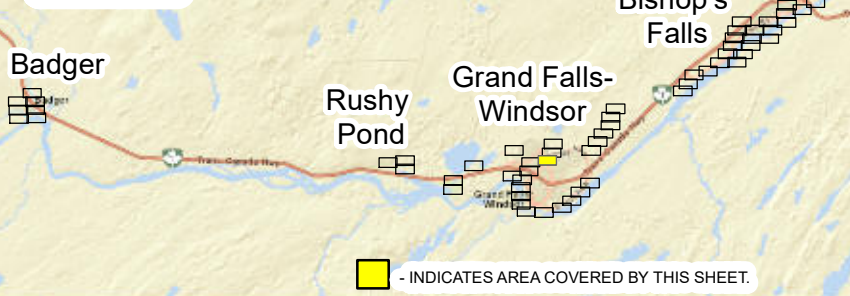
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- 1:100 AEP Flood Zone Climate Change
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KEY MAP:



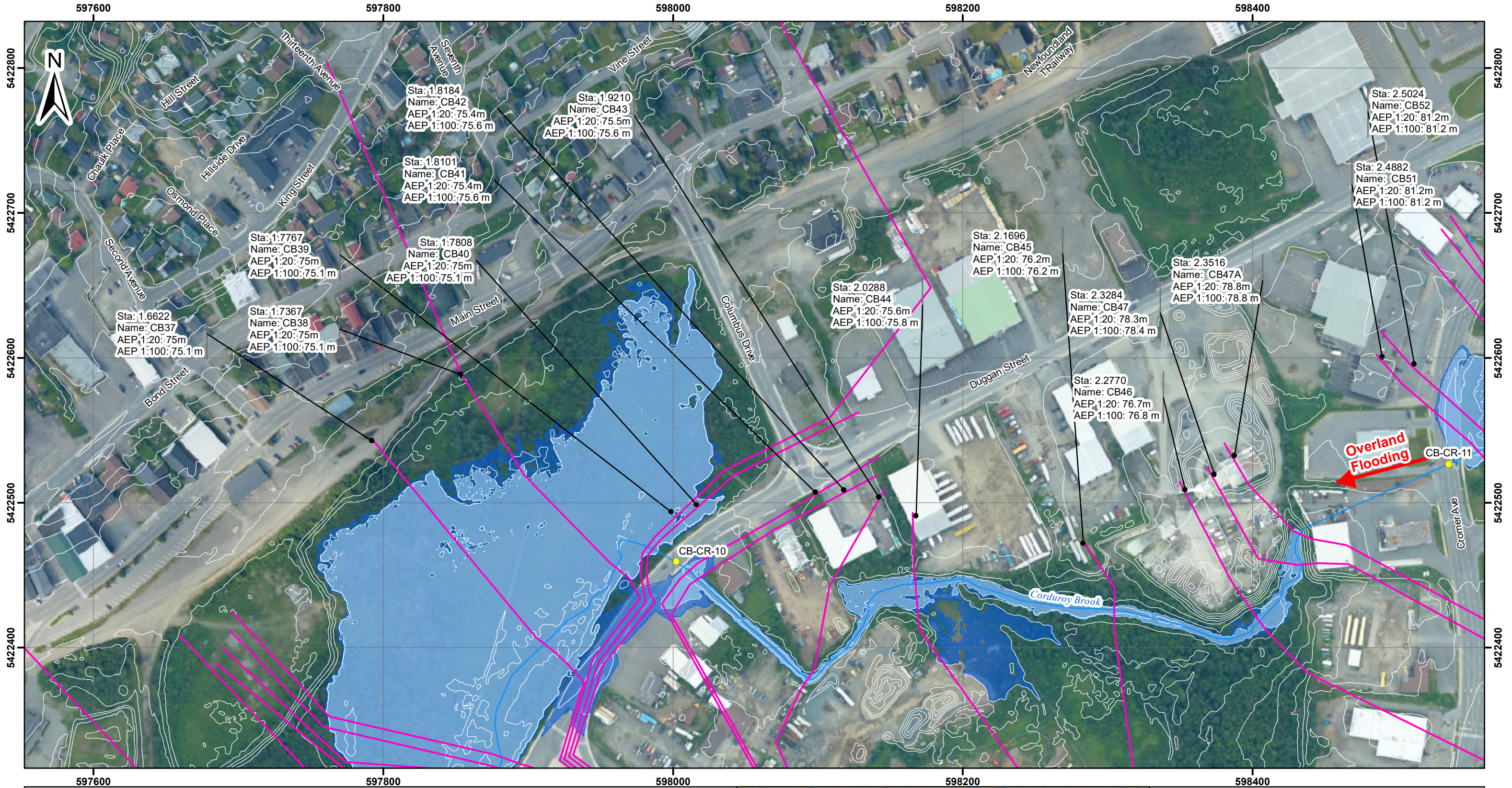
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566

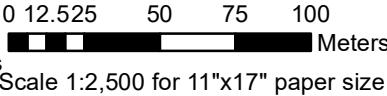


Legend

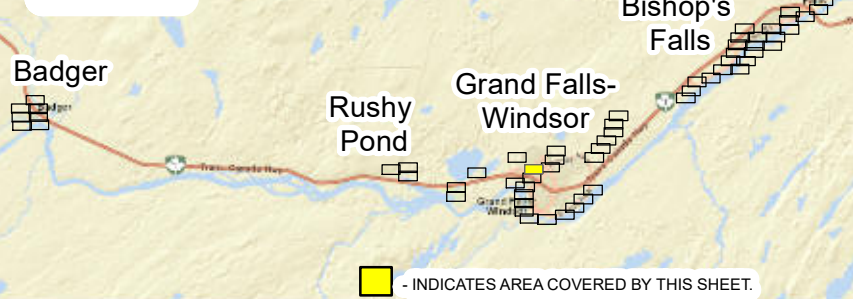
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- 1:100 AEP Flood Zone Climate Change
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- 1 m Contours
- Overland Flooding
- Bridge
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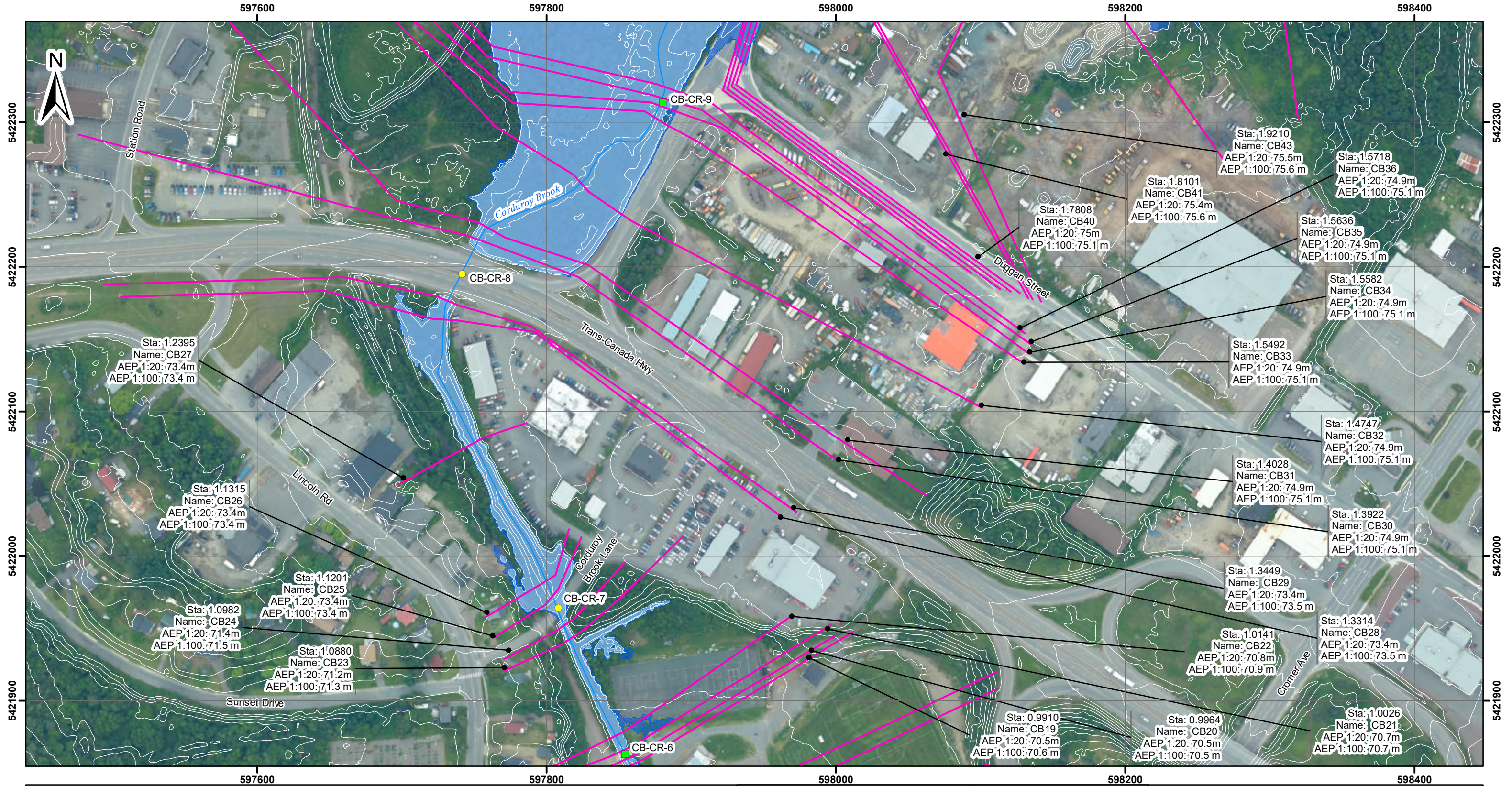


WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566



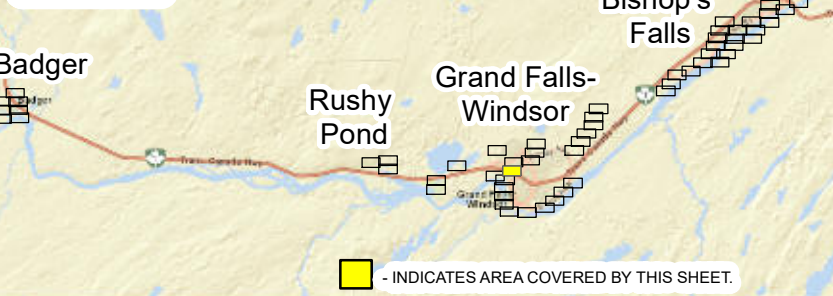
Legend

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- 1 m Contours
- Overland Flooding
- Bridge
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Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.
- 0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



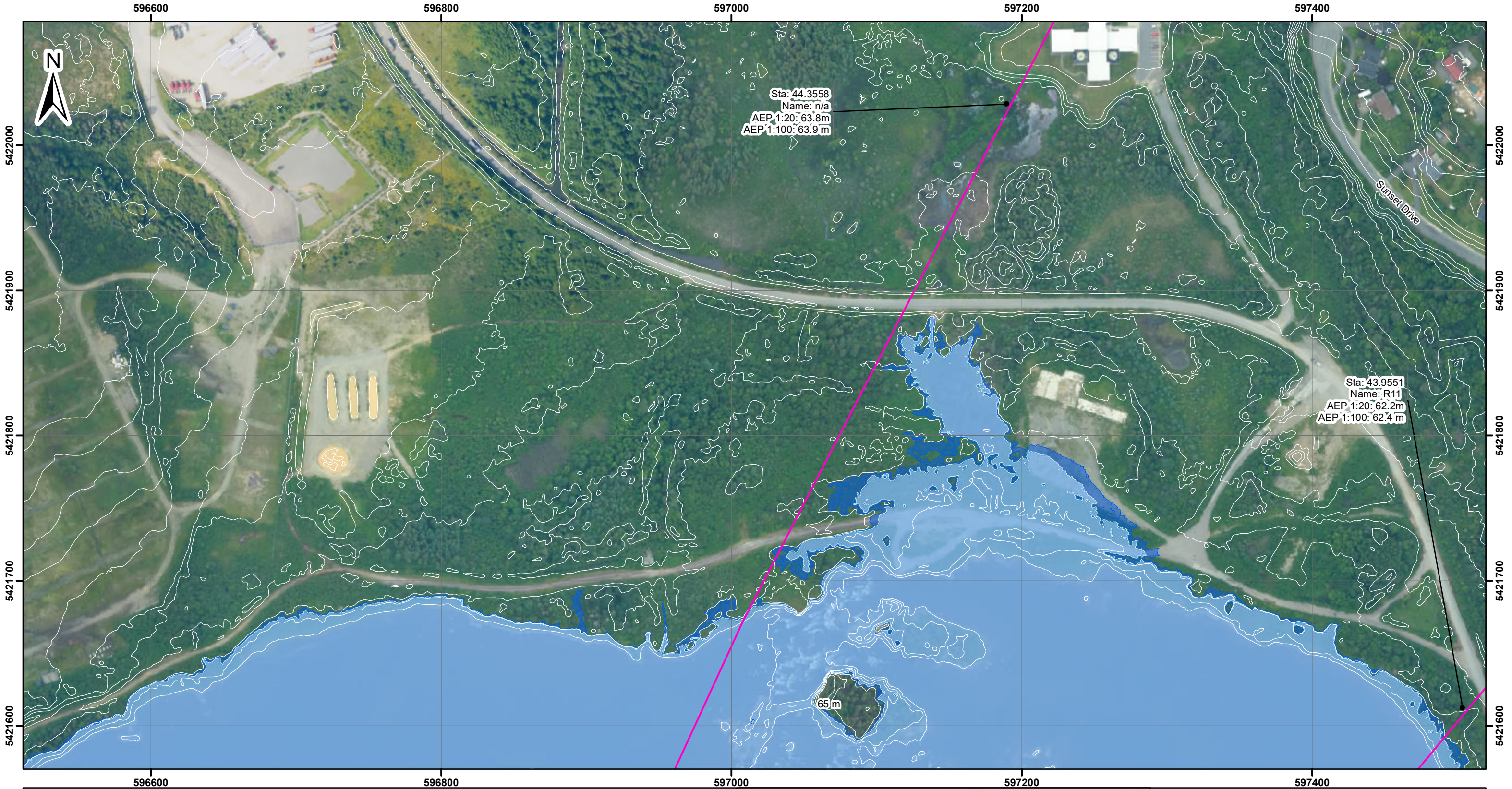
HATCH
Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021
PROJECT #: H-358566

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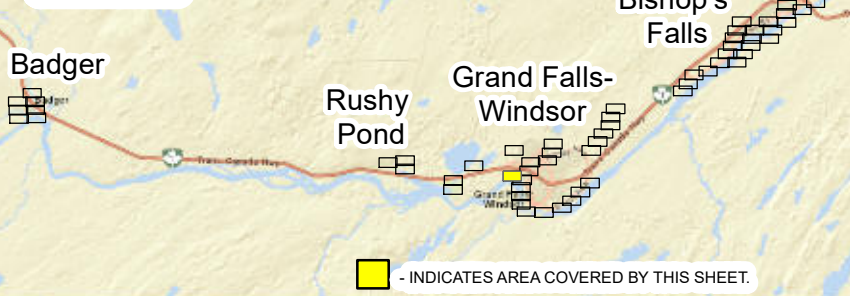
Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

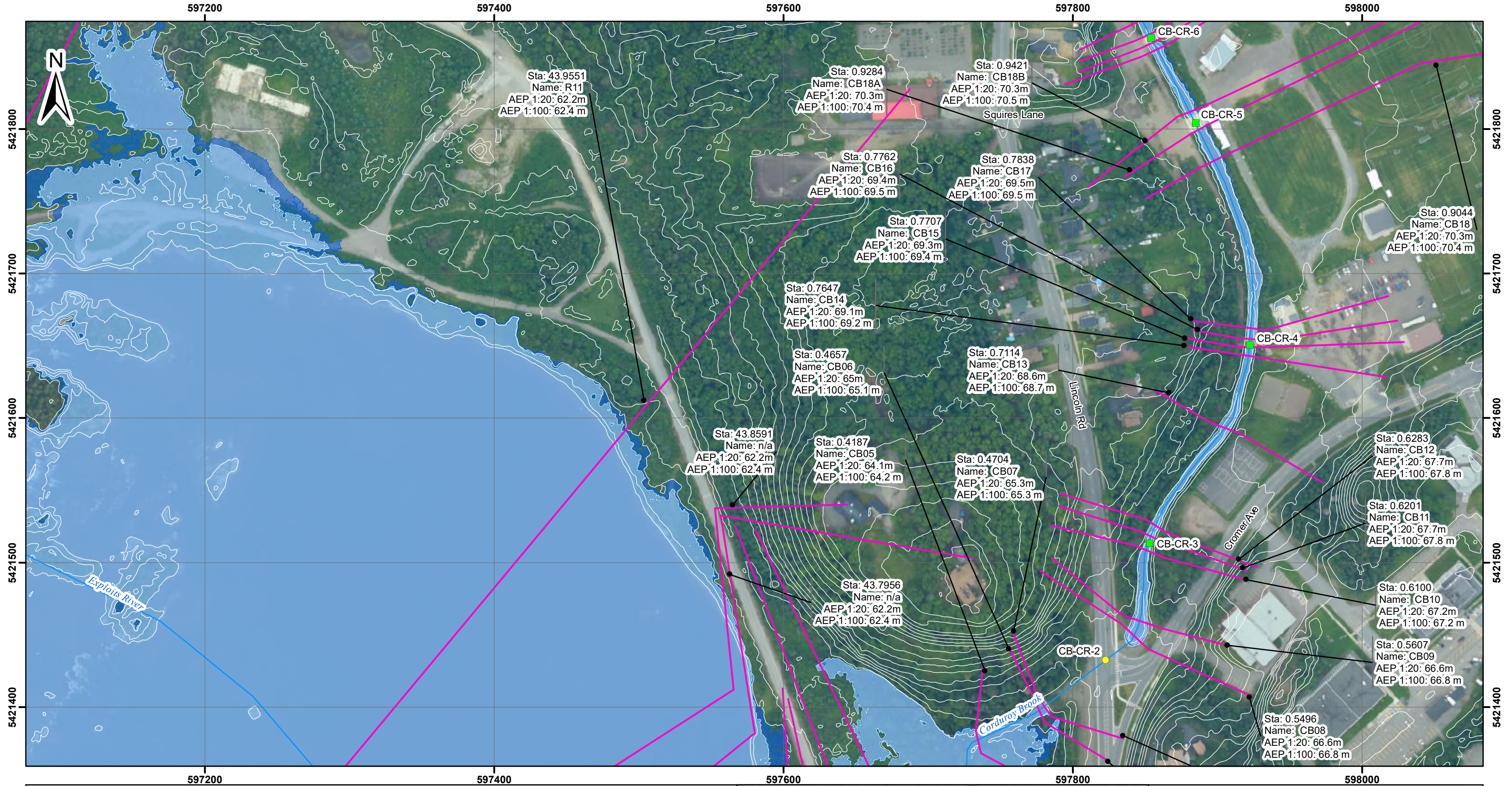
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KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 20 of 61
PROJECT #: H-358566	



Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

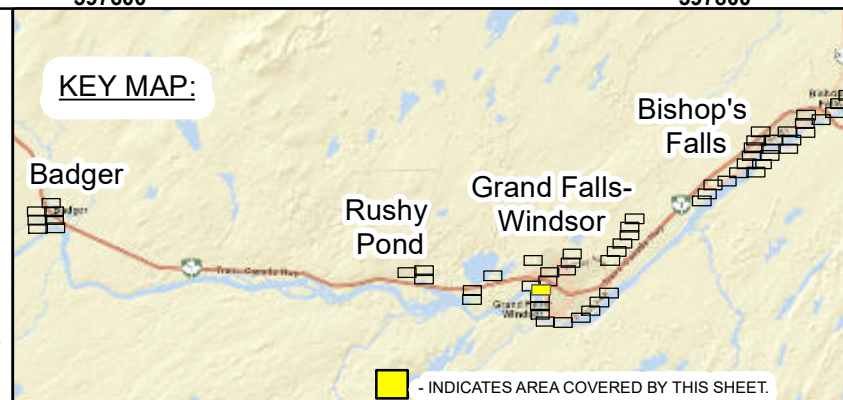
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0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

Cross Sections

KEY MAP:

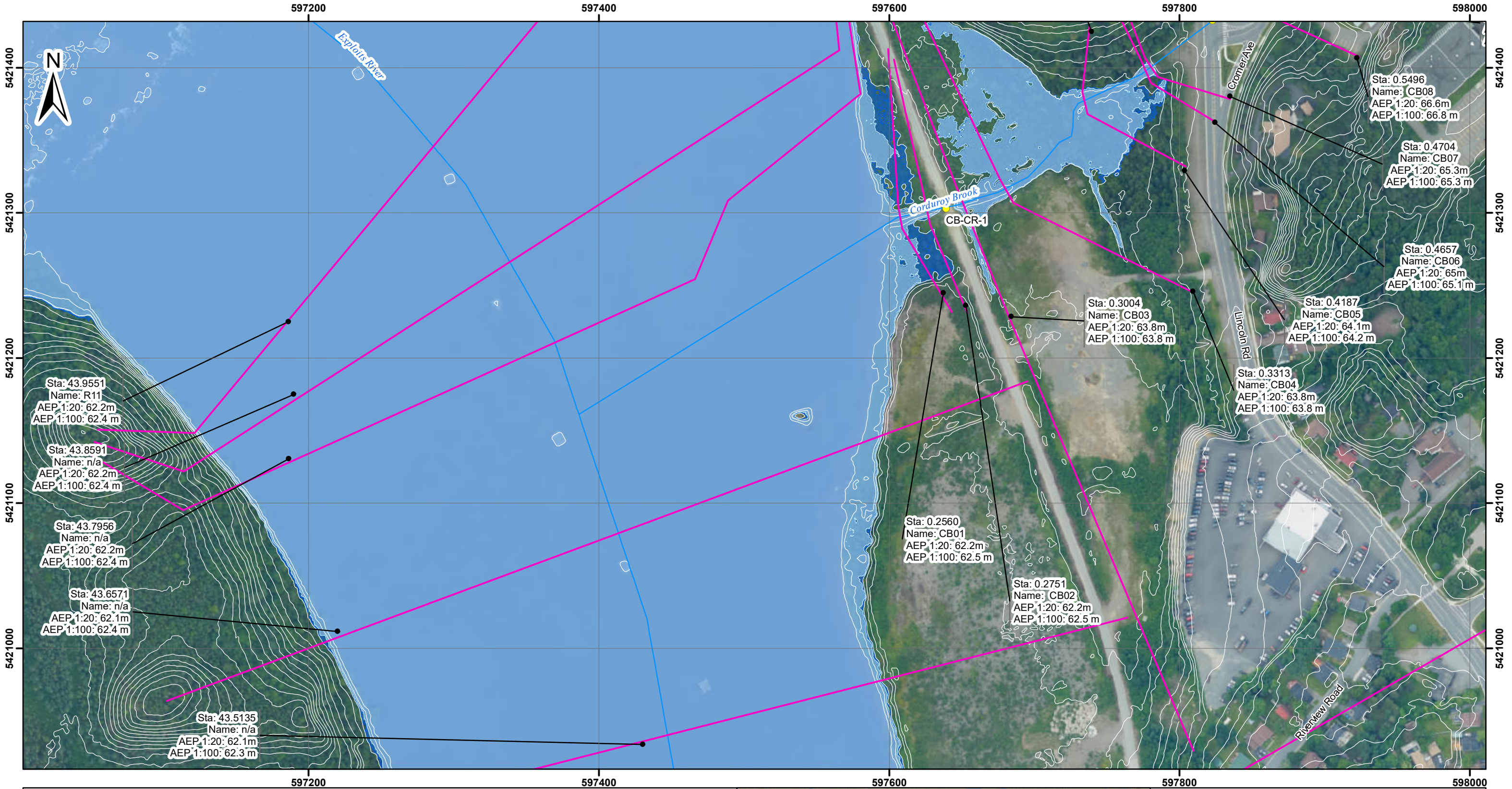


WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021
PROJECT #: H-358566

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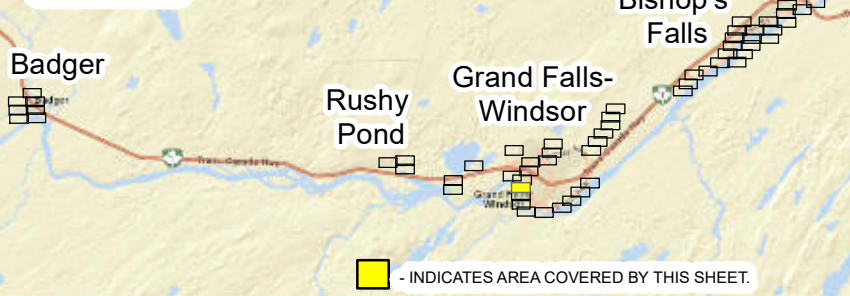
Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
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AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.
- 0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



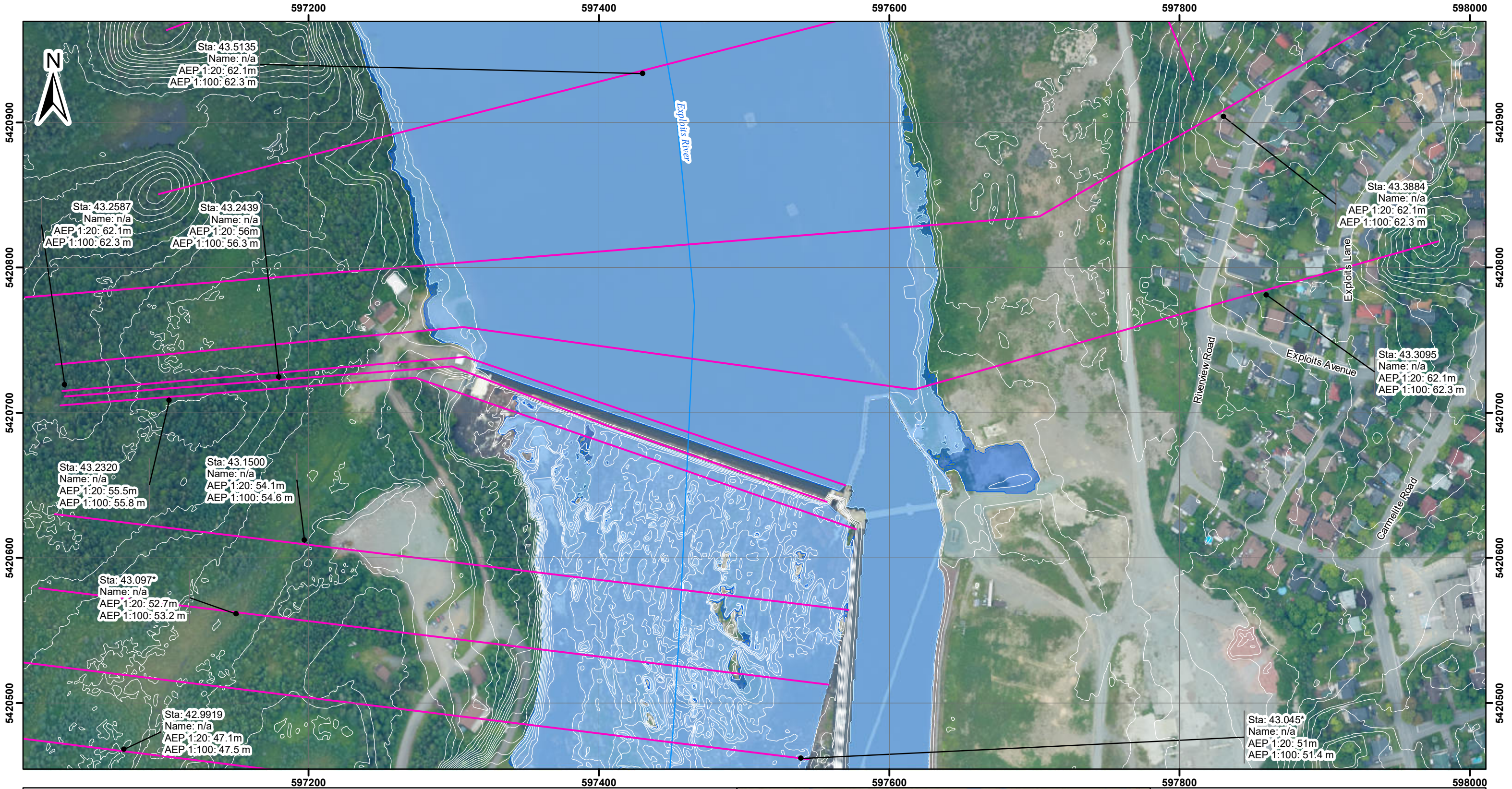
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566



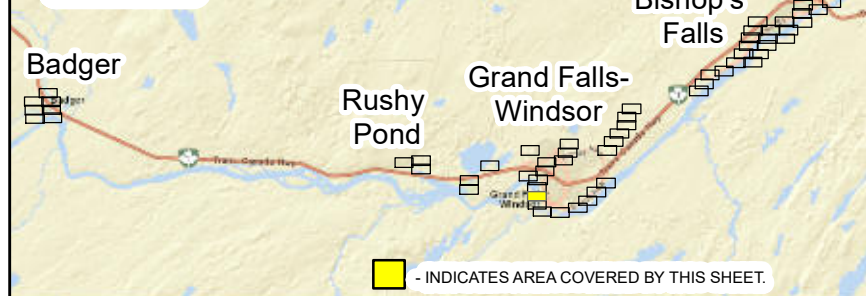
Legend

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- 1:100 AEP Flood Zone Climate Change
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AEP 1:100: 1:100 Water Surface El.
- 0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



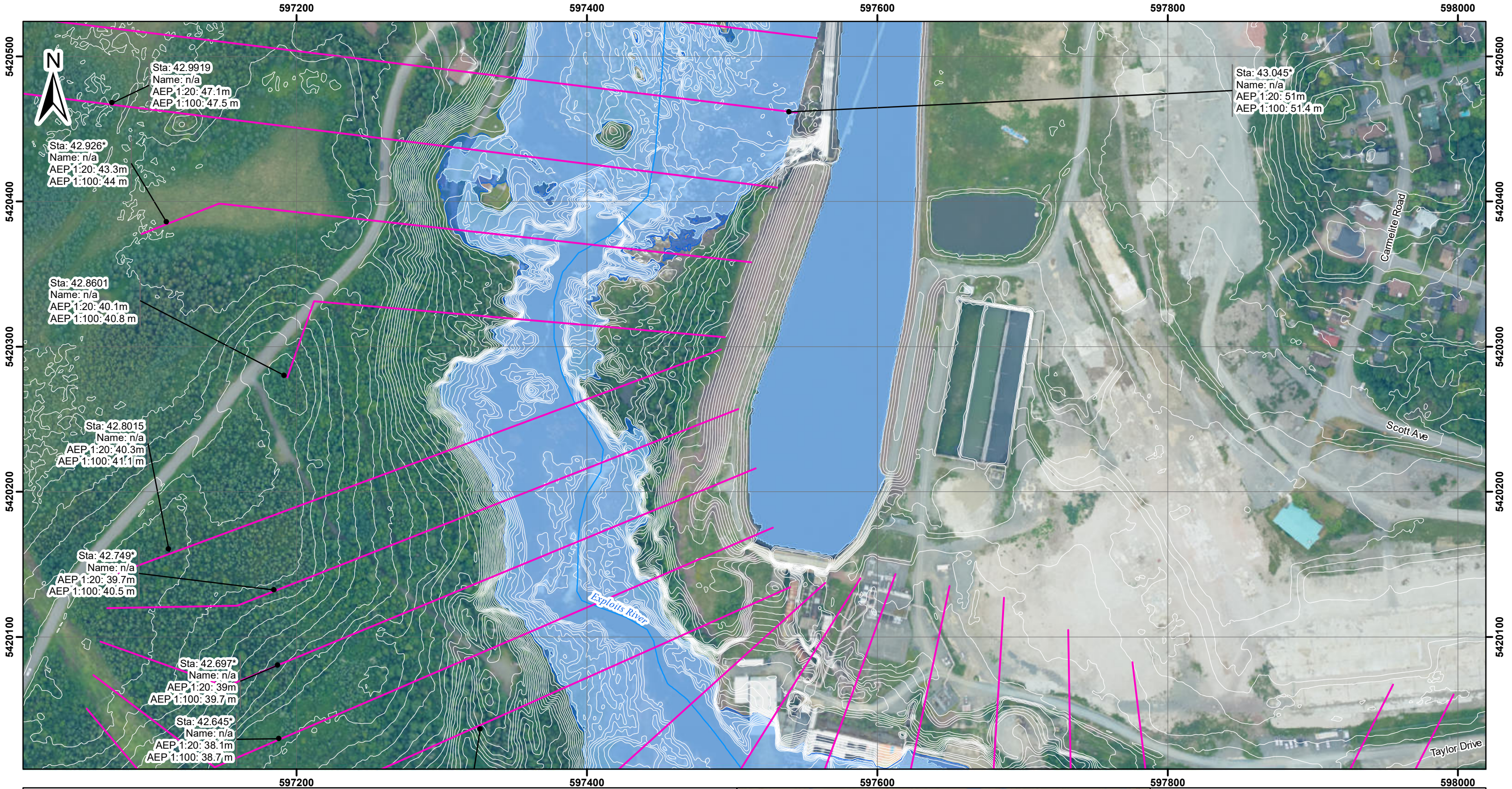
HATCH
Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021
PROJECT #: H-358566

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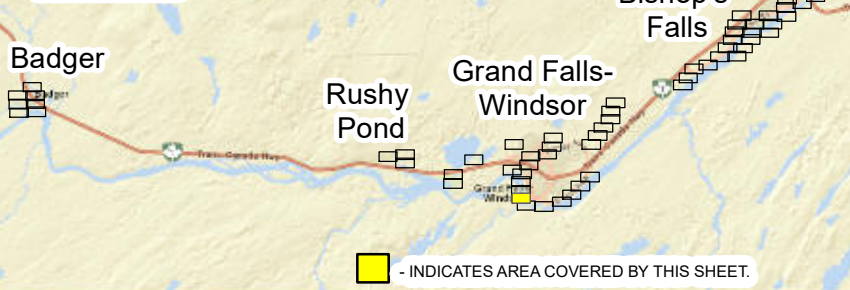
Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

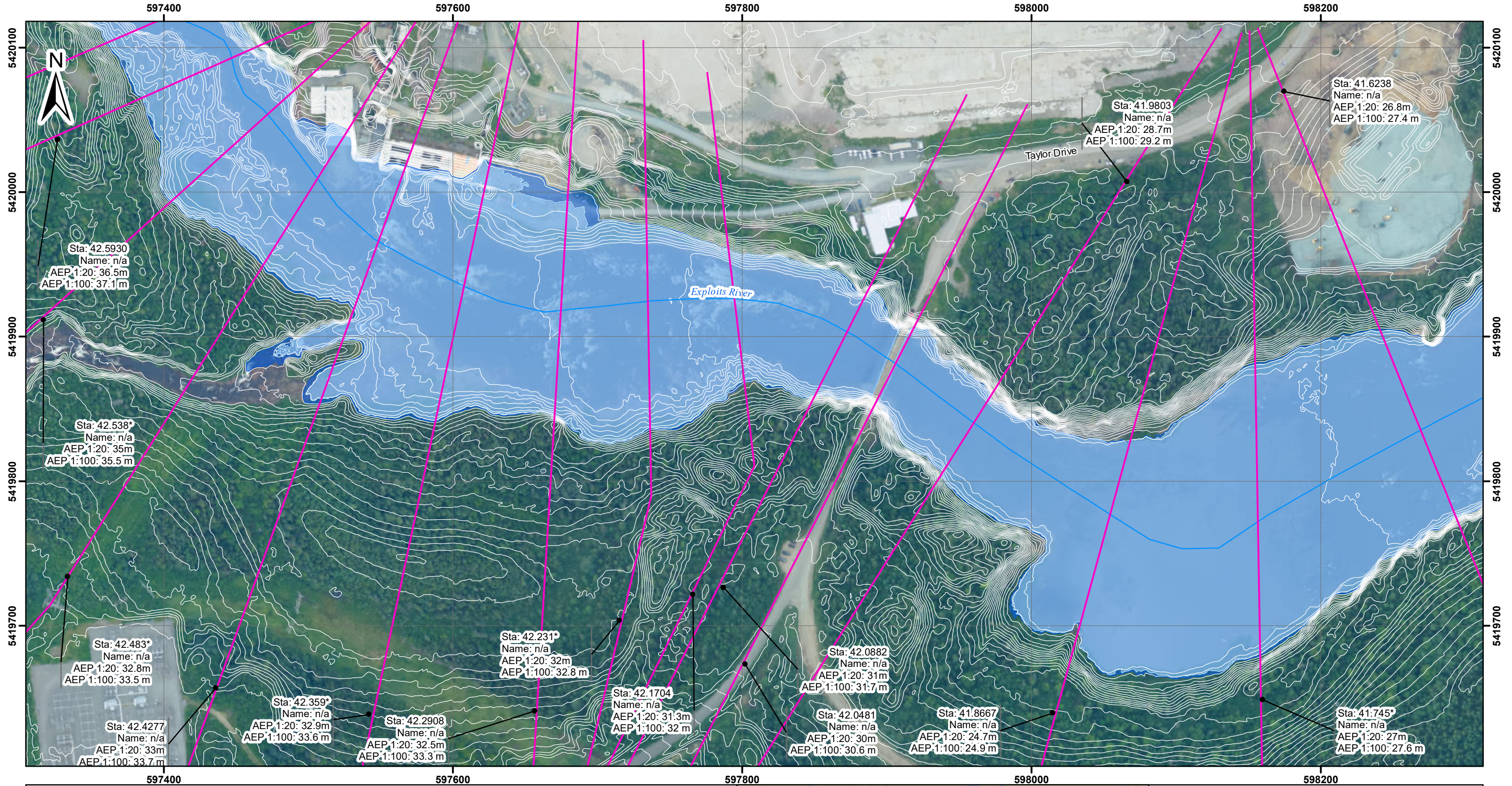
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AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.
- 0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 24 of 61
PROJECT #: H-358566	



Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

NOTES:

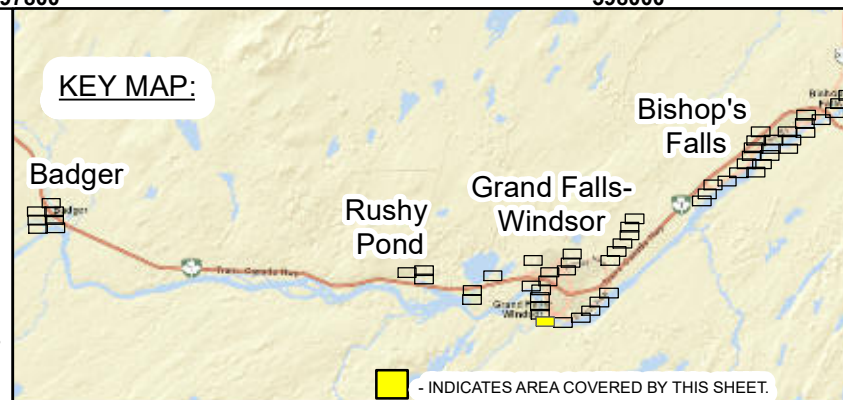
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Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

Cross Sections

0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



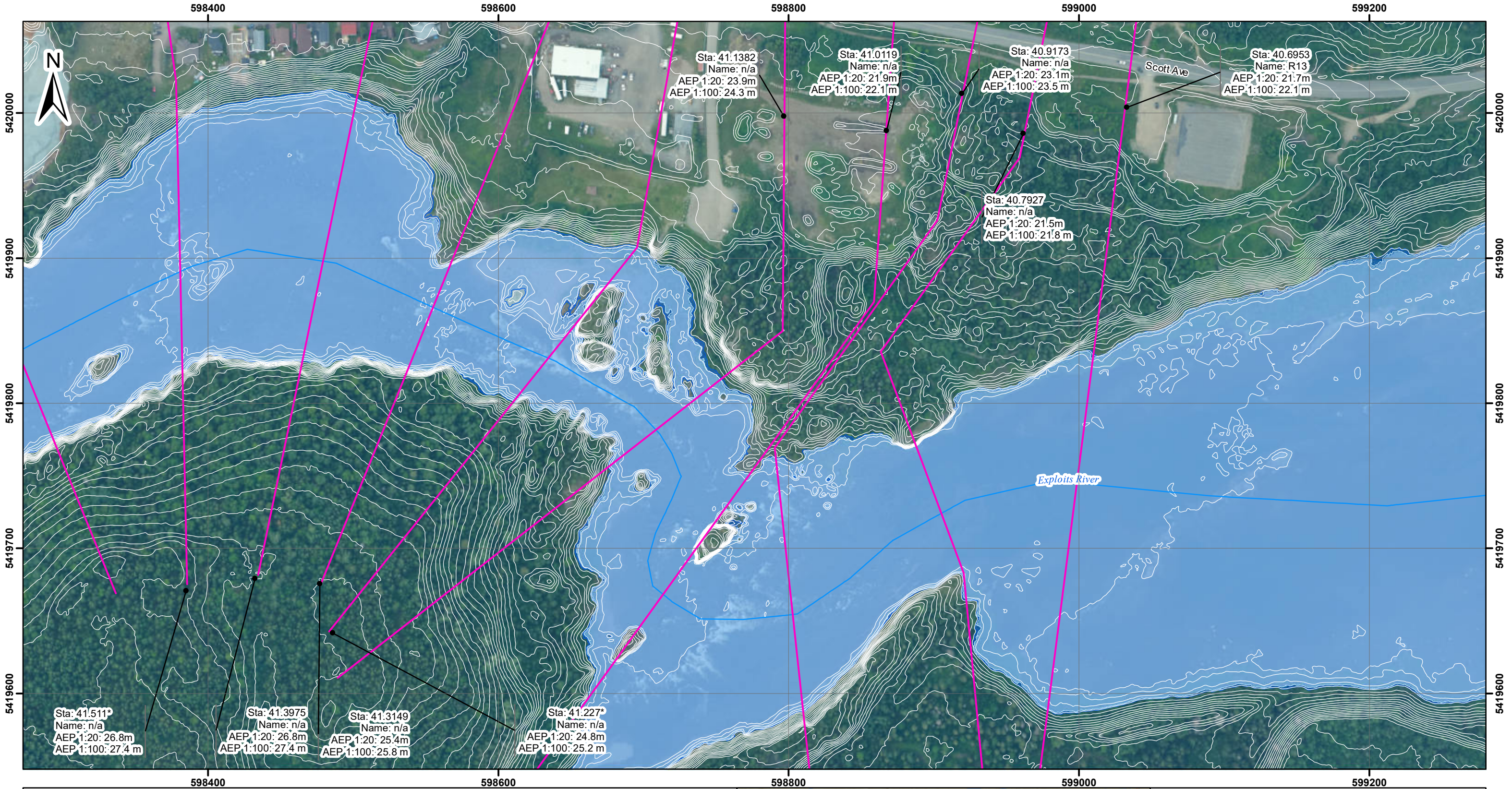
HATCH
Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021
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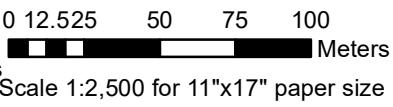


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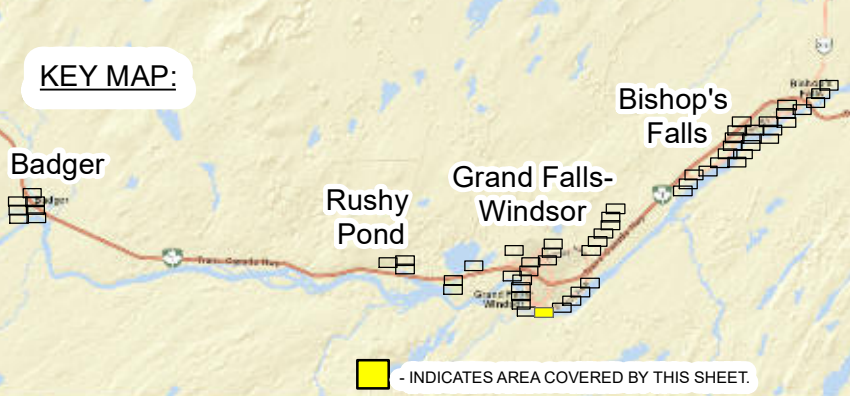
- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station
- Sta: Station
- Name: Survey ID (n/a if not surveyed)
- AEP 1:20: 1:20 Water Surface El.
- AEP 1:100: 1:100 Water Surface El.
- Cross Sections

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KEY MAP:



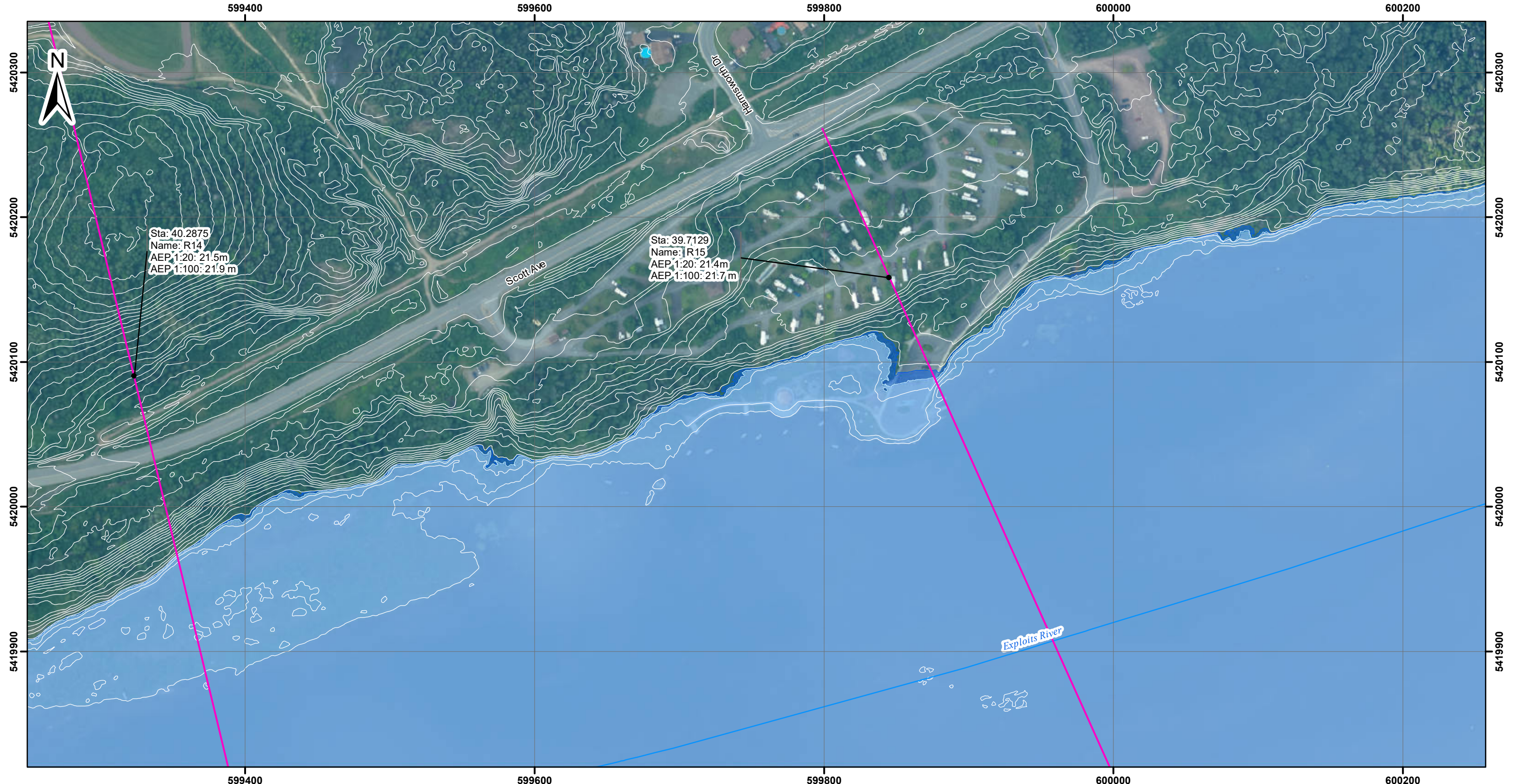


WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021
PROJECT #: H-358566

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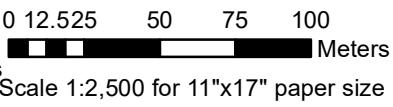


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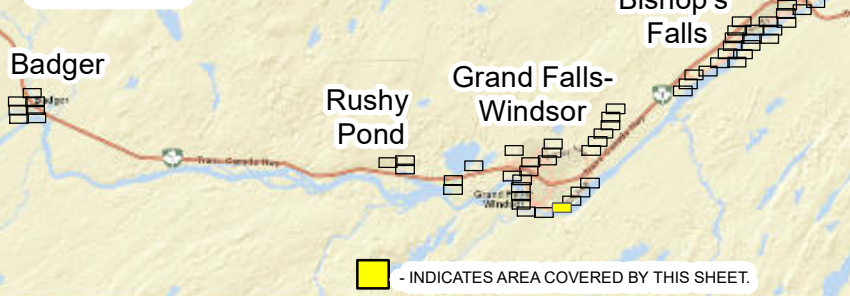
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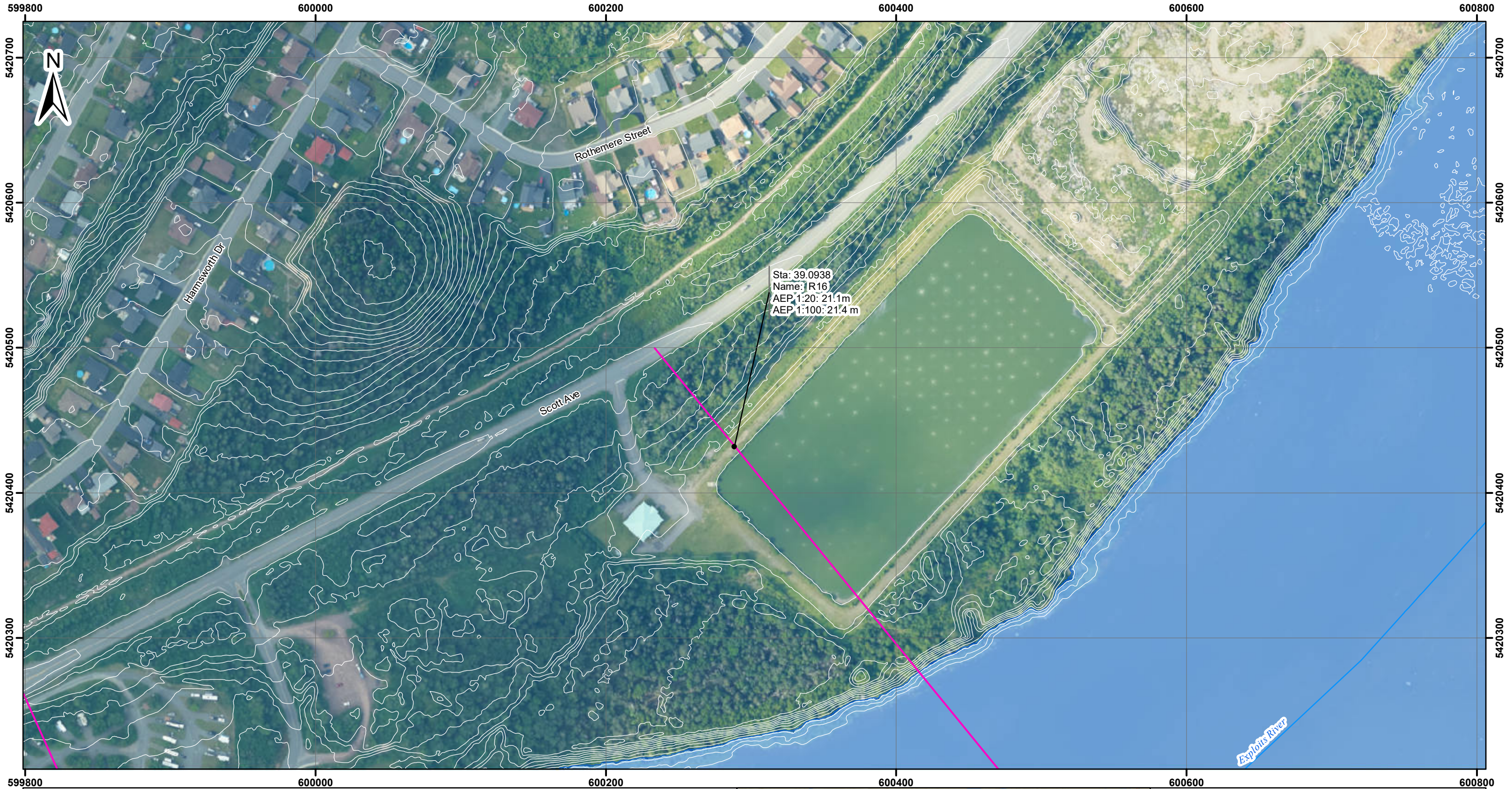
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WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 27 of 61
PROJECT #: H-358566	



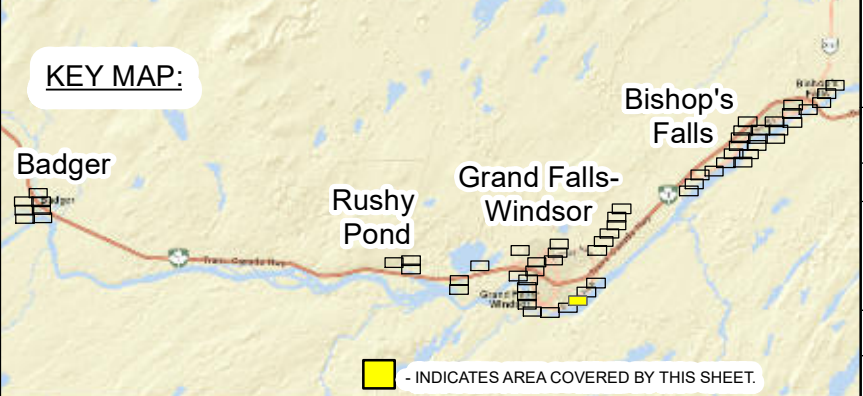
Legend

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Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.
- 0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 28 of 61
PROJECT #: H-358566	



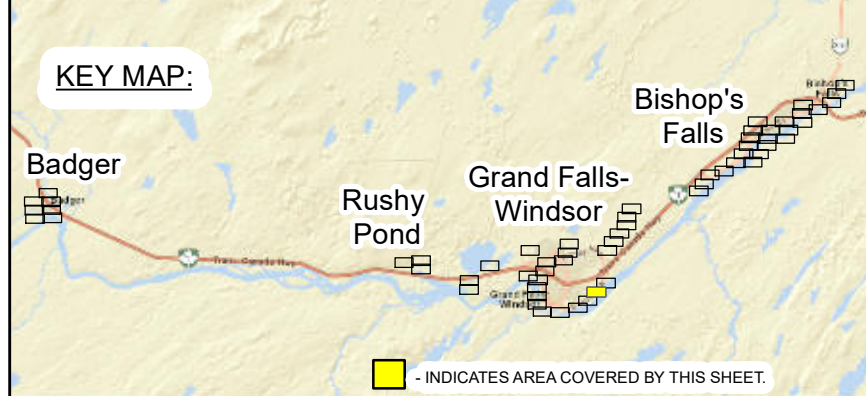
Legend

-  1:20 AEP Flood Zone Climate Change
-  1:100 AEP Flood Zone Climate Change
-  Watercourse Centerline
-  1 m Contours
-  Overland Flooding
-  Bridge
-  Culvert
-  Hydrometric Station

NOTES:

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 - Topographic map and world imagery outside project area by ESRI.
- Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.
-  Cross Sections
- 0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:





WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021
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Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

NOTES:

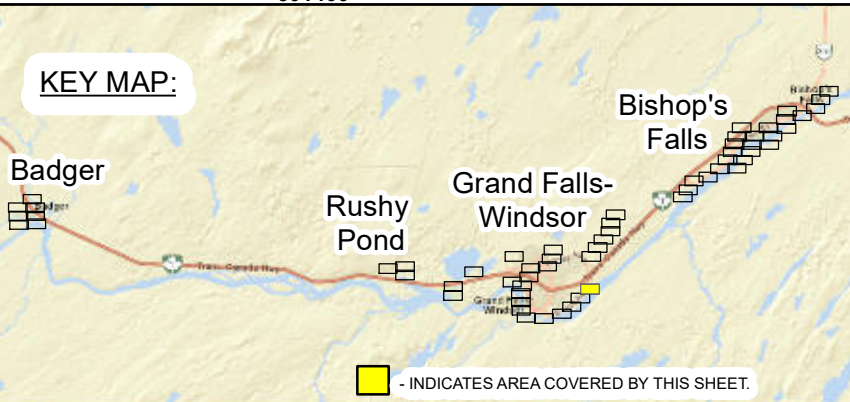
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AEP 1:100: 1:100 Water Surface El.

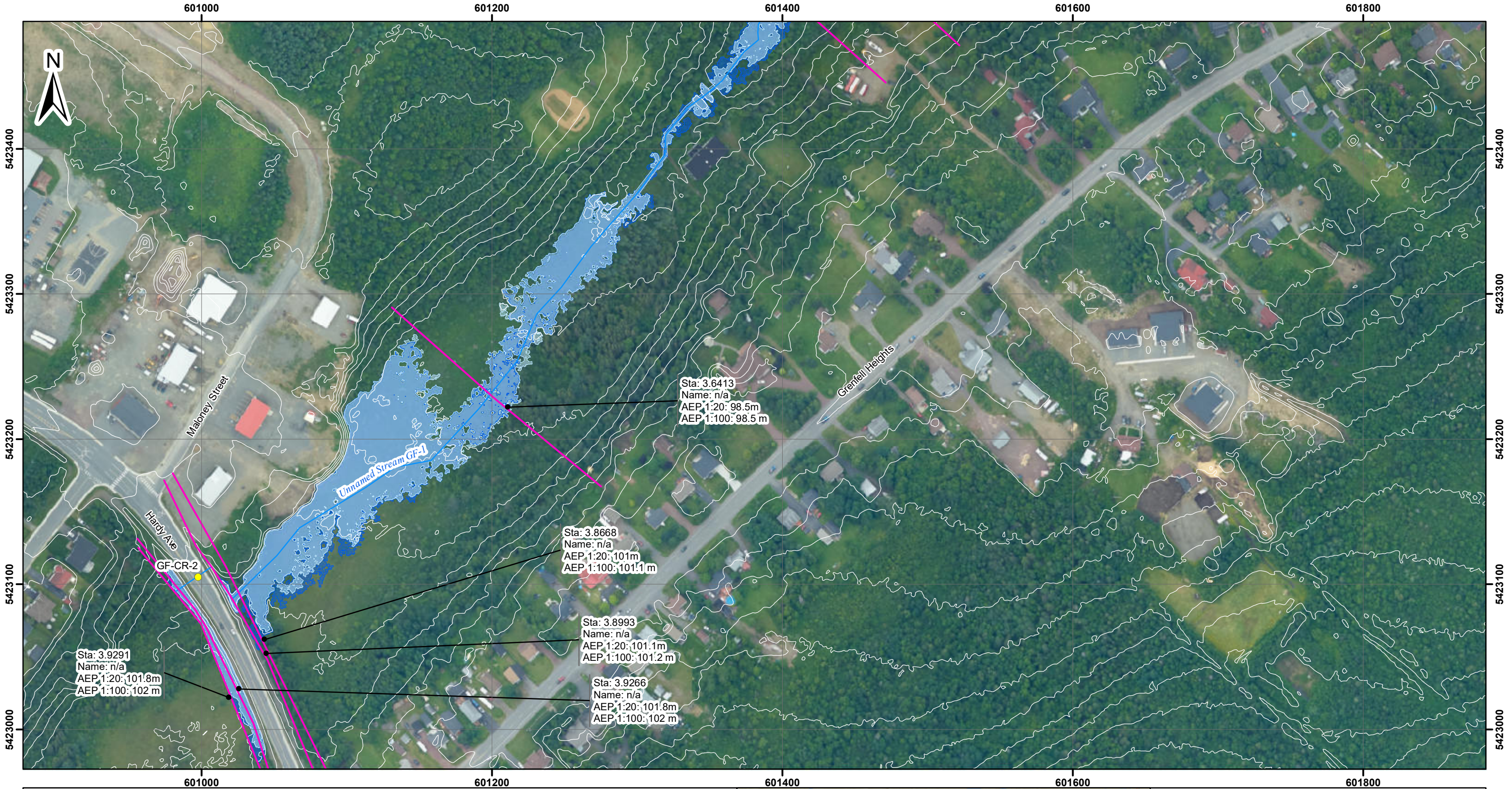
0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

Cross Sections

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 30 of 61
PROJECT #: H-358566	

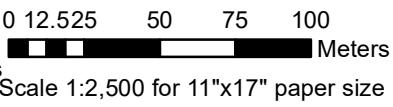


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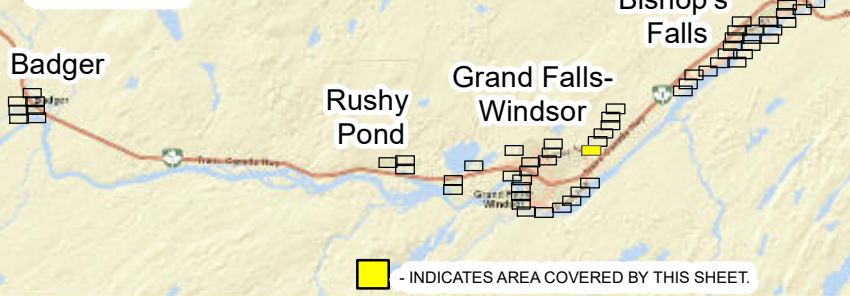
- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

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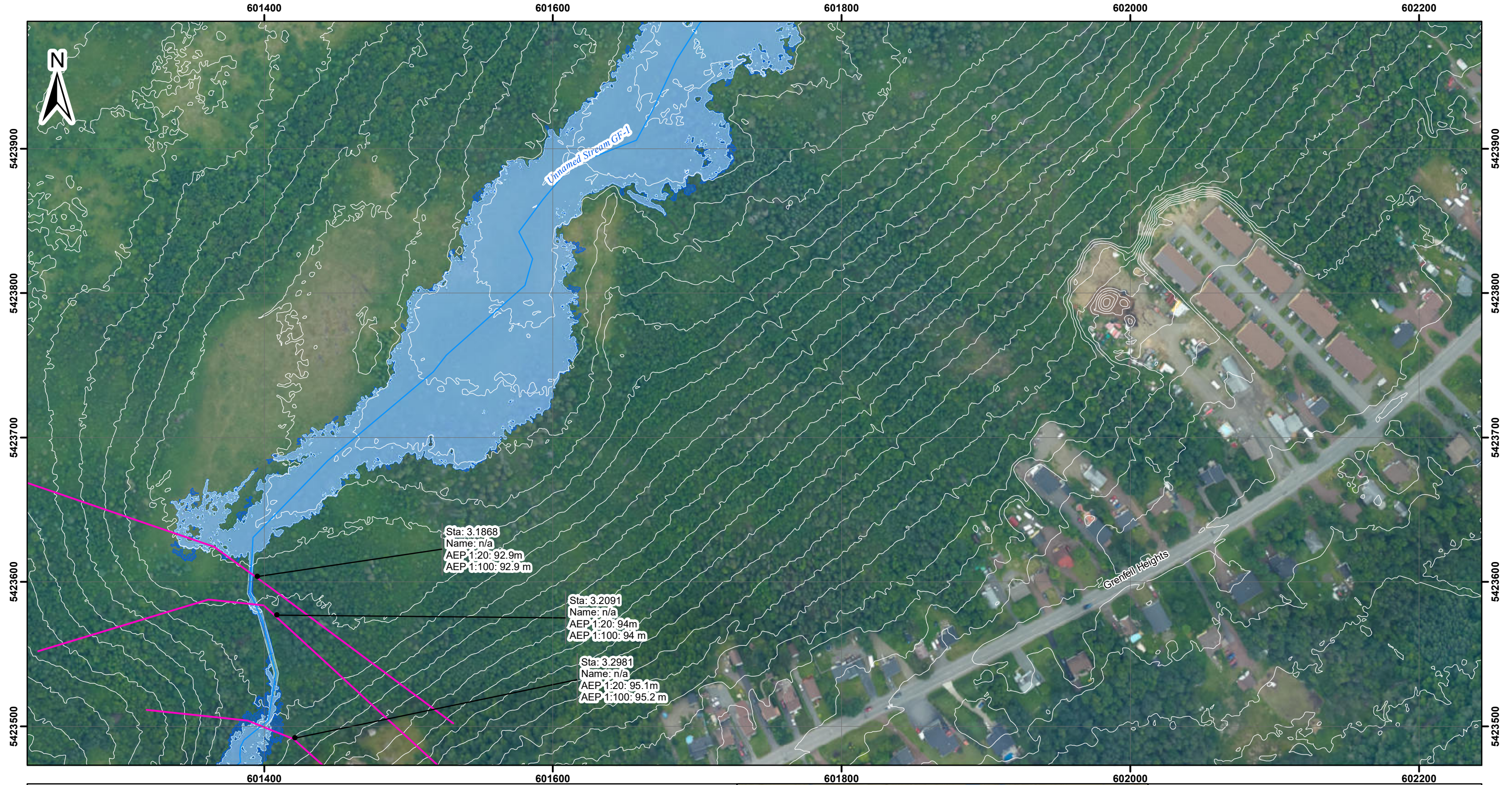
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WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 31 of 61
PROJECT #: H-358566	



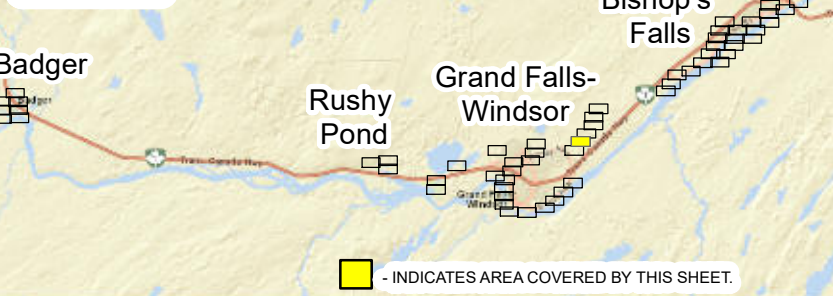
Legend

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- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
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- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

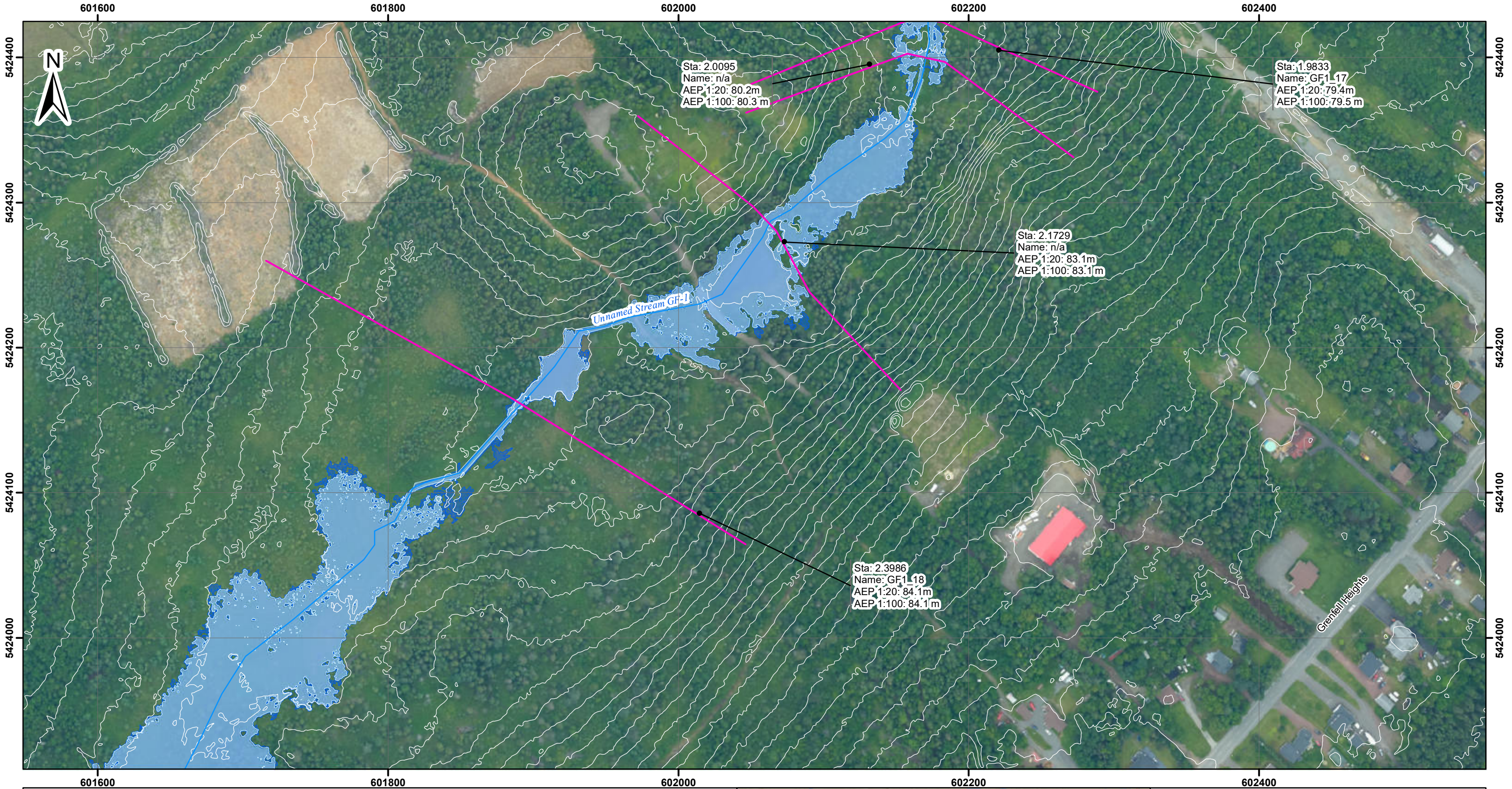
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WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 32 of 61
PROJECT #: H-358566	

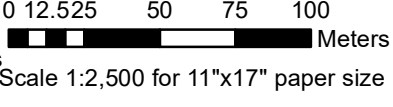


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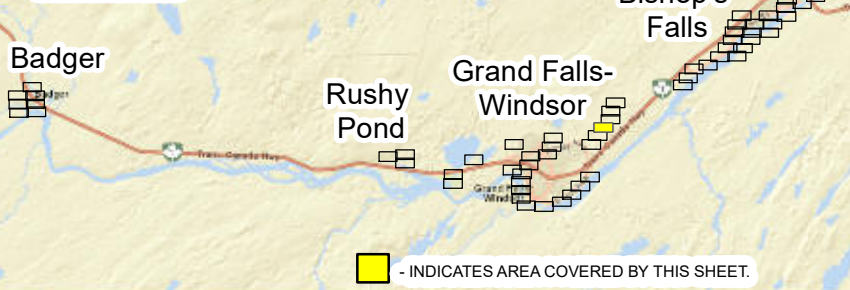
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- Watercourse Centerline
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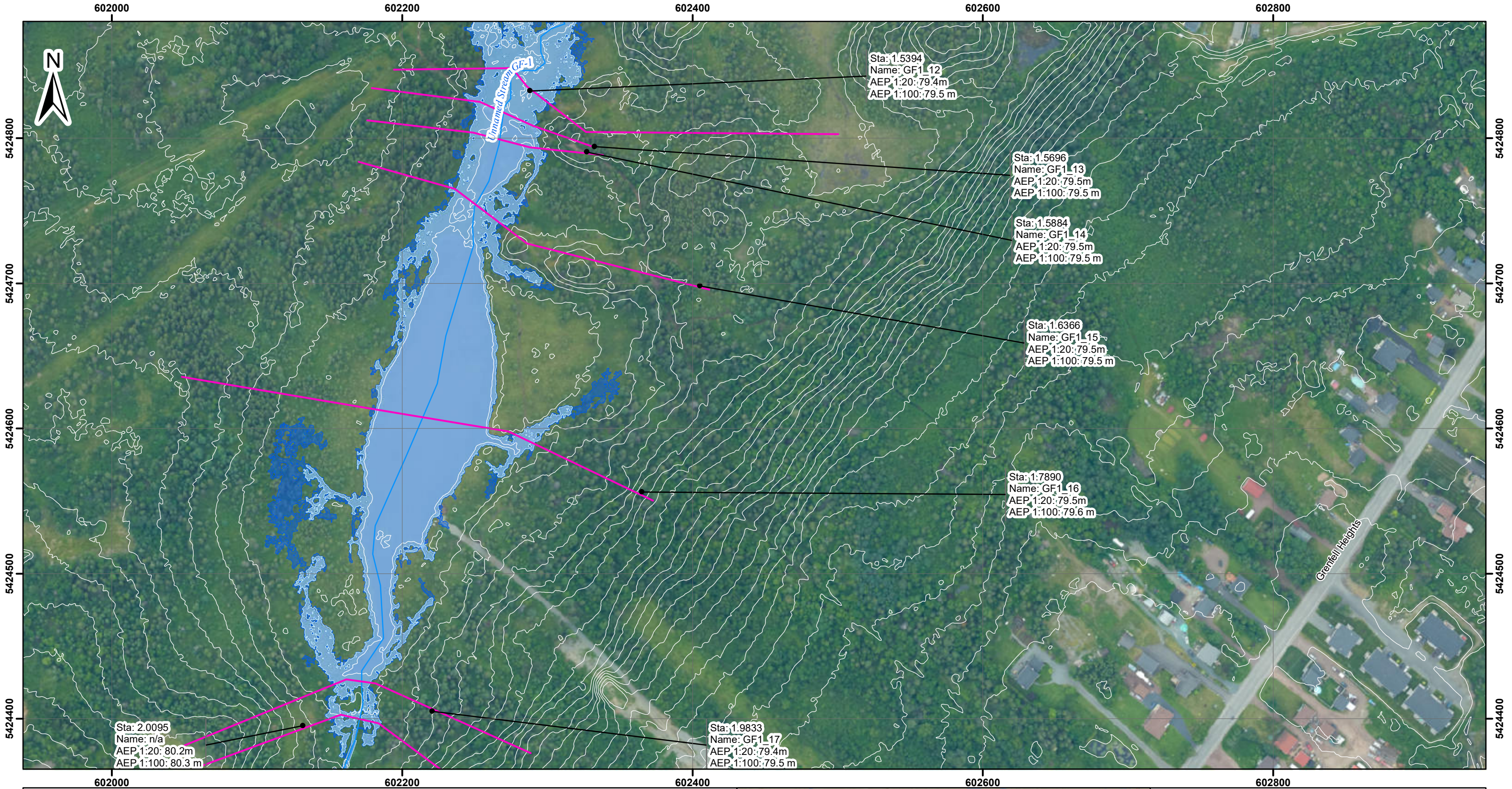
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EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 33 of 61
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Legend

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- 1:100 AEP Flood Zone Climate Change
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- 1 m Contours
- Overland Flooding
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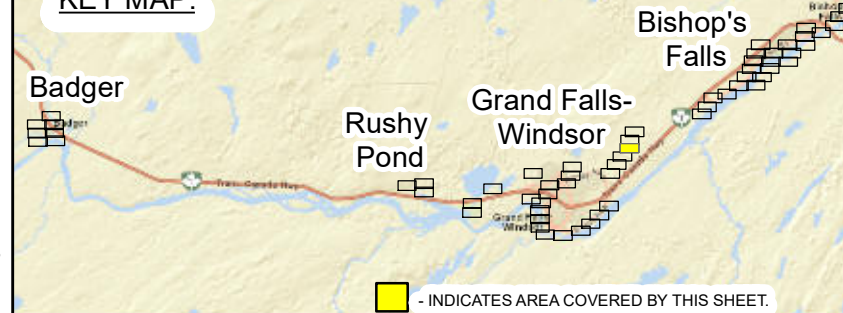
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Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

Cross Sections

0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION

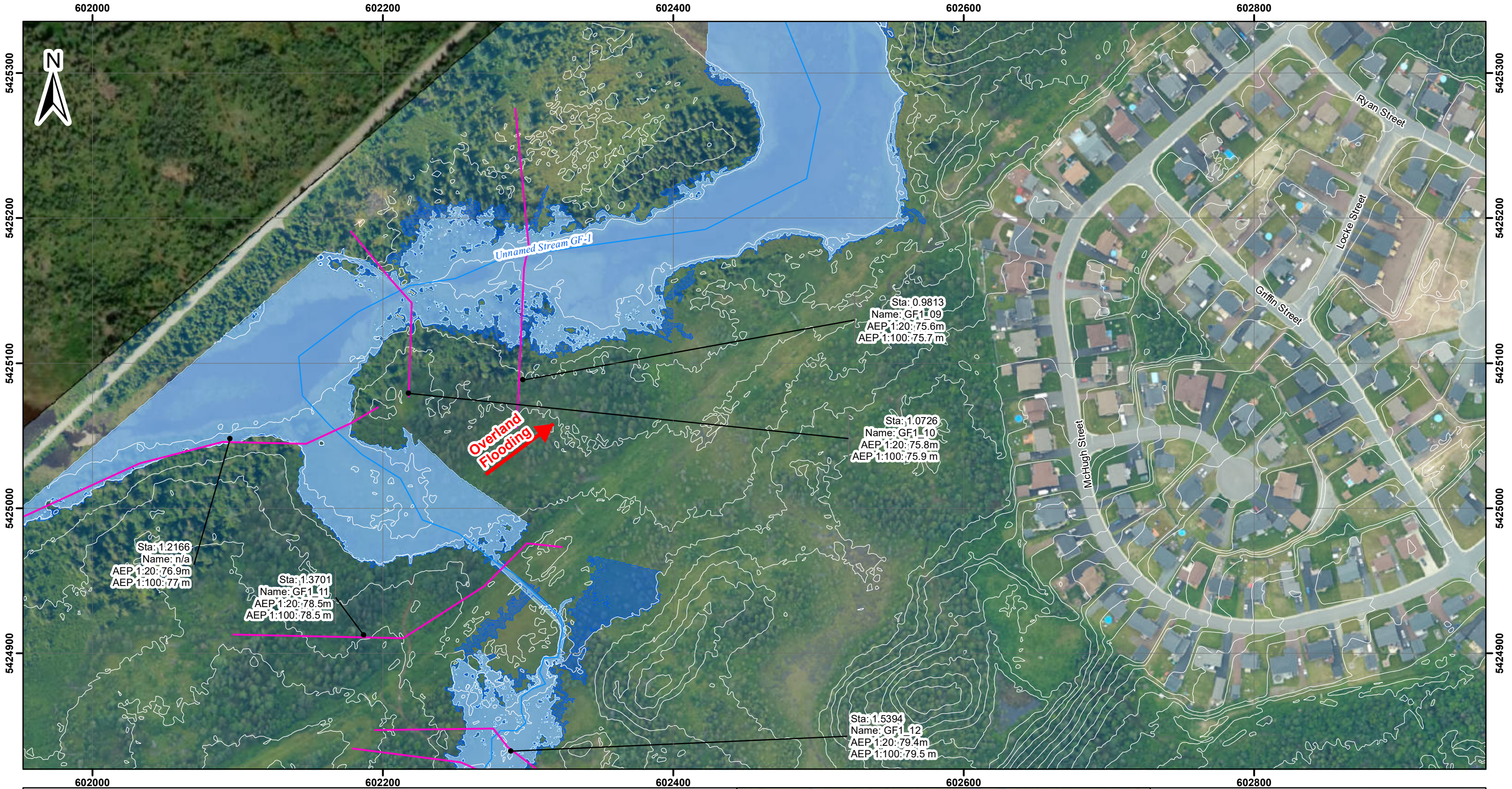
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

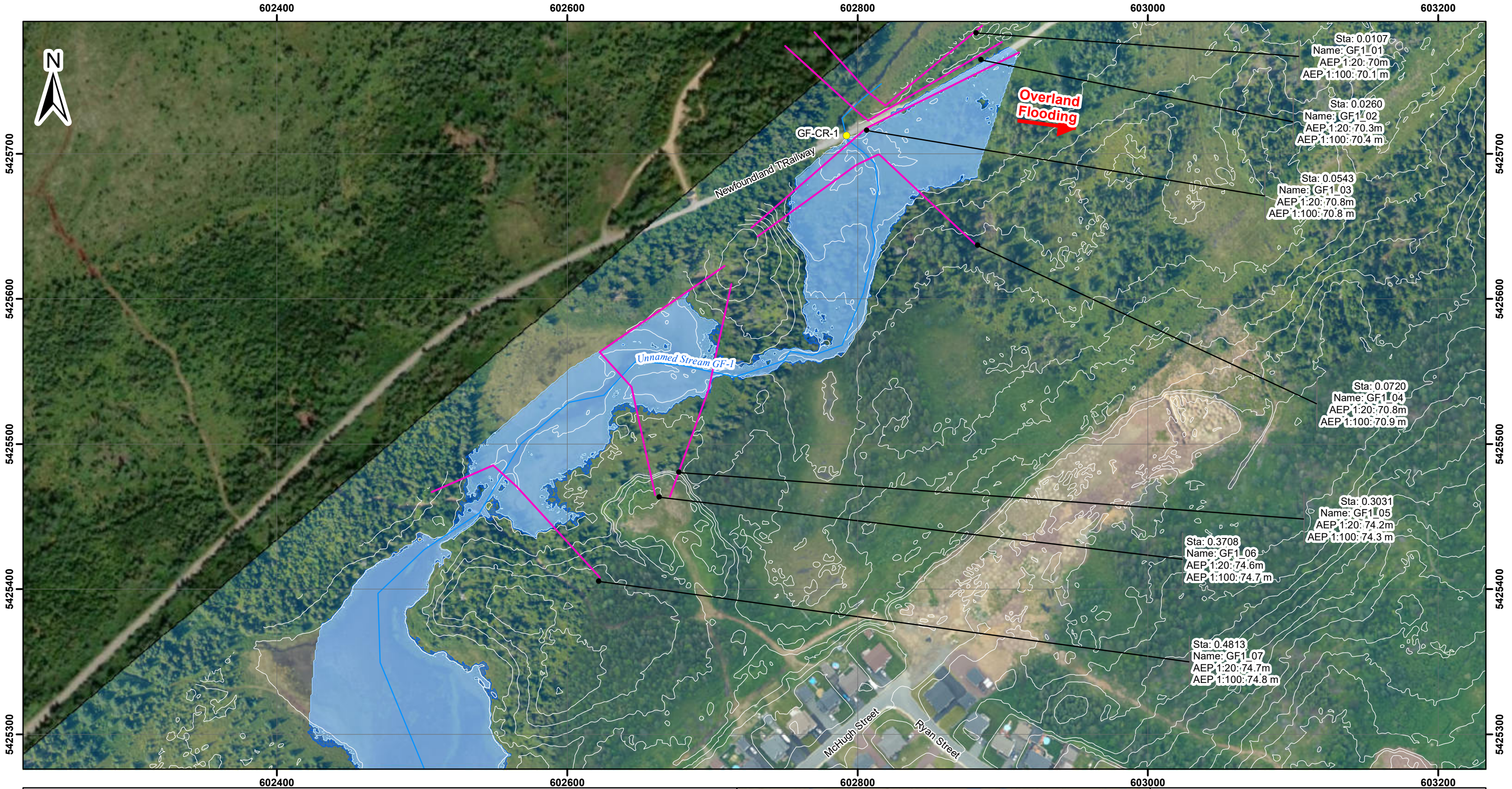
MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

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Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

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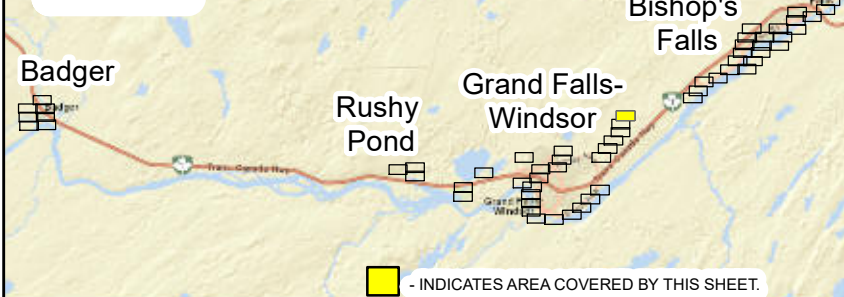
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Cross Sections

0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



HATCH

Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION

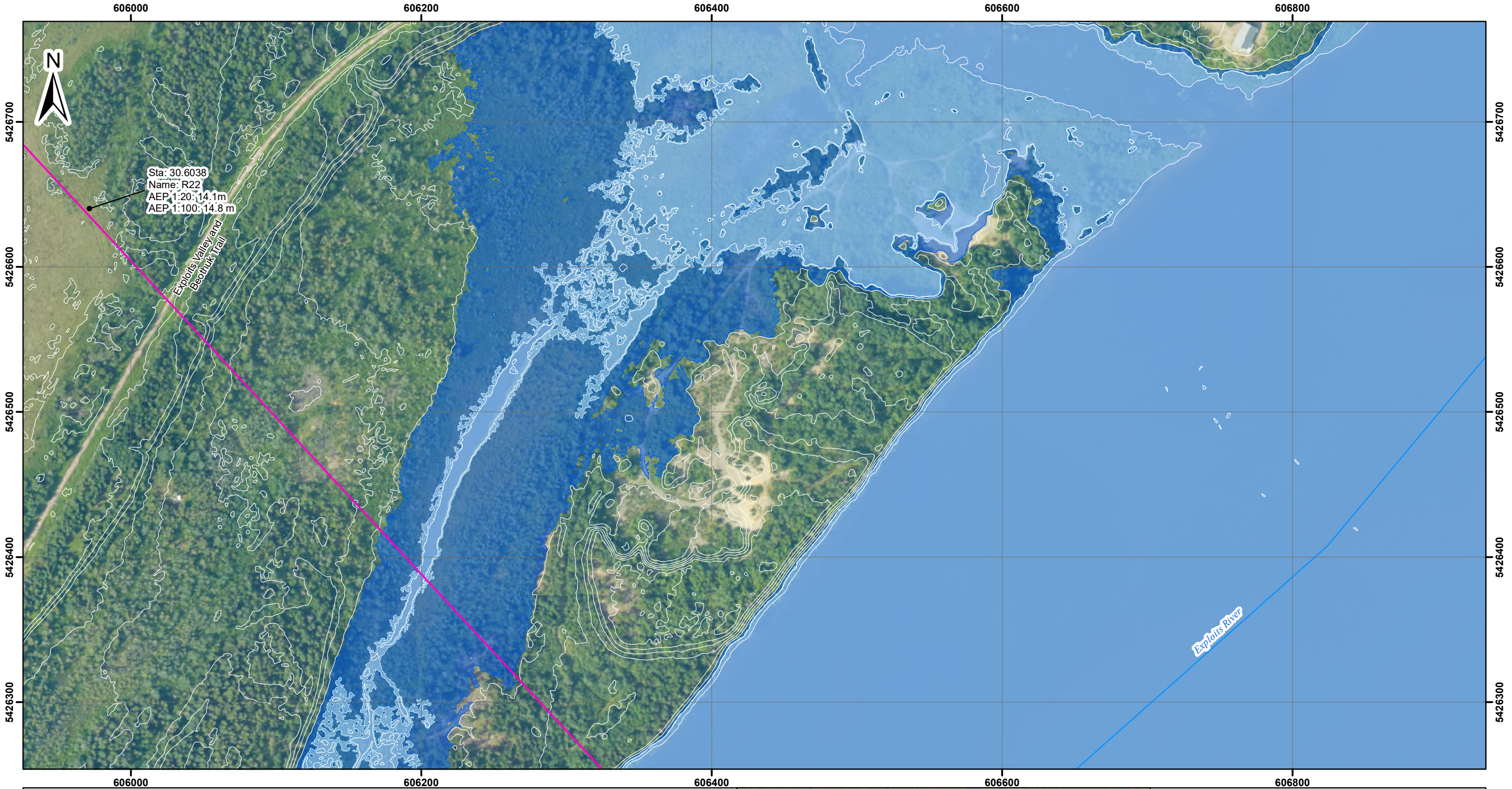
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566

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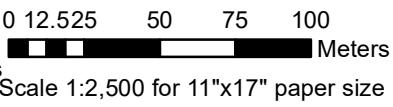


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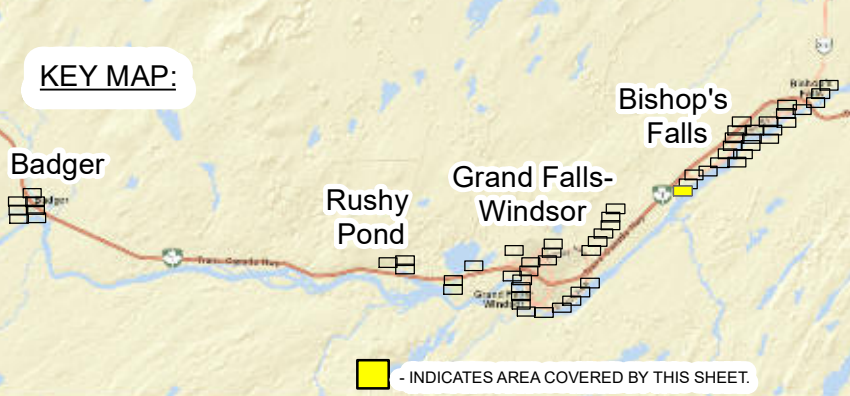
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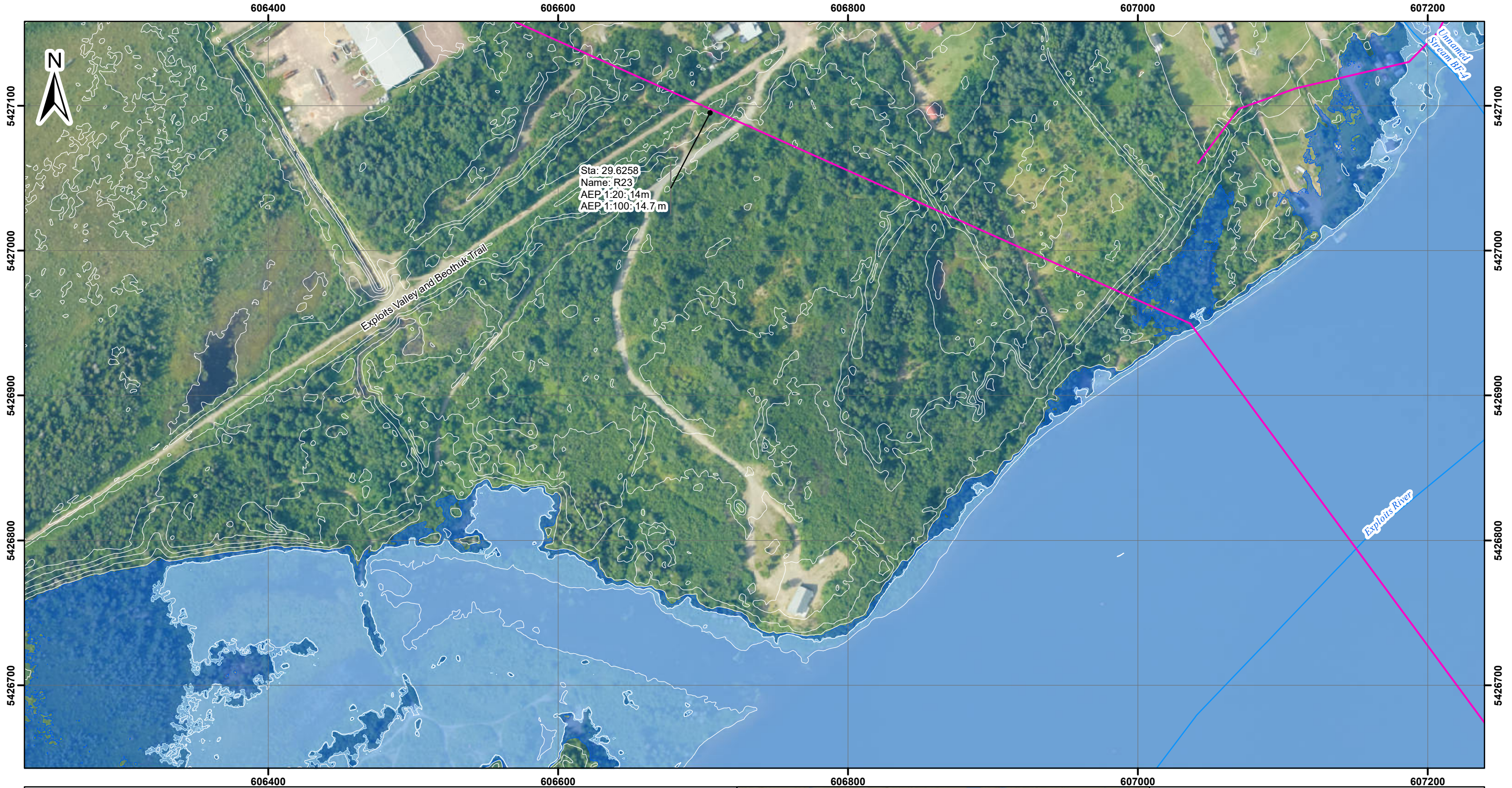
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566



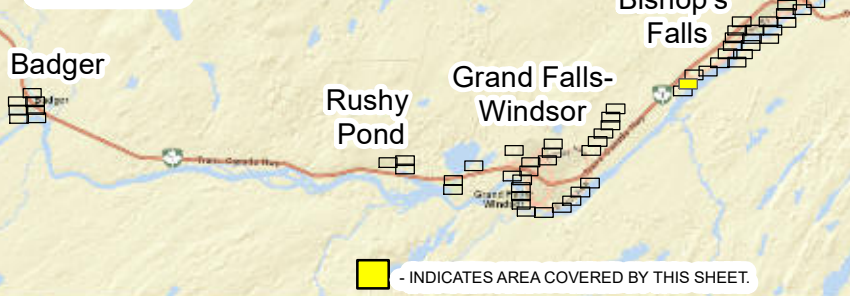
Legend

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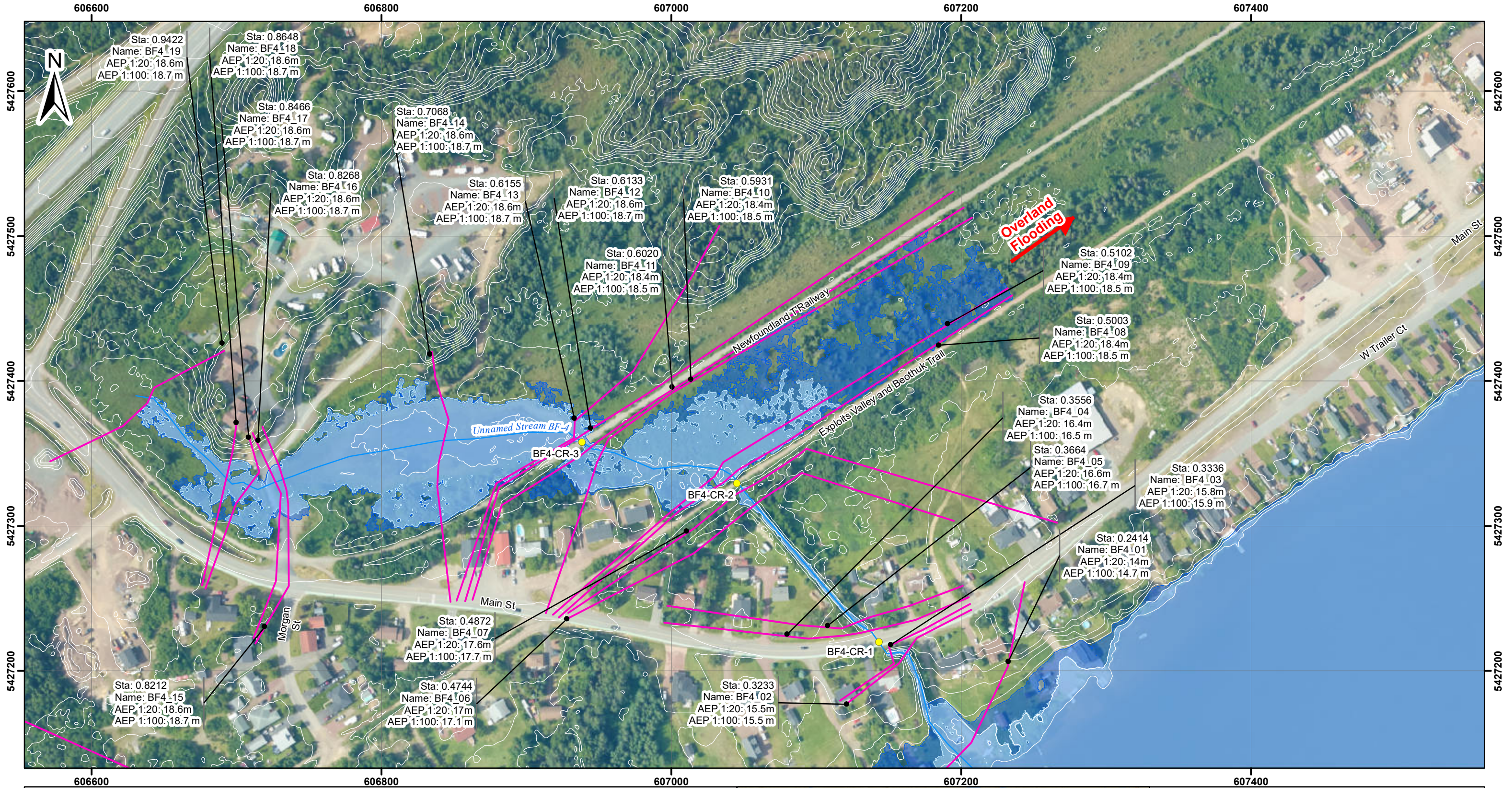
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- 0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 38 of 61
PROJECT #: H-358566	



Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
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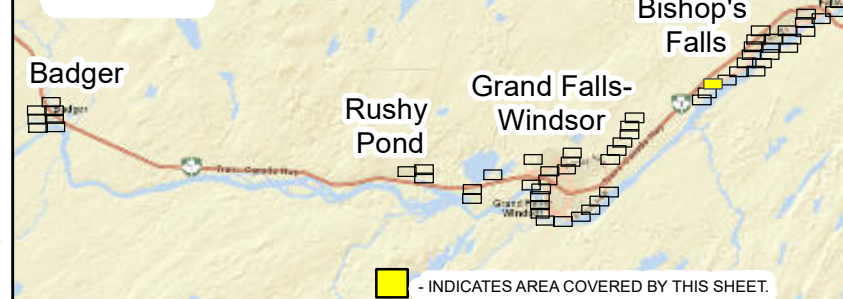
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Cross Sections

0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION

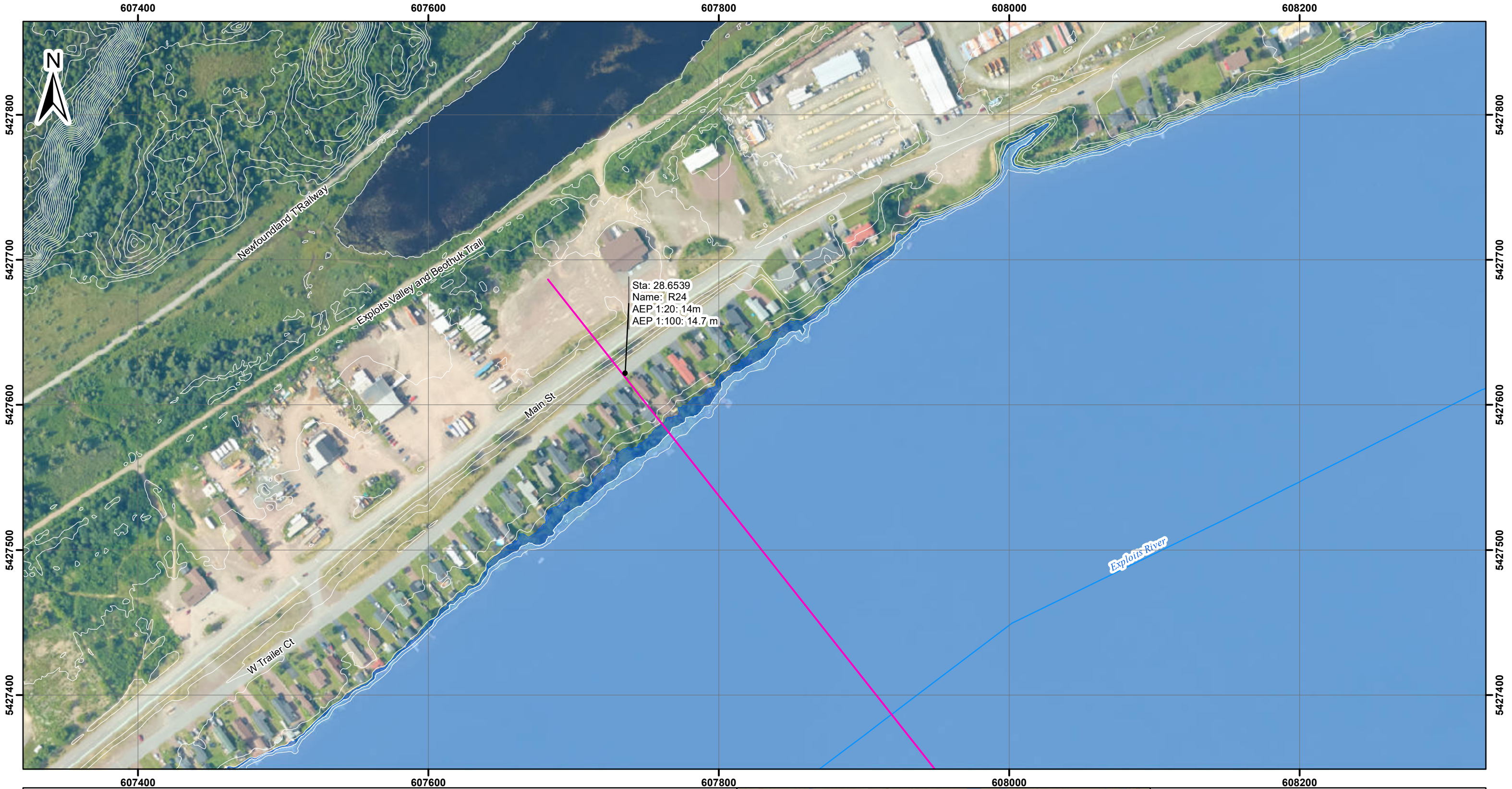
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566

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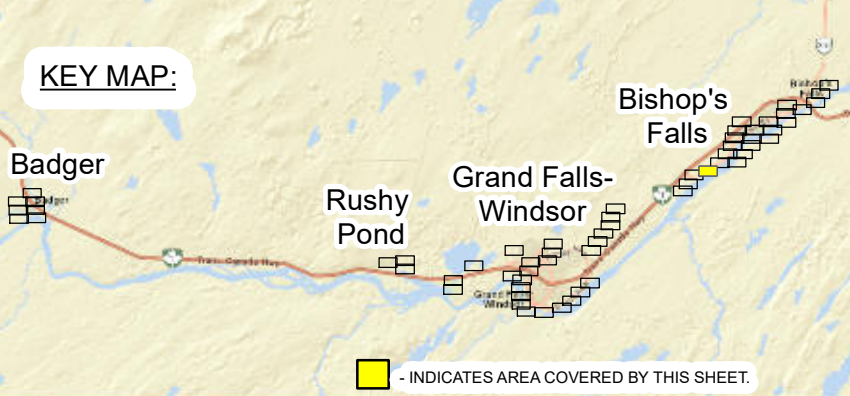
Legend

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AEP 1:100: 1:100 Water Surface El.
- 0 12.525 50 75 100 Meters
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KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 40 of 61
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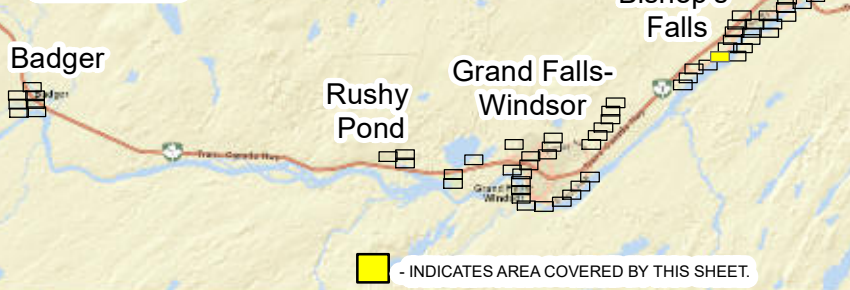
Legend

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- Cross Sections
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KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566



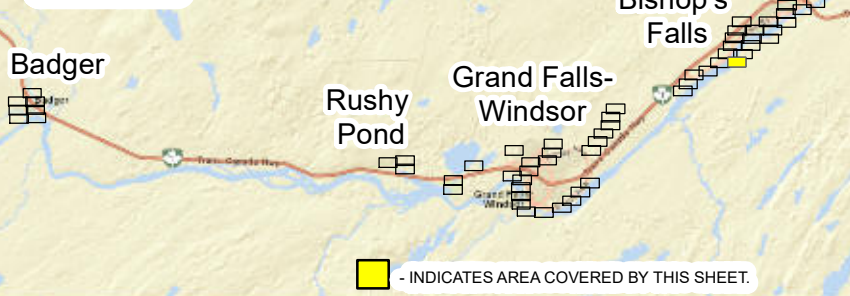
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WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
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DETAIL MAP

DATE: 05/17/2021

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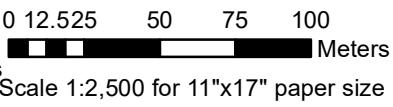


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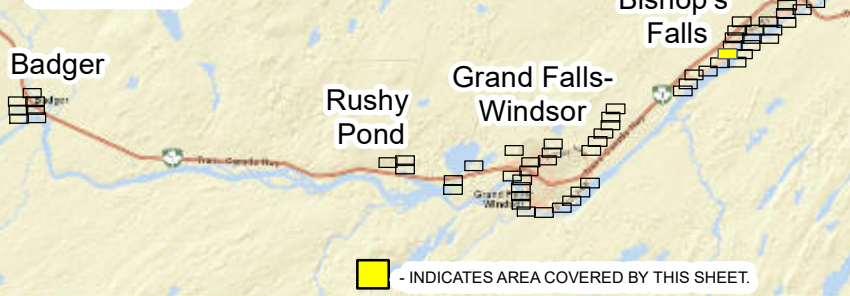
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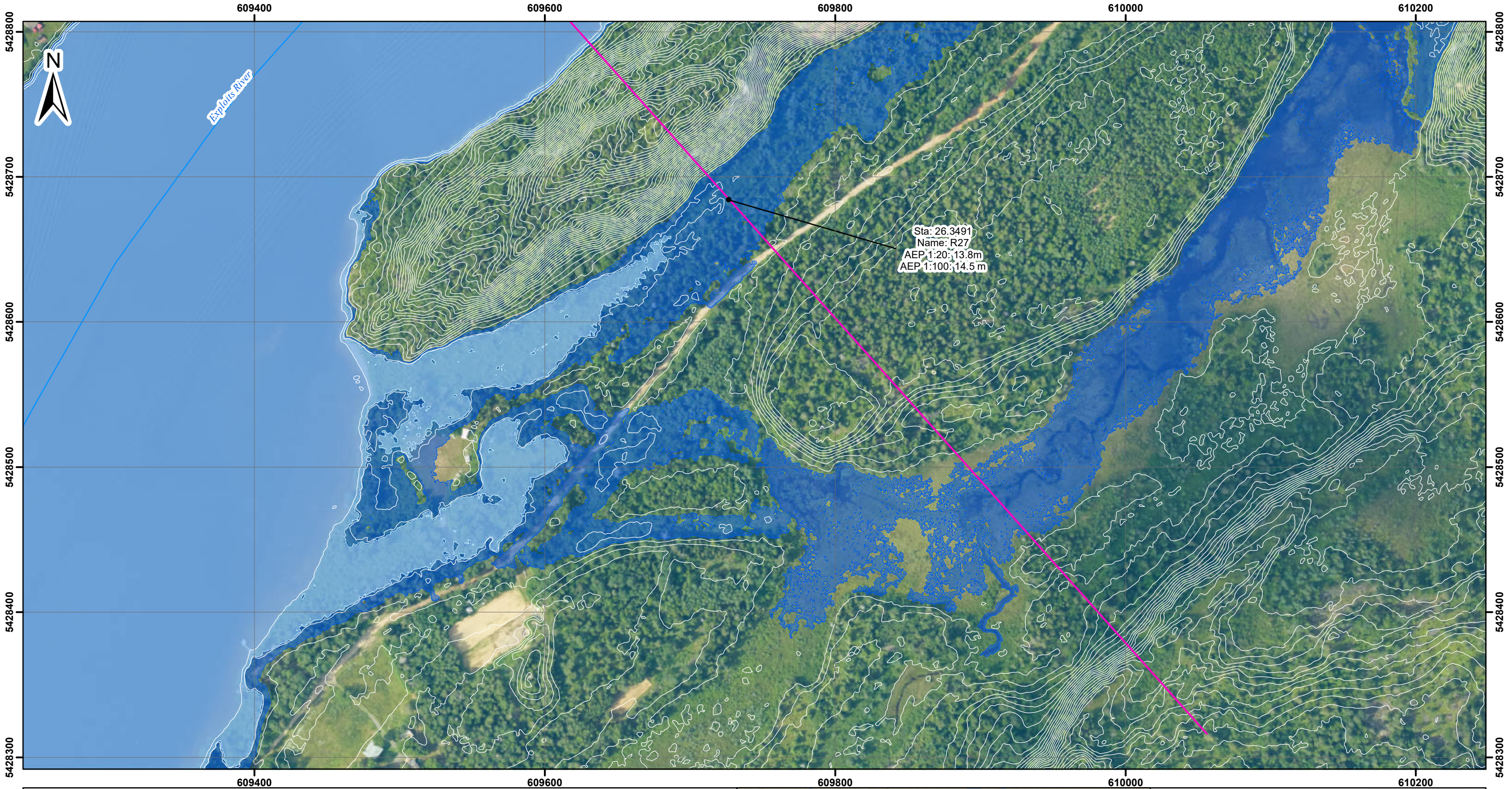
WATER RESOURCES MANAGEMENT DIVISION

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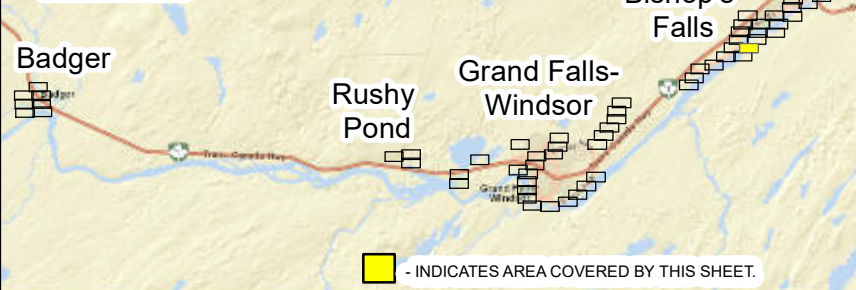
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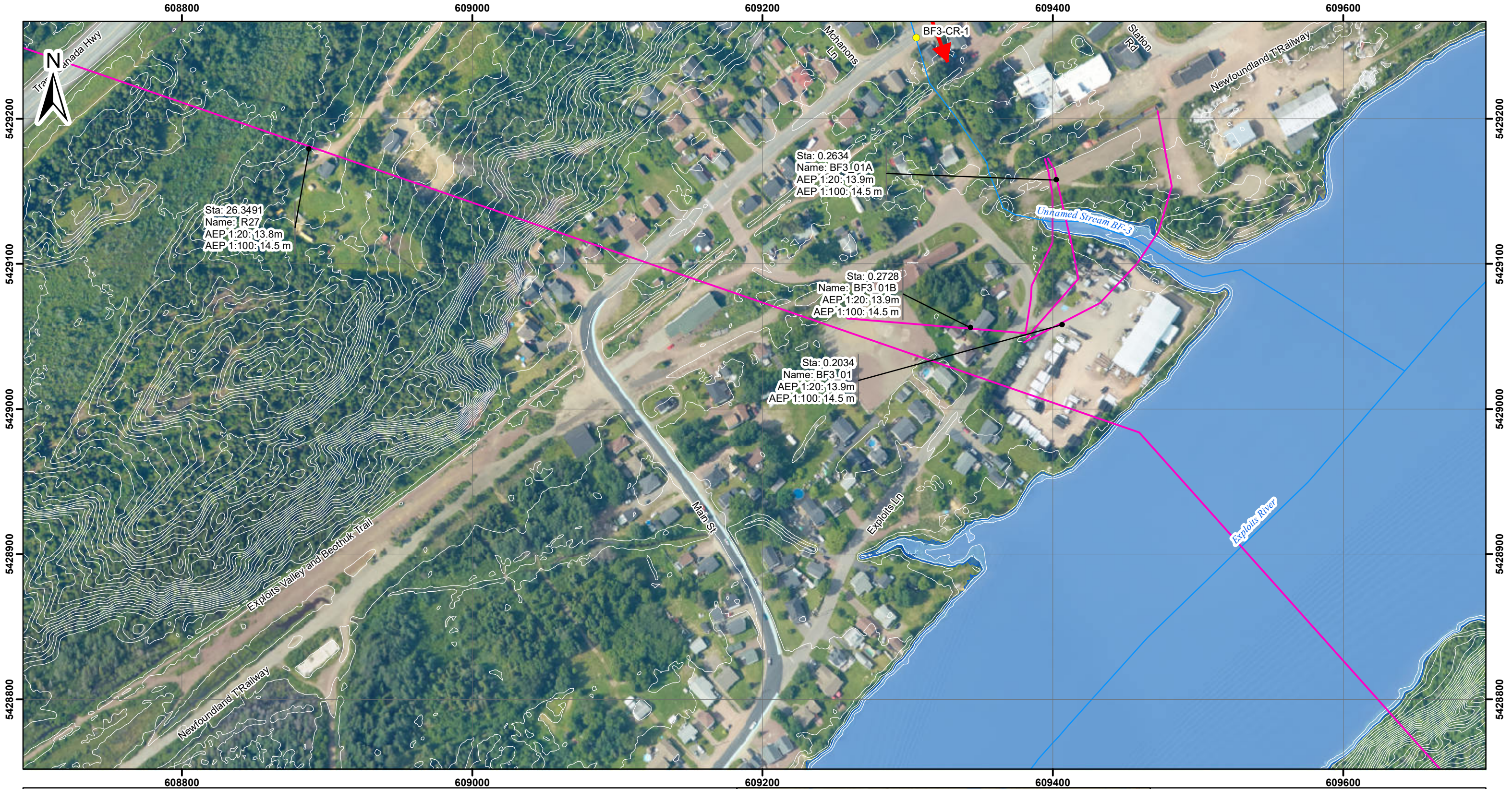
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- 0 12.525 50 75 100 Meters
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KEY MAP:



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EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 44 of 61
PROJECT #: H-358566	



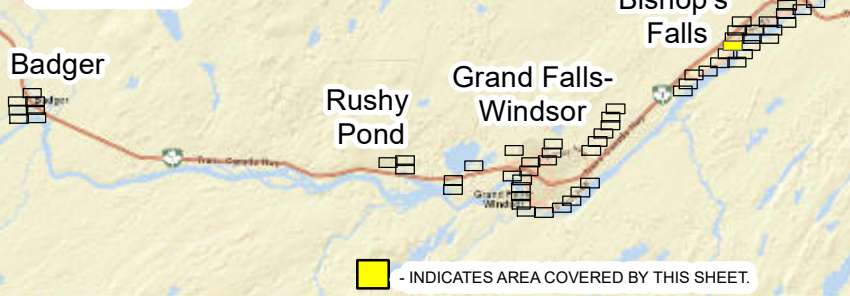
Legend

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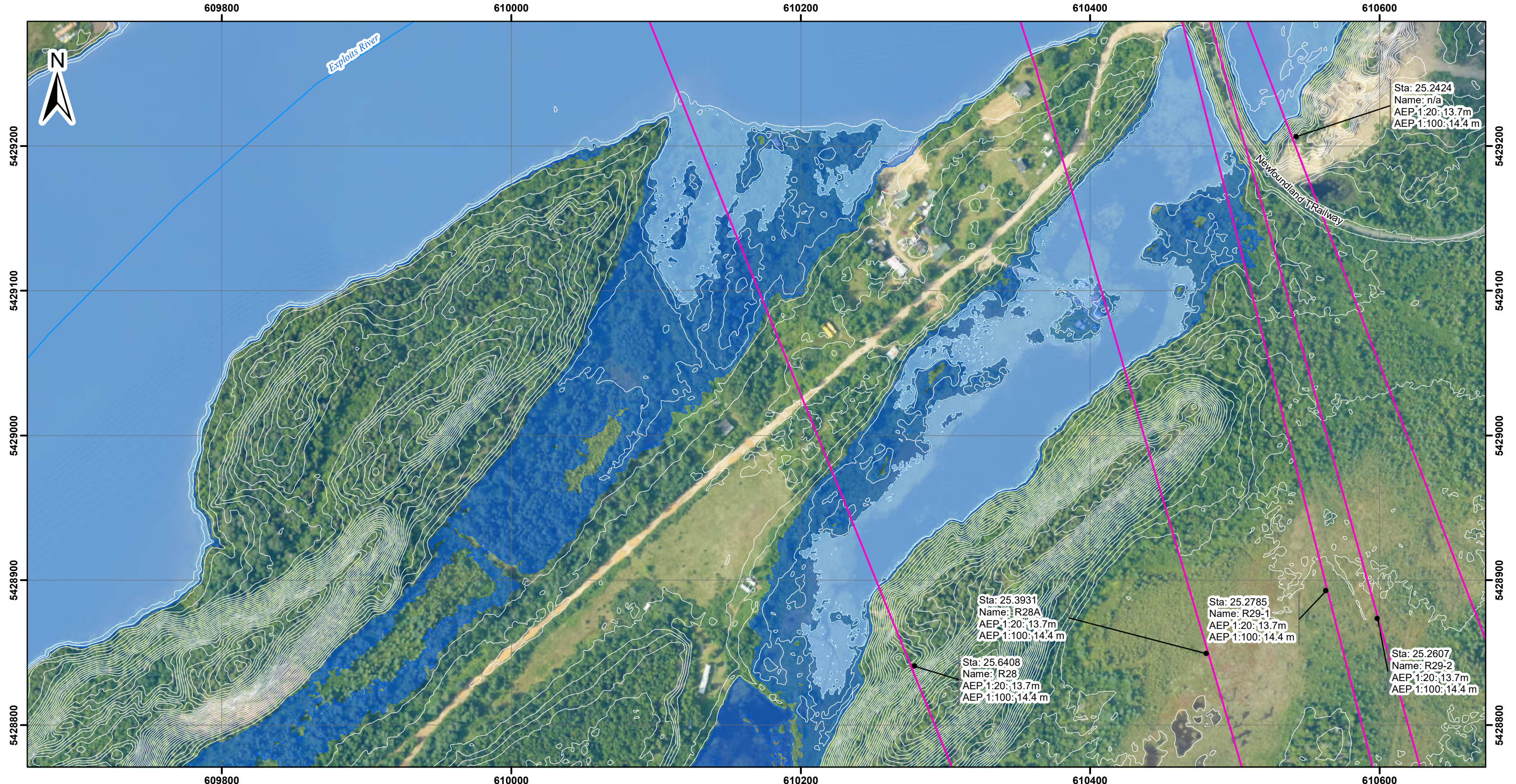
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KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 45 of 61
PROJECT #: H-358566	



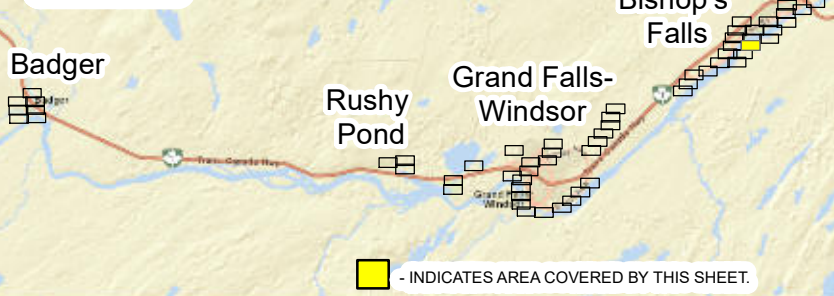
Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

NOTES:

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 - Lidar data by Leading Edge Geomatics Aug. 15-16, 2019.
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 - Topographic map and world imagery outside project area by ESRI.
- Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.
- Cross Sections
- 0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



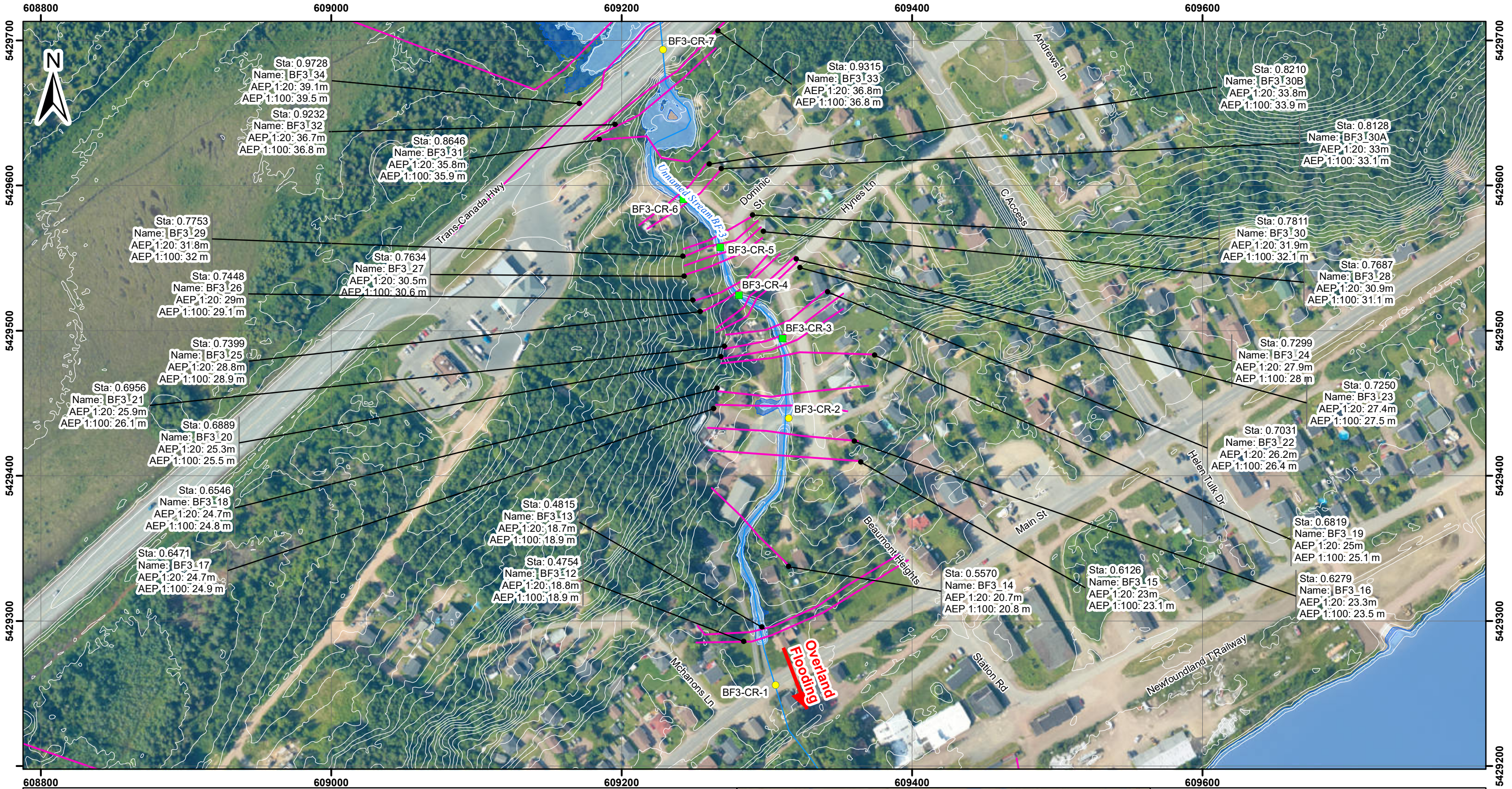
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566

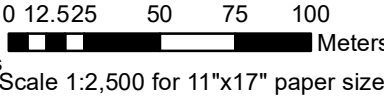


Legend

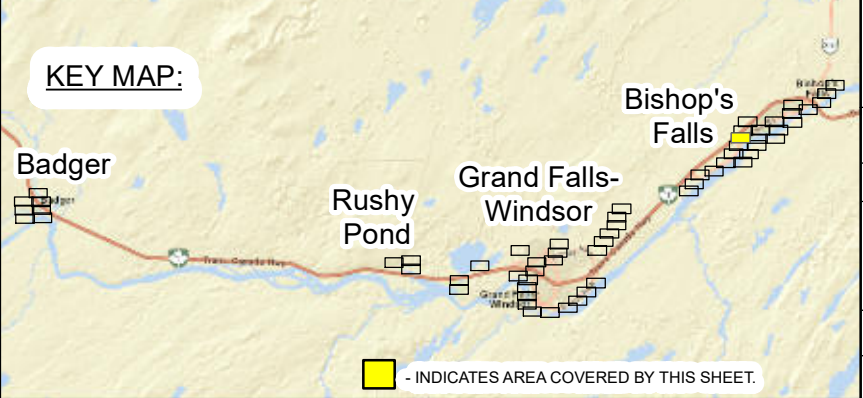
- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

NOTES:

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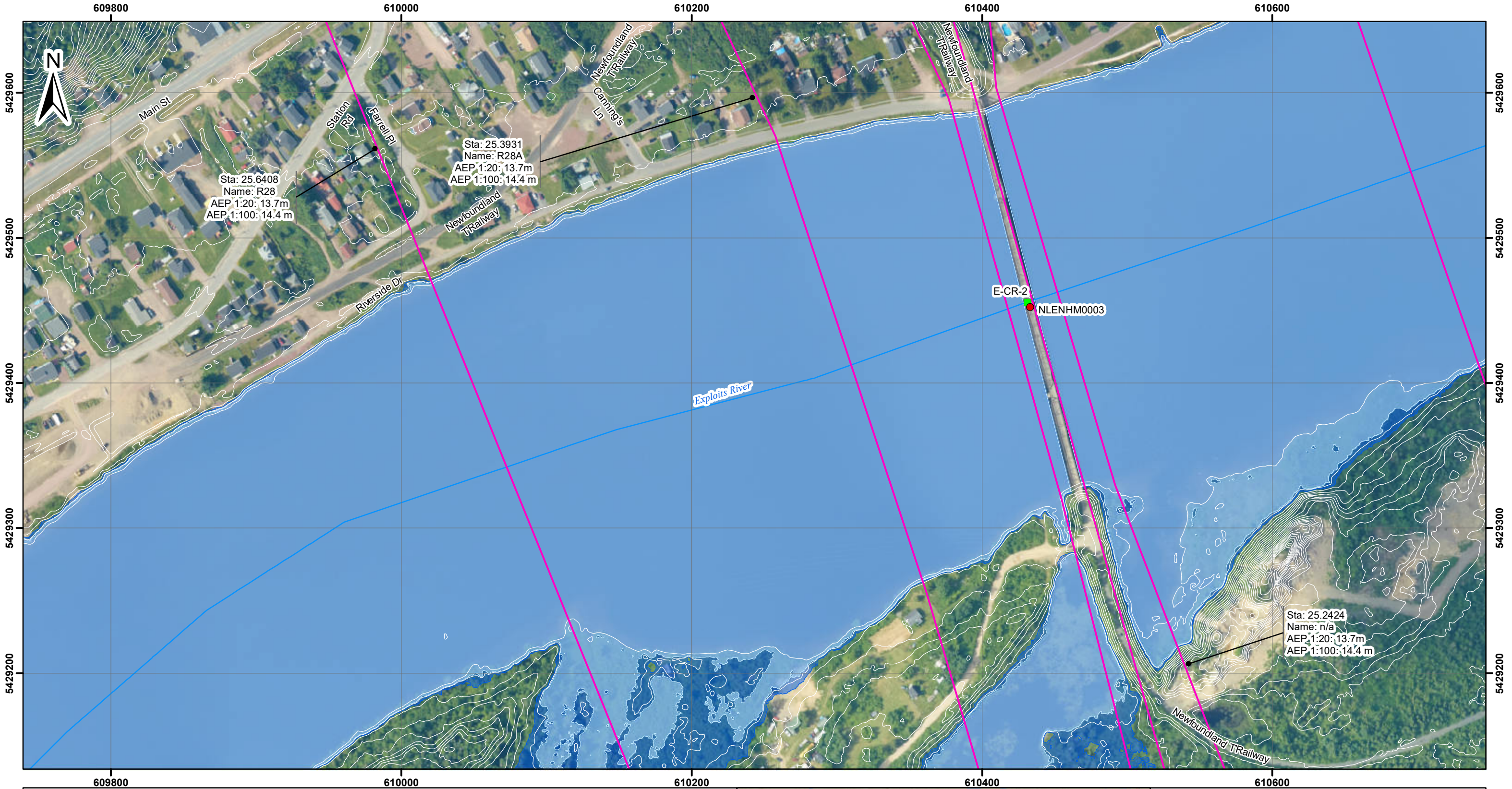
KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021
PROJECT #: H-358566



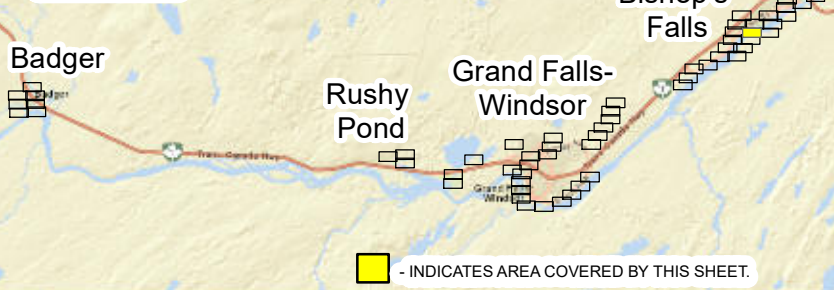
Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

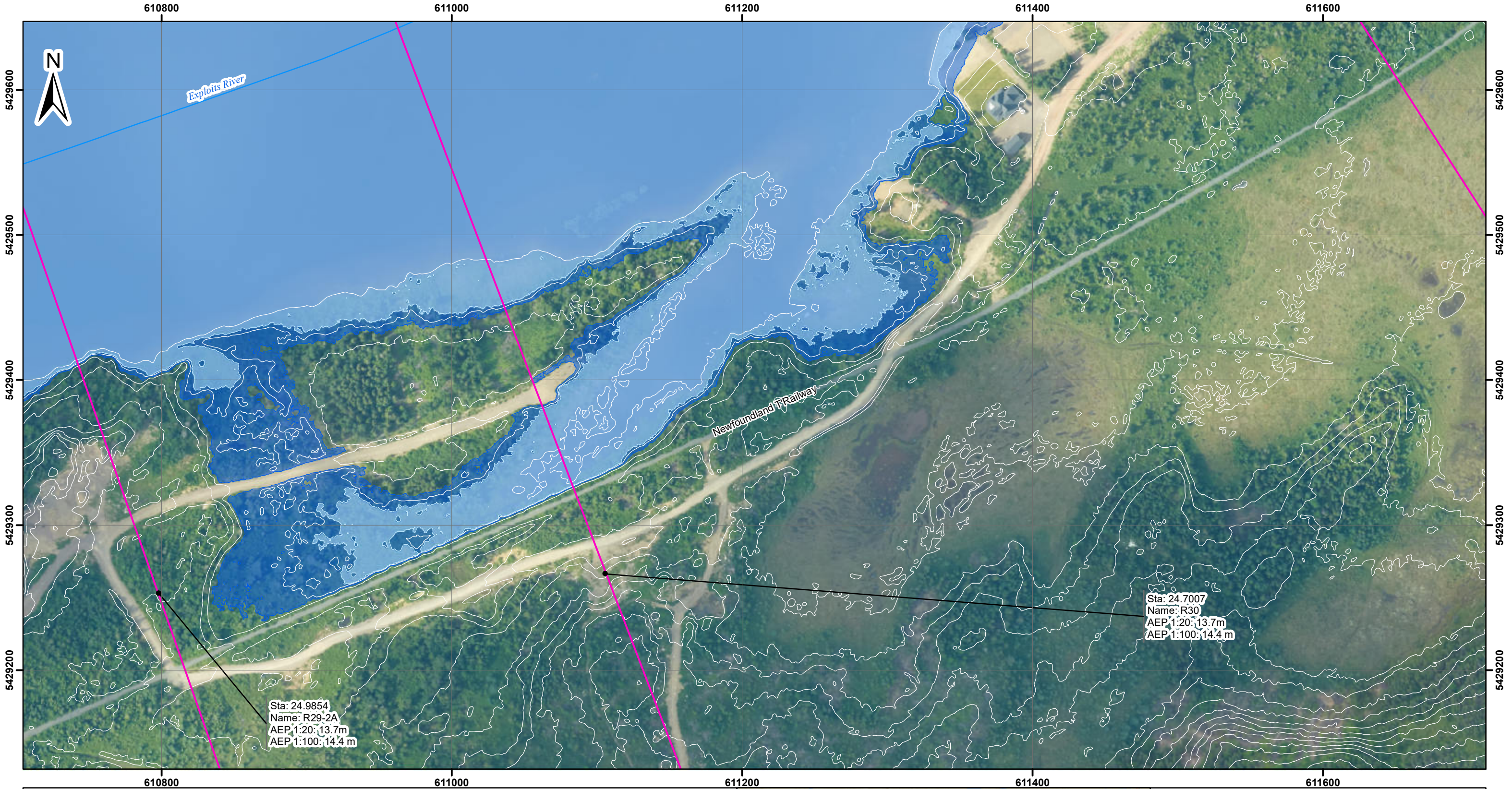
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- Scale 1:2,500 for 11"x17" paper size

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 48 of 61
PROJECT #: H-358566	

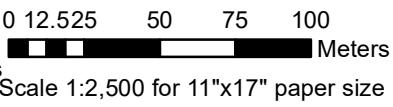


Legend

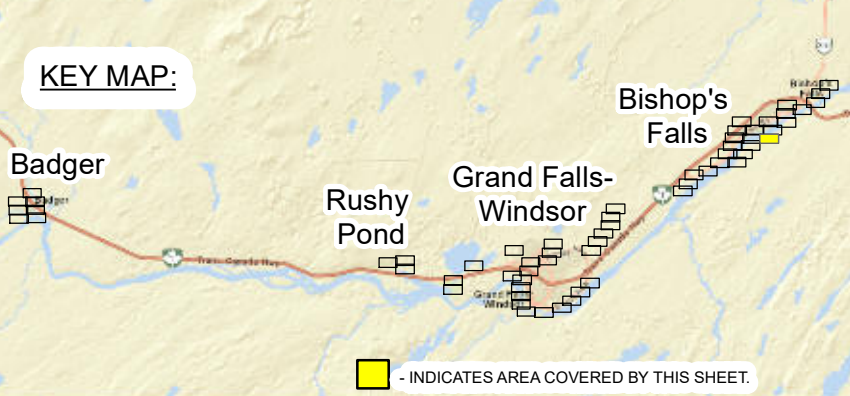
- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station
- Sta: Station
- Name: Survey ID (n/a if not surveyed)
- AEP 1:20: 1:20 Water Surface El.
- AEP 1:100: 1:100 Water Surface El.

NOTES:

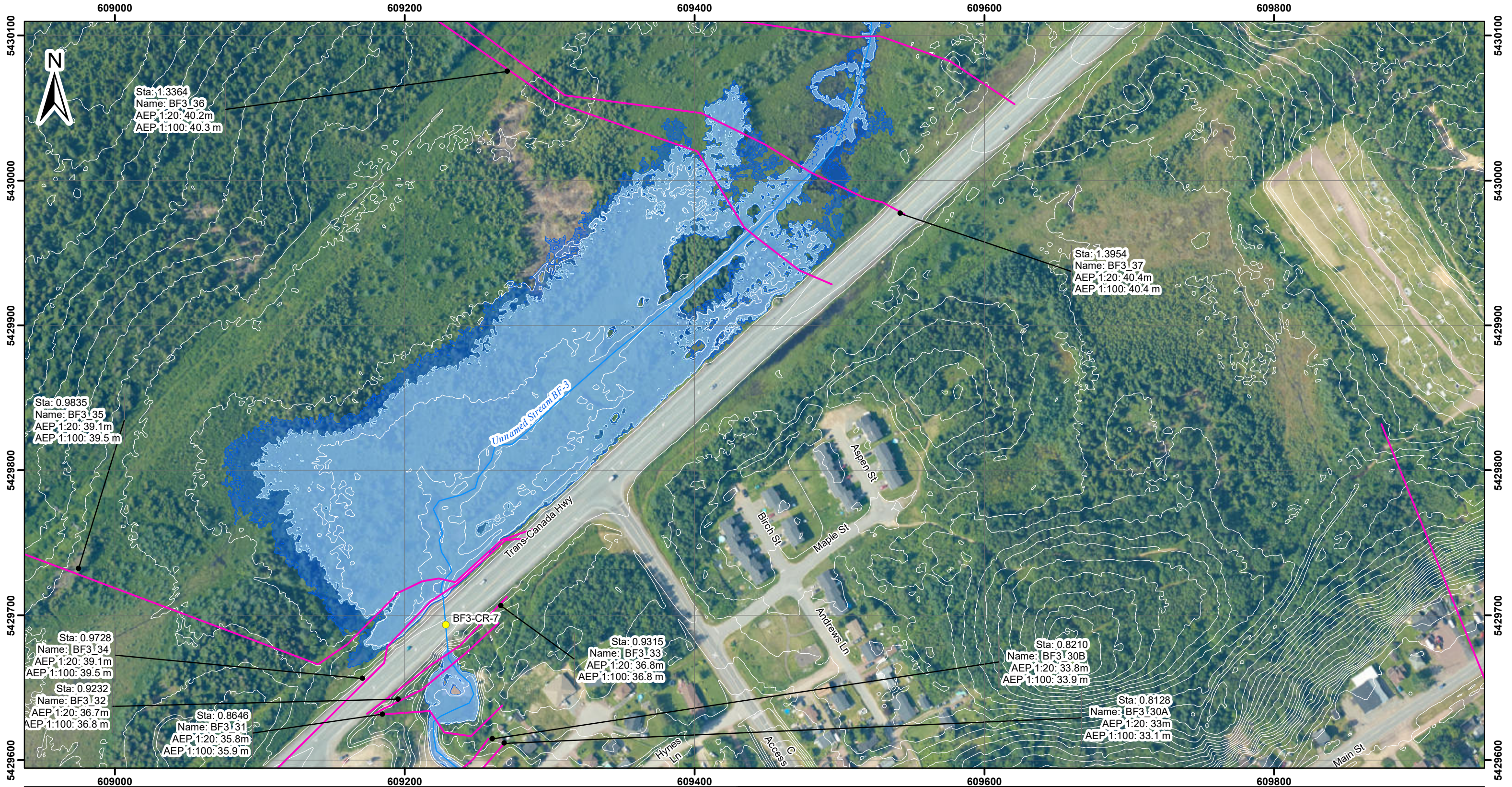
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KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 49 of 61
PROJECT #: H-358566	



Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

NOTES:

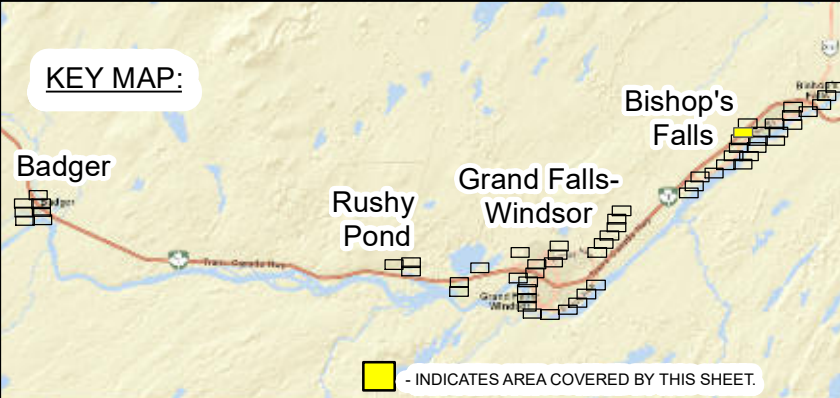
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Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

Cross Sections

0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566

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Legend

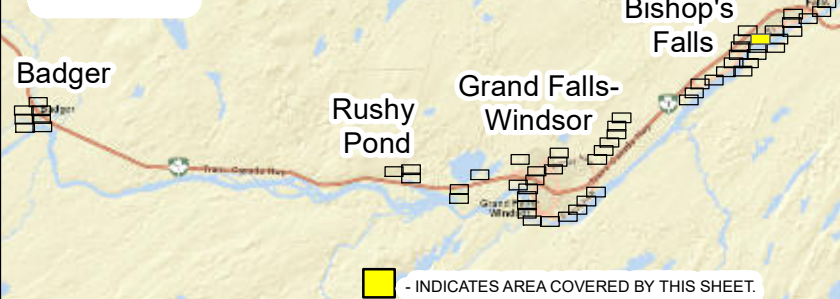
-  1:20 AEP Flood Zone Climate Change
-  1:100 AEP Flood Zone Climate Change
-  Watercourse Centerline
-  1 m Contours
-  Overland Flooding
-  Bridge
-  Culvert
-  Hydrometric Station
-  Sta: Station
-  Name: Survey ID (n/a if not surveyed)
-  AEP 1:20: 1:20 Water Surface El.
-  AEP 1:100: 1:100 Water Surface El.

NOTES:

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0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



HATCH

Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION

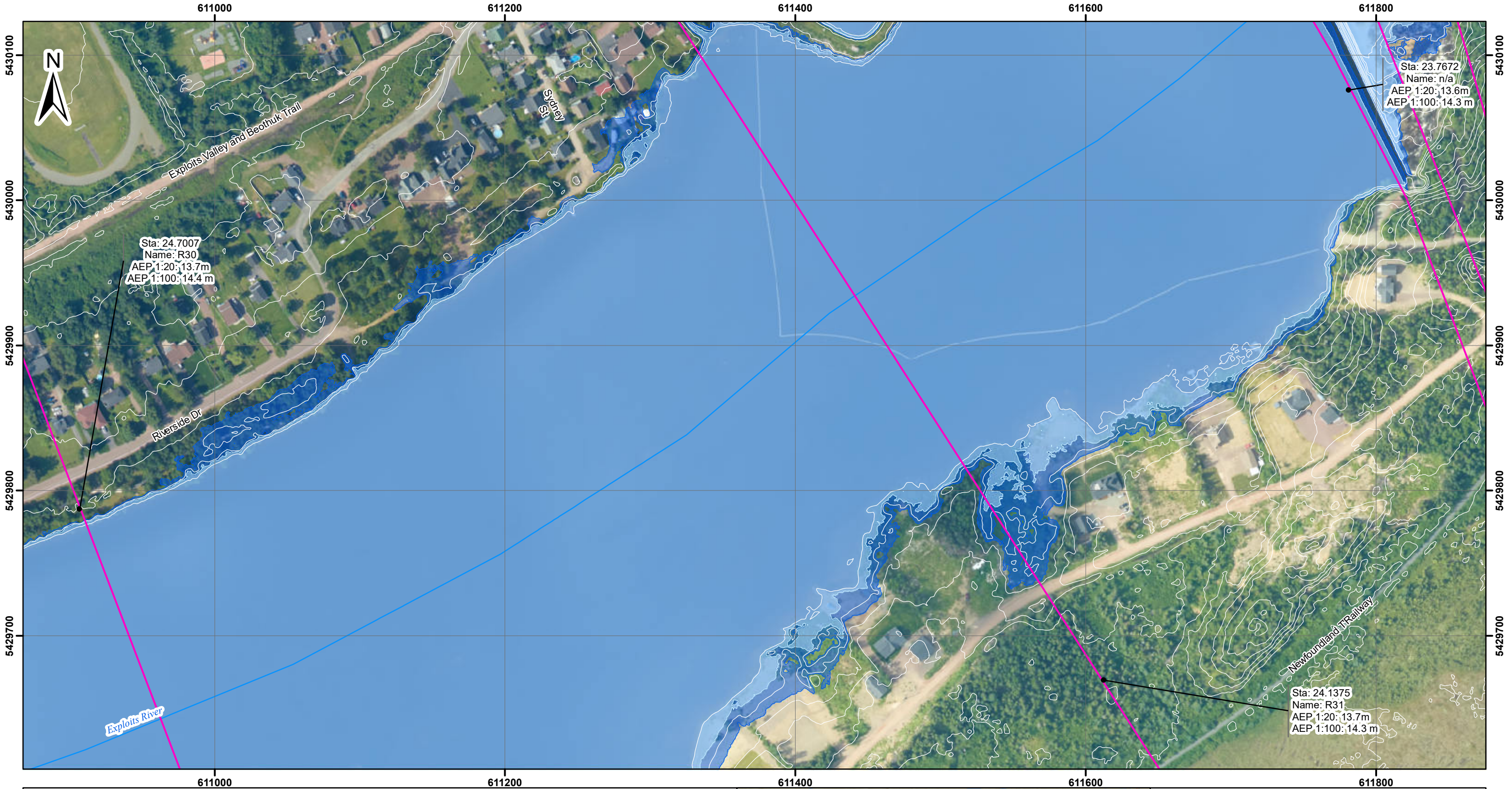
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566

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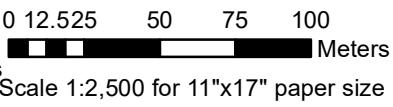


Legend

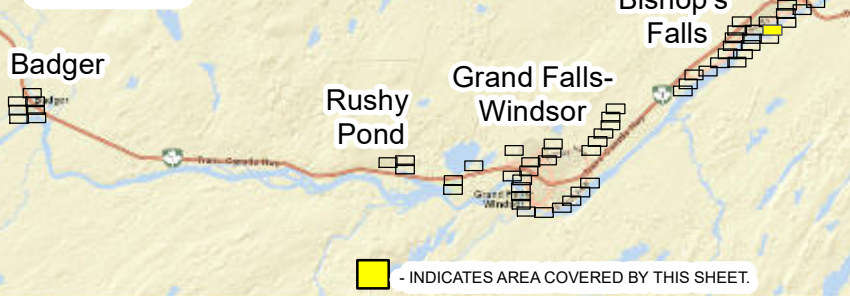
- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

NOTES:

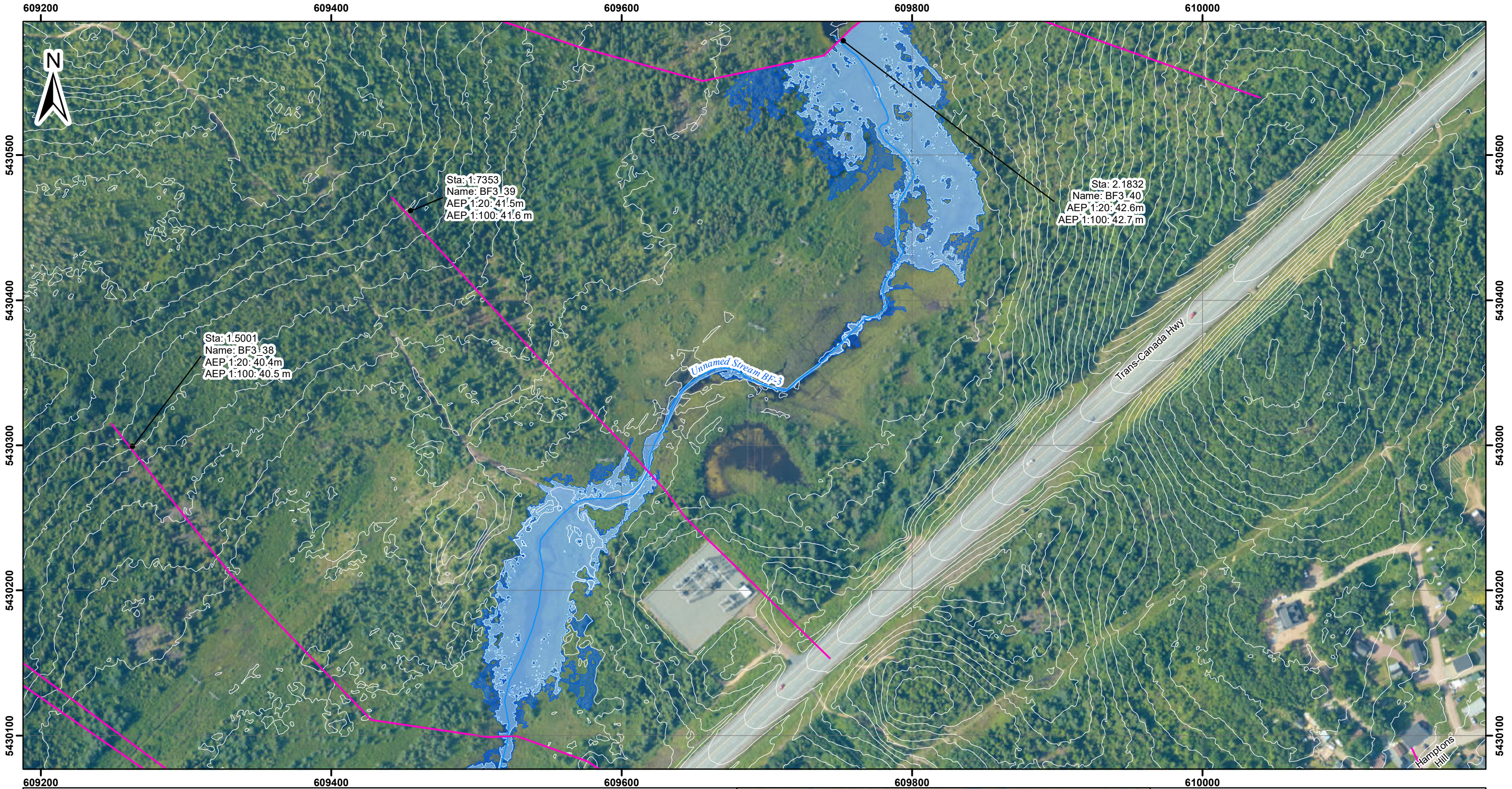
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KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 52 of 61
PROJECT #: H-358566	



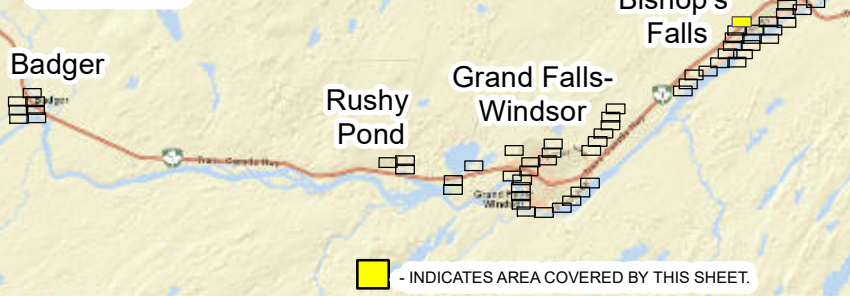
Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station
- Overland Flooding
- Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

NOTES:

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- 0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 53 of 61
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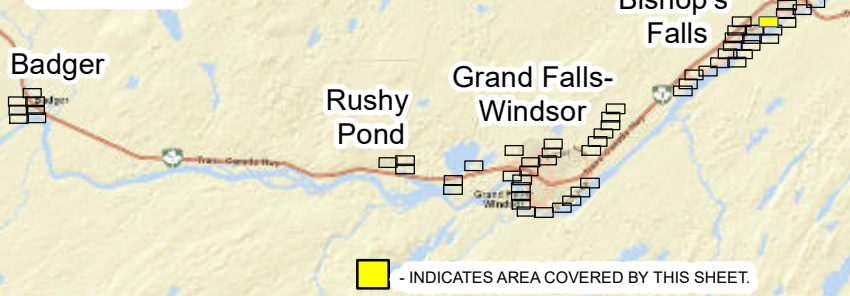
Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

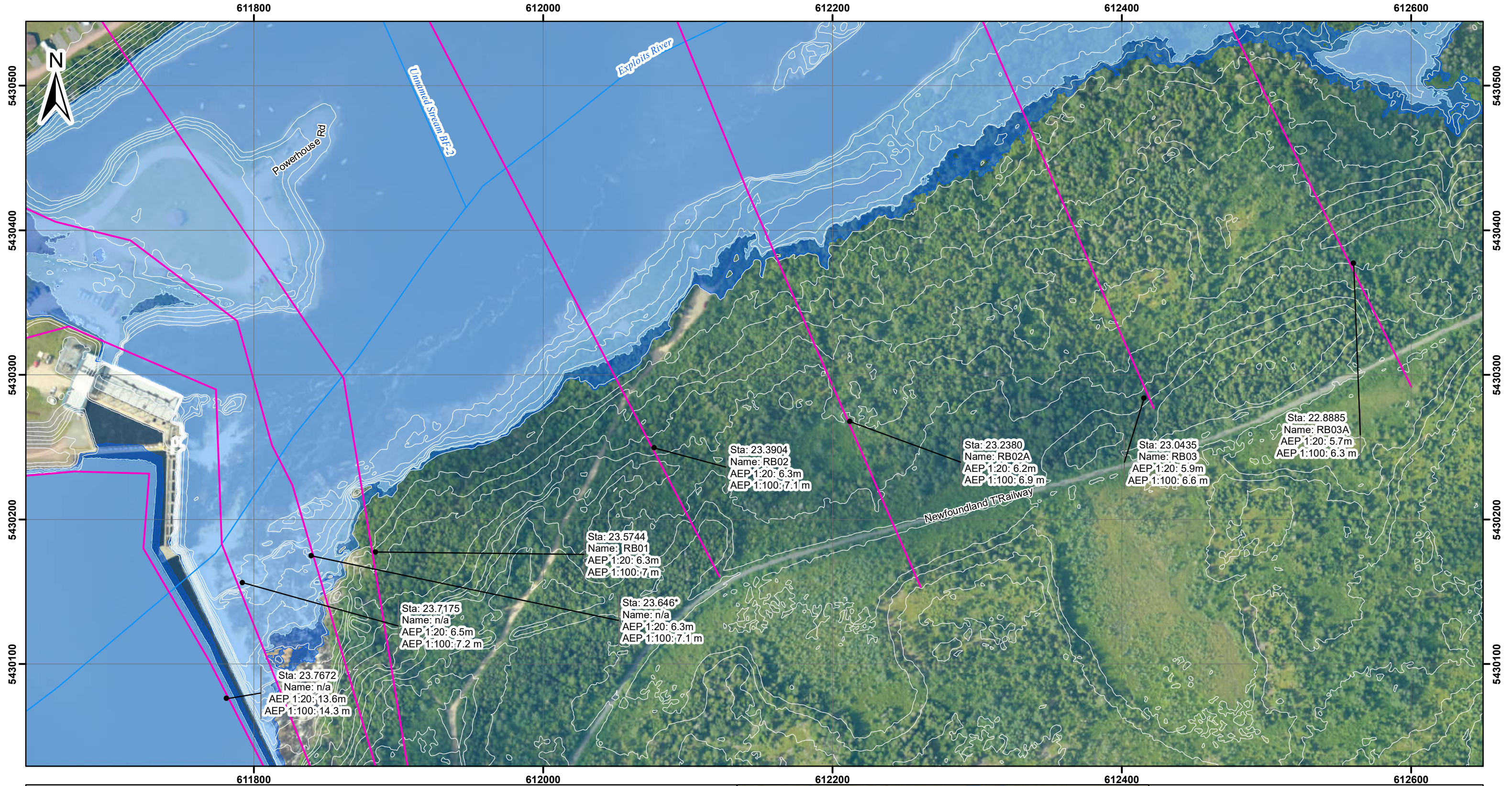
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AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.
- 0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 54 of 61
PROJECT #: H-358566	



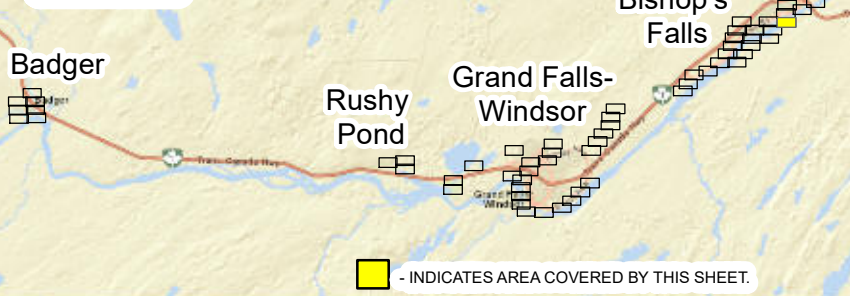
Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

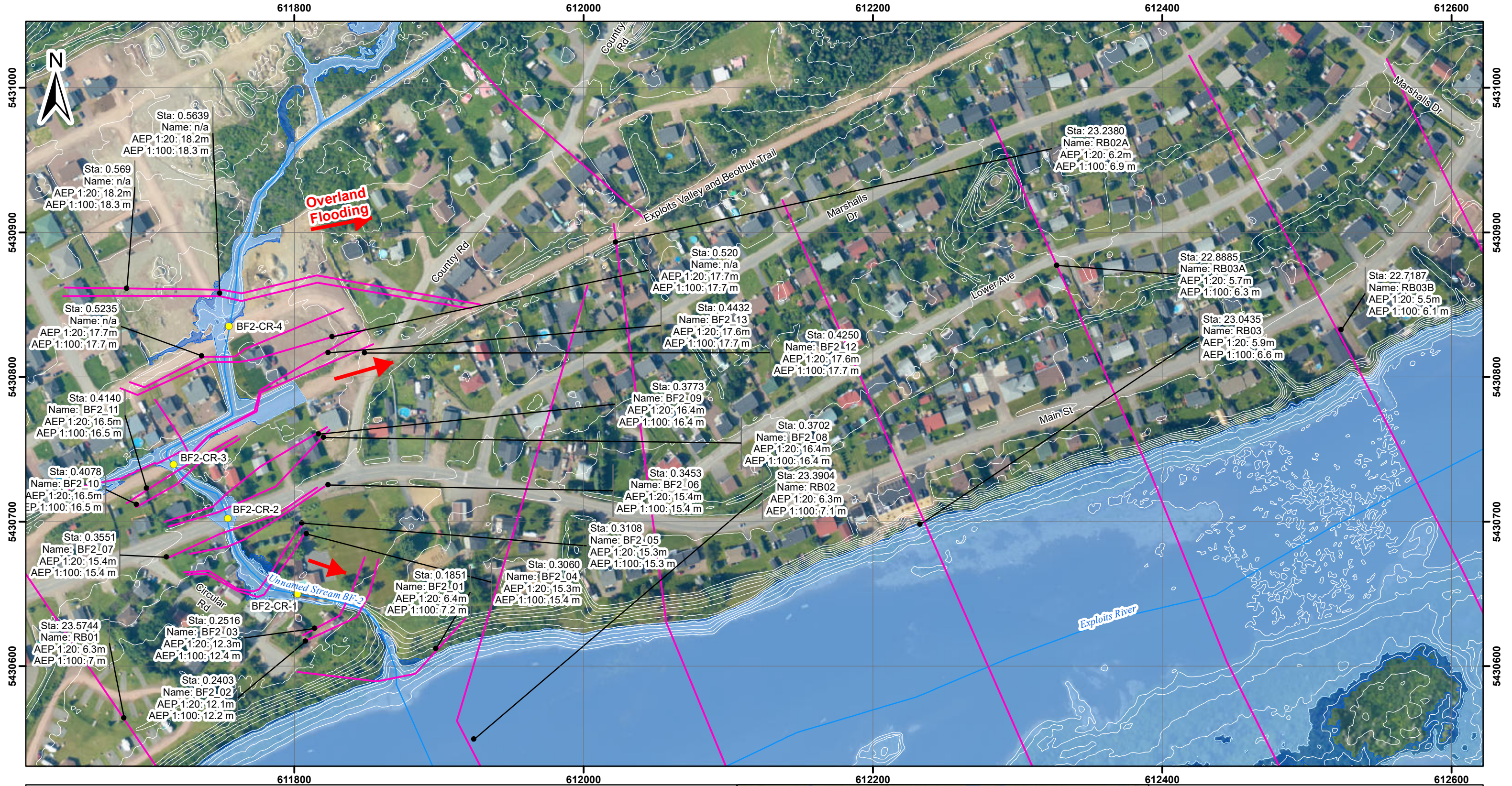
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AEP 1:100: 1:100 Water Surface El.
- 0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 55 of 61
PROJECT #: H-358566	



Legend

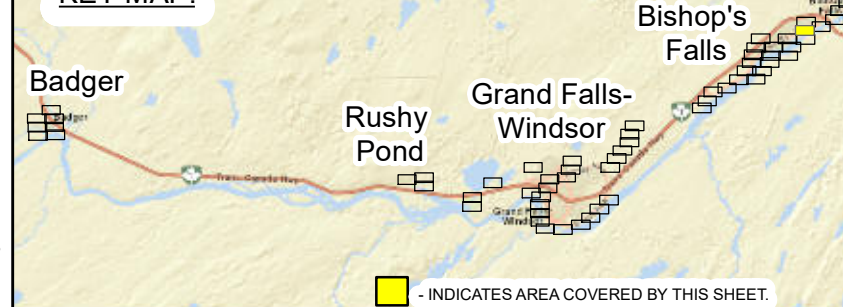
- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

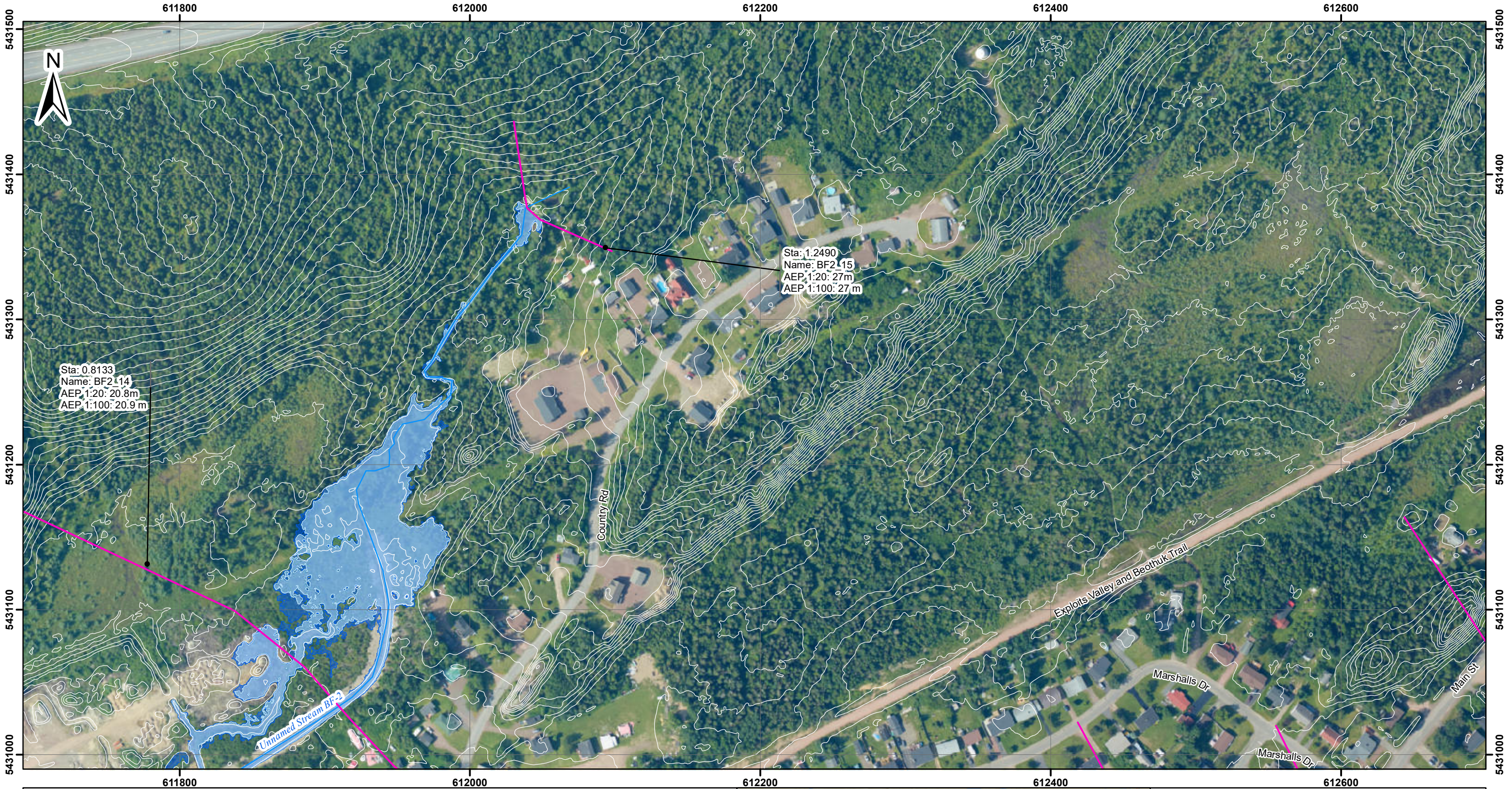
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0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



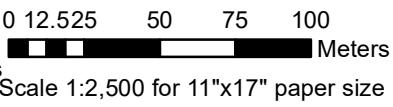


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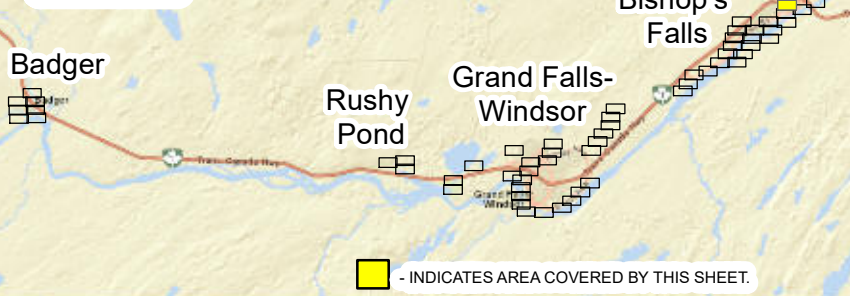
- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

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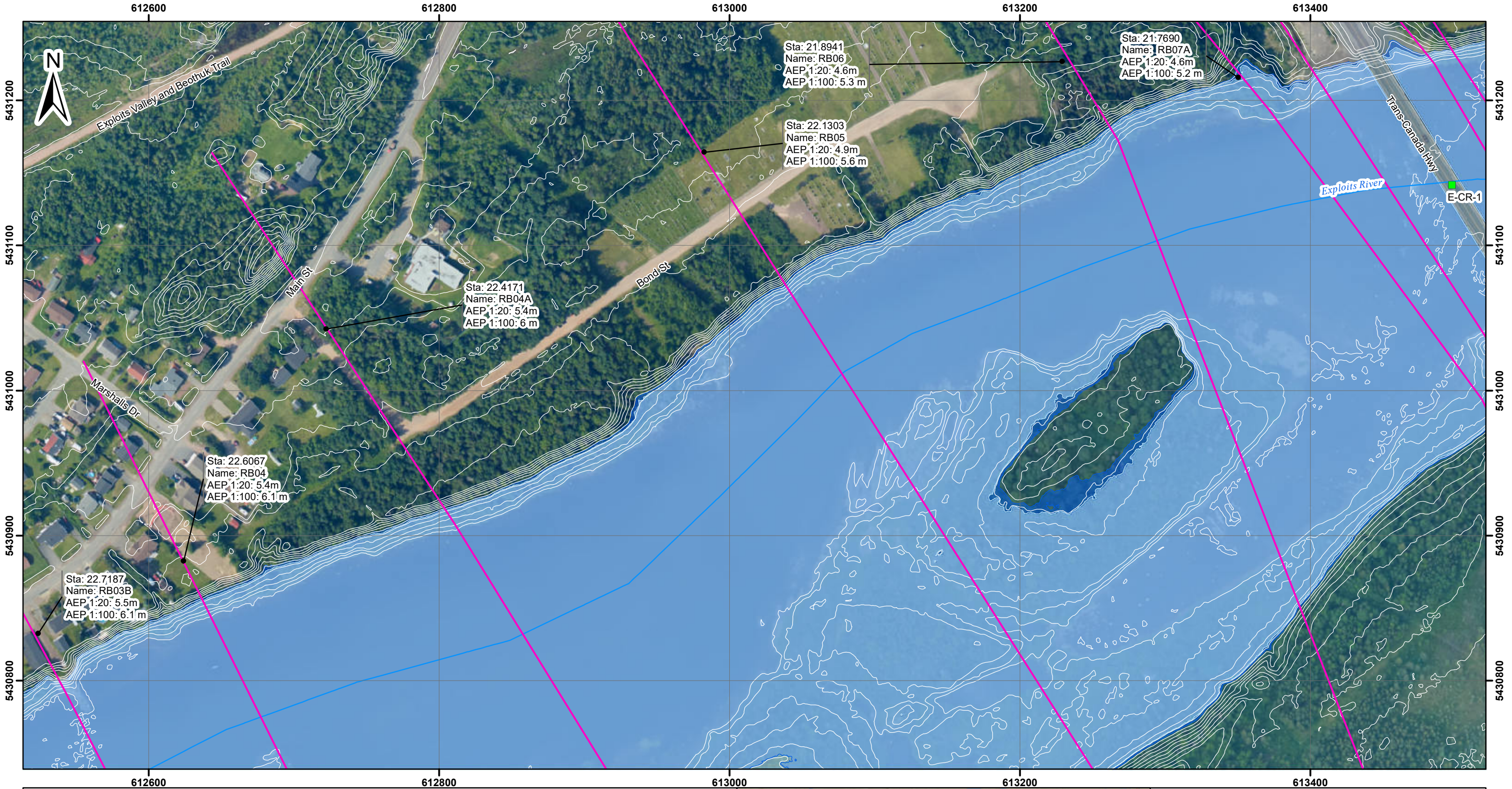
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KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 57 of 61
PROJECT #: H-358566	



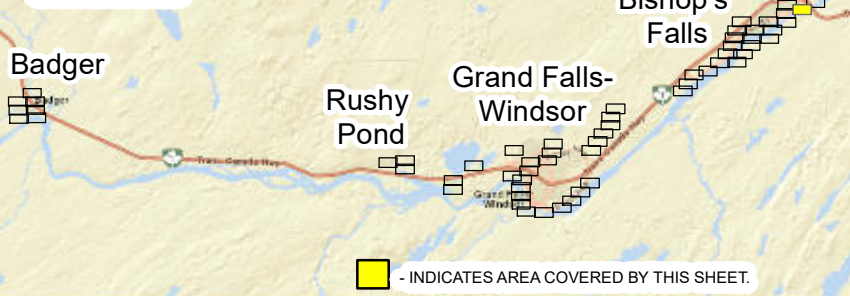
Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

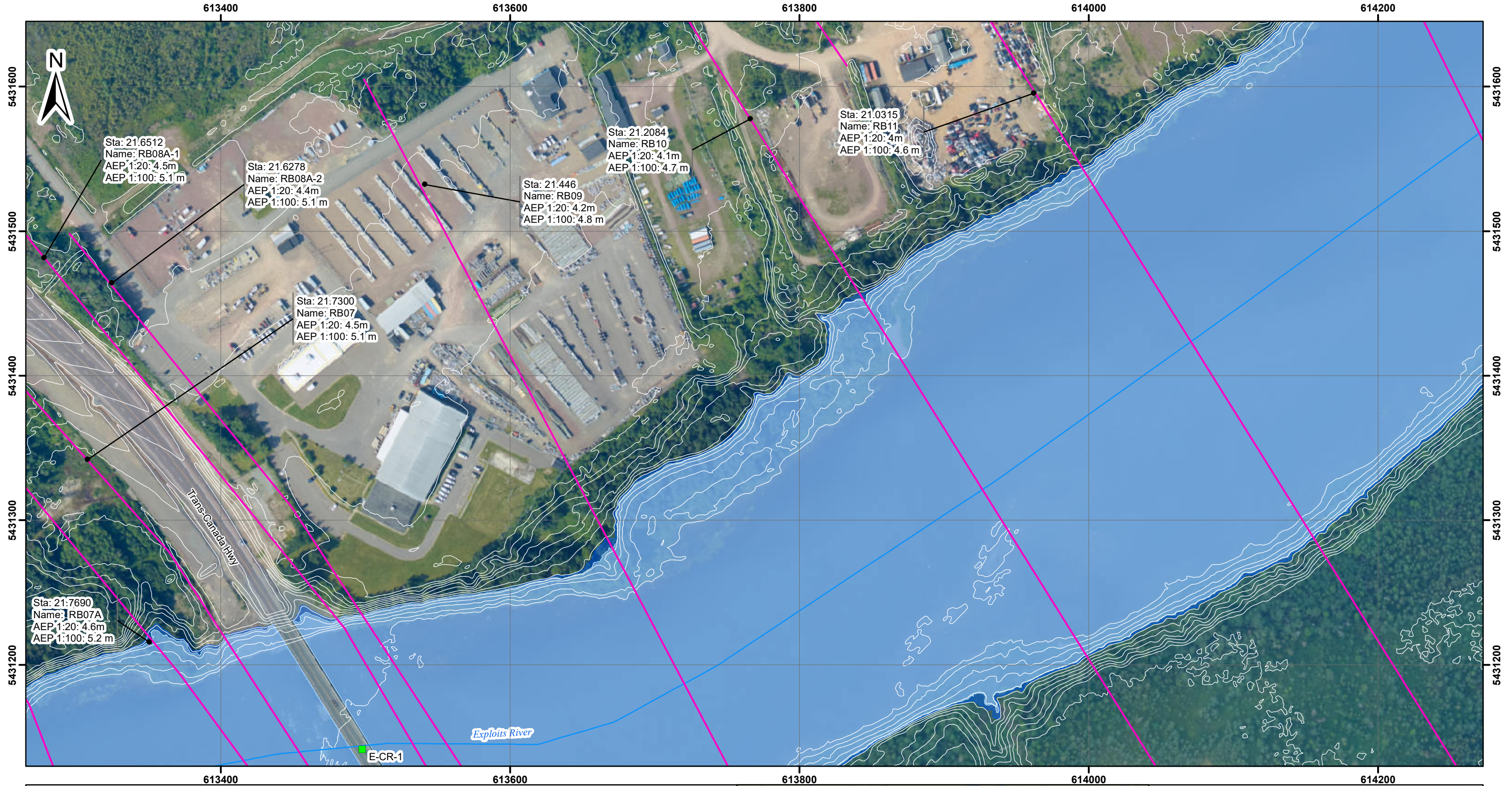
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- Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.
- 0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #13 FLOOD EXTENT MAP CLIMATE CHANGE DETAIL MAP	
DATE: 05/17/2021	Page 58 of 61
PROJECT #: H-358566	



Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

NOTES:

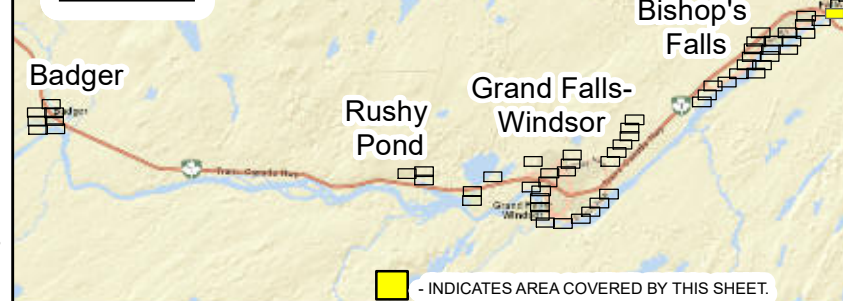
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Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

Cross Sections

0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



HATCH

Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION

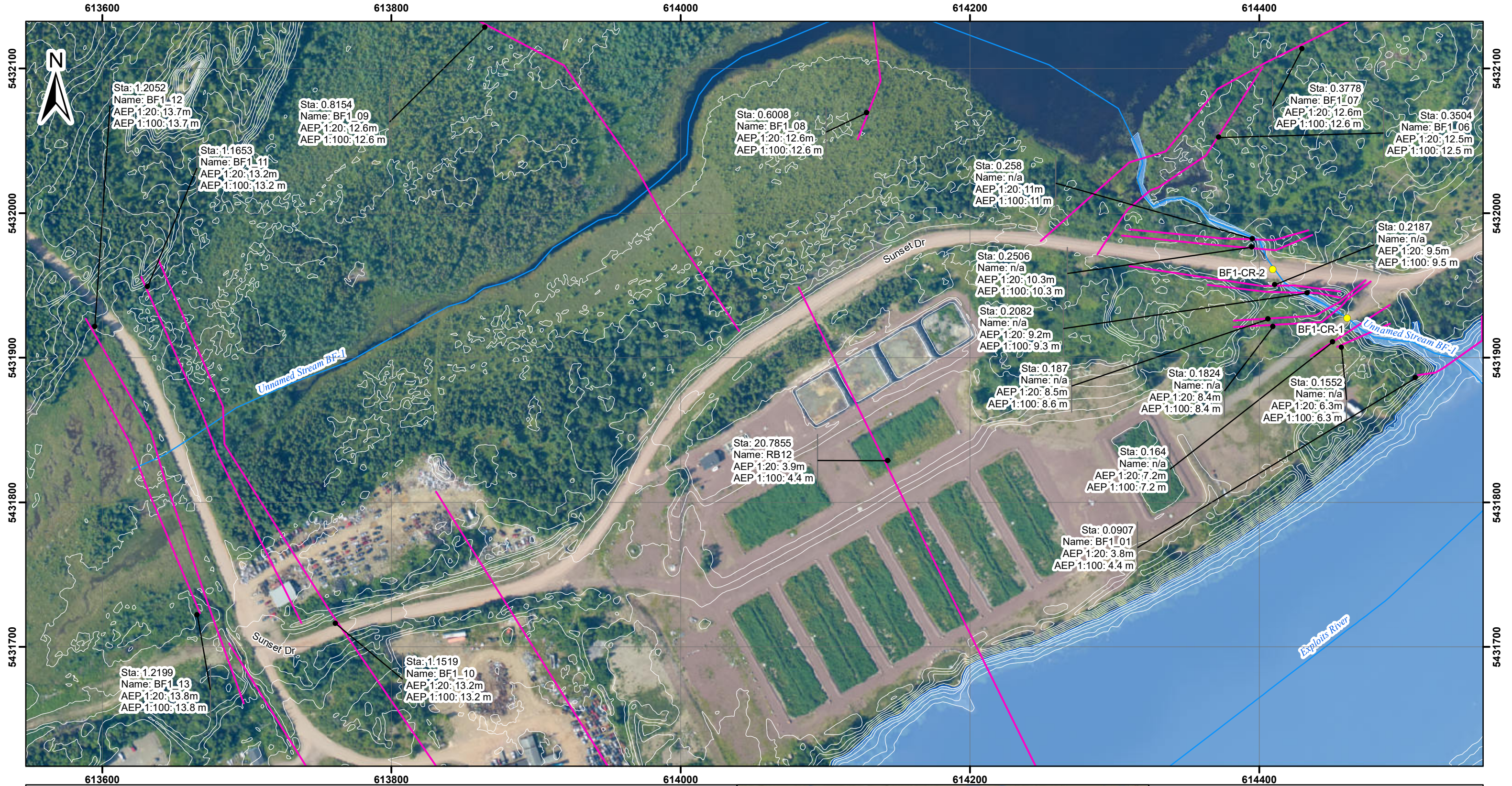
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566

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Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

NOTES:

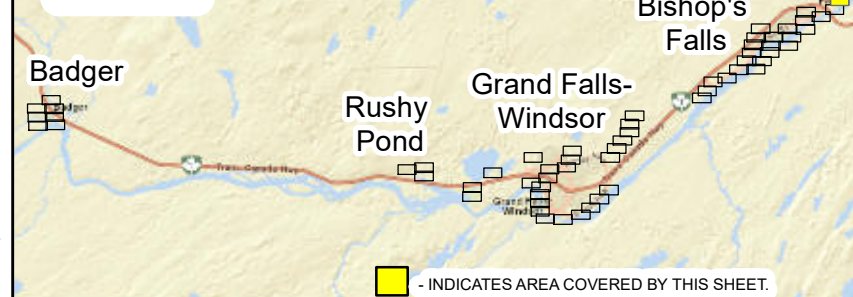
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Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

Cross Sections

0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566

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Legend

- 1:20 AEP Flood Zone Climate Change
- 1:100 AEP Flood Zone Climate Change
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

NOTES:

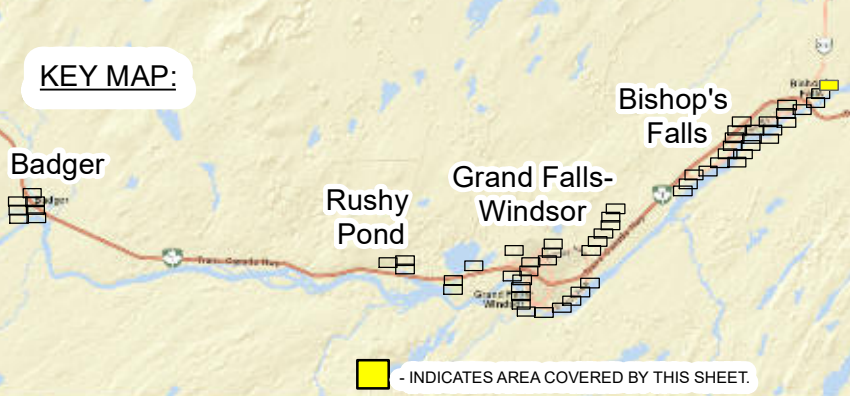
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Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

Cross Sections

0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



HATCH

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #13
FLOOD EXTENT MAP
CLIMATE CHANGE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566