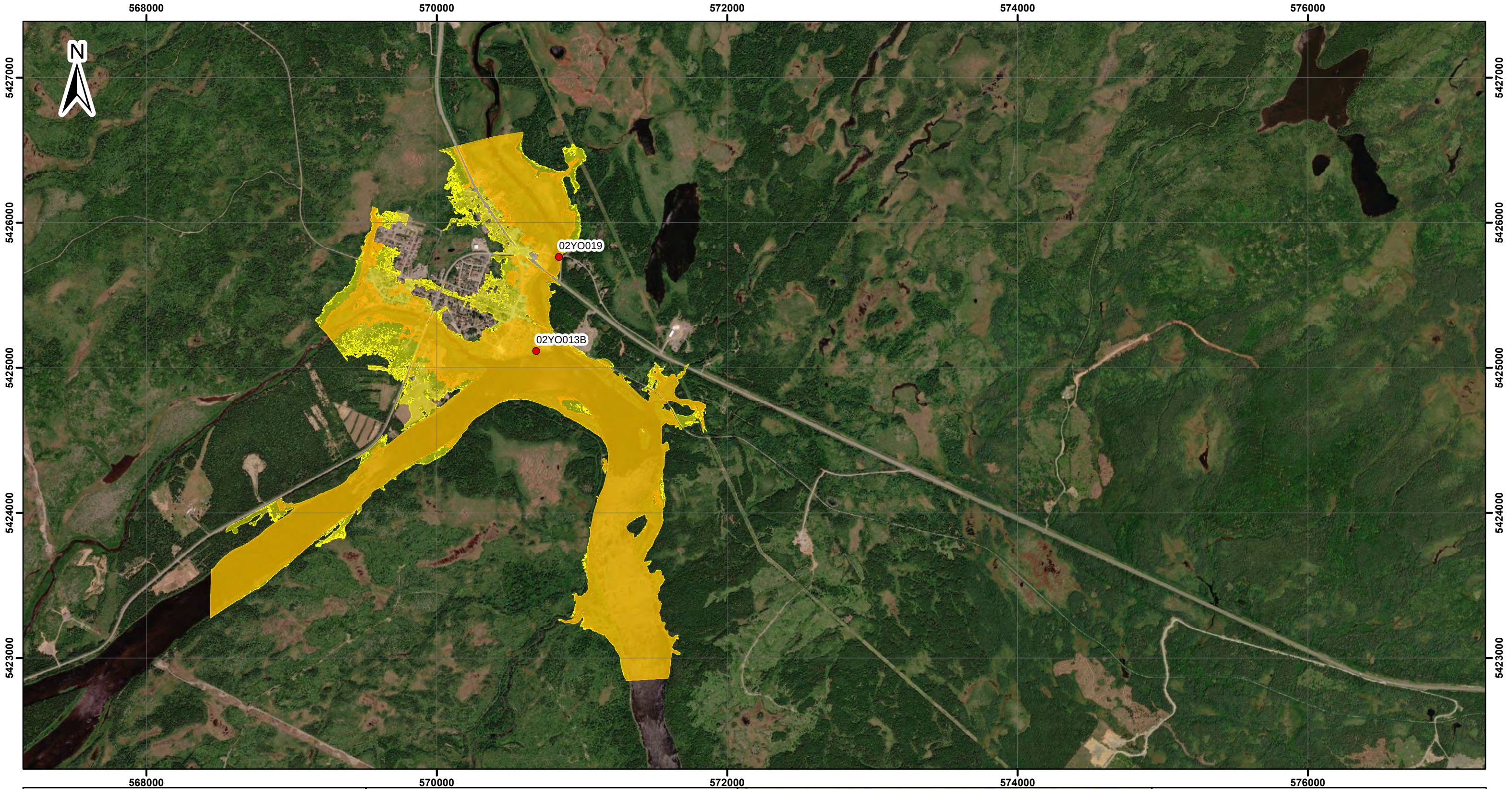


Appendix F.1: Map Set 1 – Flood Extent – Composite Ice and Open Water – Current Climate

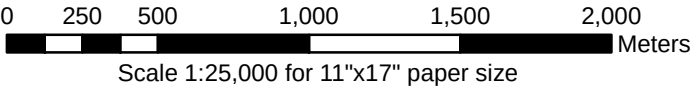


Legend

-  1:20 AEP Flood Zone Current Conditions
-  1:100 AEP Flood Zone Current Conditions
-  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:



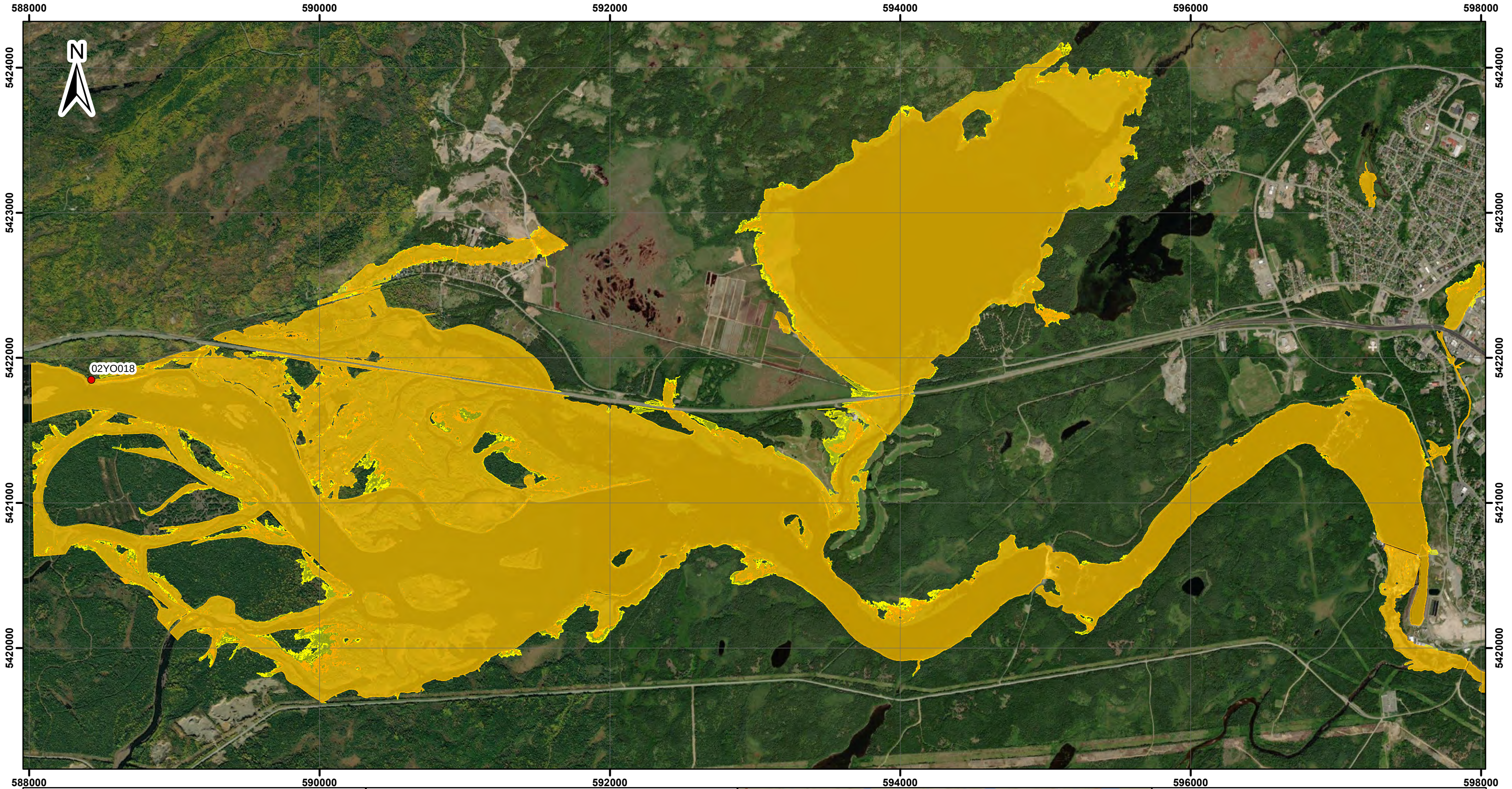
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
OVERVIEW MAP

DATE: 05/17/2021

PROJECT #: H-358566



- Legend**
- 1:20 AEP Flood Zone Current Conditions
 - 1:100 AEP Flood Zone Current Conditions
 - Hydrometric Station

NOTES:

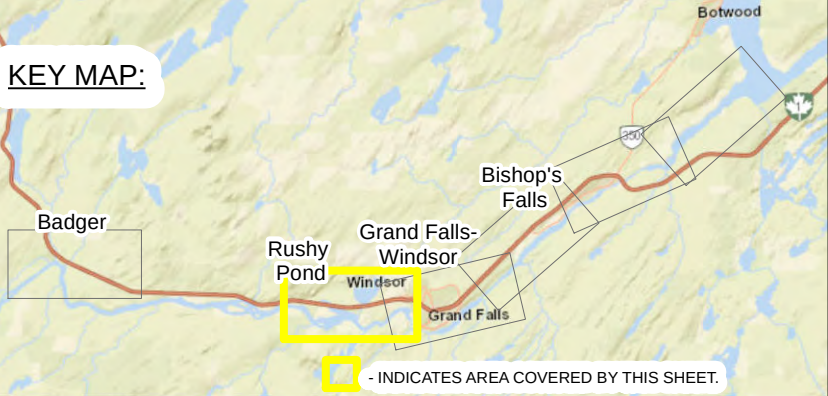
- Coordinates are based on the Universal Transverse Mercator Projection, North American Datum 1983, Zone 21N. Elevation data is based on the Canadian Geodetic Vertical Datum (CGVD) 2013.
- Aerial imagery and topographic map by ESRI.

02505001,0001,5002,000

Meters

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

KEY MAP:



HATCH

Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1

FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE

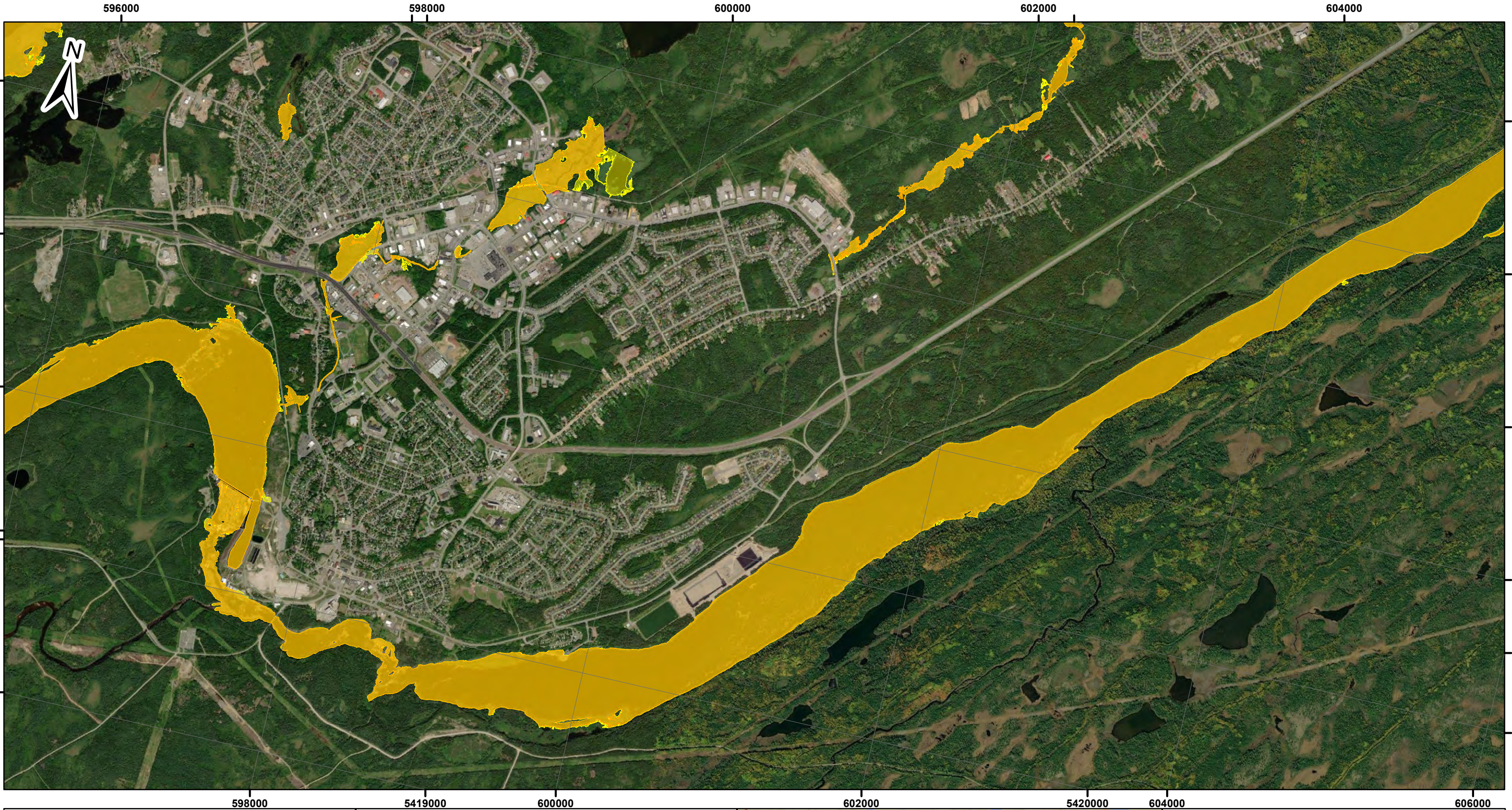
CURRENT CLIMATE

OVERVIEW MAP

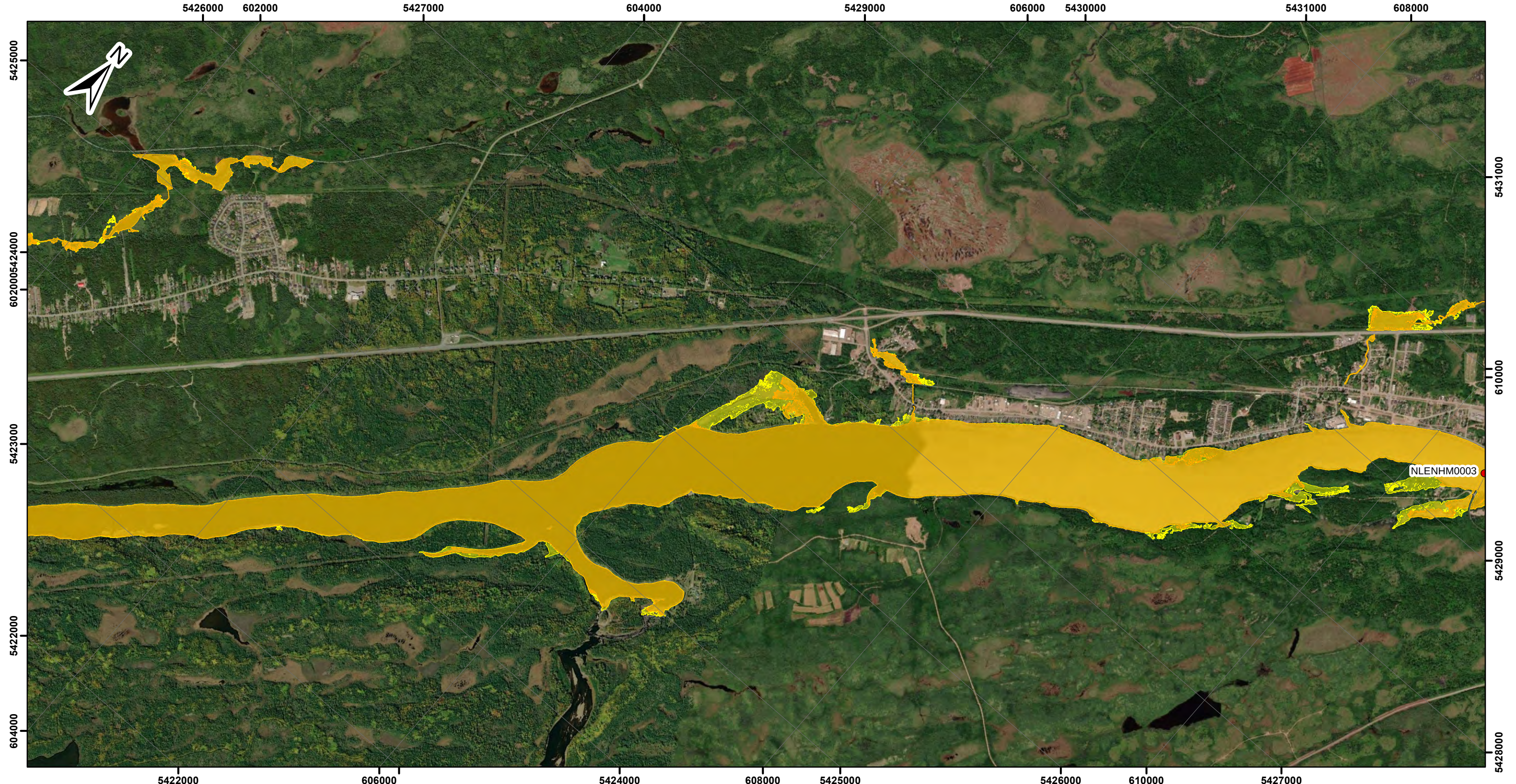
DATE: 05/17/2021

PROJECT #: H-358566

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Legend 1:20 AEP Flood Zone Current Conditions 1:100 AEP Flood Zone Current Conditions - 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: - INDICATES AREA COVERED BY THIS SHEET.	 WATER RESOURCES MANAGEMENT DIVISION EXPLOITS RIVER FLOOD RISK MAPPING STUDY MAP SET #1 FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE CURRENT CLIMATE OVERVIEW MAP <table border="1"><tr><td>DATE: 05/17/2021</td><td rowspan="2">Page 3 of 6</td></tr><tr><td>PROJECT #: H-358566</td></tr></table>	DATE: 05/17/2021	Page 3 of 6	PROJECT #: H-358566
DATE: 05/17/2021	Page 3 of 6					
PROJECT #: H-358566						

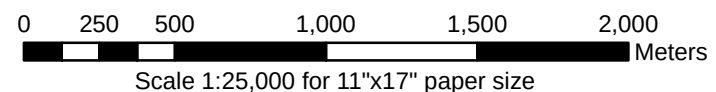


Legend

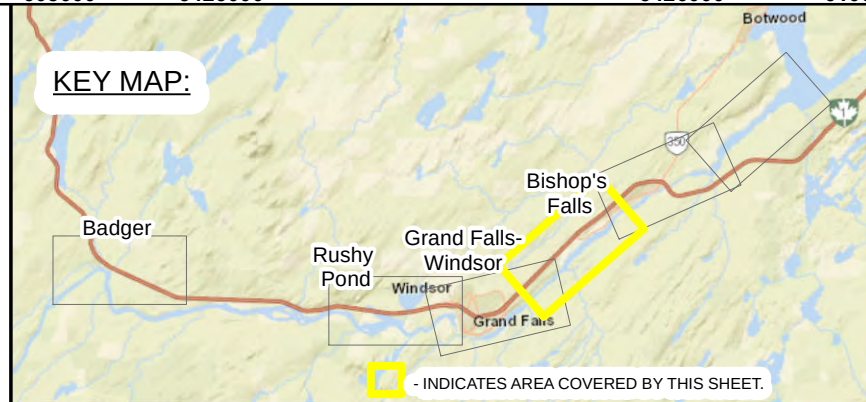
-  1:20 AEP Flood Zone Current Conditions
-  1:100 AEP Flood Zone Current Conditions
-  Hydrometric Station

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

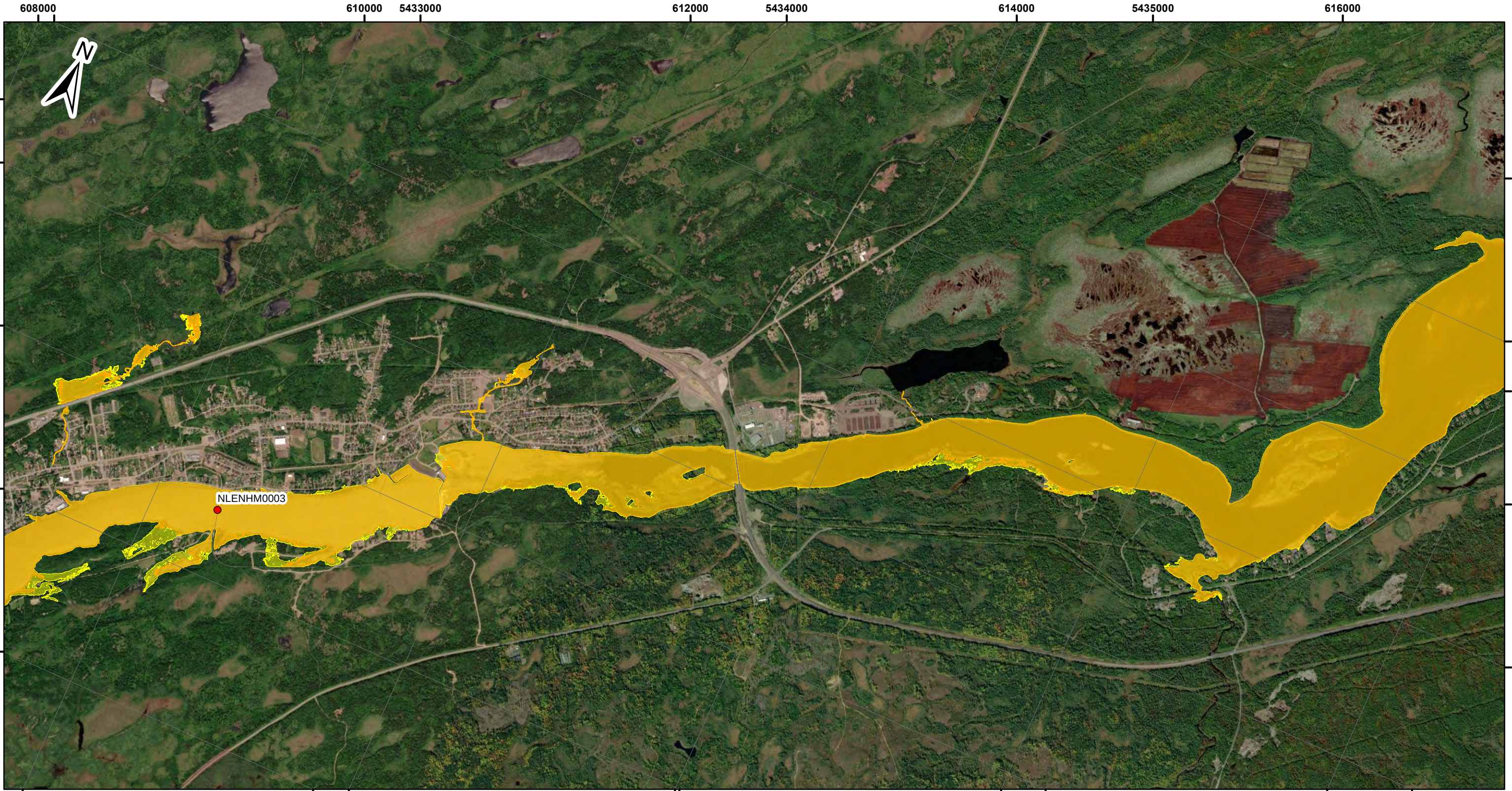
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
OVERVIEW MAP

DATE: 05/17/2021

PROJECT #: H-358566

Page 4 of 6



Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- 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.

02505001,0001,5002,000

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

Meters

KEY MAP:

WATER RESOURCES MANAGEMENT DIVISION

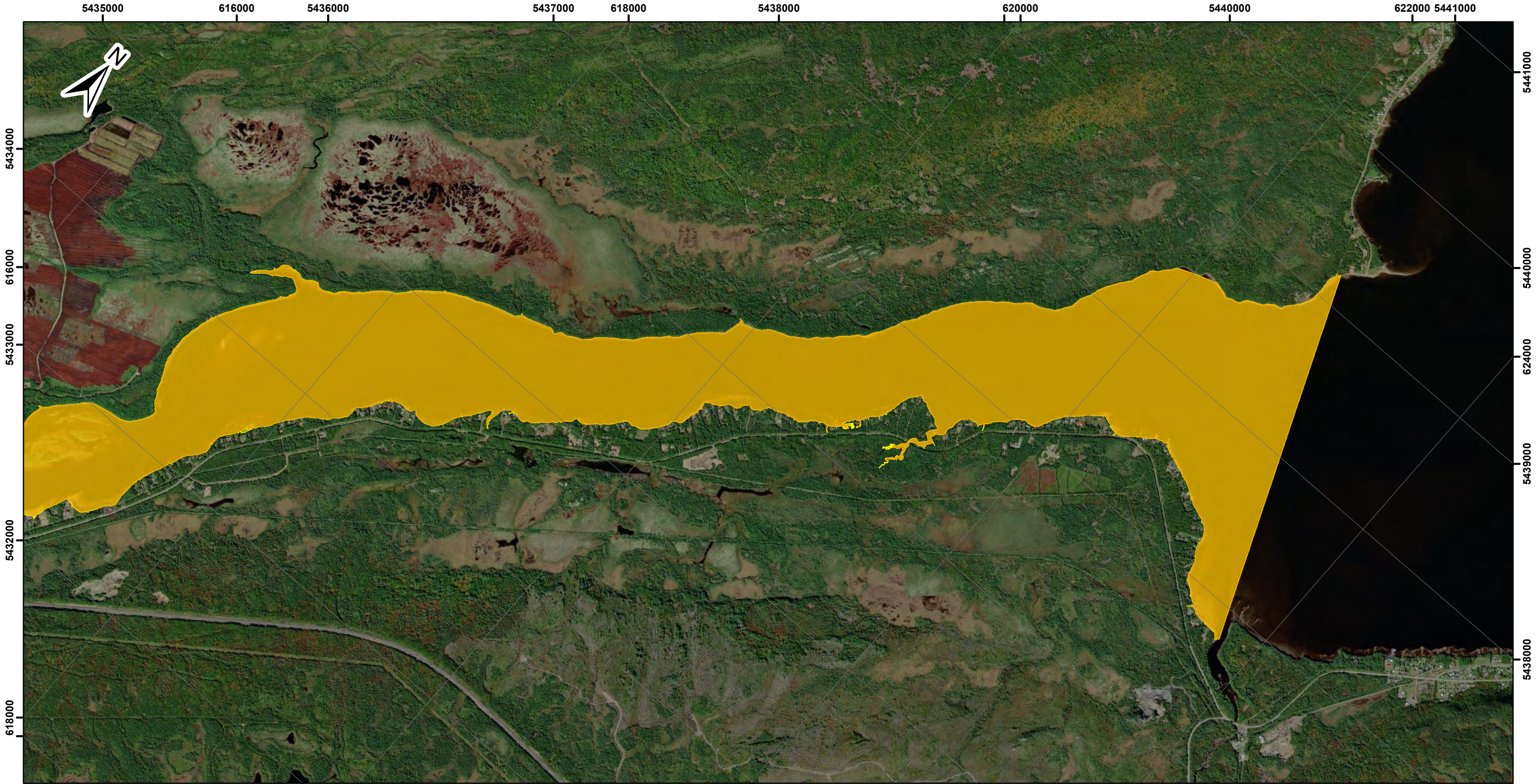
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
OVERVIEW MAP

DATE: 05/17/2021

PROJECT #: H-358566

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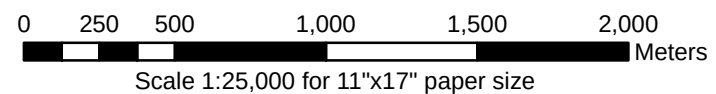


Legend

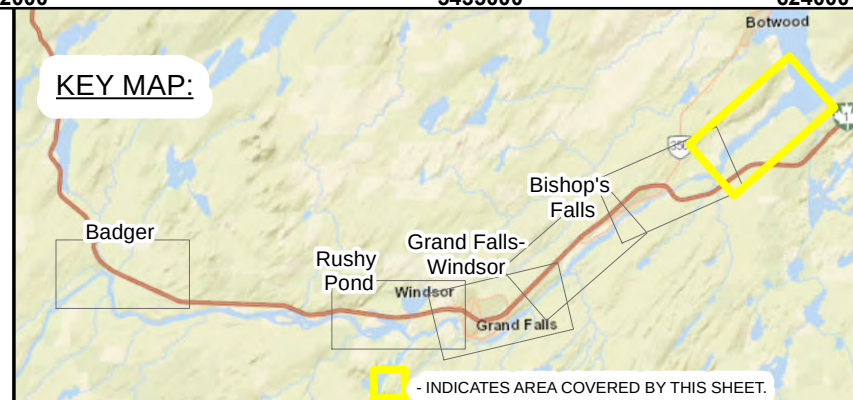
-  1:20 AEP Flood Zone Current Conditions
-  1:100 AEP Flood Zone Current Conditions
-  Hydrometric Station

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.



KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION

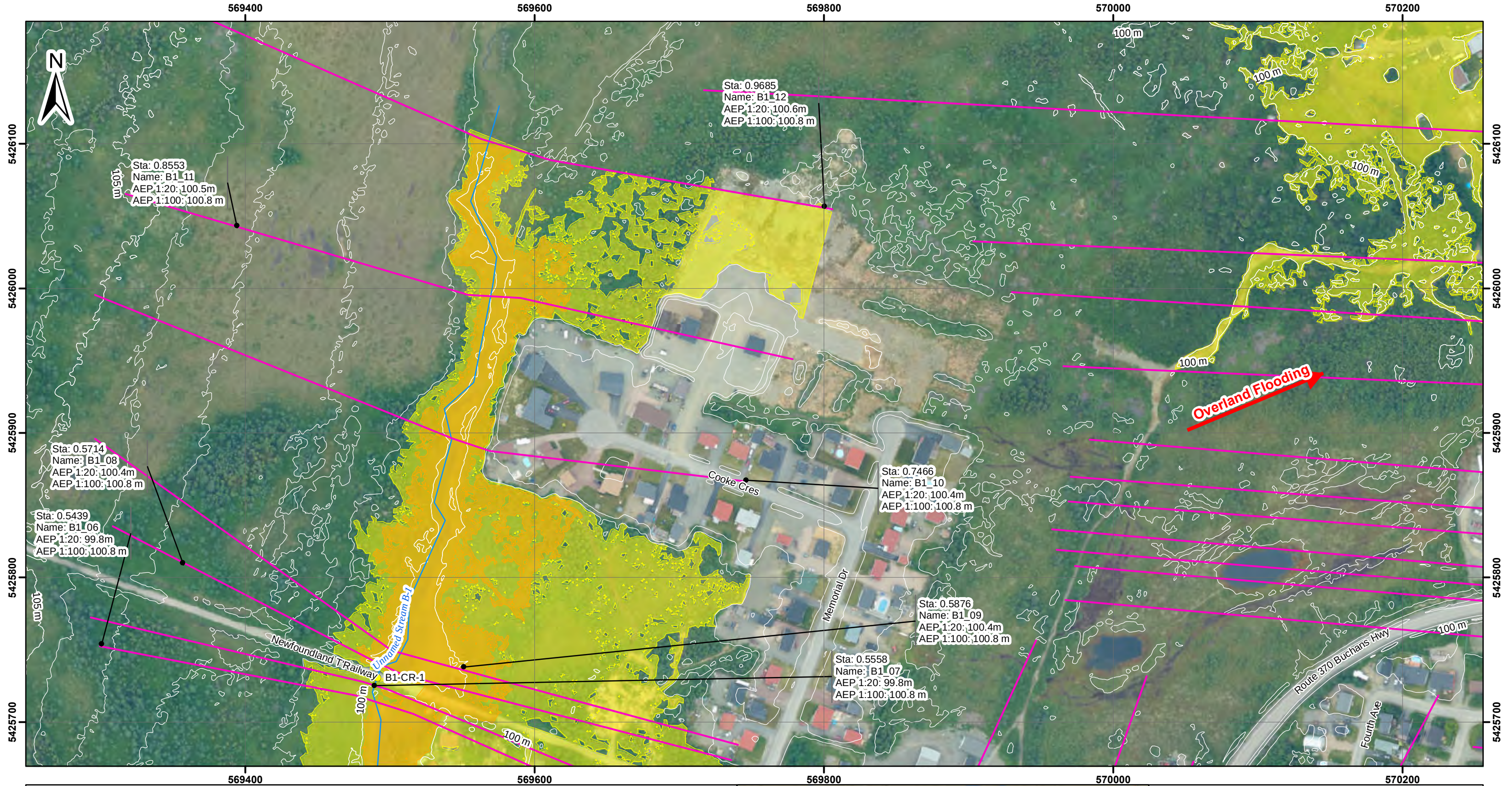
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
OVERVIEW MAP

DATE: 05/17/2021

PROJECT #: H-358566

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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station



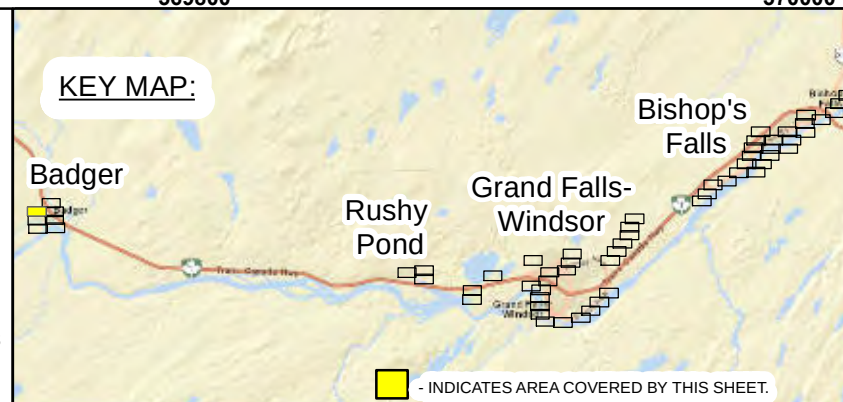
Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

NOTES:

- 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.
- Aerial imagery in project area by Leading Edge Geomatics Jul. 25-26, 2019.
- 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

KEY MAP:



HATCH

Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION

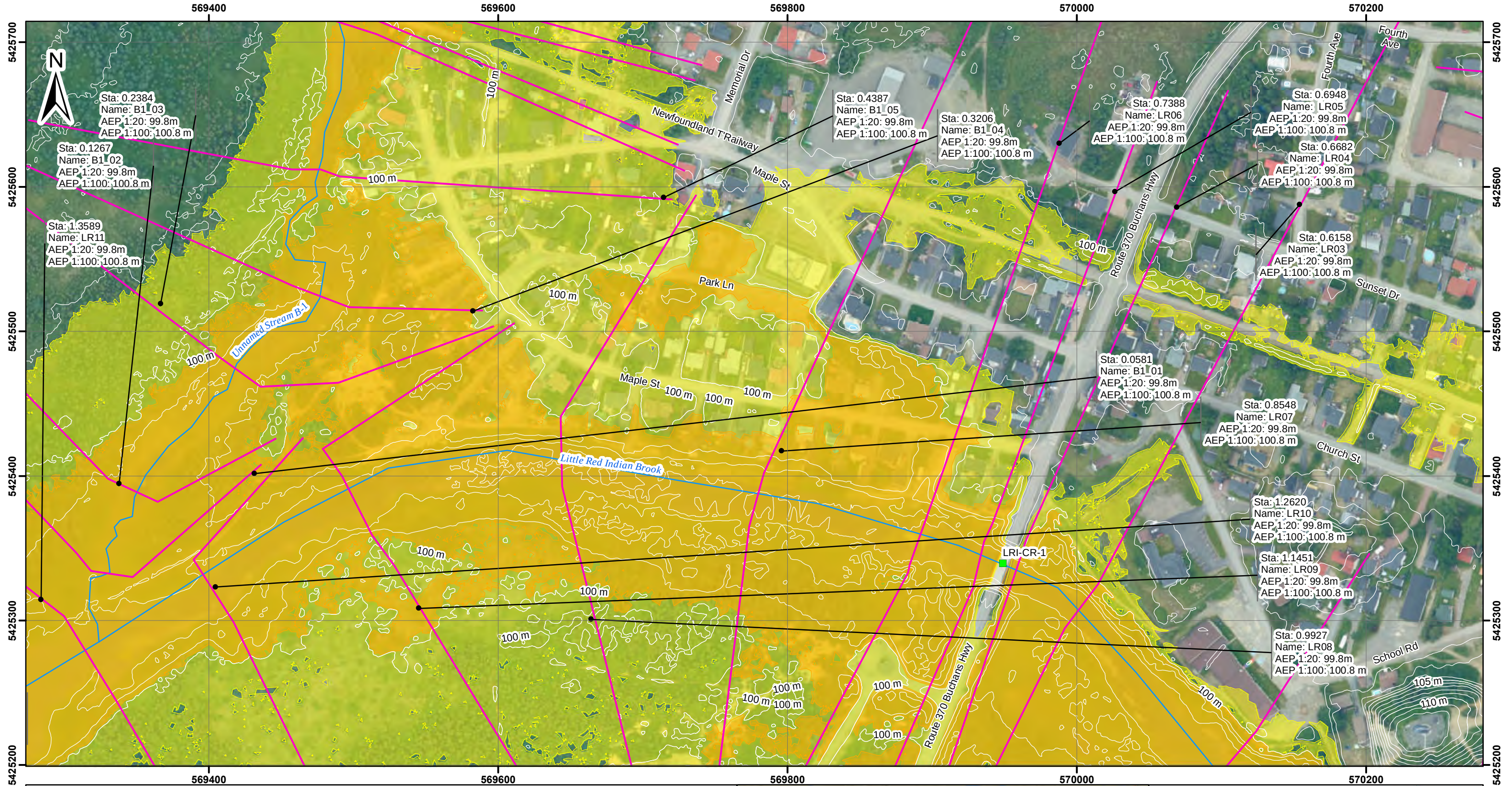
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

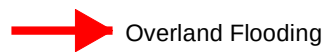
PROJECT #: H-358566

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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station



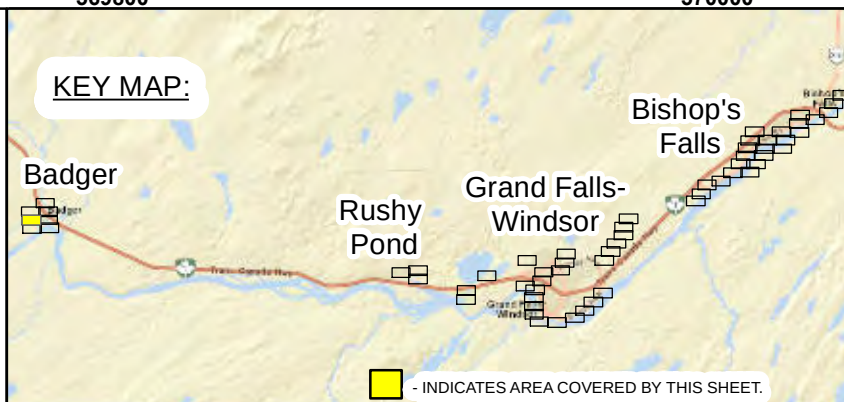
Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

NOTES:

- 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.

0 12.5 25 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



HATCH

Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION

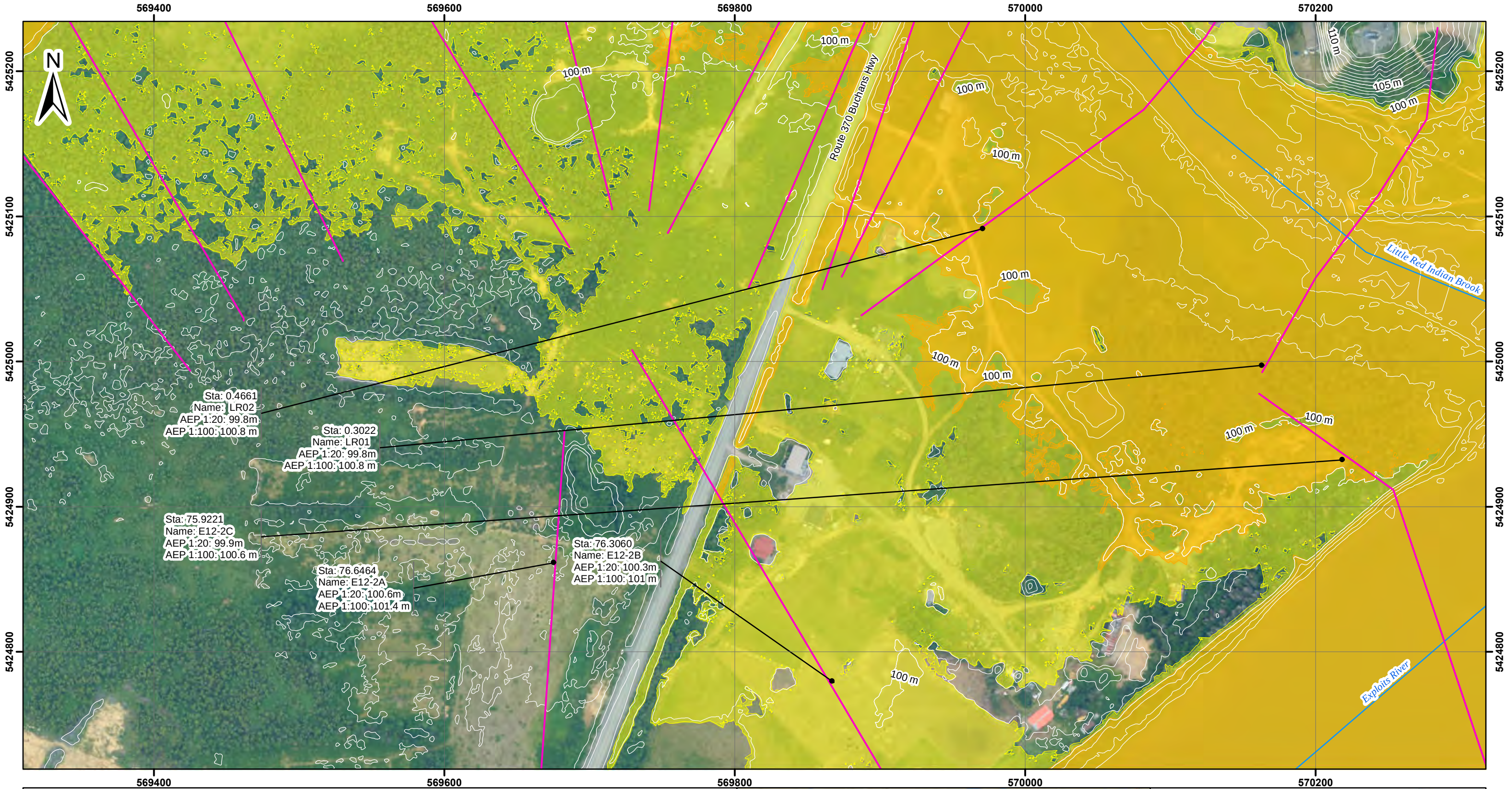
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566

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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station



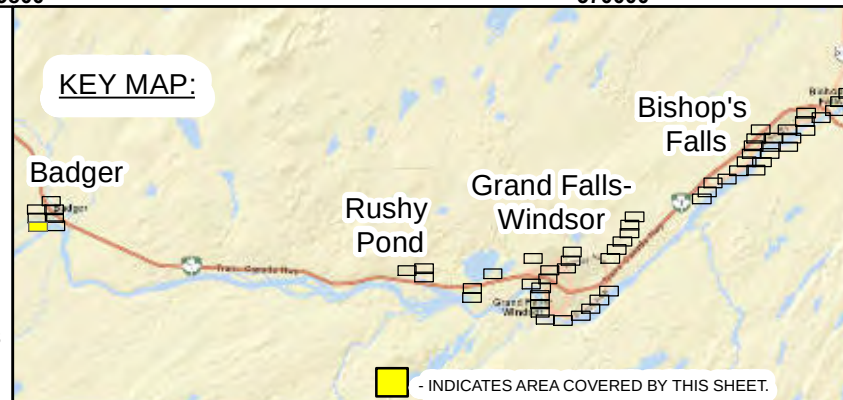
Sta: Station
 Name: Survey ID (n/a if not surveyed)
 AEP 1:20: 1:20 Water Surface El.
 AEP 1:100: 1:100 Water Surface El.

NOTES:

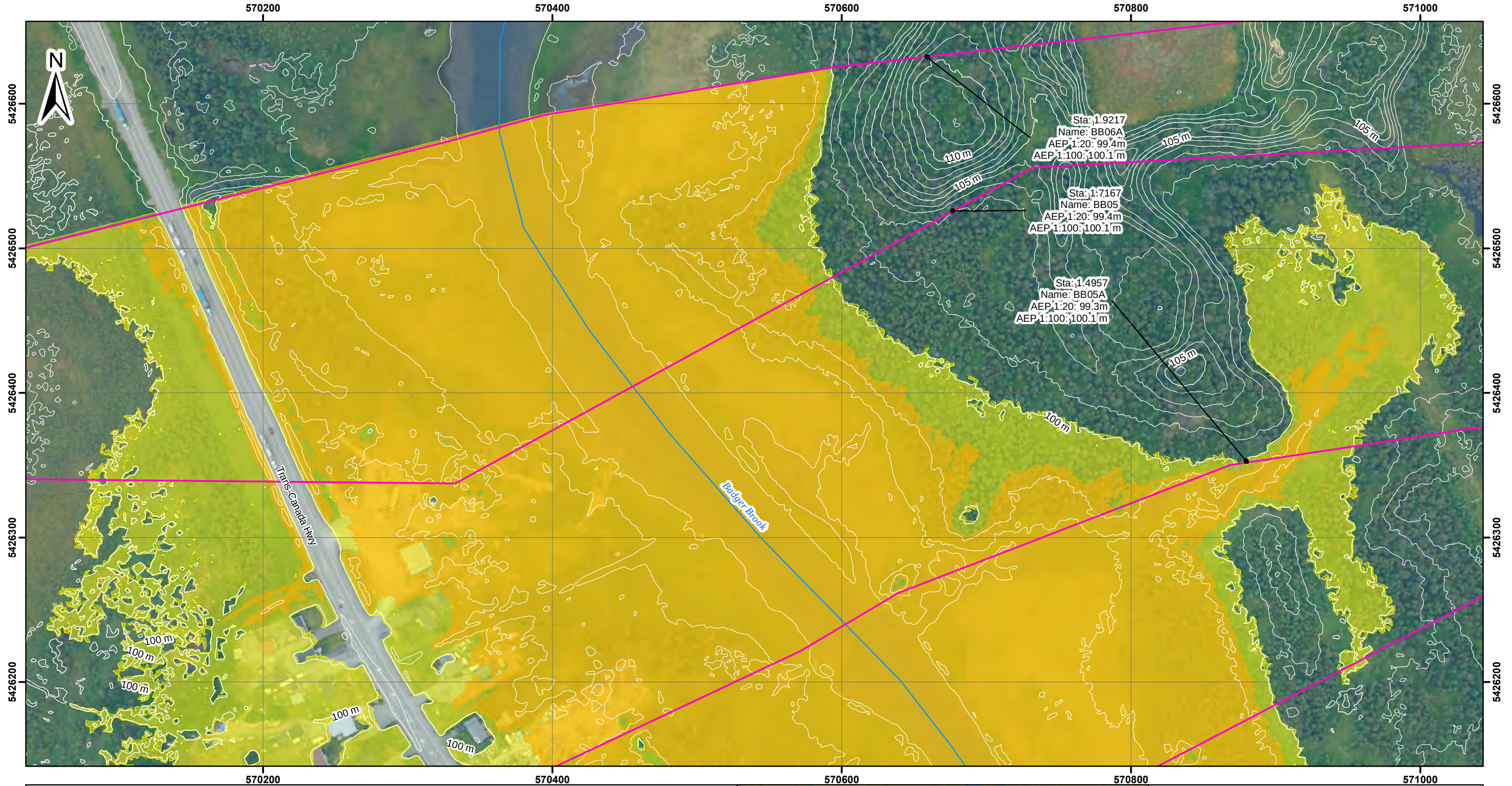
- Coordinates are based on the Universal Transverse Mercator Projection, North American Datum 1983, Zone 21N. Elevation data is based on the Canadian Geodetic Vertical Datum (CGVD) 2013.
- Lidar data by Leading Edge Geomatics Aug. 15-16, 2019.
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- Topographic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

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 #1 FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE CURRENT CLIMATE DETAIL MAP	
DATE: 05/17/2021	Page 3 of 61
PROJECT #: H-358566	



Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- 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.

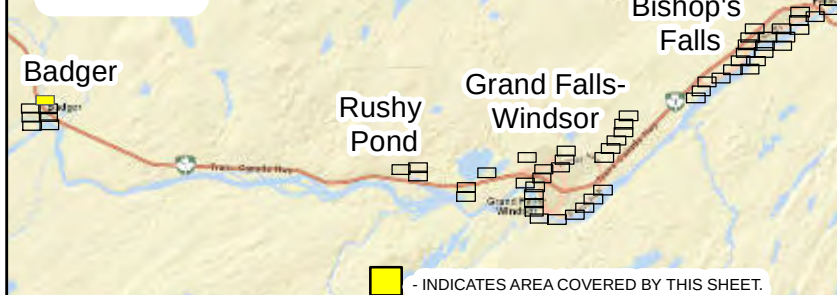
NOTES:

- 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.

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

Cross Sections

KEY MAP:



HATCH



WATER RESOURCES MANAGEMENT DIVISION

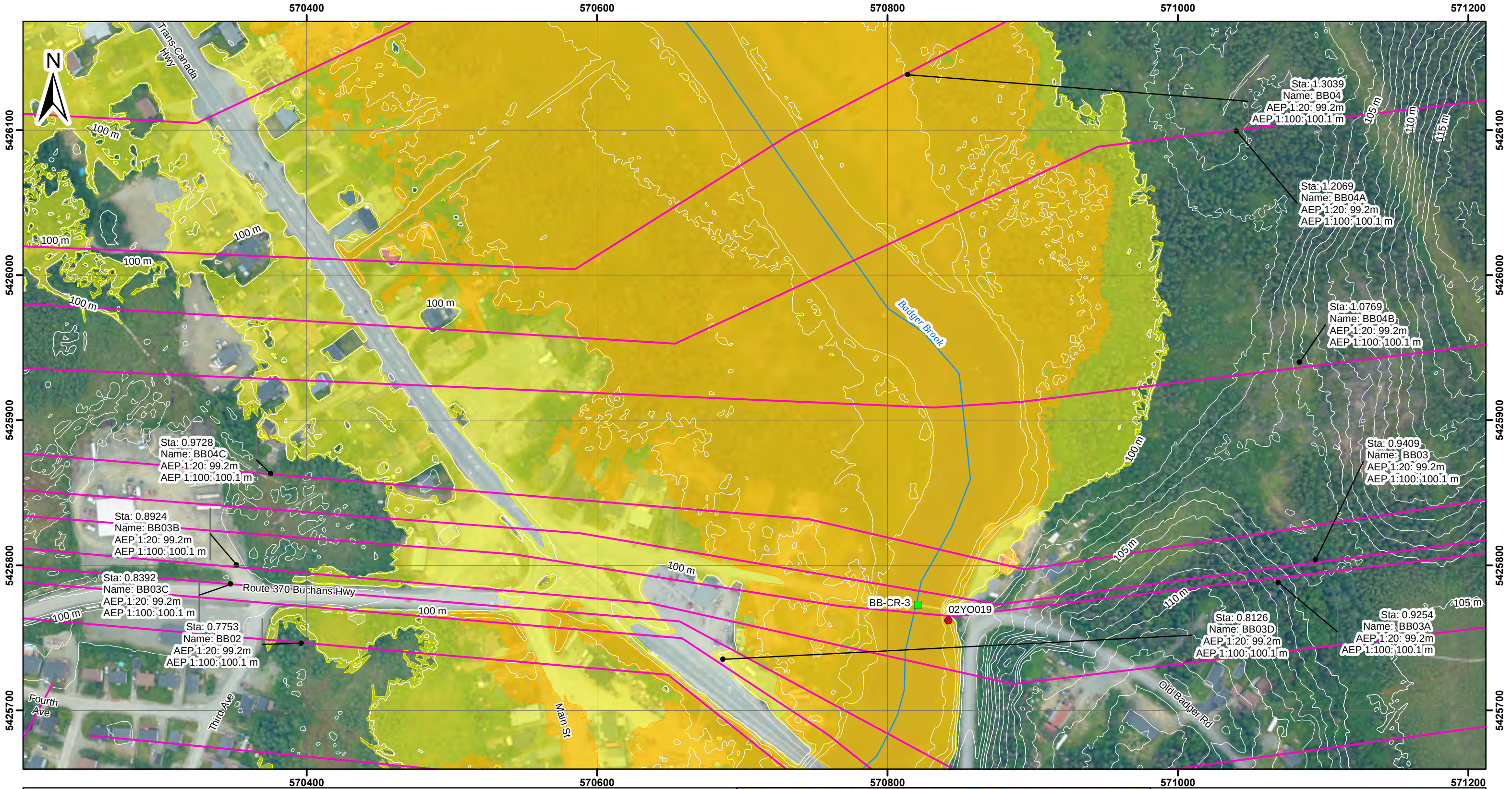
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566

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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- 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.

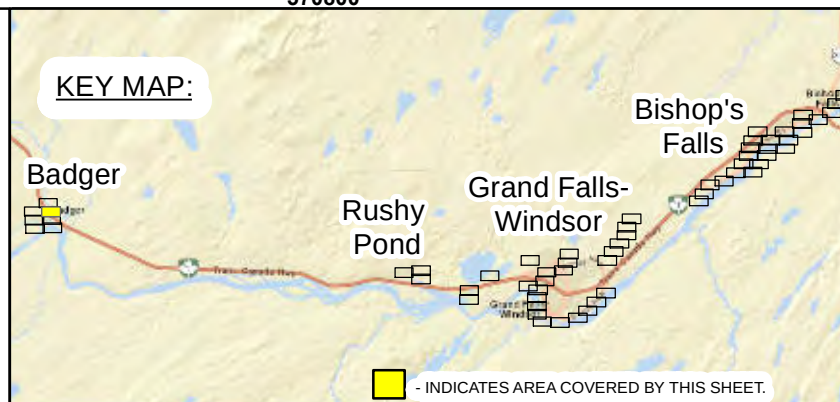
NOTES:

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

Cross Sections

KEY MAP:



HATCH

Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION

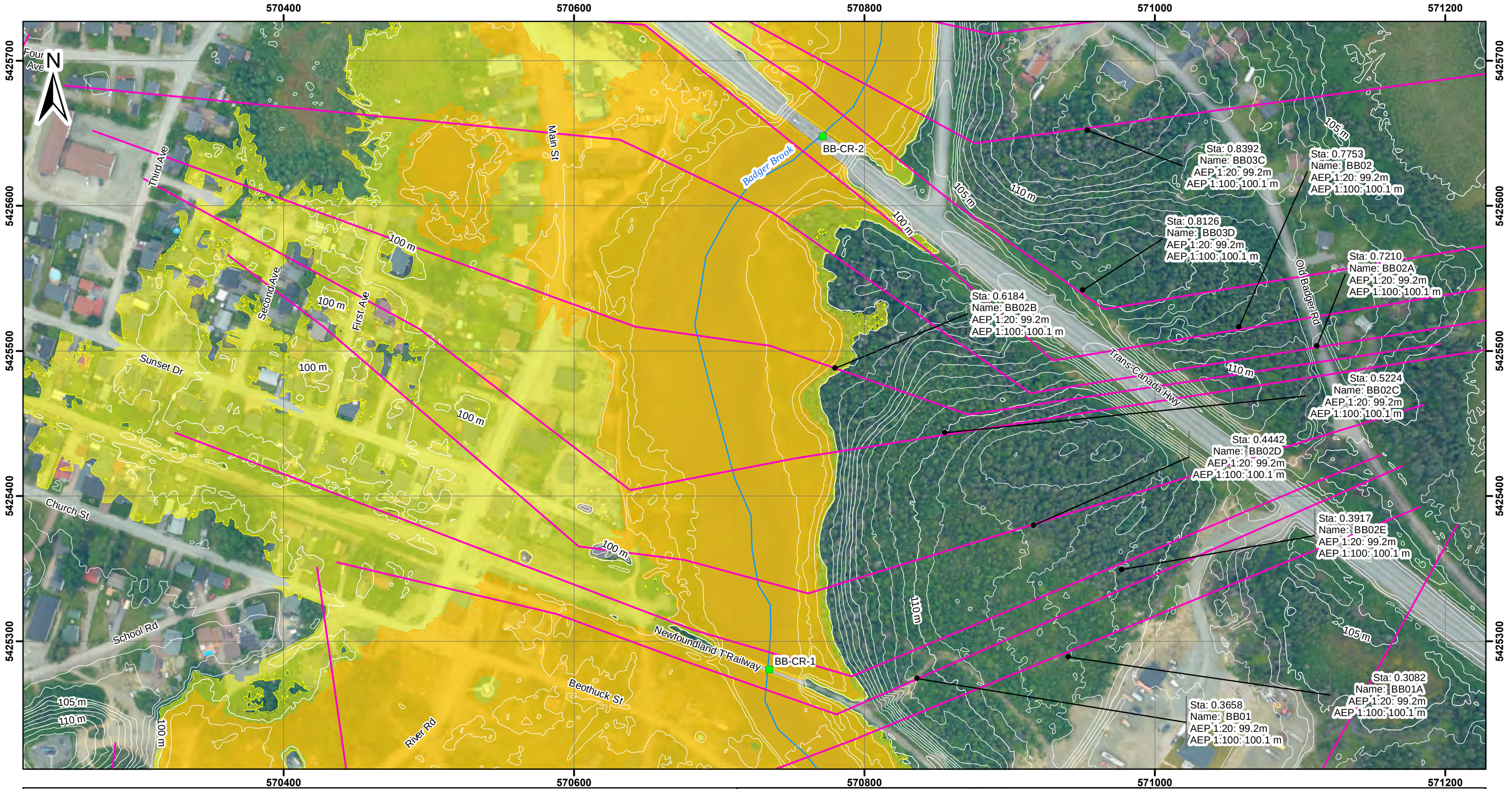
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566

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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

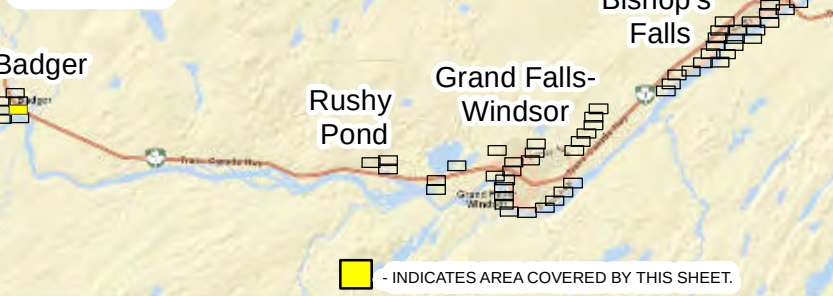
Overland Flooding

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
- Cross Sections

KEY MAP:



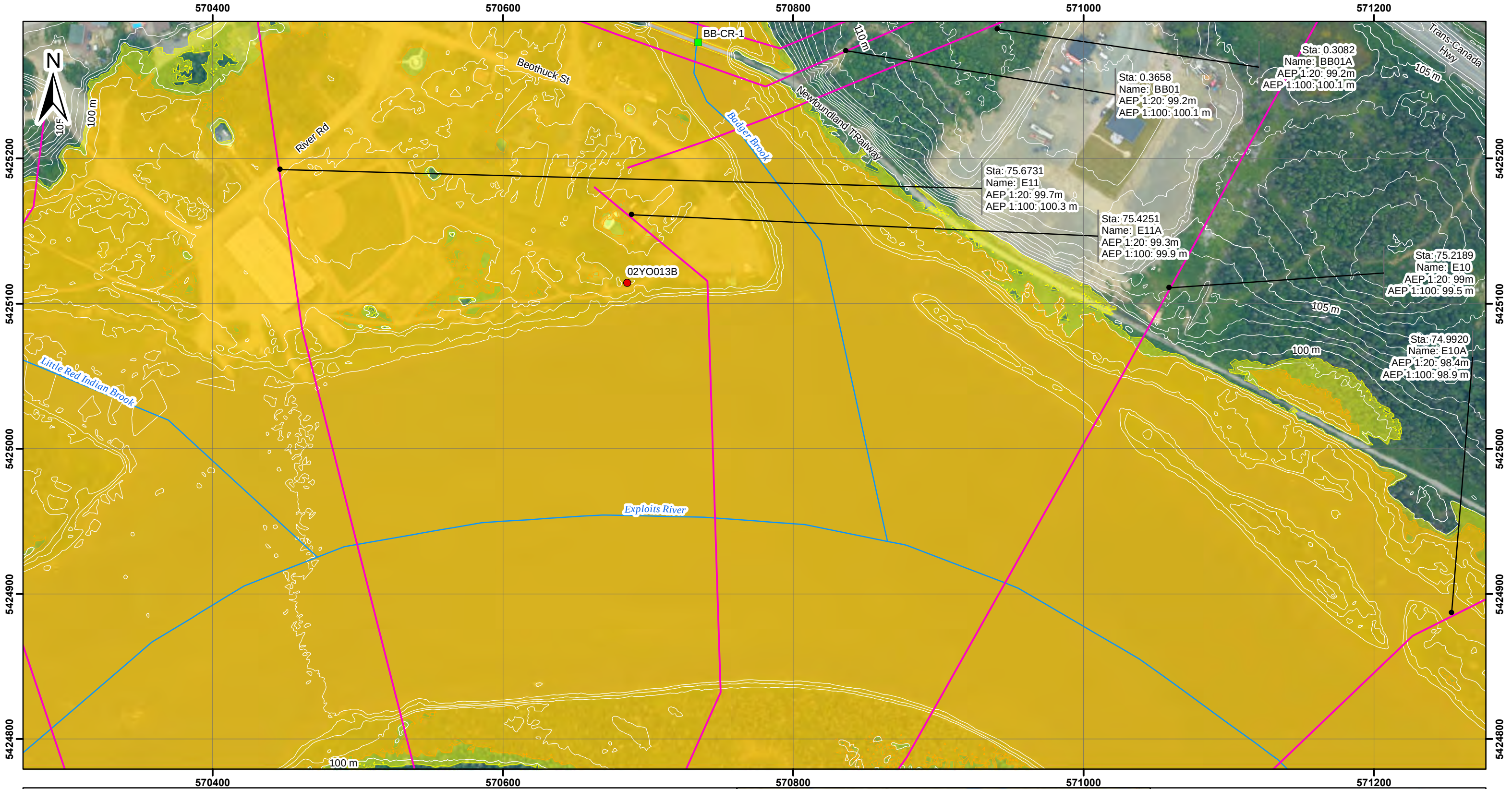
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

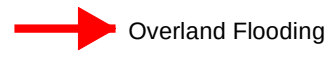
DATE: 05/17/2021

PROJECT #: H-358566



Legend

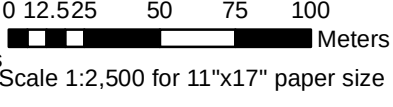
- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station



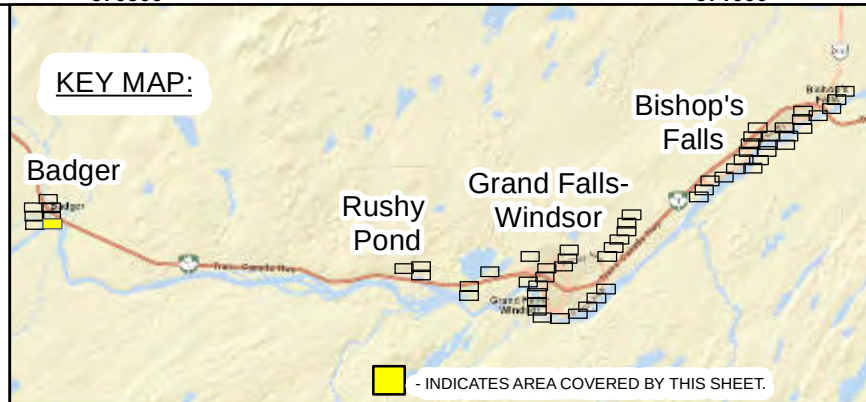
Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

NOTES:

- 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.



KEY MAP:



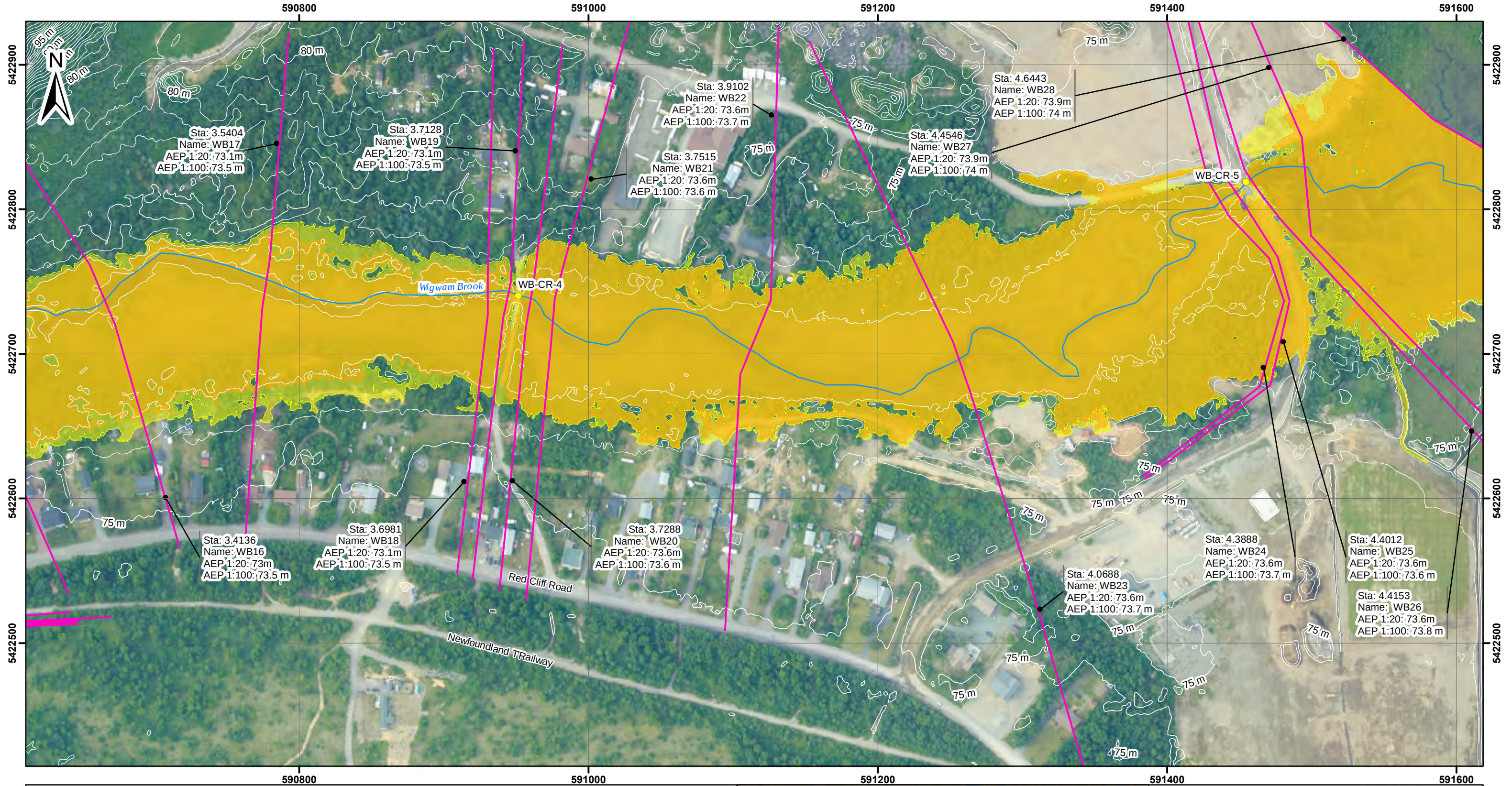
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566



Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- 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.

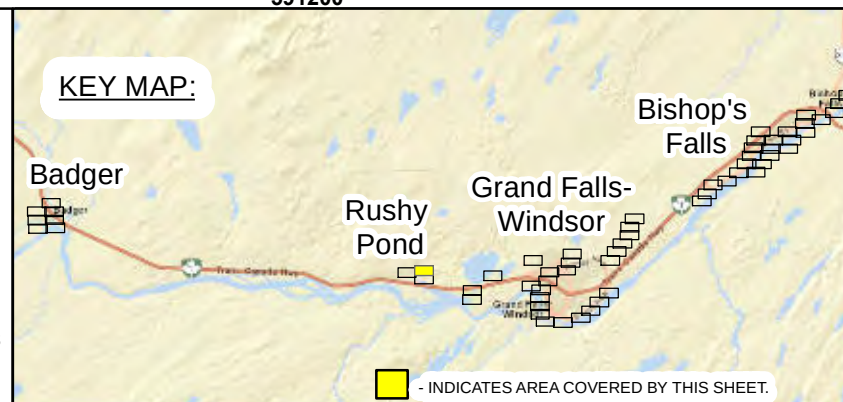
NOTES:

- 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.

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

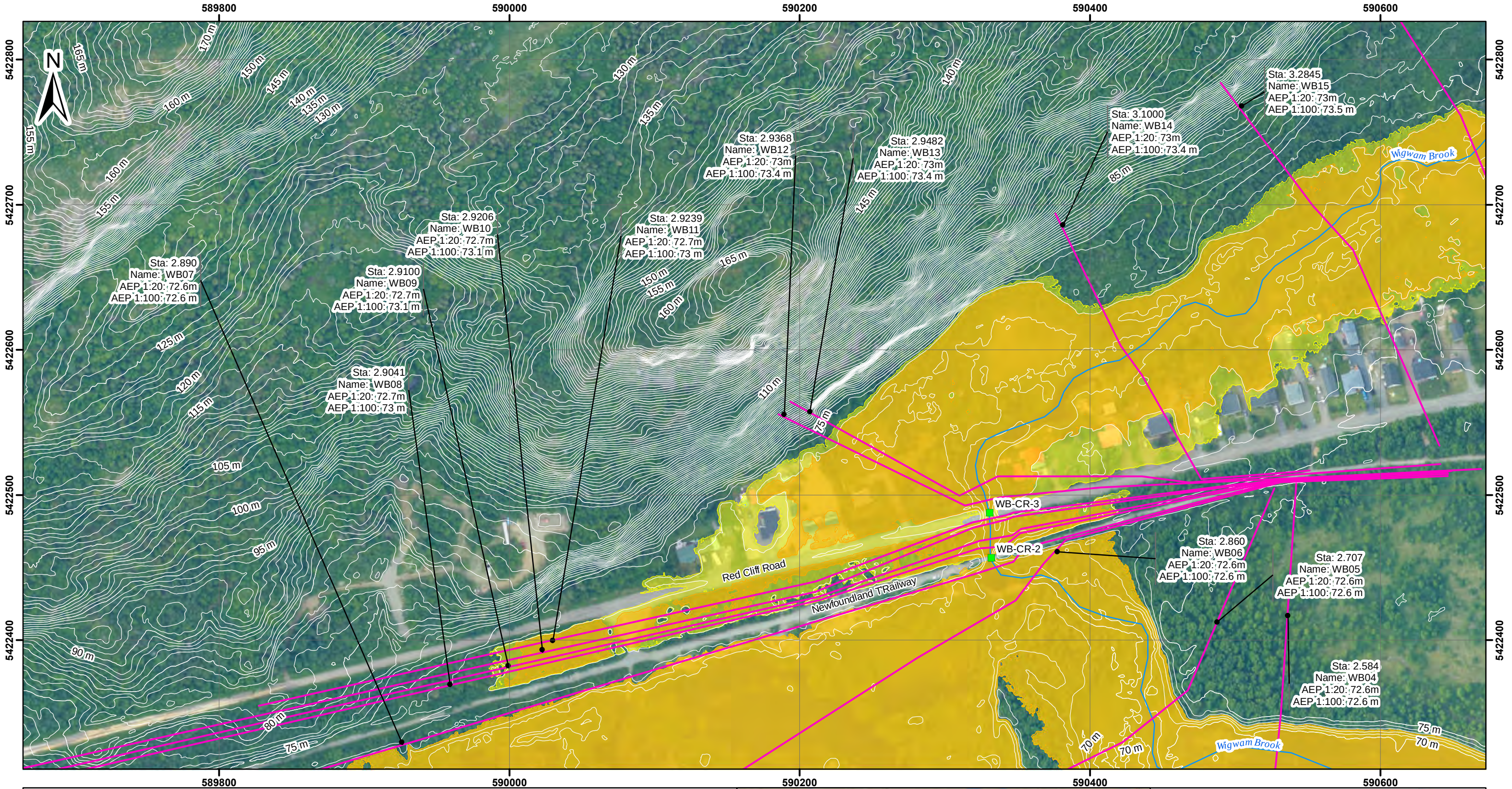
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

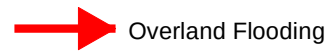
PROJECT #: H-358566

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Legend

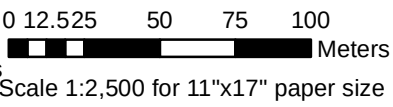
- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station



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.

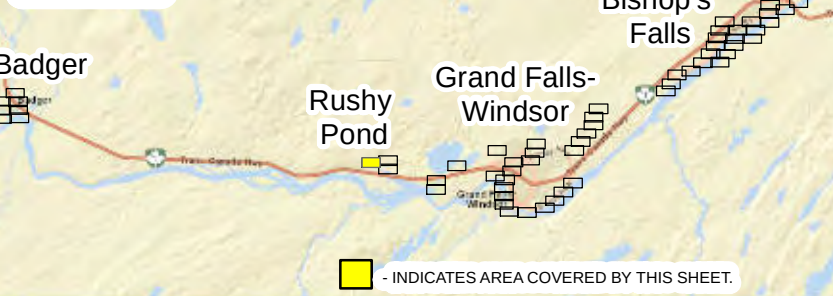
NOTES:

- 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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Cross Sections

KEY MAP:



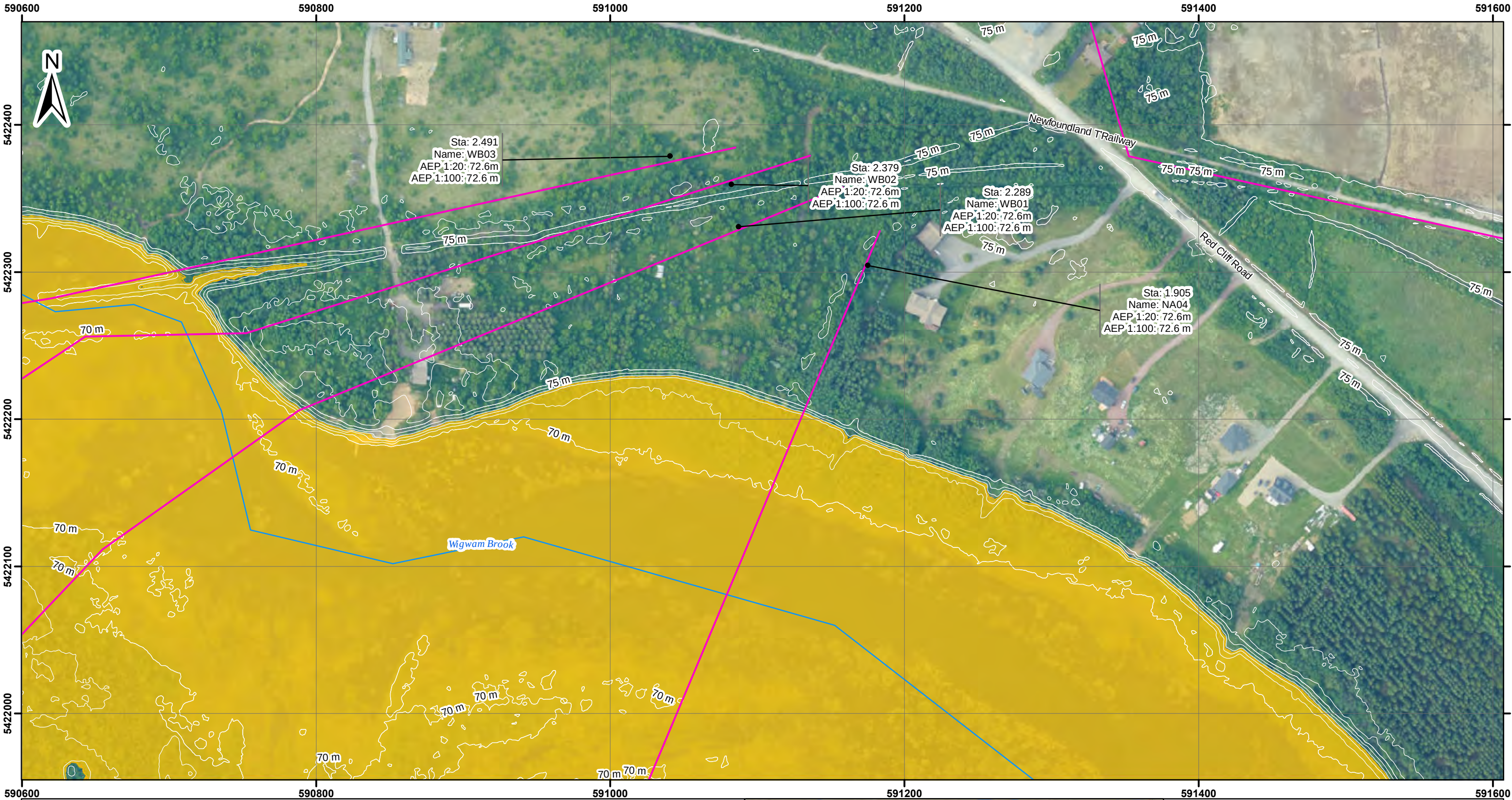
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566



Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station



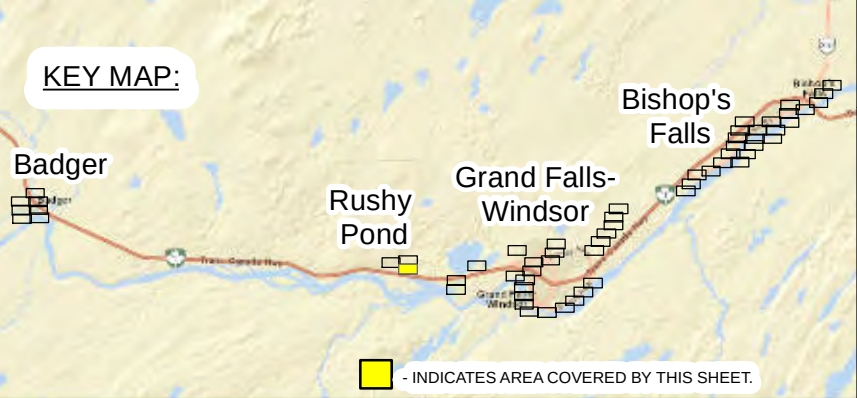
Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

NOTES:

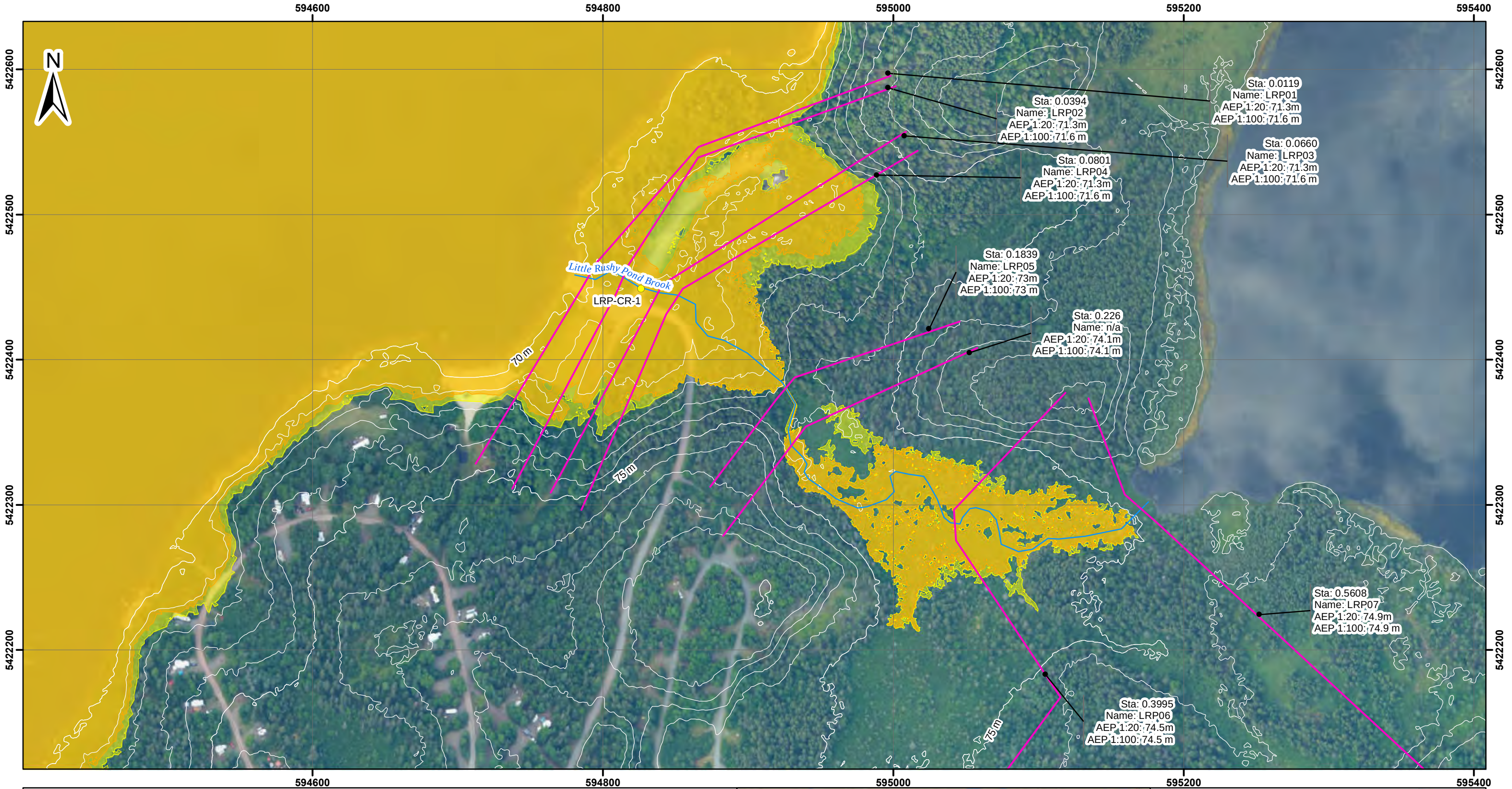
- Coordinates are based on the Universal Transverse Mercator Projection, North American Datum 1983, Zone 21N. Elevation data is based on the Canadian Geodetic Vertical Datum (CGVD) 2013.
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0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #1	
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE	
CURRENT CLIMATE	
DETAIL MAP	
DATE: 05/17/2021	Page 10 of 61
PROJECT #: H-358566	



Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- 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.

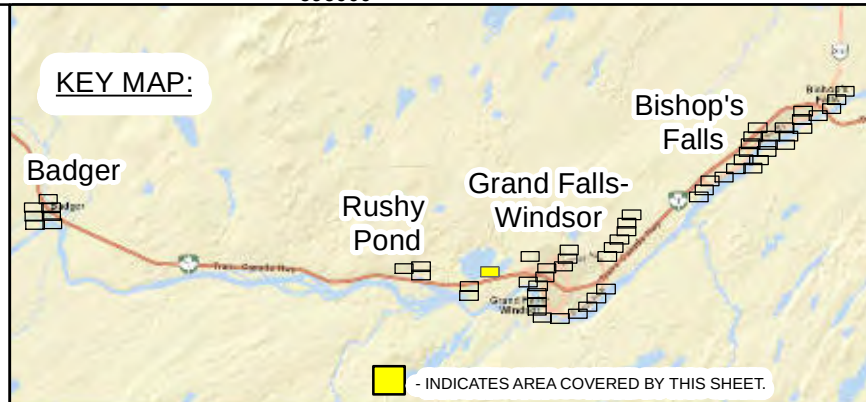
NOTES:

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

Cross Sections

KEY MAP:





WATER RESOURCES MANAGEMENT DIVISION

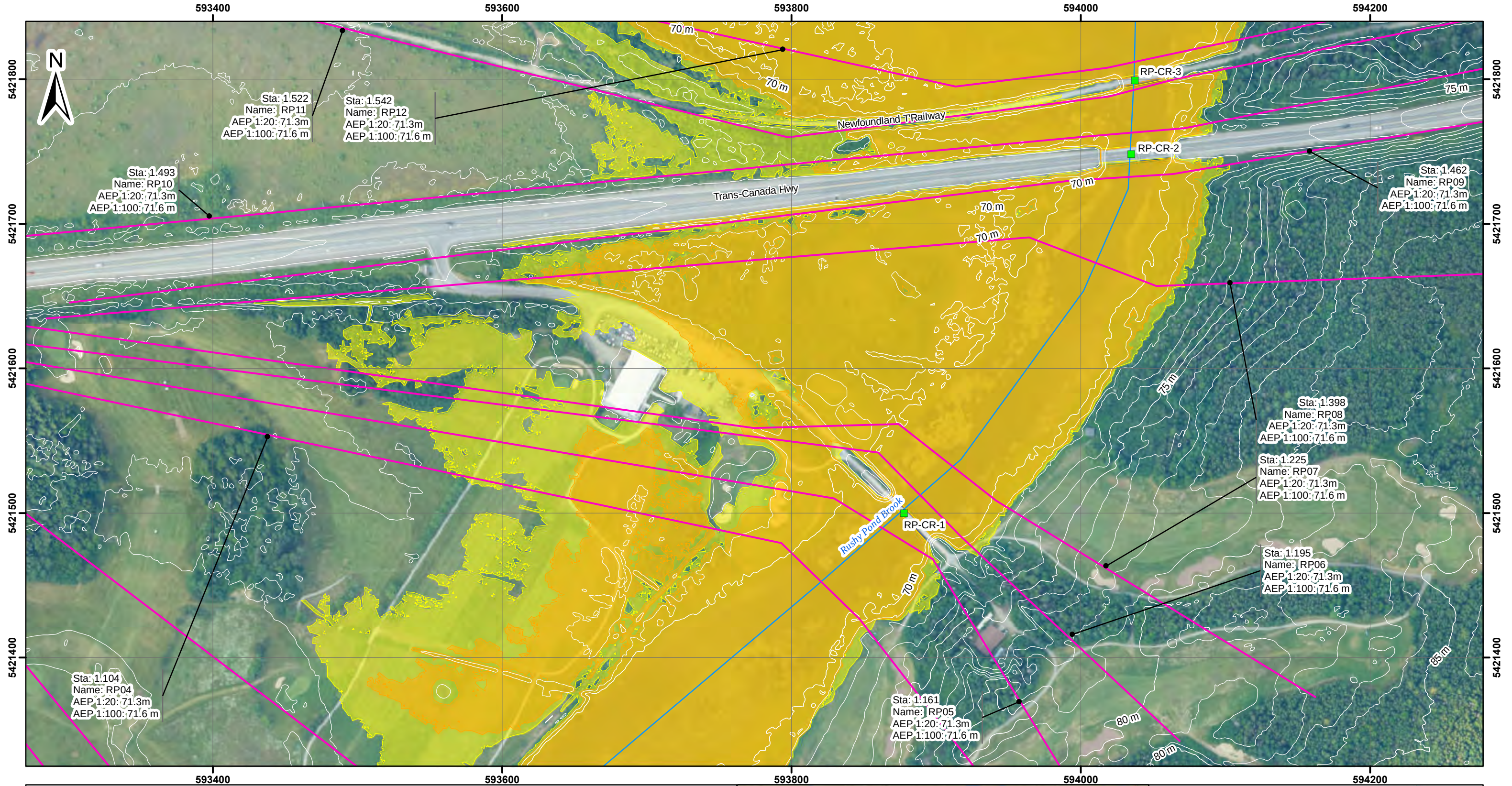
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566

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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- 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.

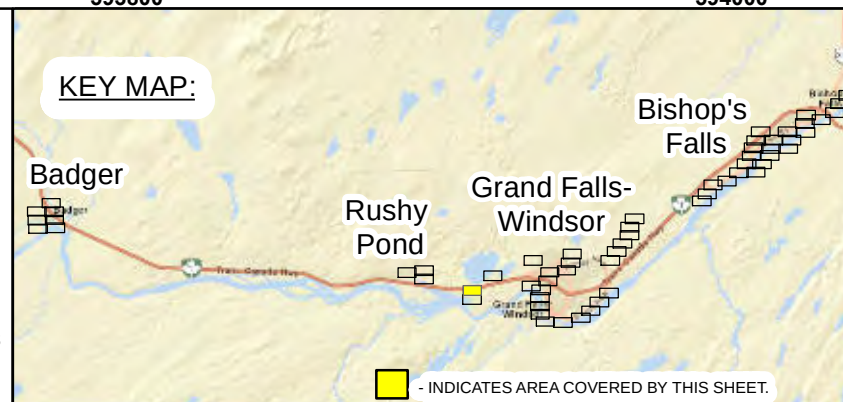
NOTES:

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

Cross Sections

KEY MAP:



HATCH



WATER RESOURCES MANAGEMENT DIVISION

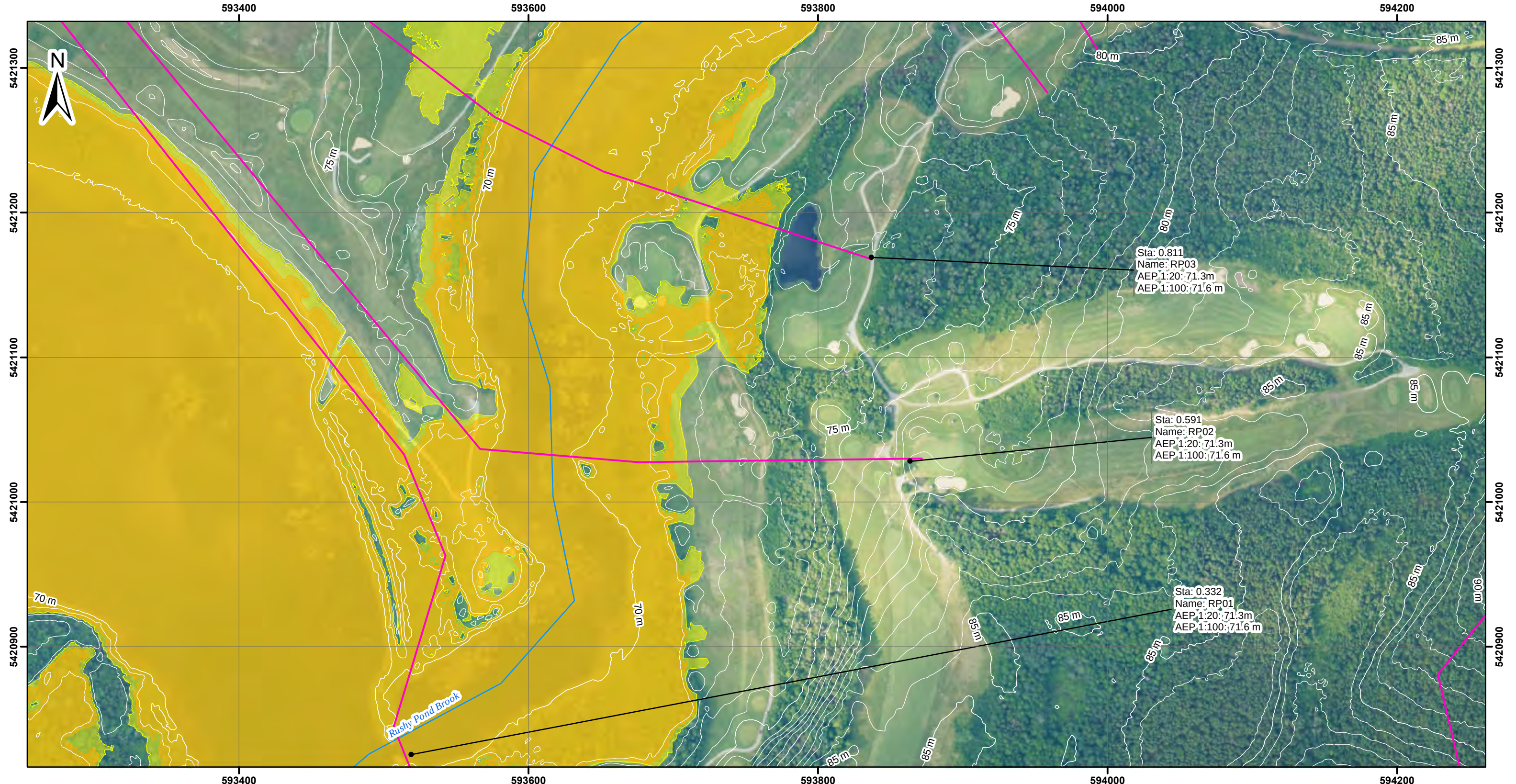
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566

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Legend

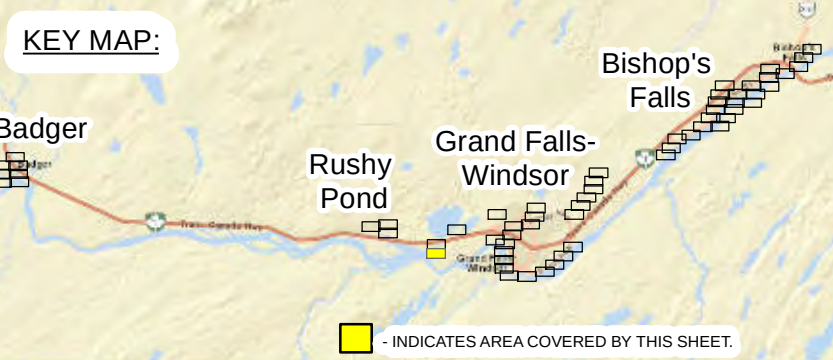
- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station
- Overland Flooding

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



HATCH Newfoundland Labrador

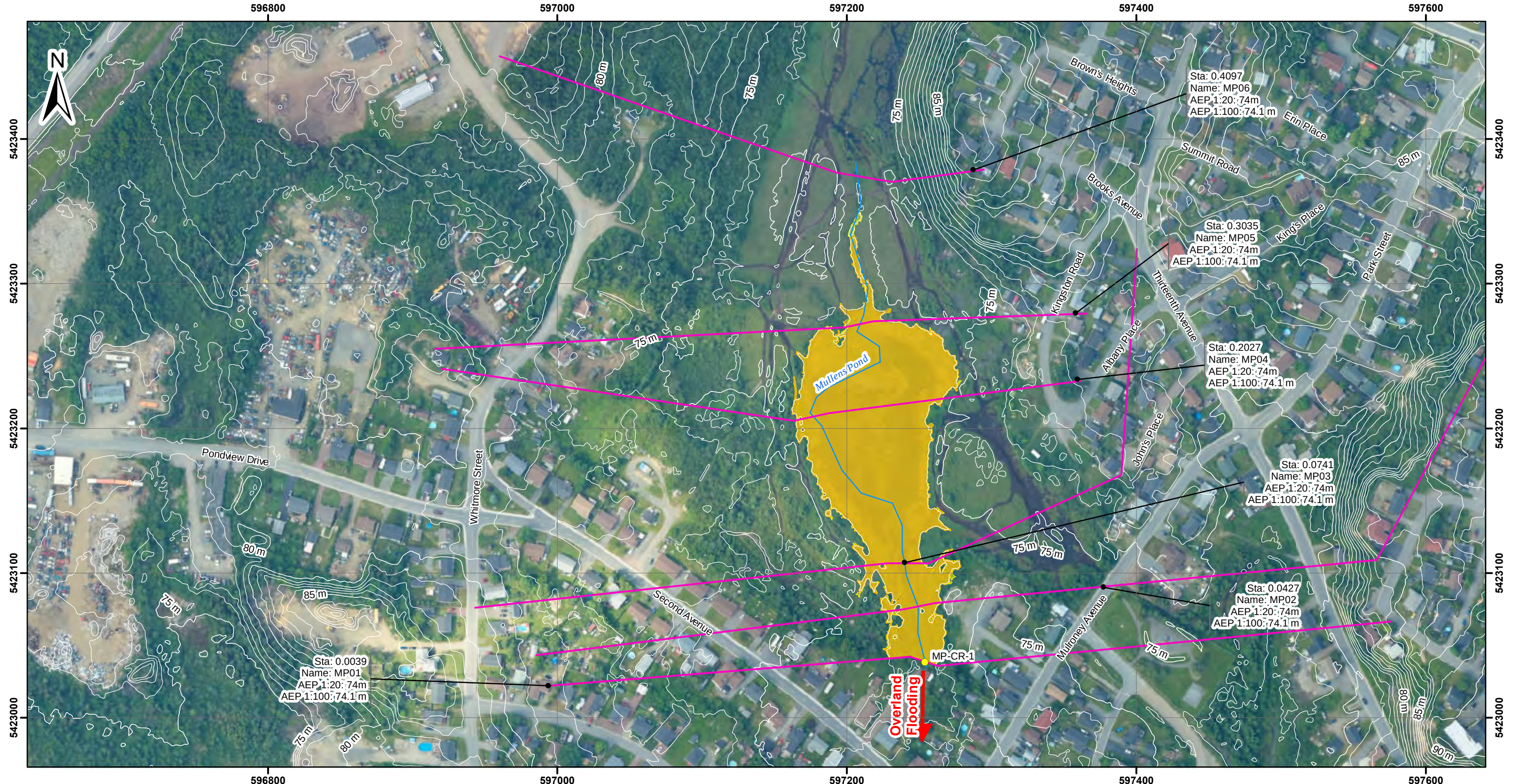
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

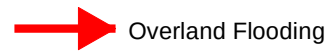
DATE: 05/17/2021
PROJECT #: H-358566

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Legend

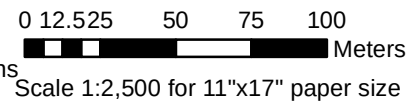
-  1:20 AEP Flood Zone Current Conditions
-  1:100 AEP Flood Zone Current Conditions
-  Watercourse Centerline
-  1 m Contours
-  Bridge
-  Culvert
-  Hydrometric Station



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.

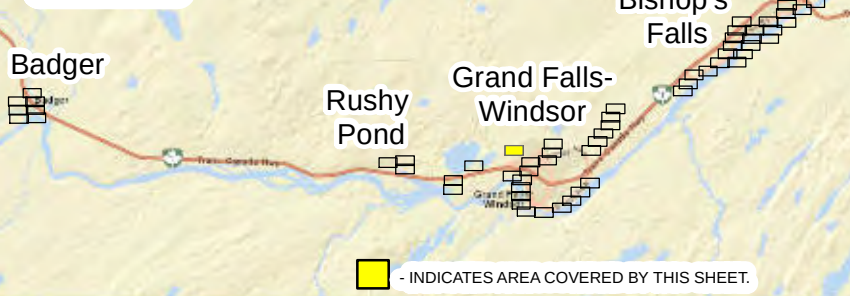
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 Cross Sections

KEY MAP:



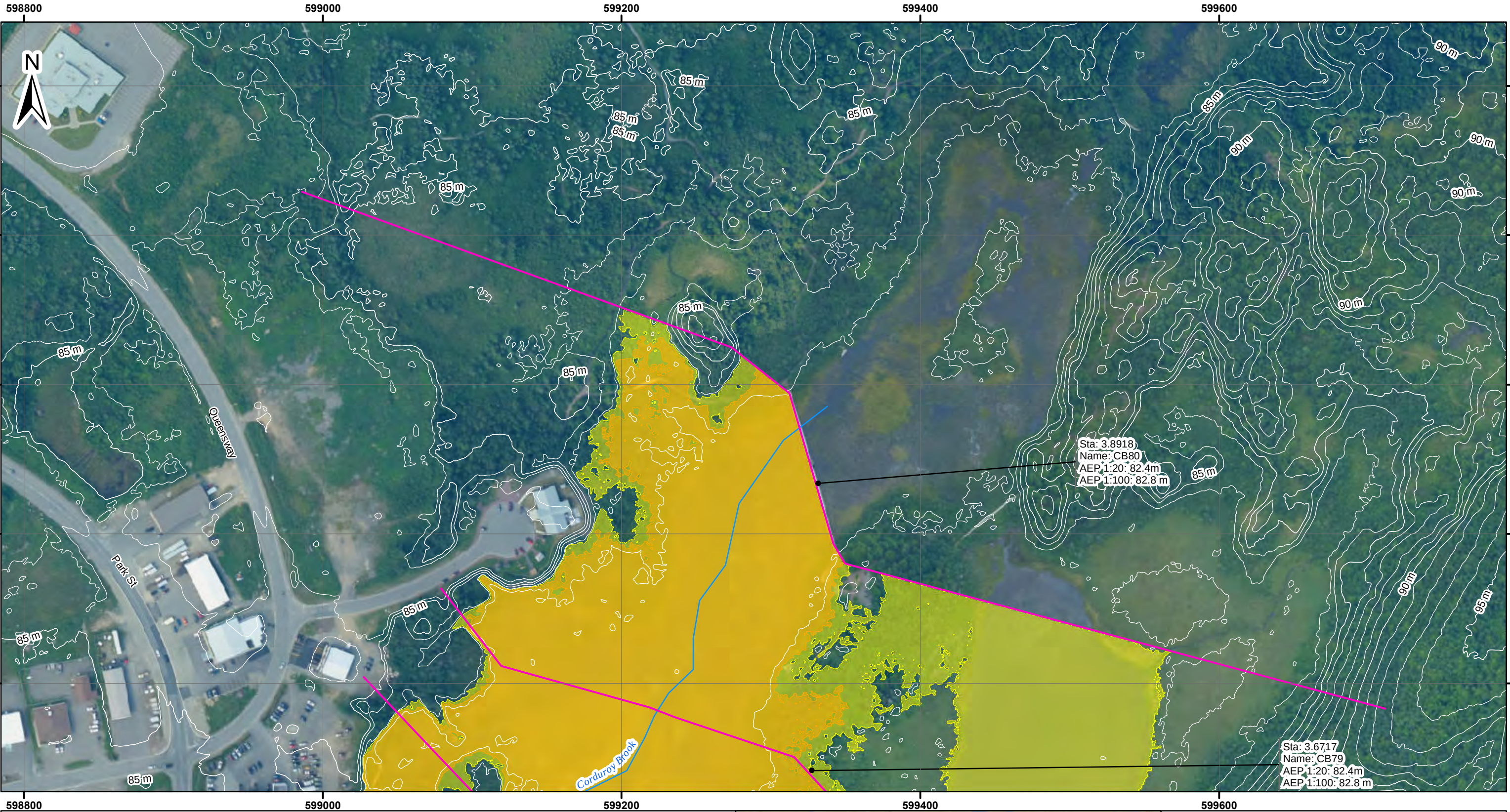
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566



Legend

1:20 AEP Flood Zone Current Conditions

1:100 AEP Flood Zone Current Conditions

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

HATCH

Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1

FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE

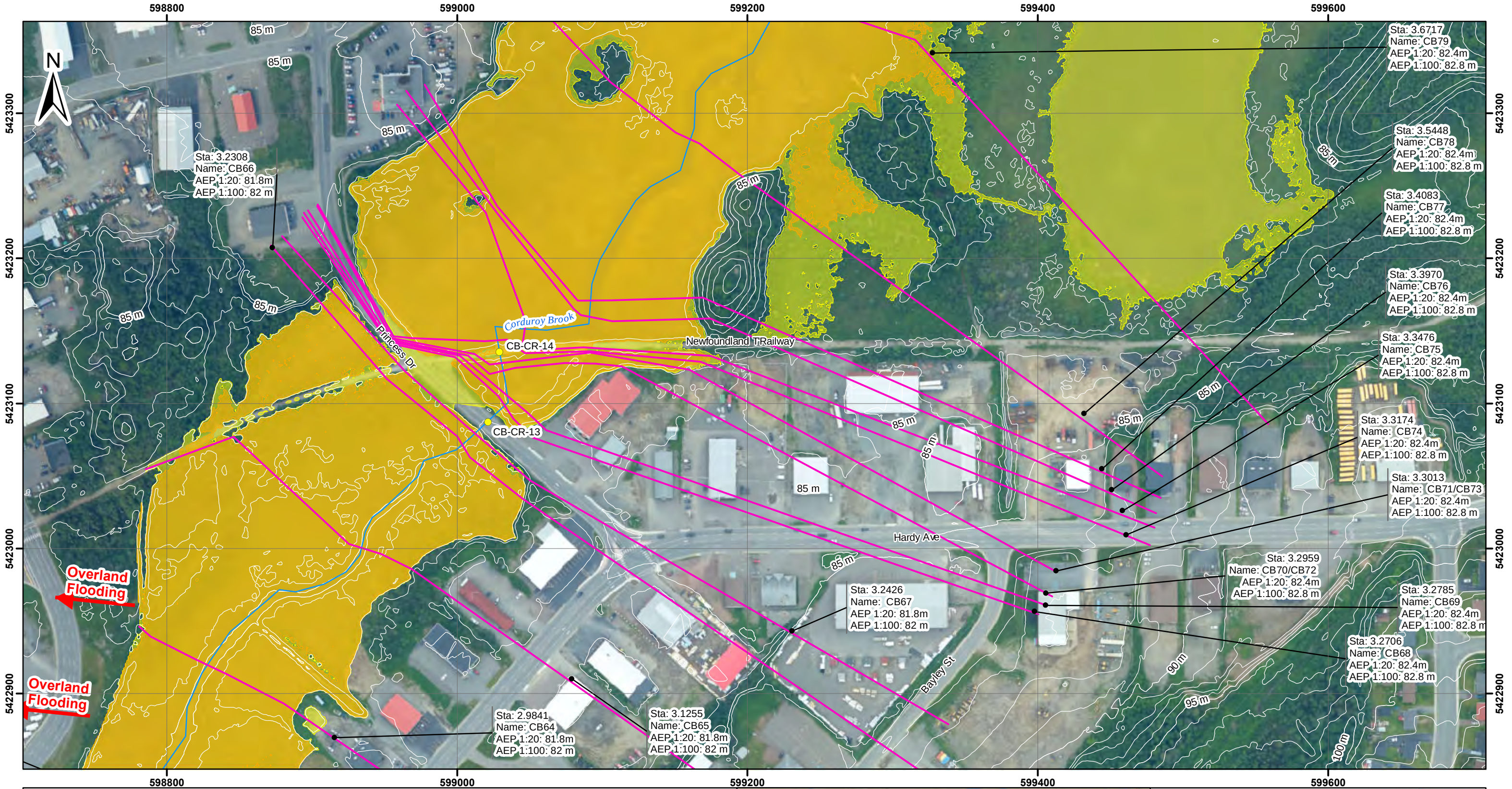
CURRENT CLIMATE

DETAIL MAP

DATE: 05/17/2021

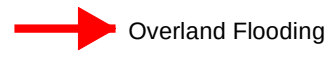
PROJECT #: H-358566

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Legend

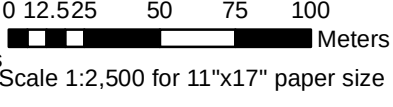
- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station



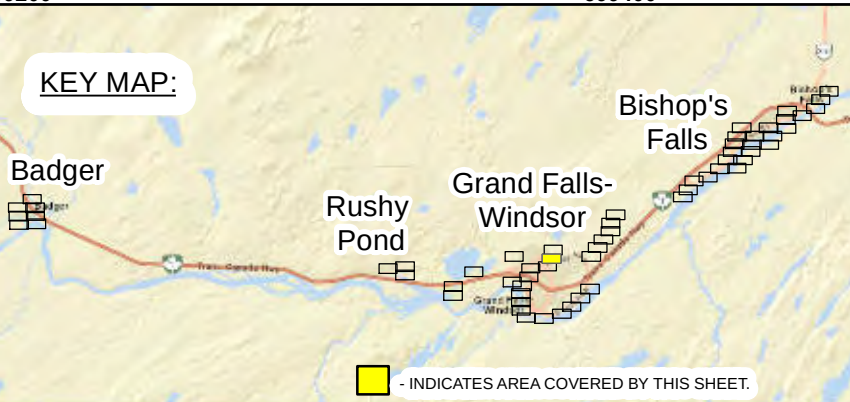
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Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

NOTES:

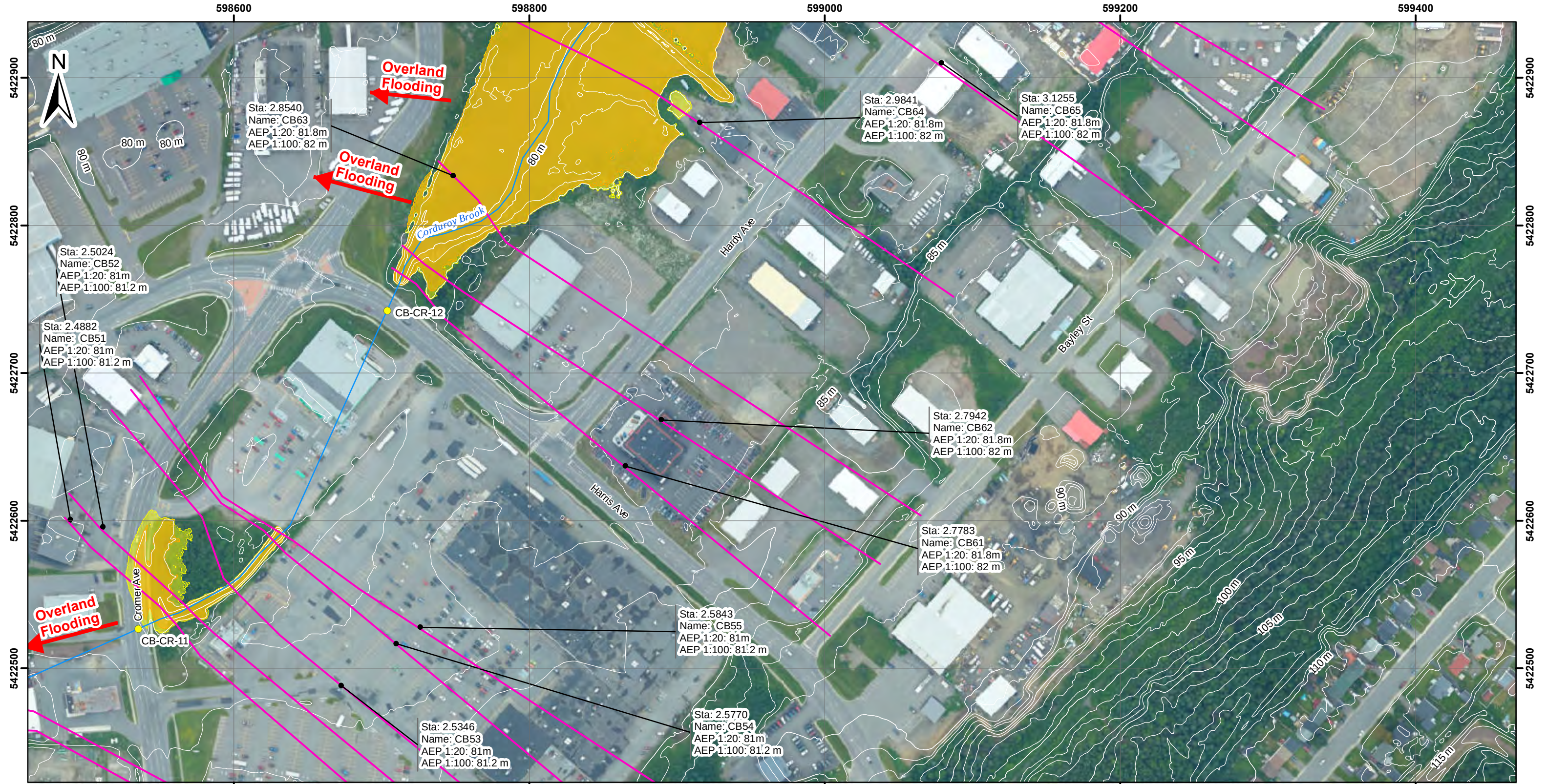
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KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #1	
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE	
CURRENT CLIMATE	
DETAIL MAP	
DATE: 05/17/2021	Page 16 of 61
PROJECT #: H-358566	



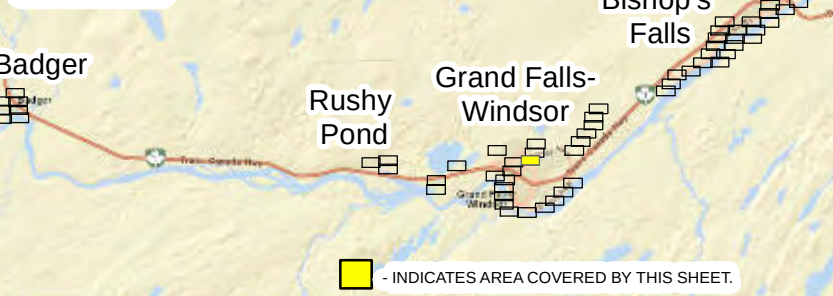
Legend

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

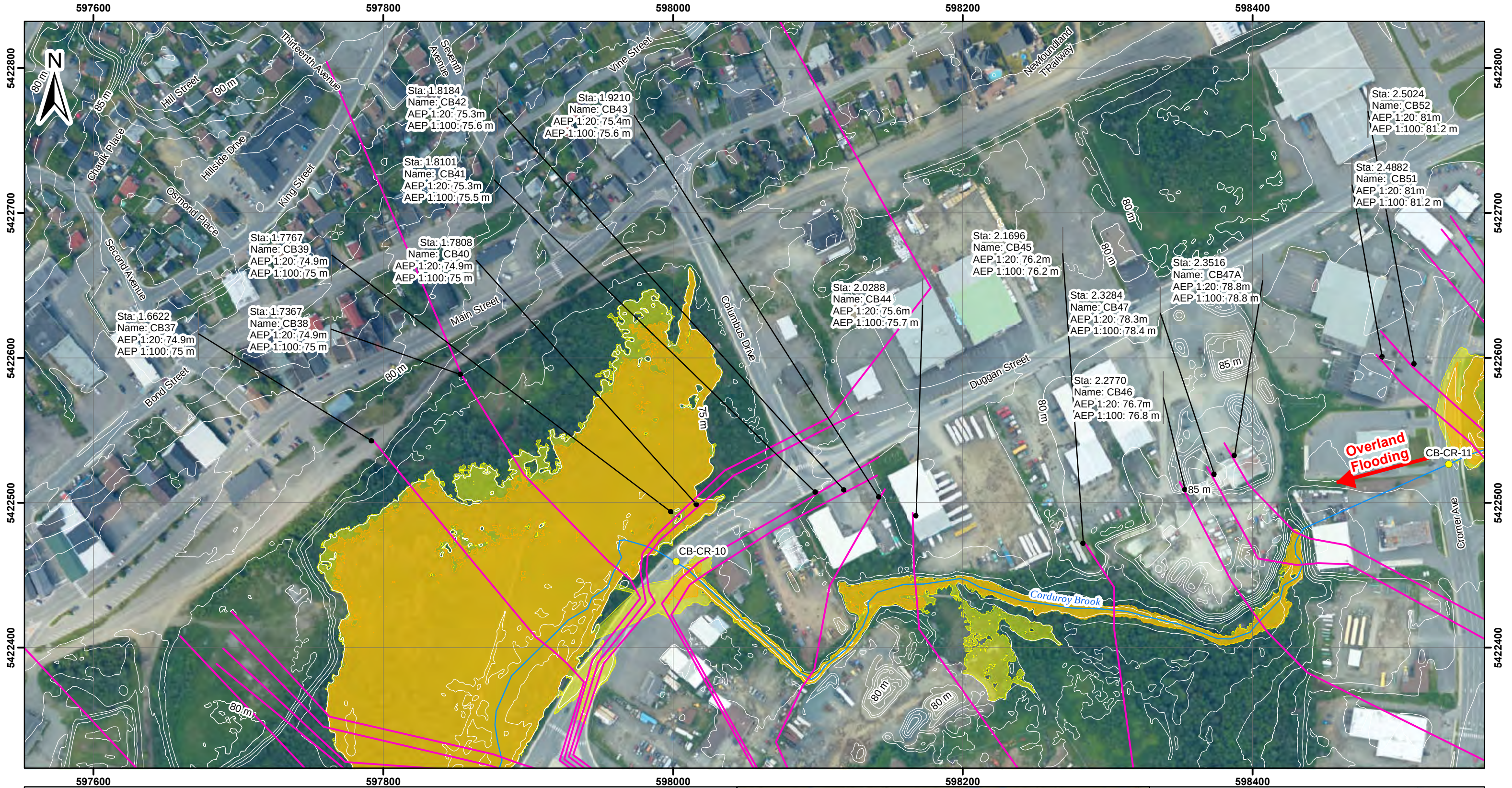
NOTES:

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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 #1	
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE	
CURRENT CLIMATE	
DETAIL MAP	
DATE: 05/17/2021	Page 17 of 61
PROJECT #: H-358566	



Legend

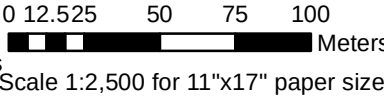
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- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

NOTES:

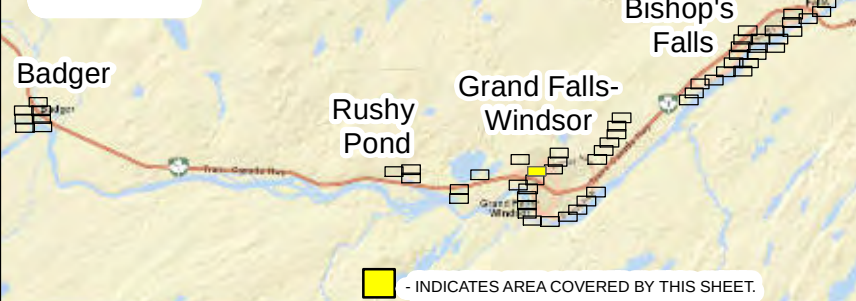
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Overland Flooding

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.



KEY MAP:



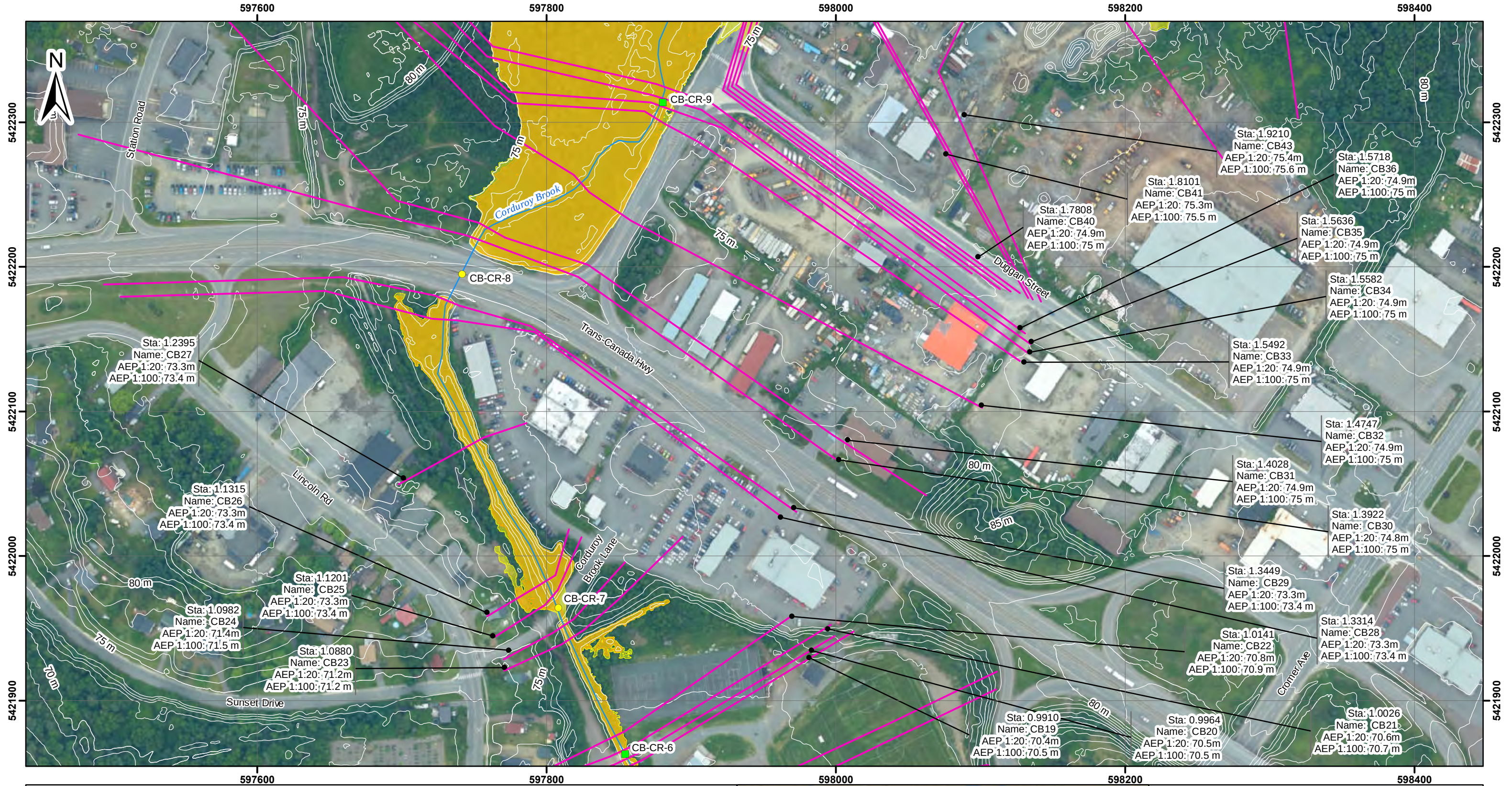
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566



Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- 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.

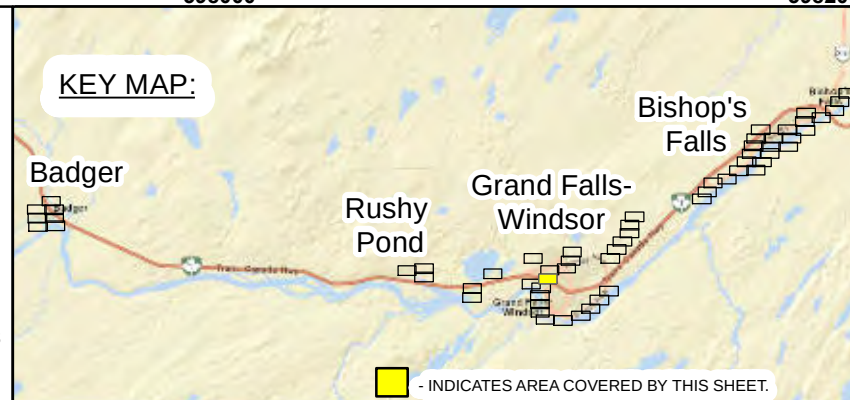
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0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

Cross Sections

KEY MAP:



HATCH

Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION

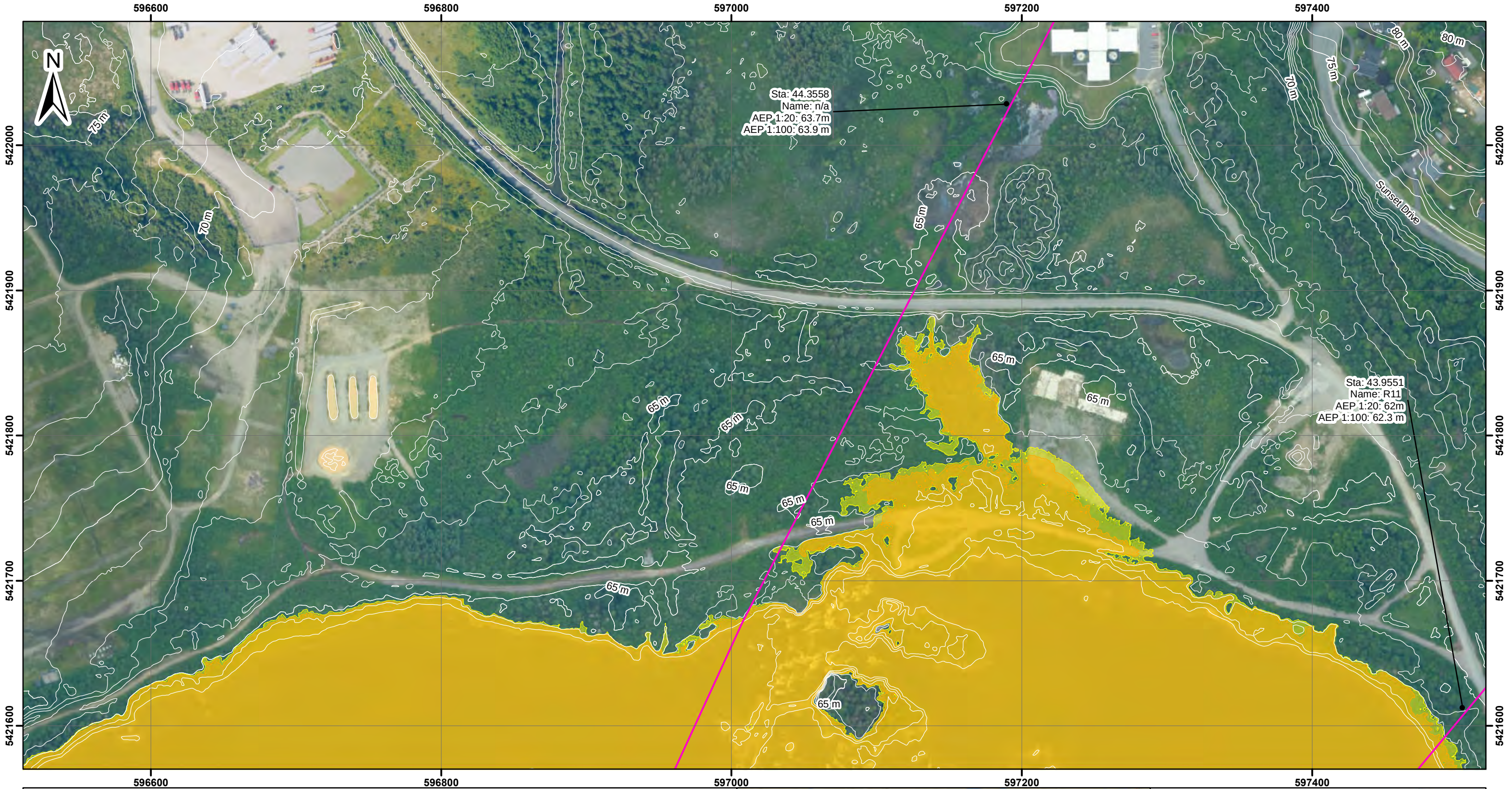
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566

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Legend

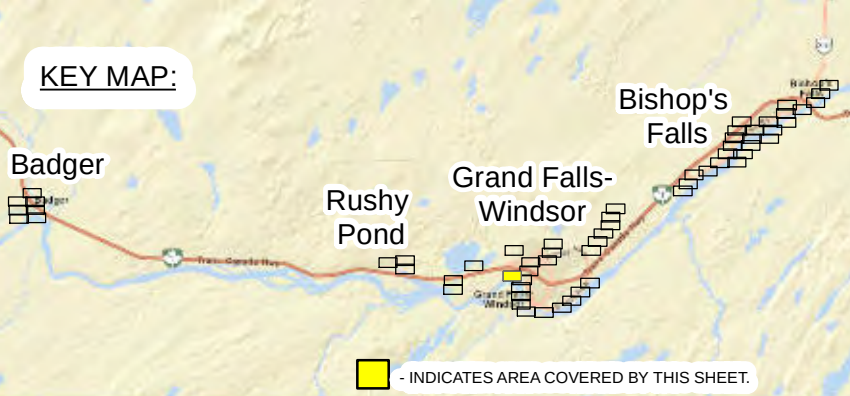
- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station
- Overland Flooding

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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

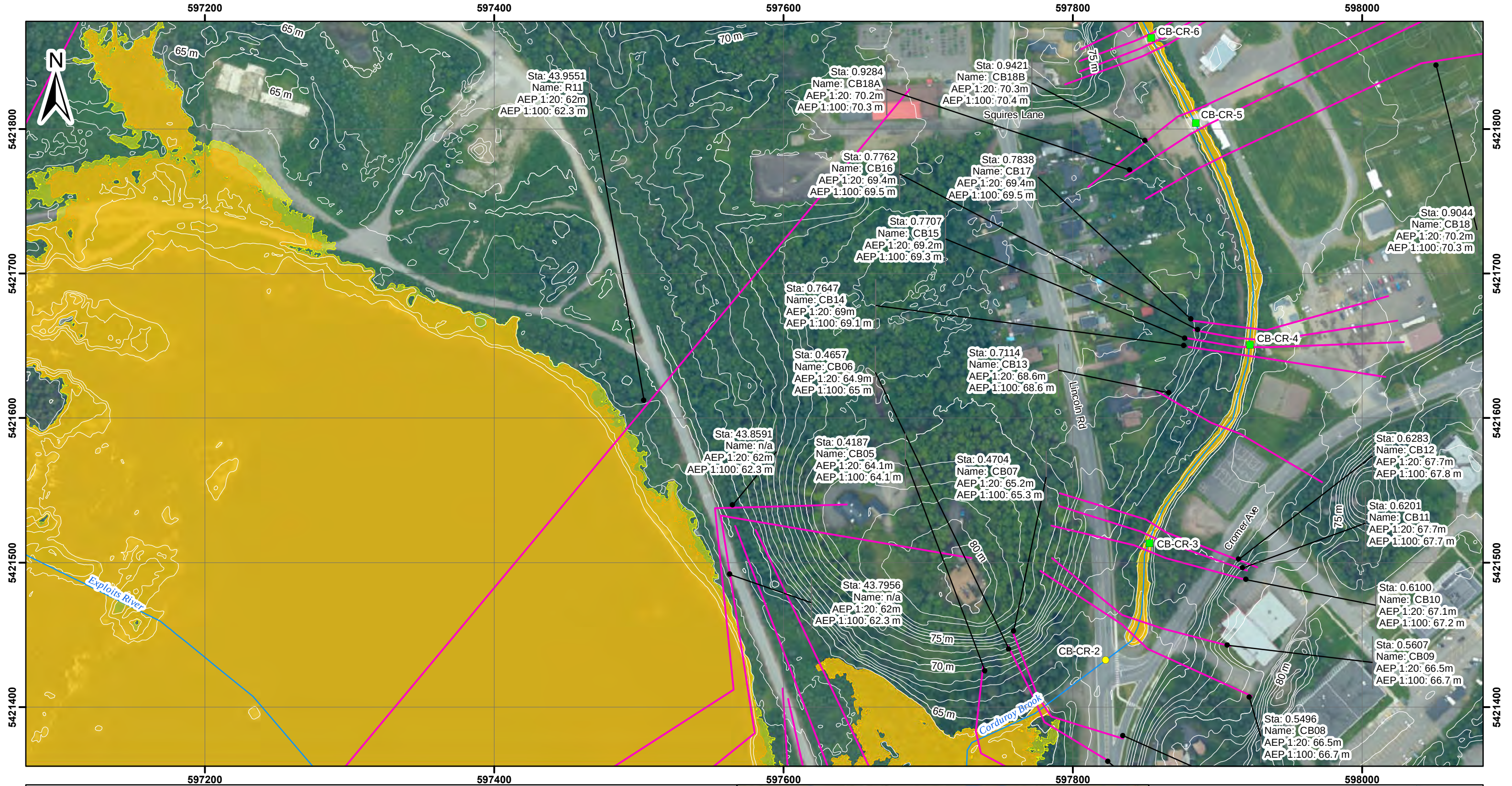


WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021	Page 20 of 61
PROJECT #: H-358566	



Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station



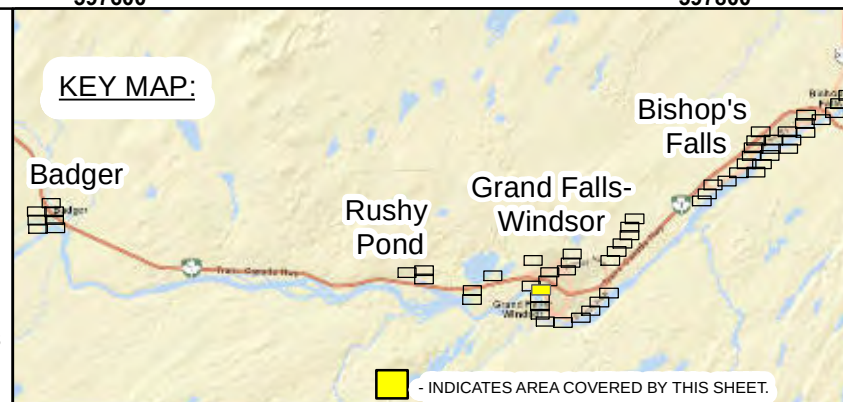
Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

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

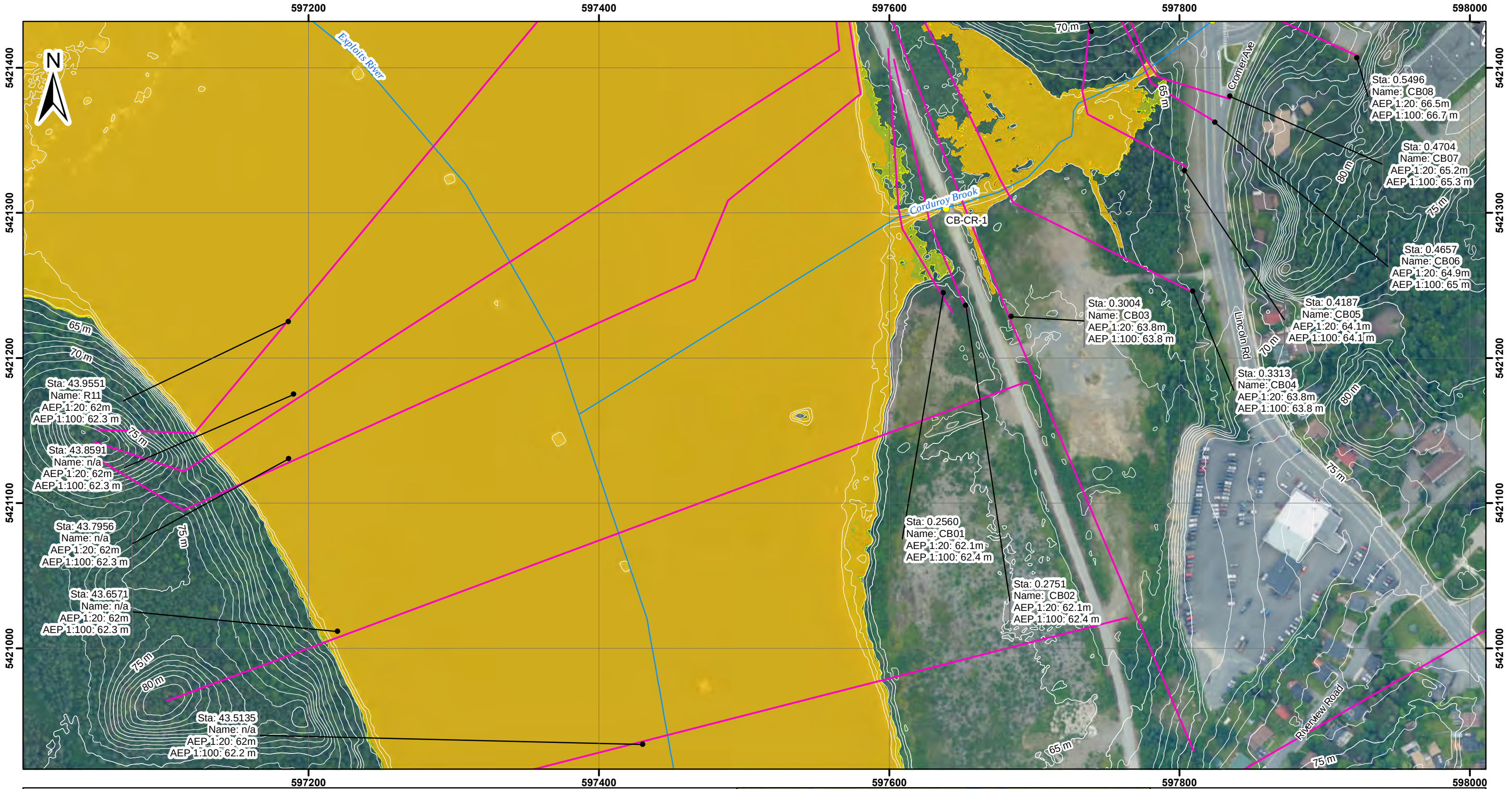
KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY
 MAP SET #1
 FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
 CURRENT CLIMATE
 DETAIL MAP

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

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Legend

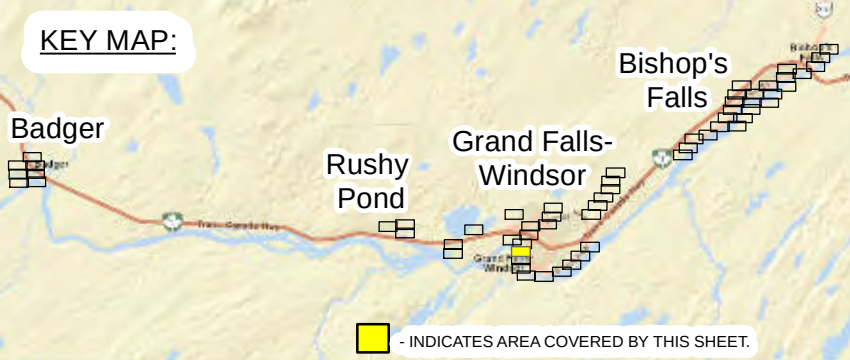
- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

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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

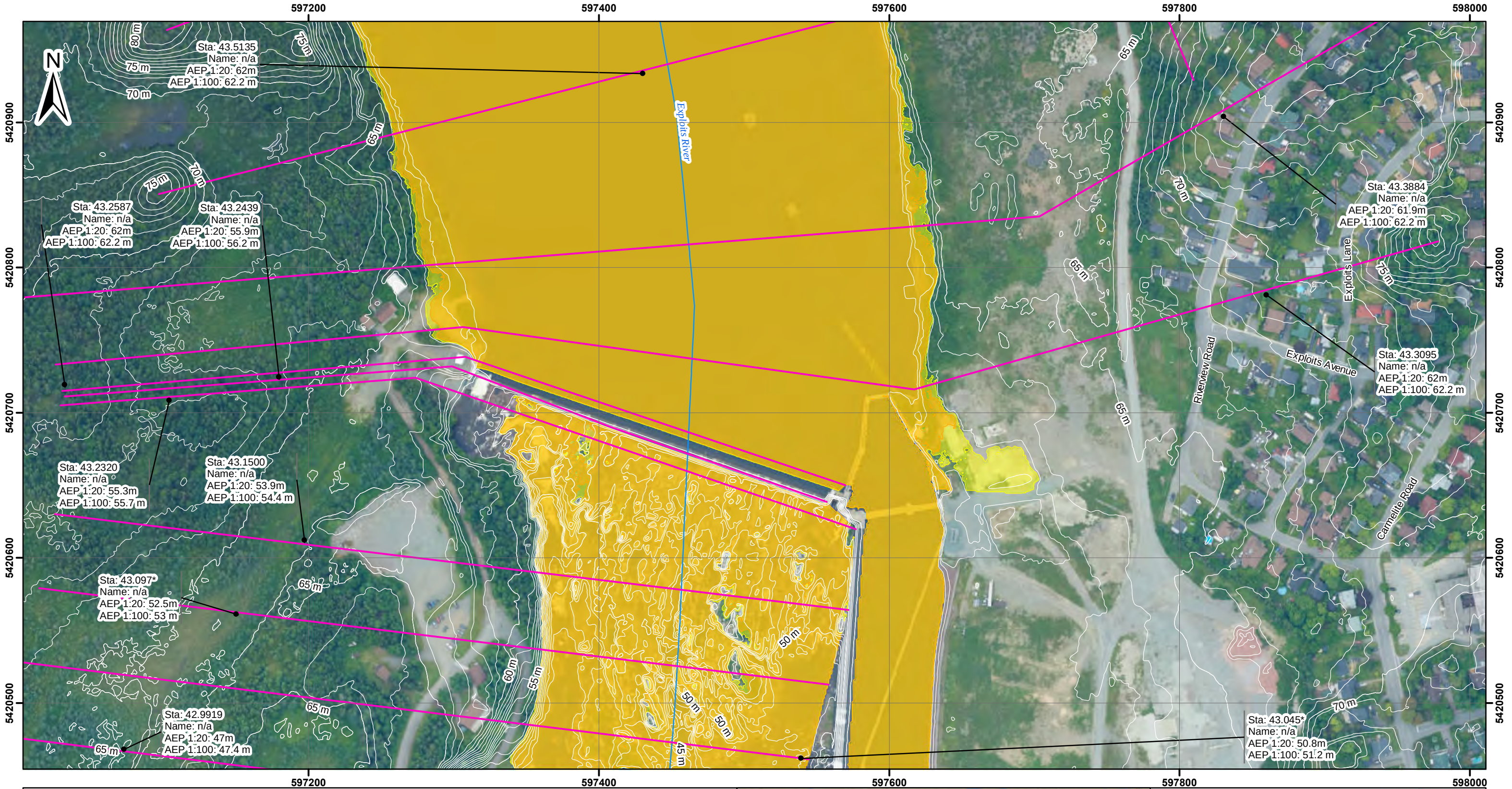


WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

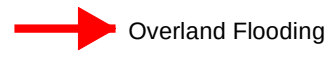
MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021	Page 22 of 61
PROJECT #: H-358566	



Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- 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.

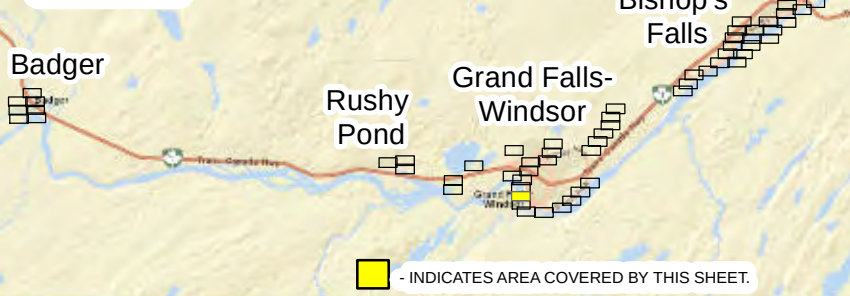
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0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

Cross Sections

KEY MAP:



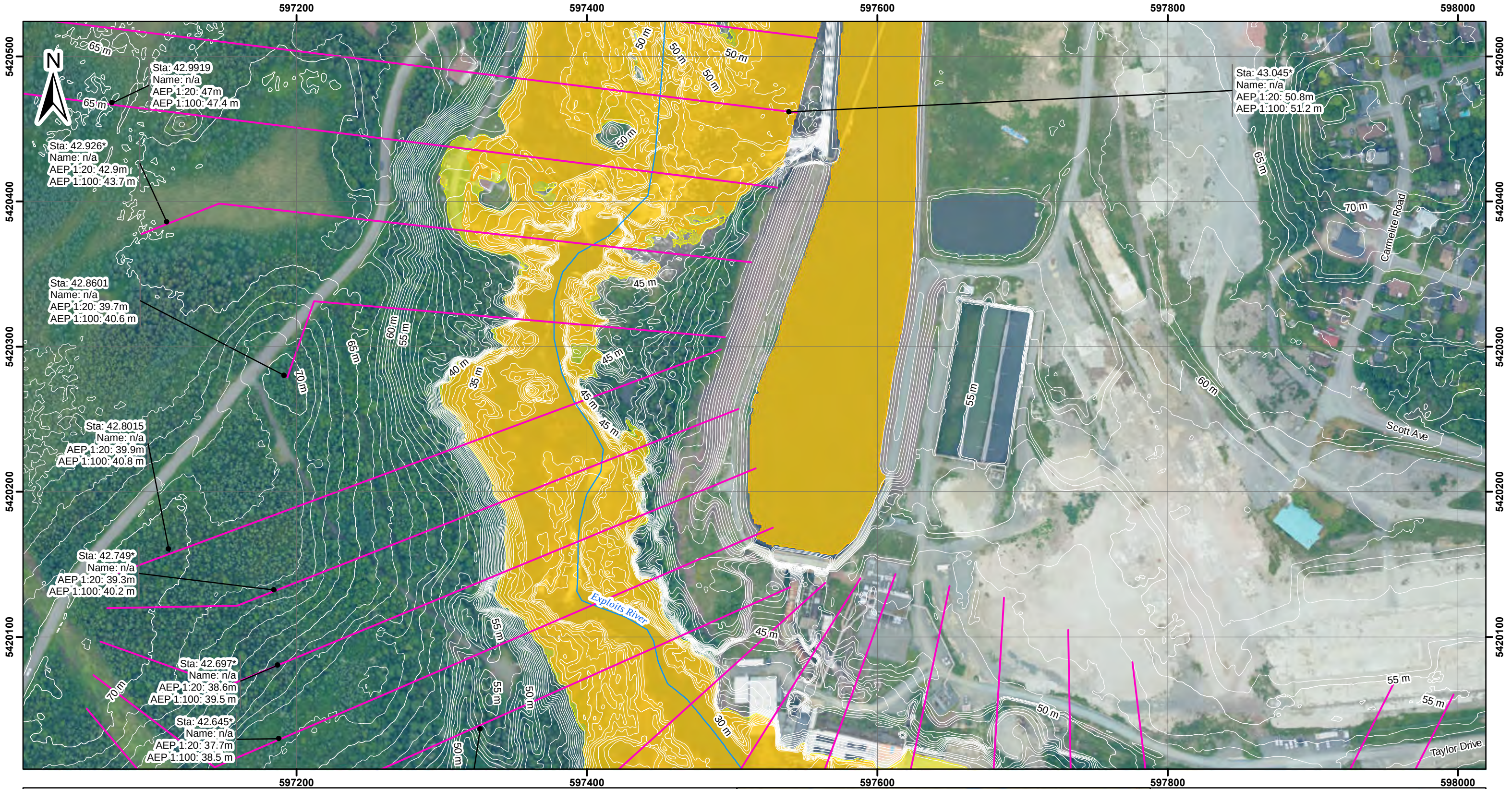
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

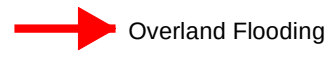
DATE: 05/17/2021
PROJECT #: H-358566

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Legend

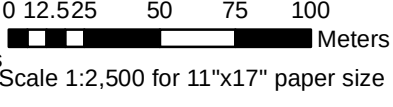
- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station



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.

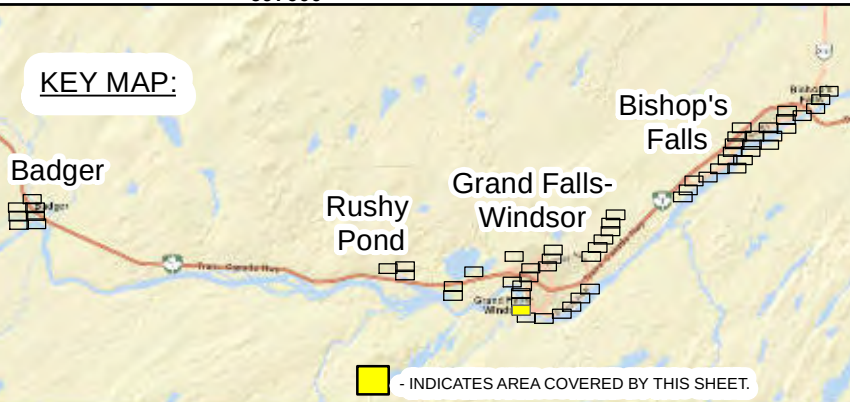
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Cross Sections

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION

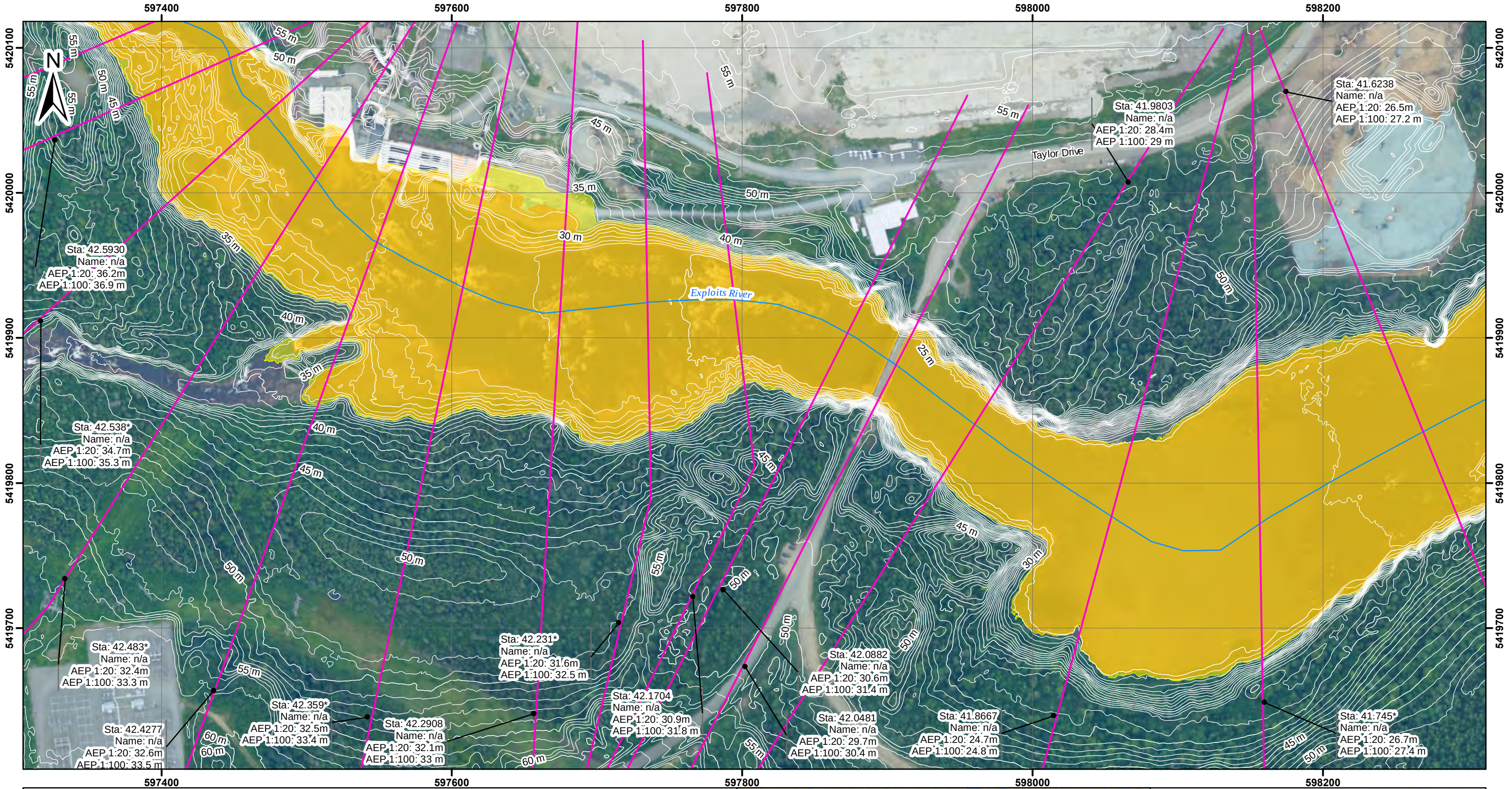
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

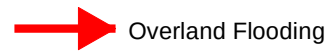
PROJECT #: H-358566

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Legend

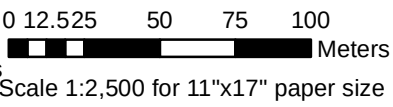
- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
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Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water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

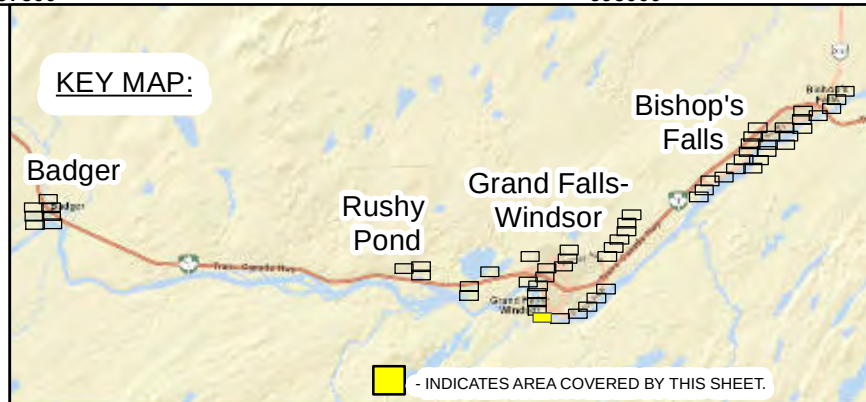
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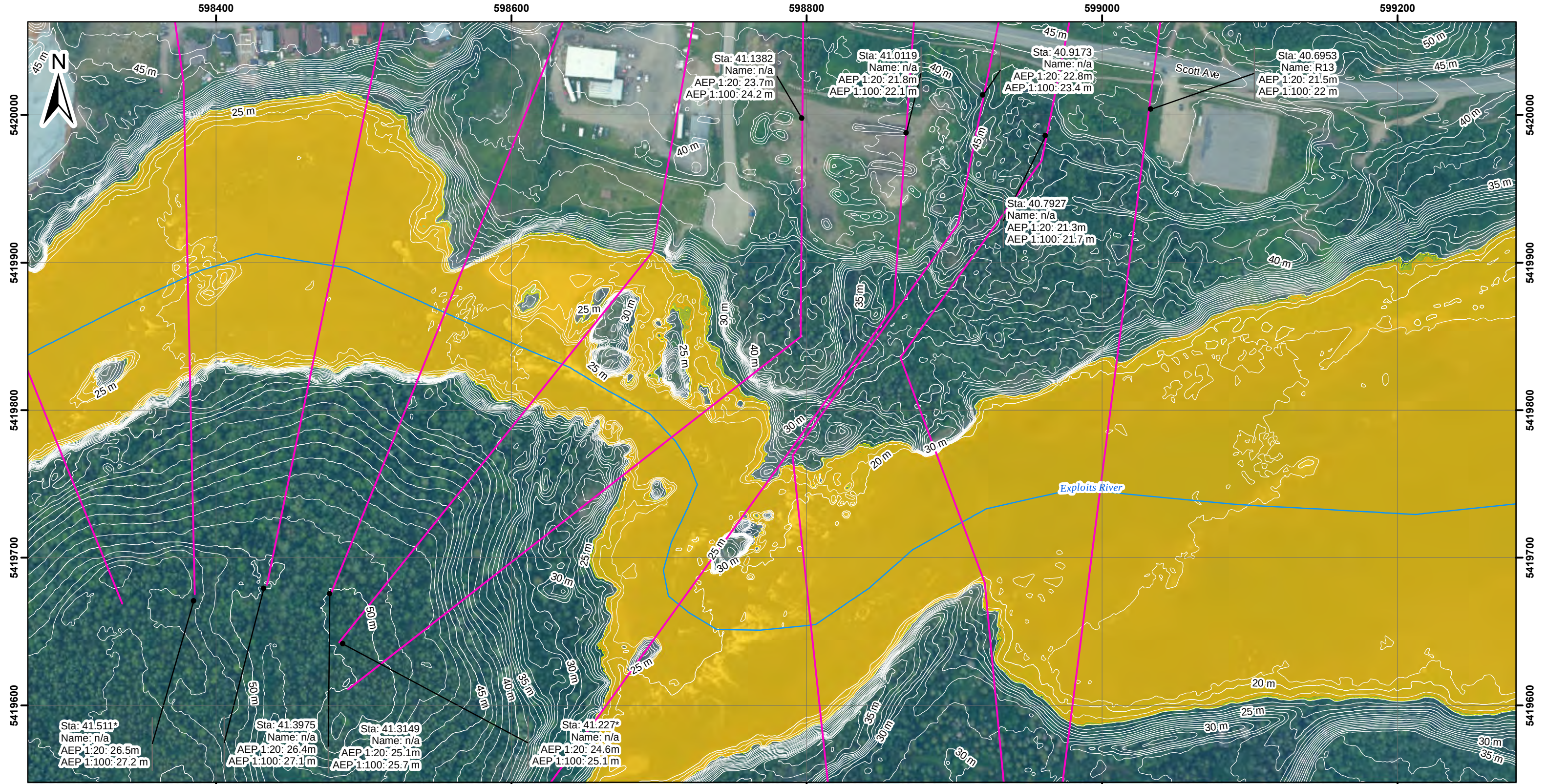


Cross Sections

KEY MAP:

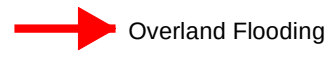


WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #1	
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE	
CURRENT CLIMATE	
DETAIL MAP	
DATE: 05/17/2021	Page 25 of 61
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Legend

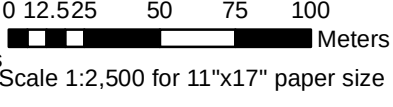
- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station



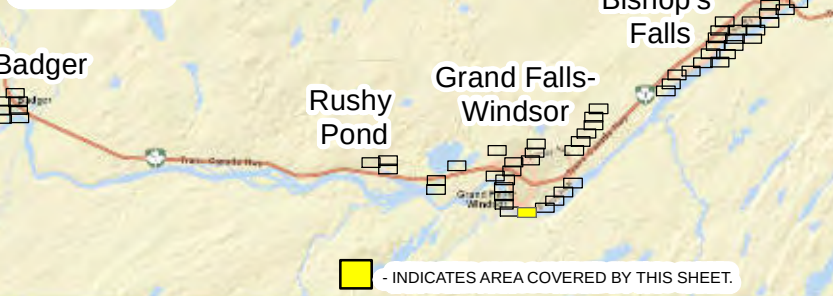
Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

NOTES:

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



KEY MAP:



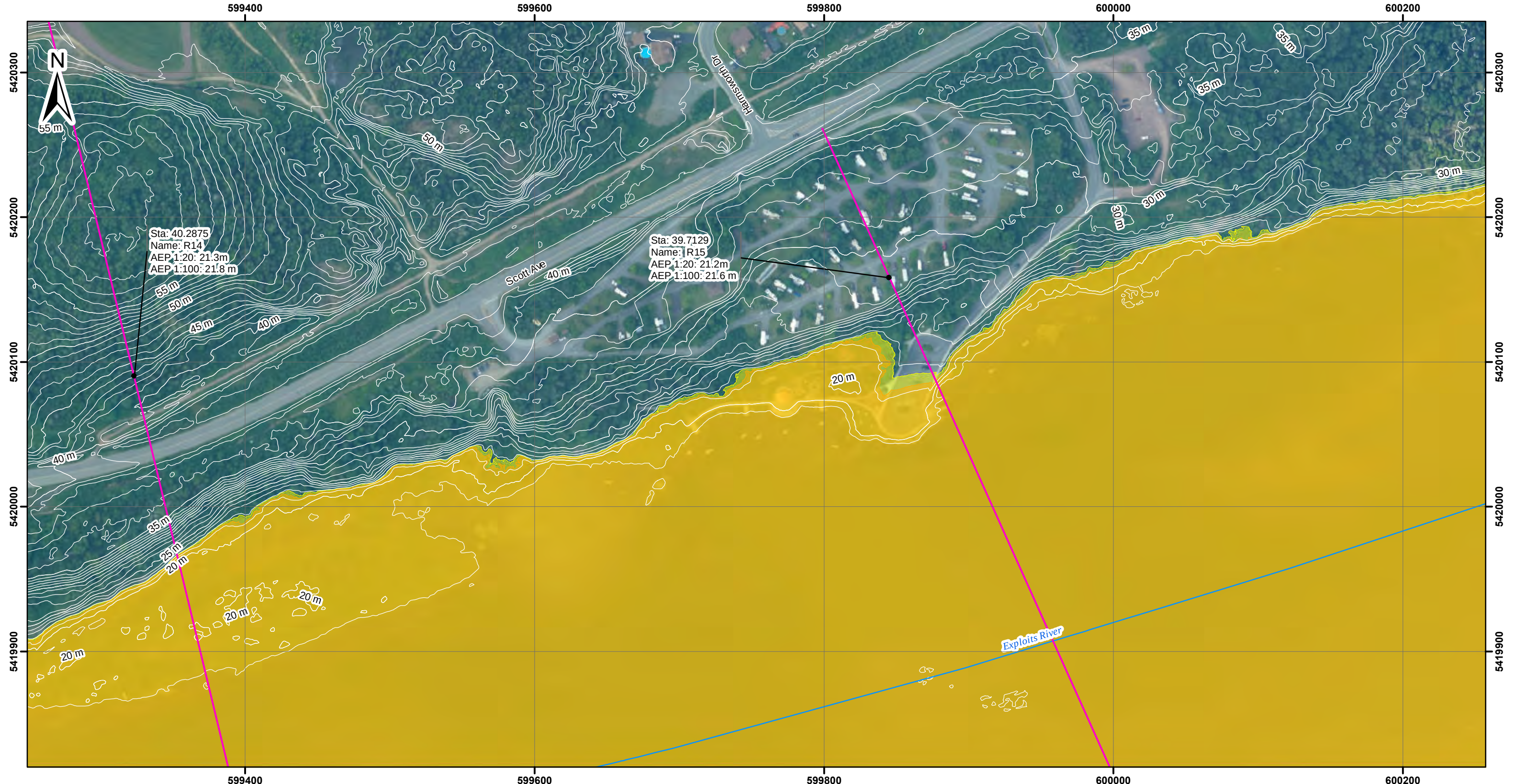
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566



Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

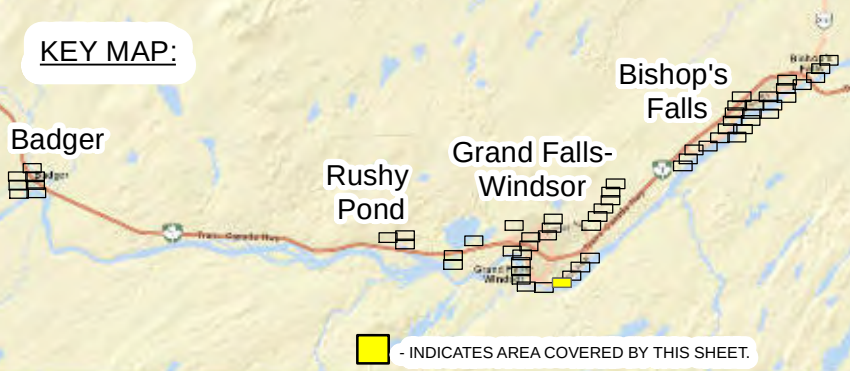
Overland Flooding

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



HATCH Newfoundland Labrador

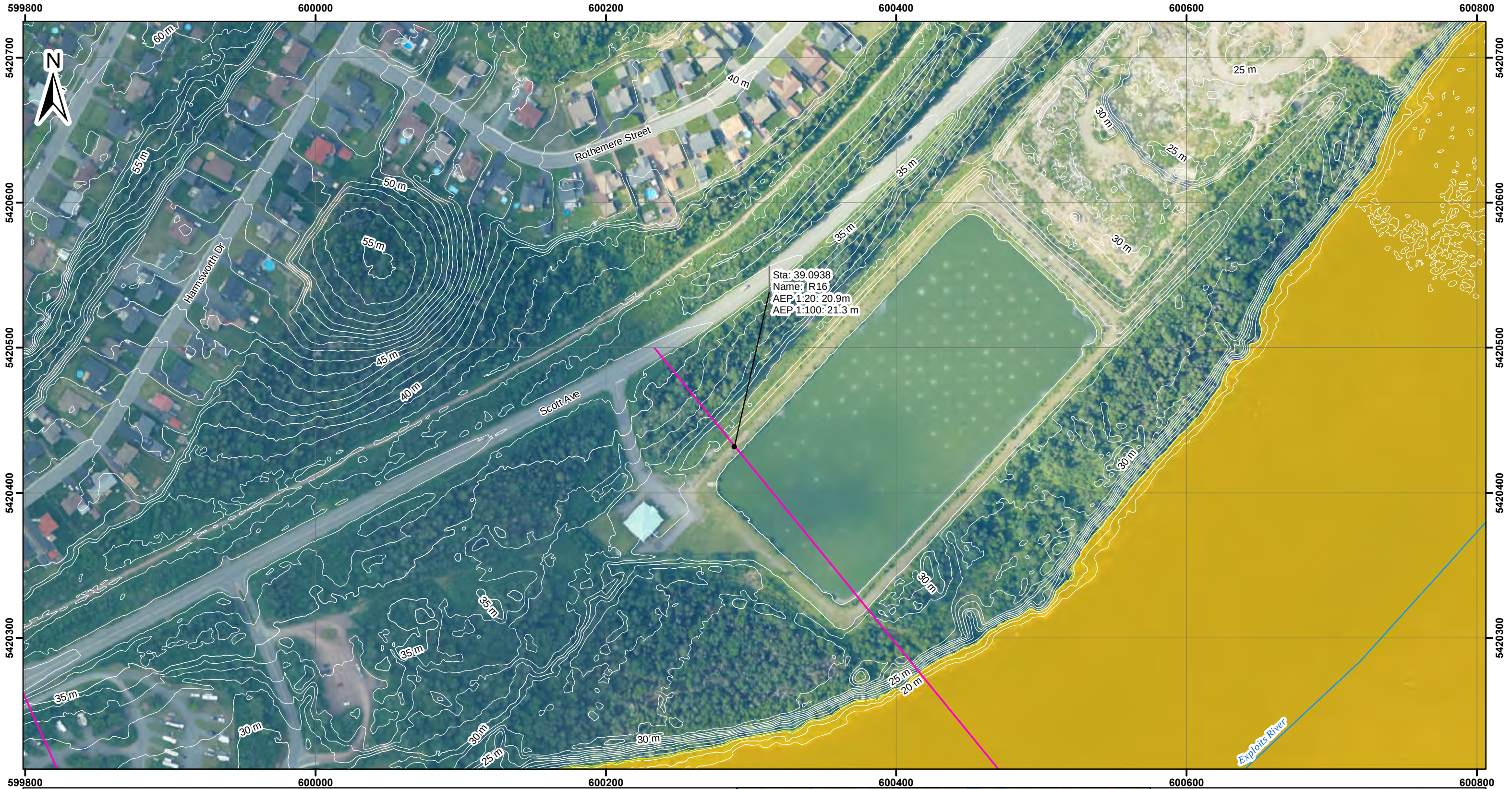
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

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Legend

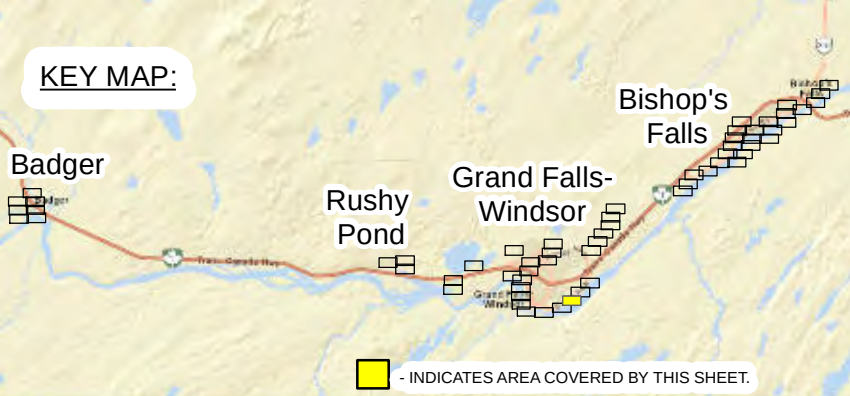
- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Overland Flooding
- Bridge
- Culvert
- Hydrometric Station

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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



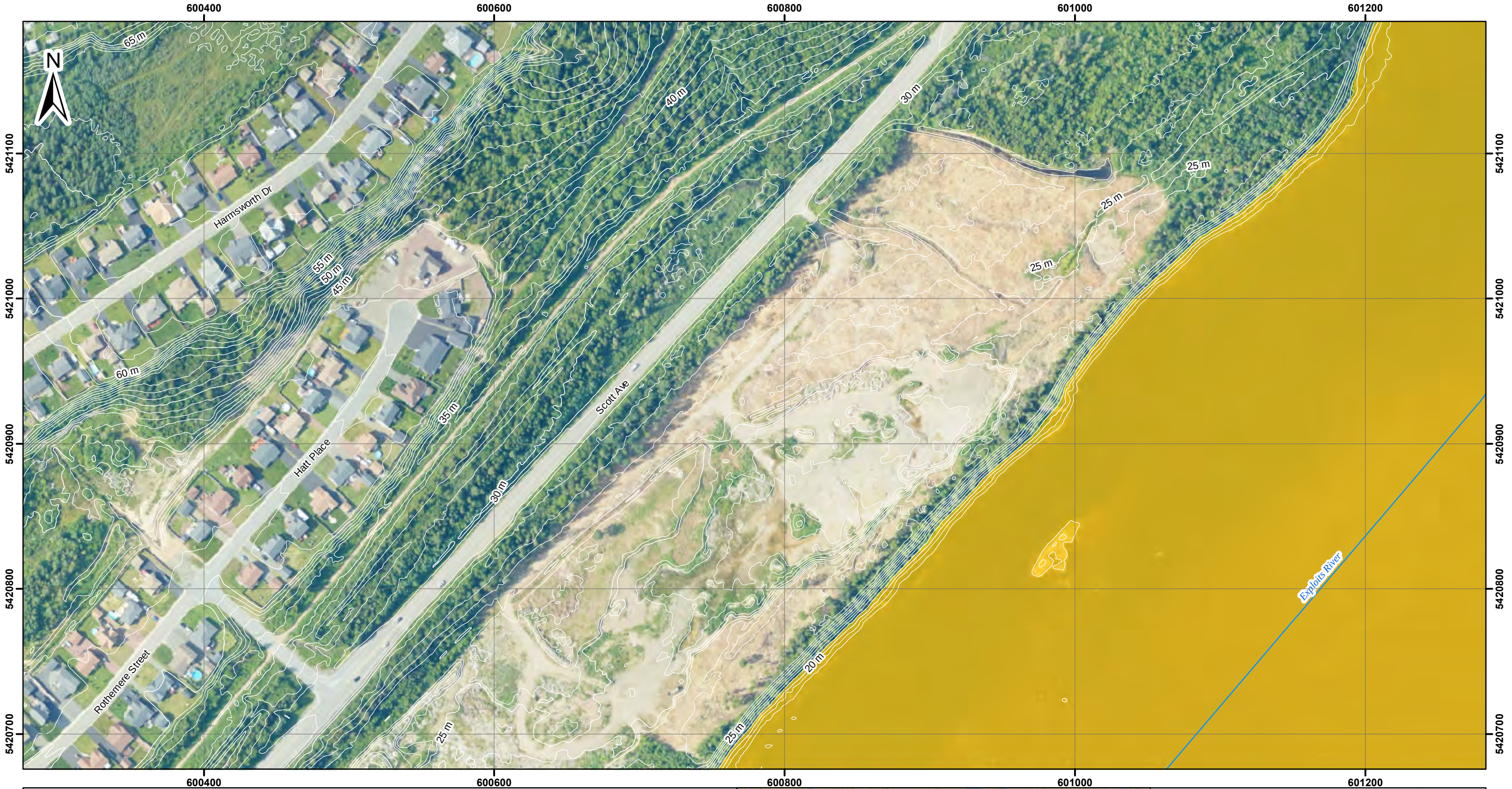


WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

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Legend

-  1:20 AEP Flood Zone Current Conditions
-  1:100 AEP Flood Zone Current Conditions
-  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.

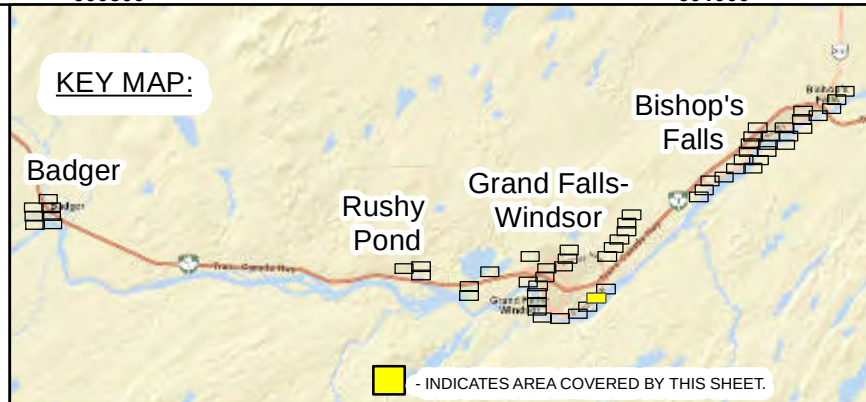
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0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

 Cross Sections

KEY MAP:



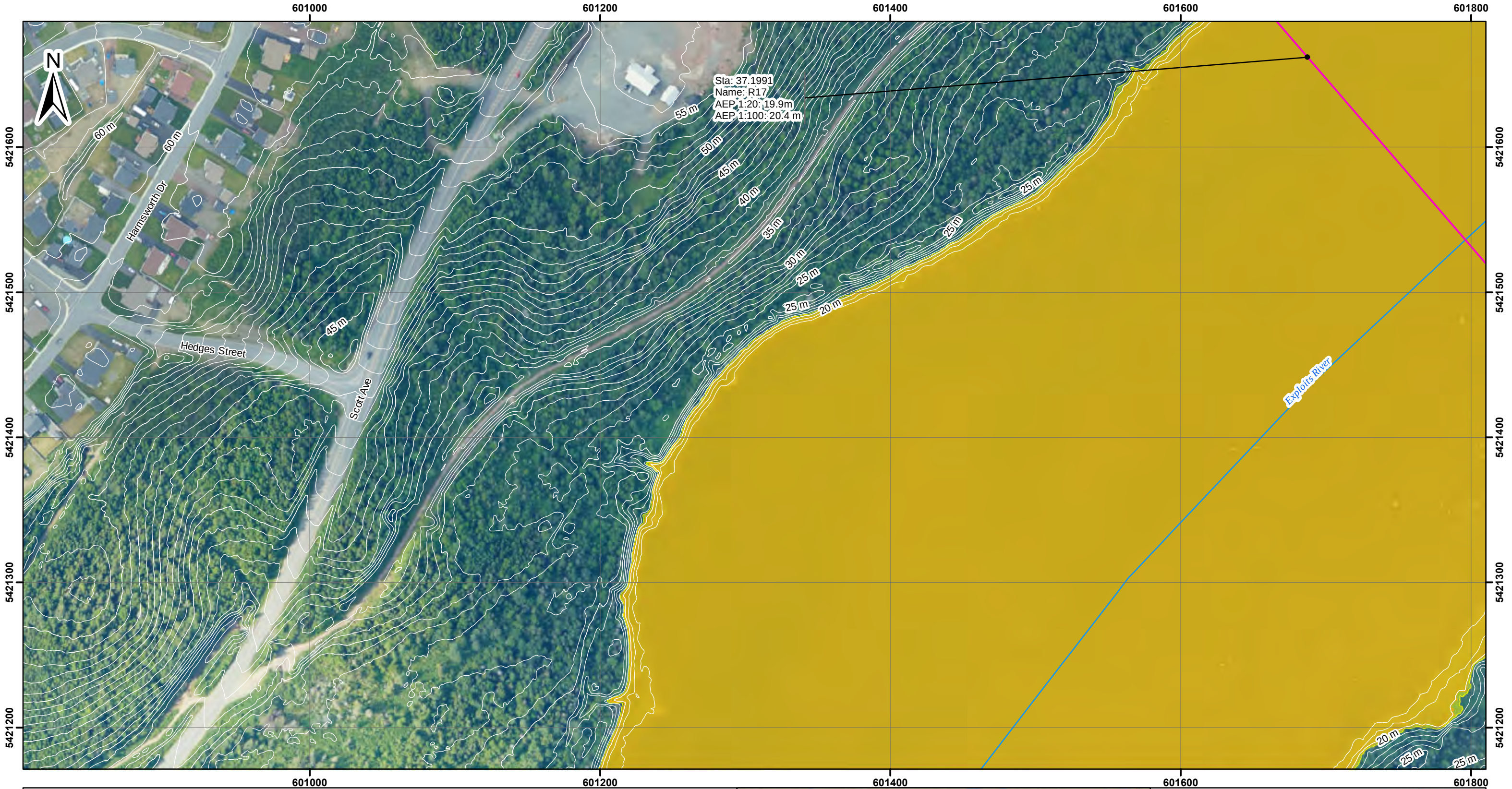


WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

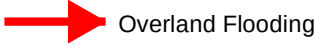
DATE: 05/17/2021
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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

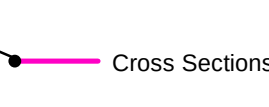


Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

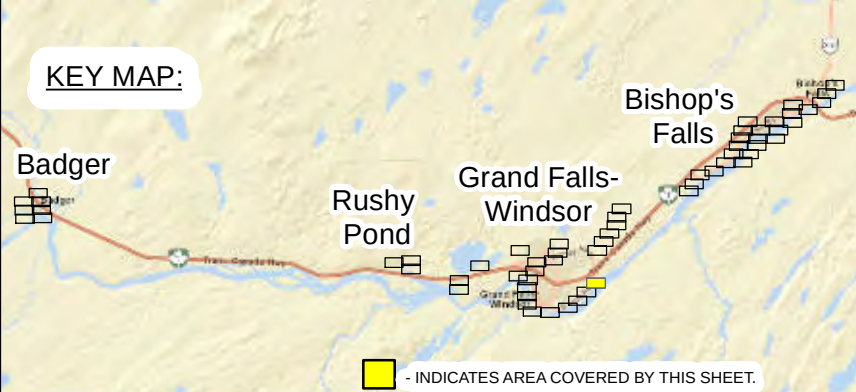
NOTES:

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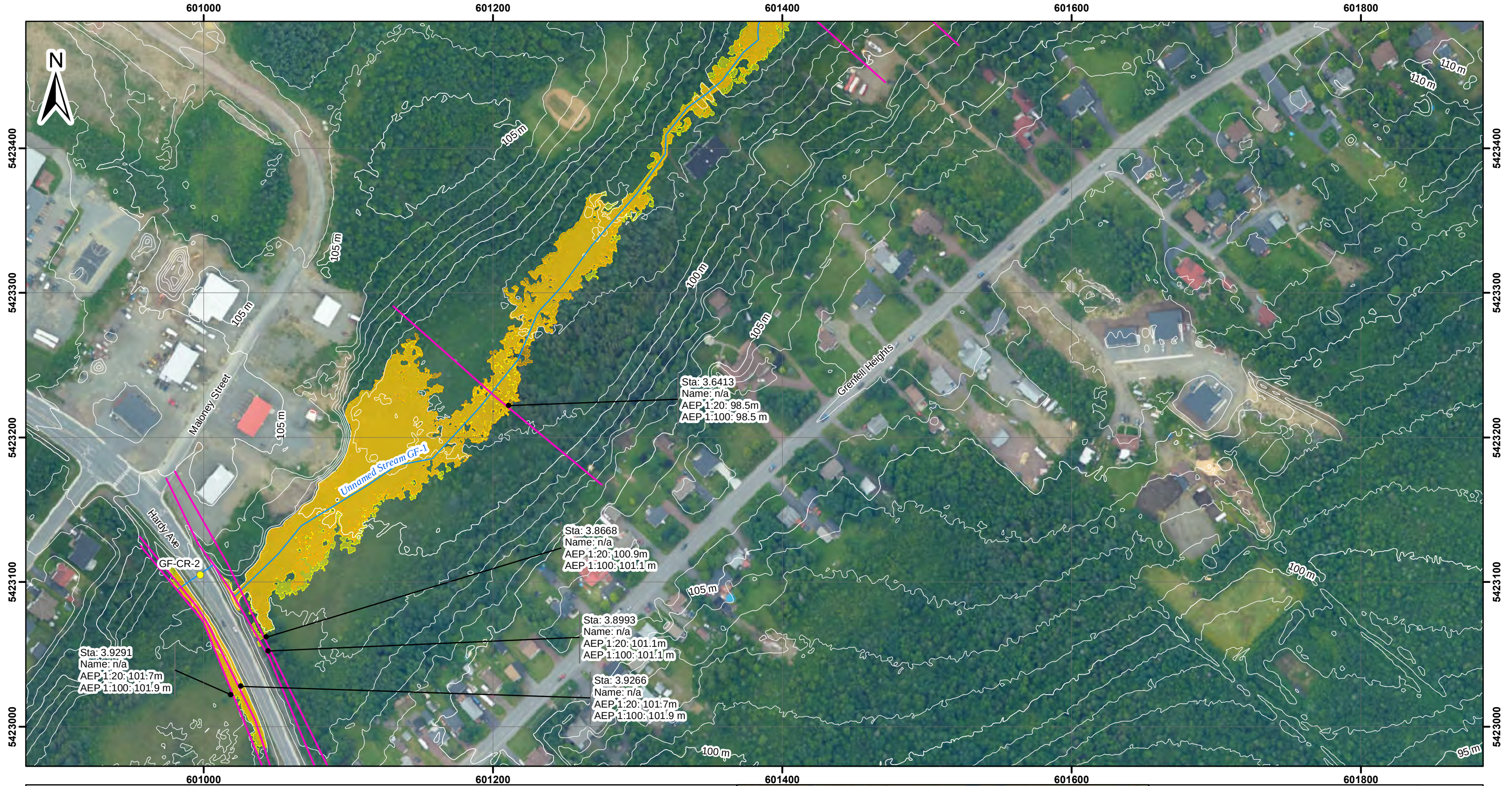
0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size



KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY
MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP
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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- 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.

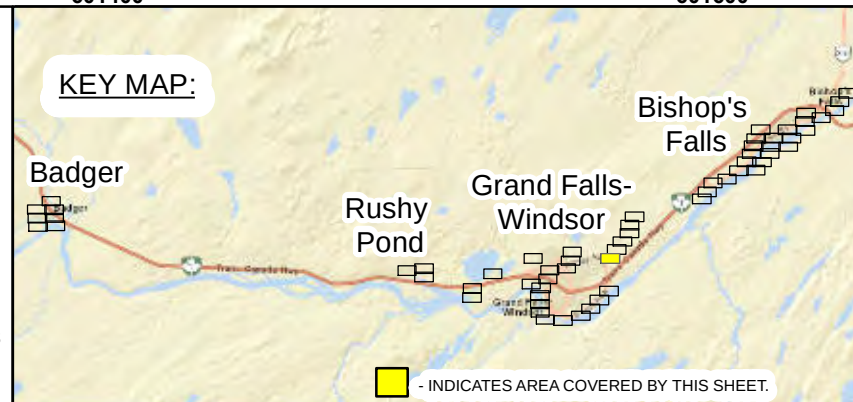
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0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

Cross Sections

KEY MAP:

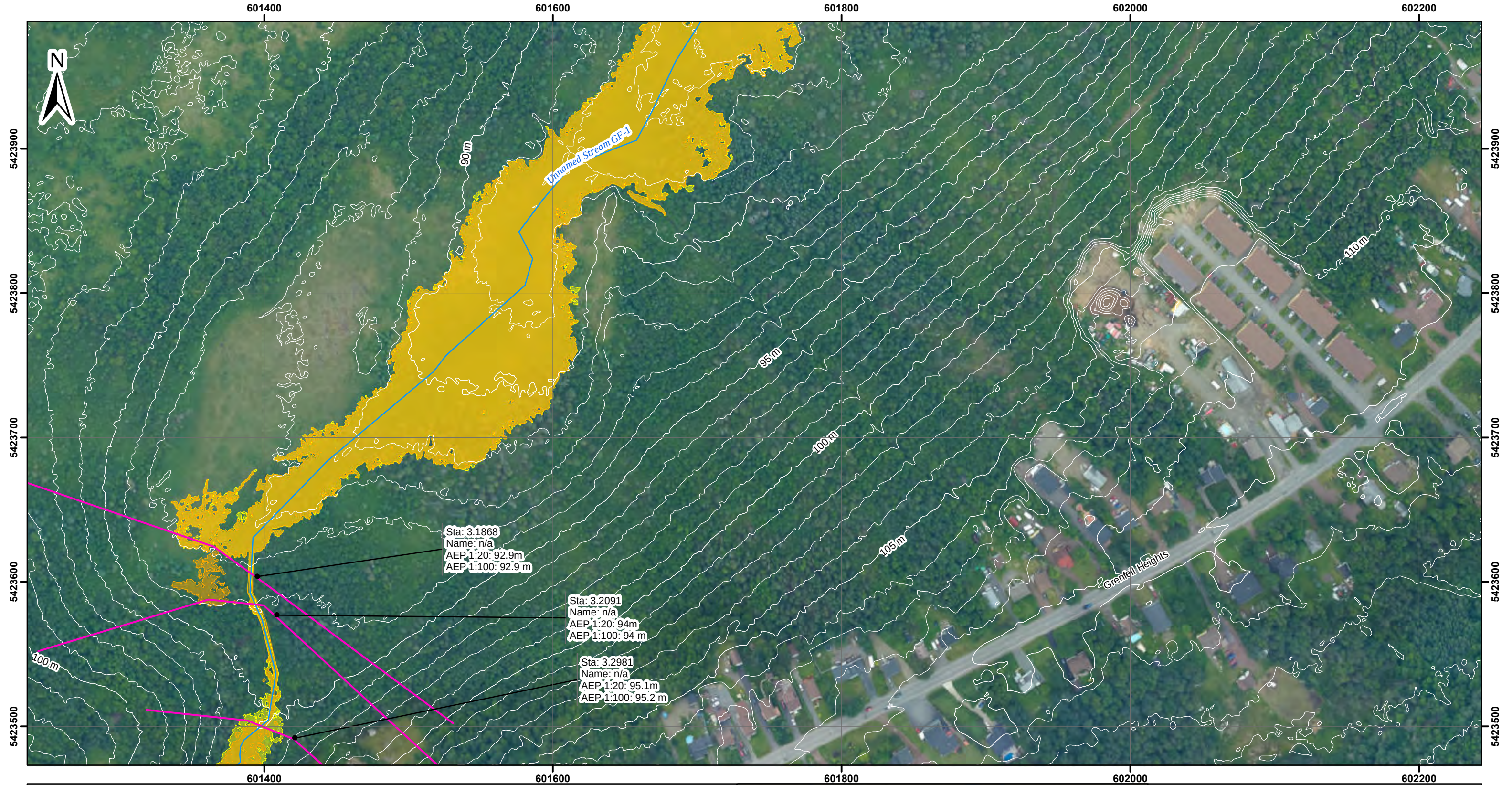




WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY
MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
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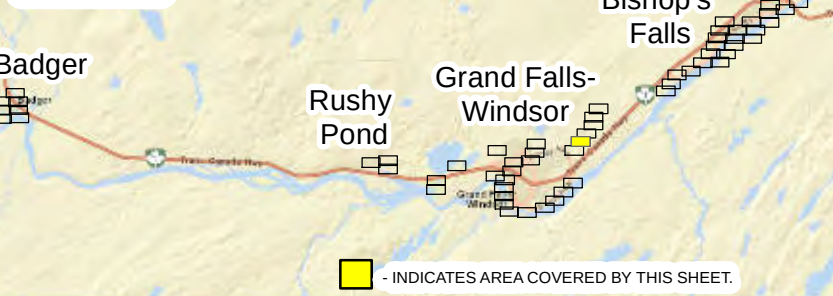
Legend

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

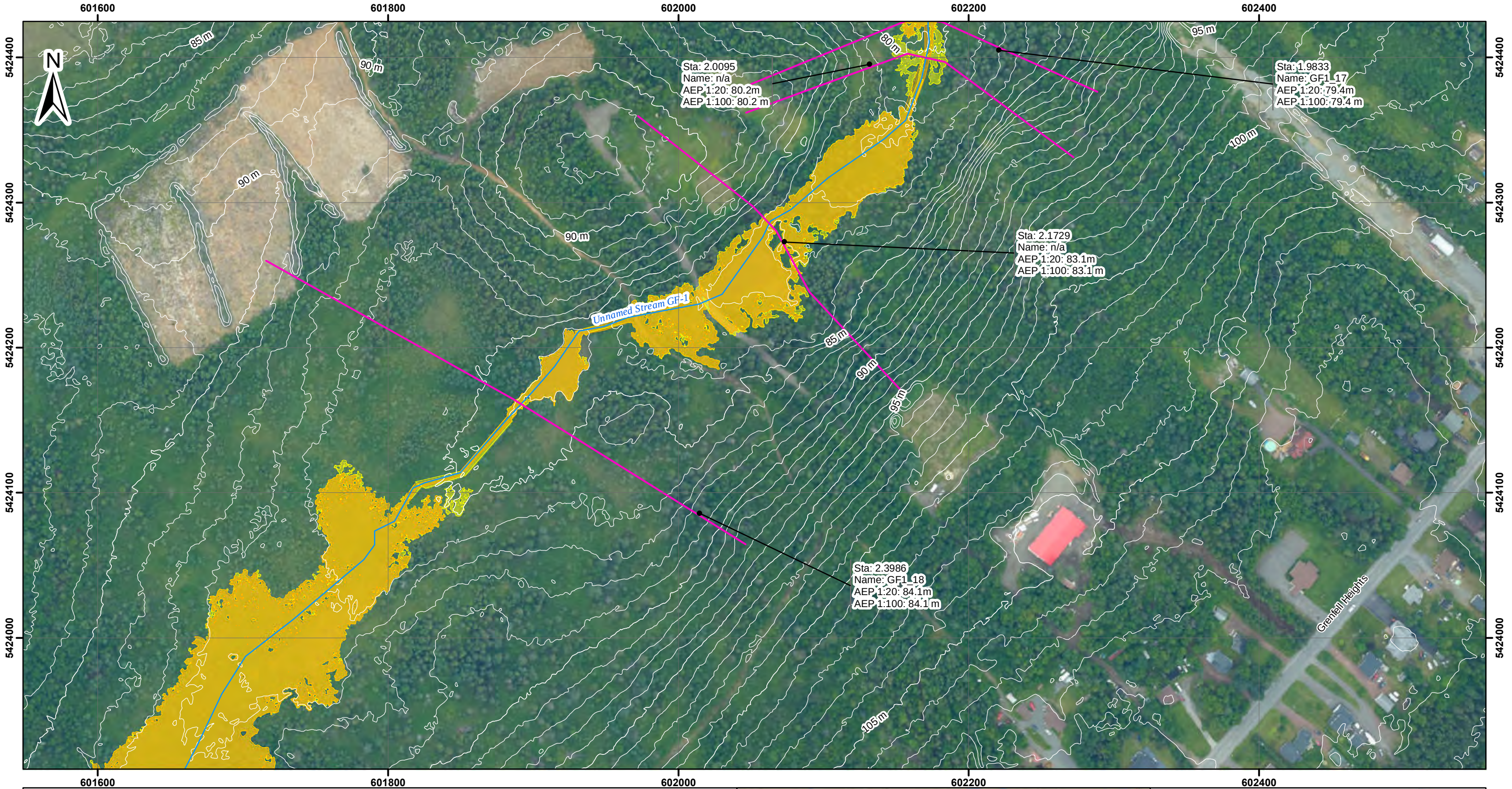
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- Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.
- 0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #1	
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE	
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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

Overland Flooding

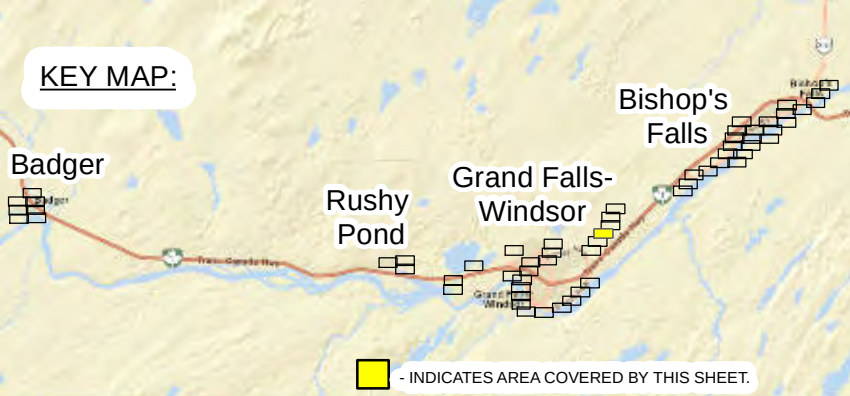
Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

NOTES:

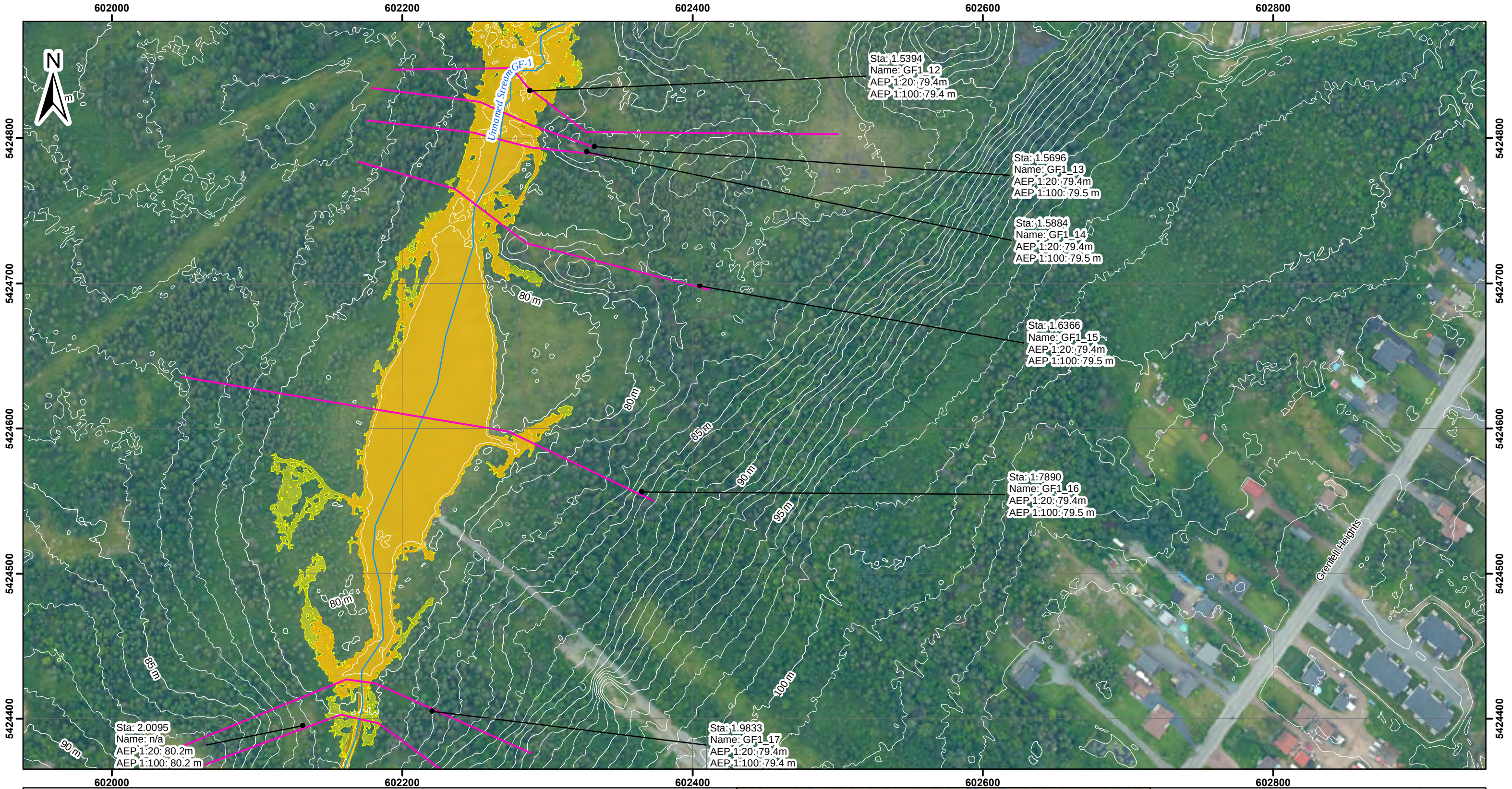
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- 0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

Cross Sections

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #1	
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE	
CURRENT CLIMATE	
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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

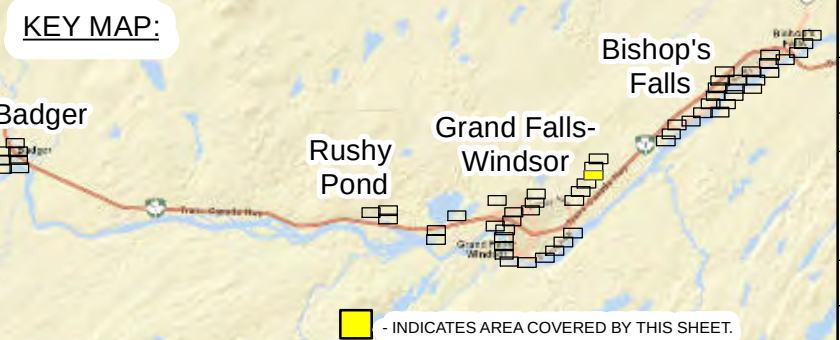
Overland Flooding

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.

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



WATER RESOURCES MANAGEMENT DIVISION

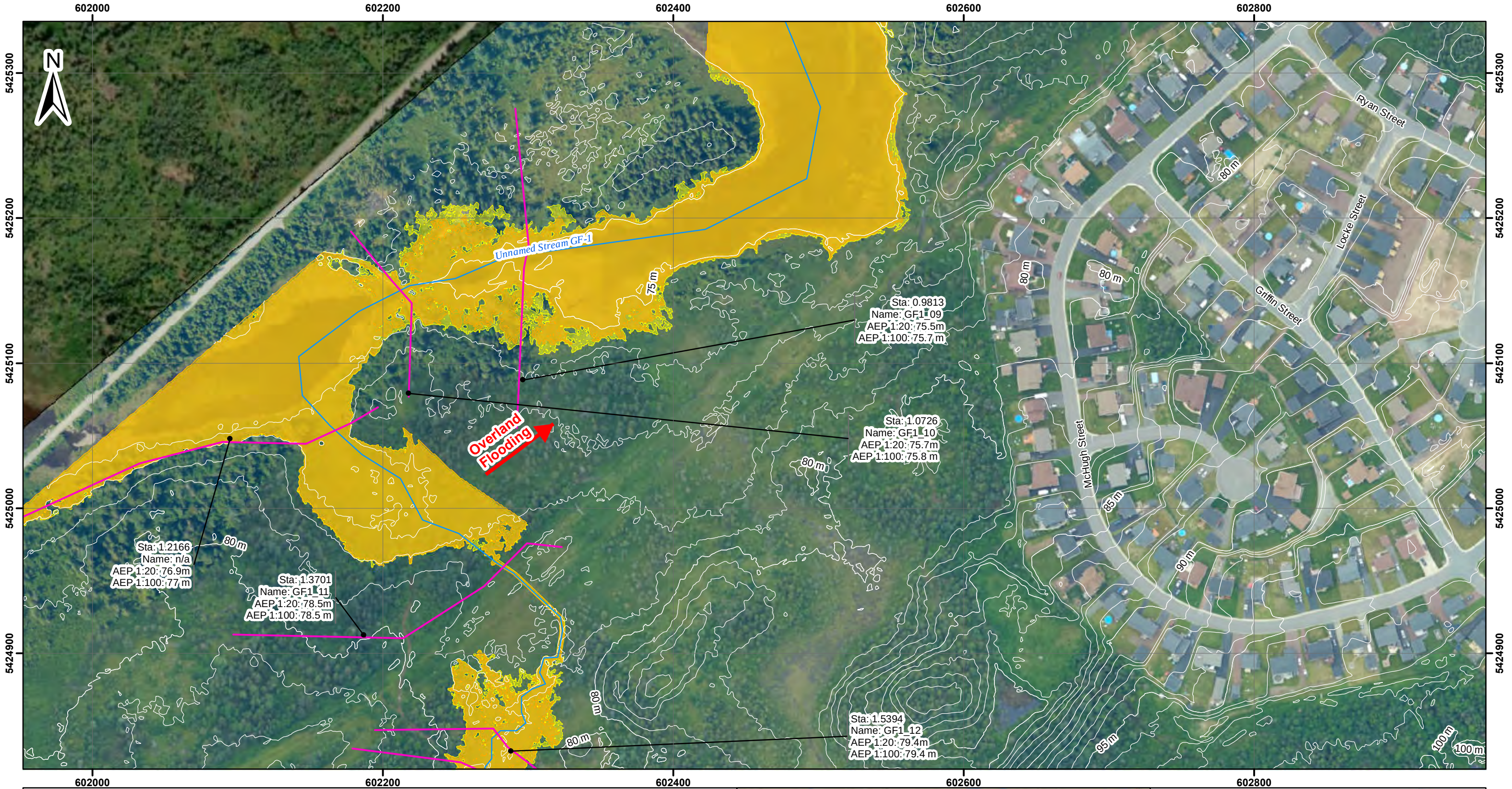
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

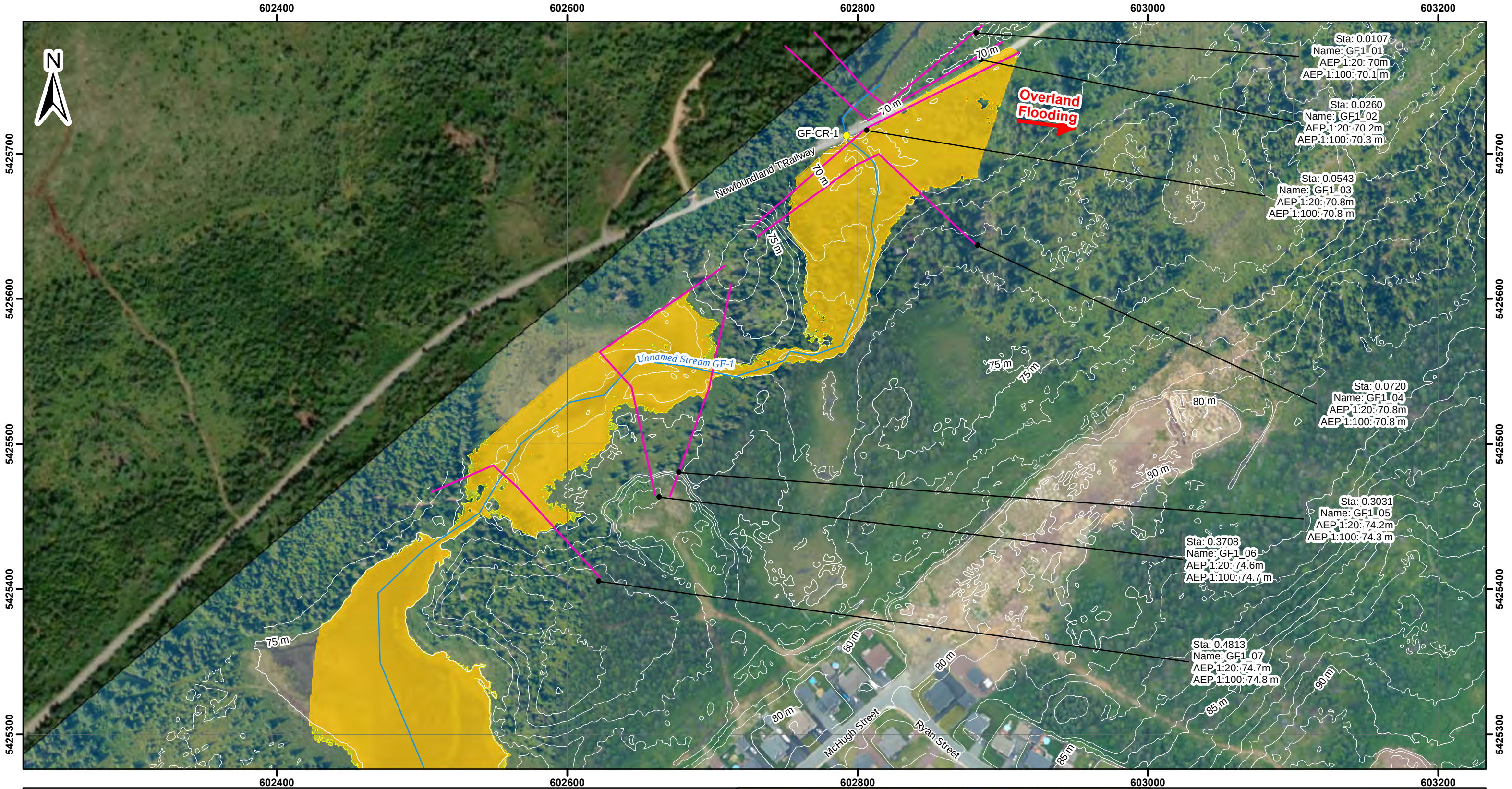
MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

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Legend

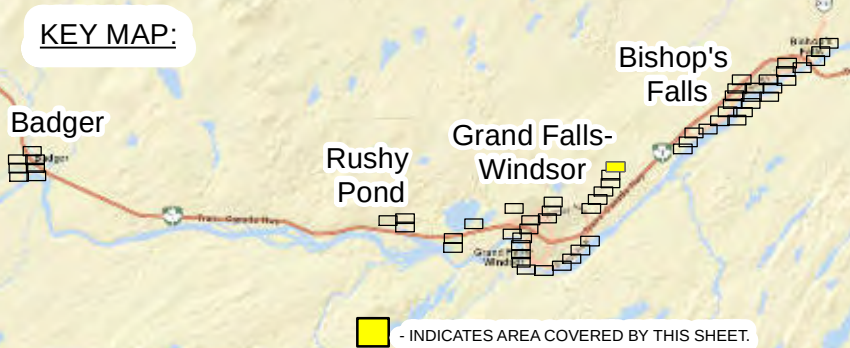
- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
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- Culvert
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Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface 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



HATCH Newfoundland Labrador

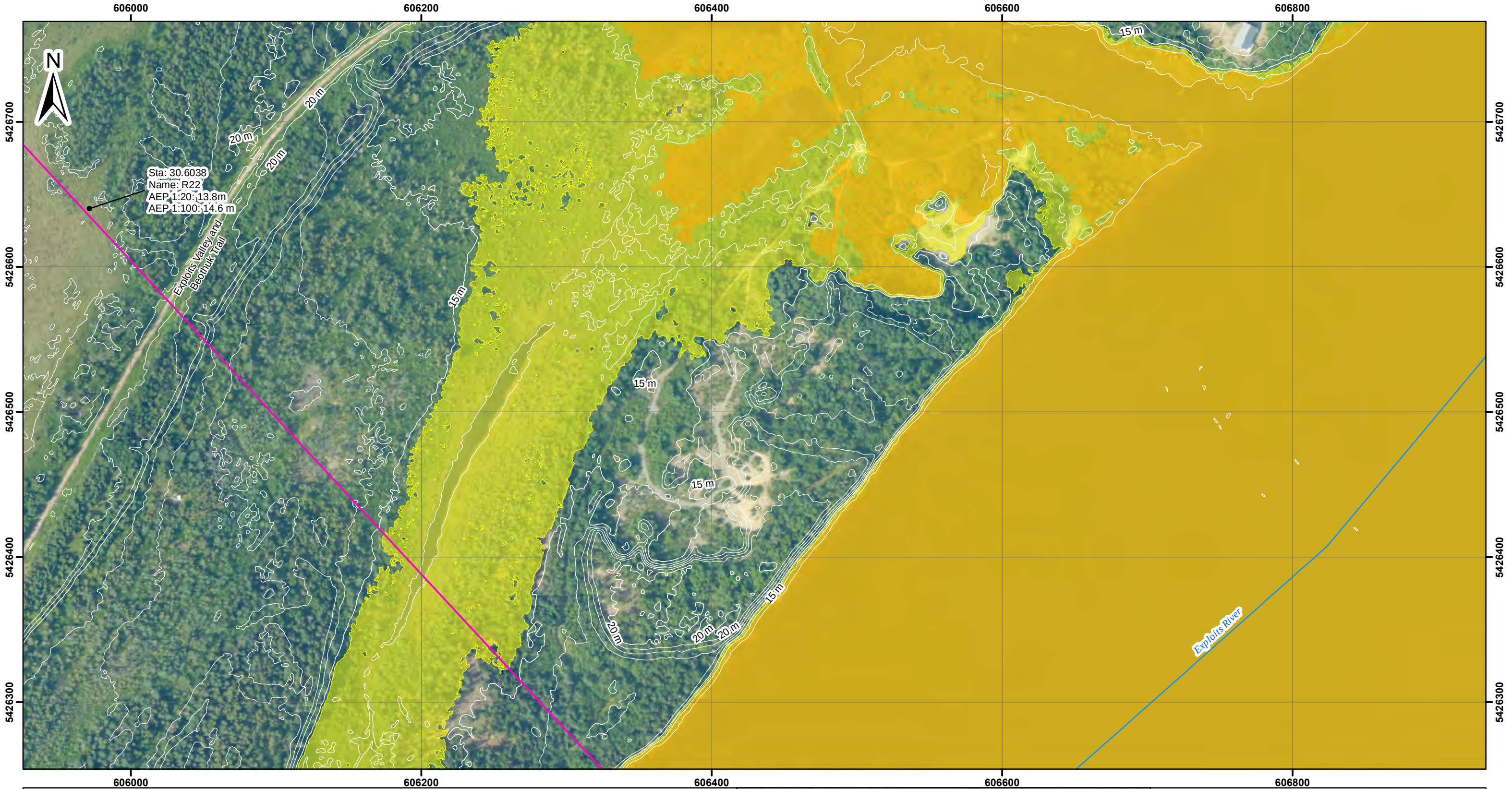
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021
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Legend

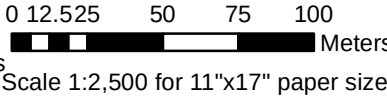
- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station



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.

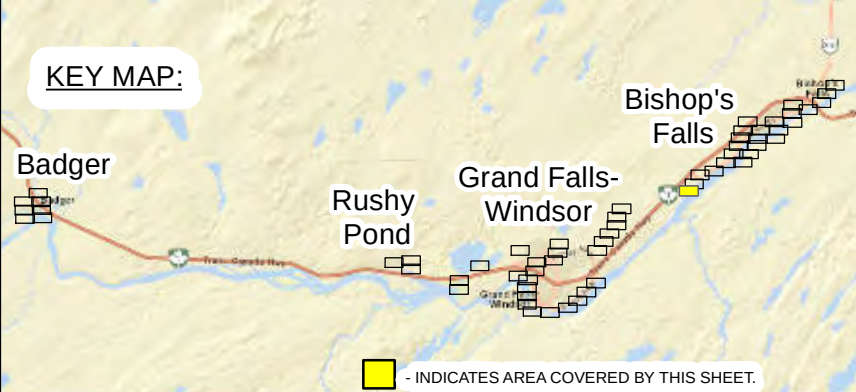
NOTES:

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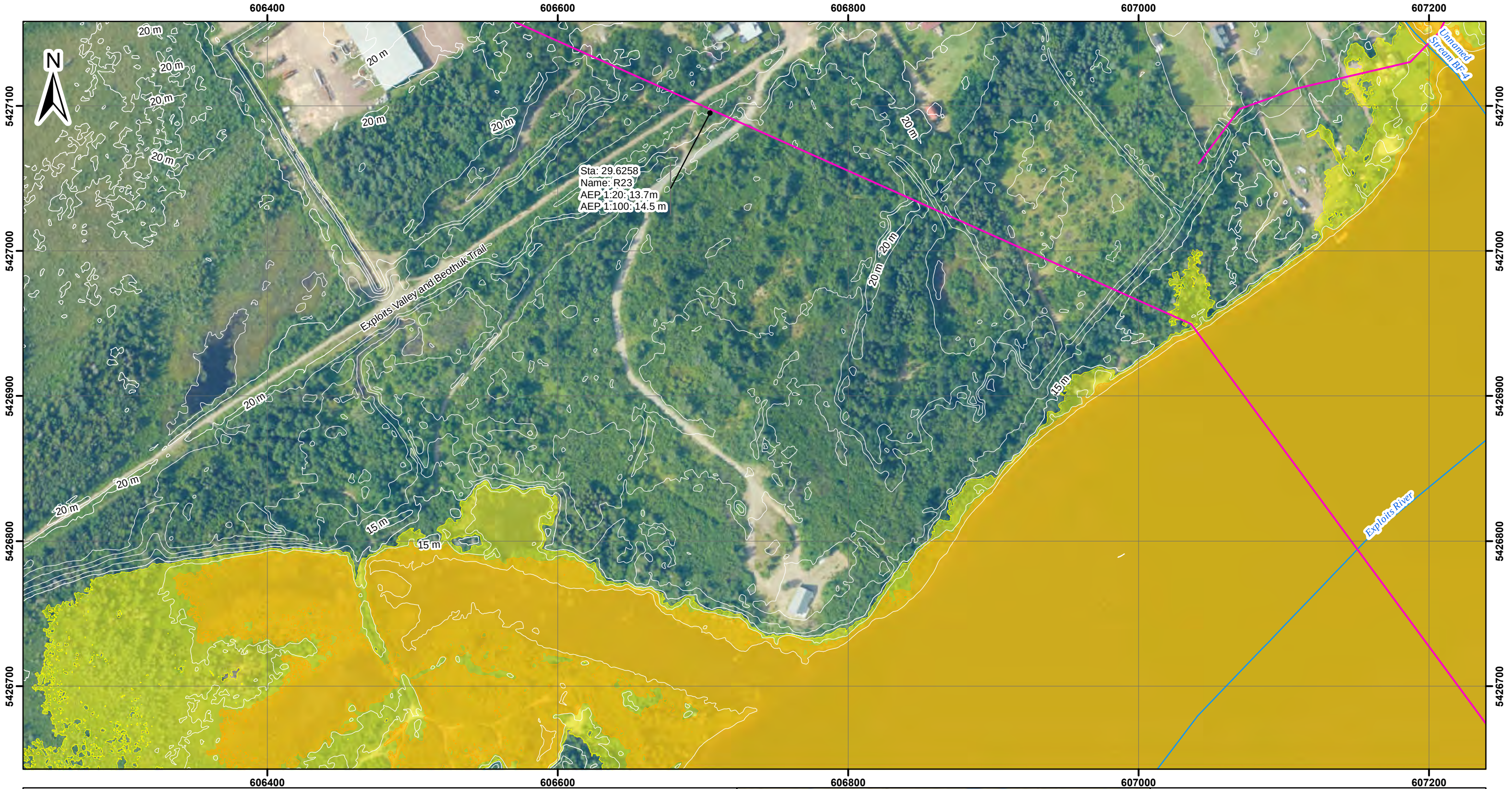


Cross Sections

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #1	
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE	
CURRENT CLIMATE	
DETAIL MAP	
DATE: 05/17/2021	Page 37 of 61
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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

Overland Flooding

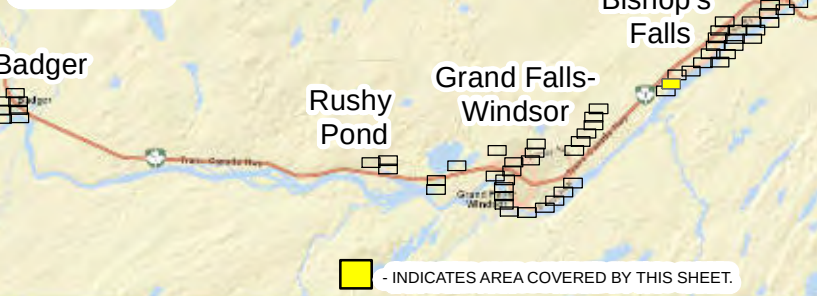
Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

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- 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

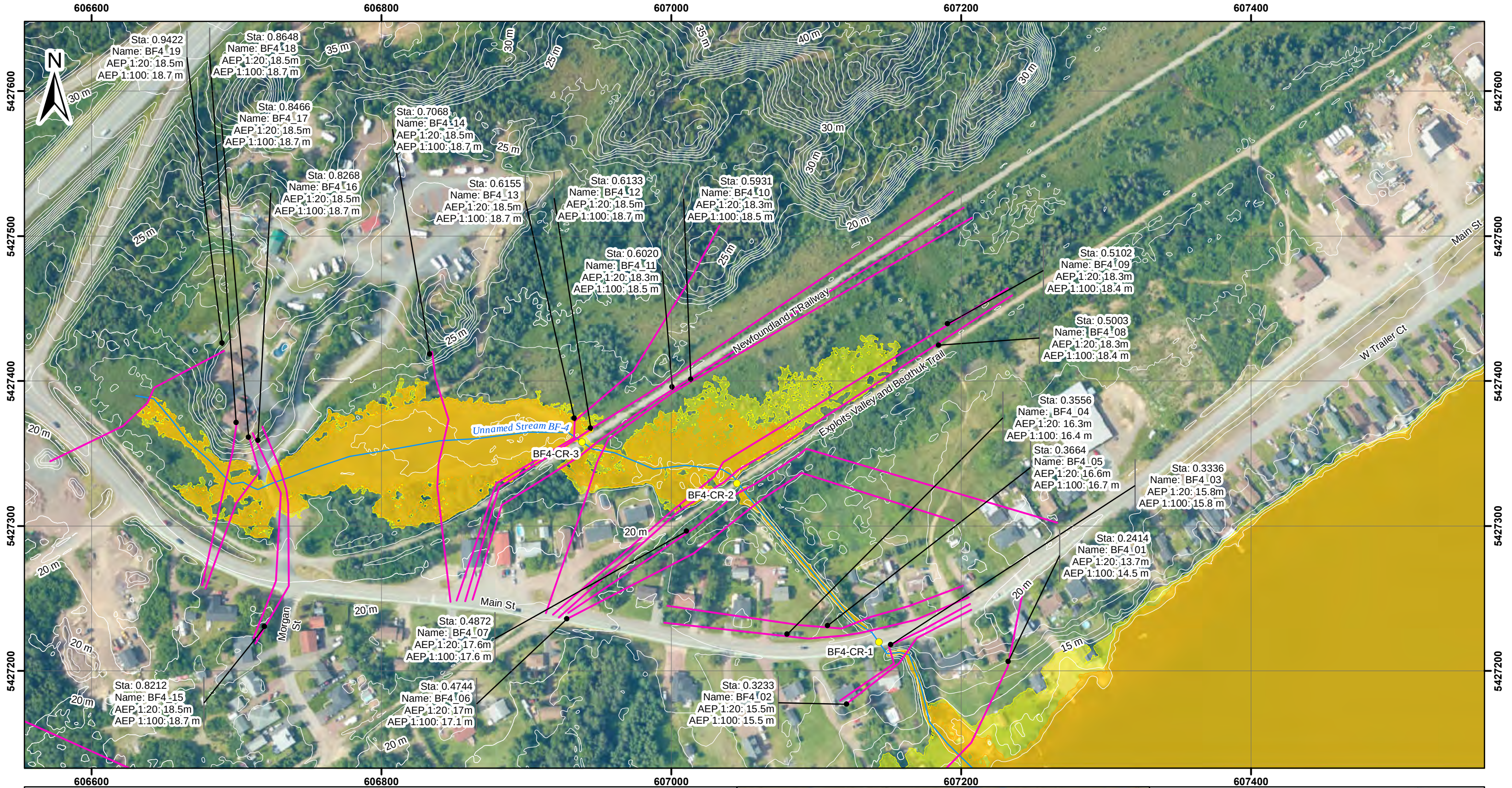
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station



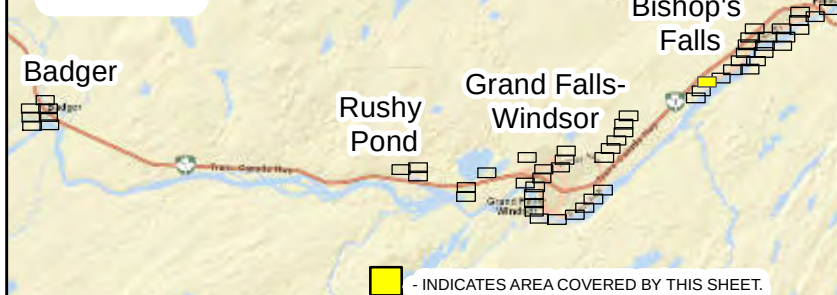
Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

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0 12.5 25 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION

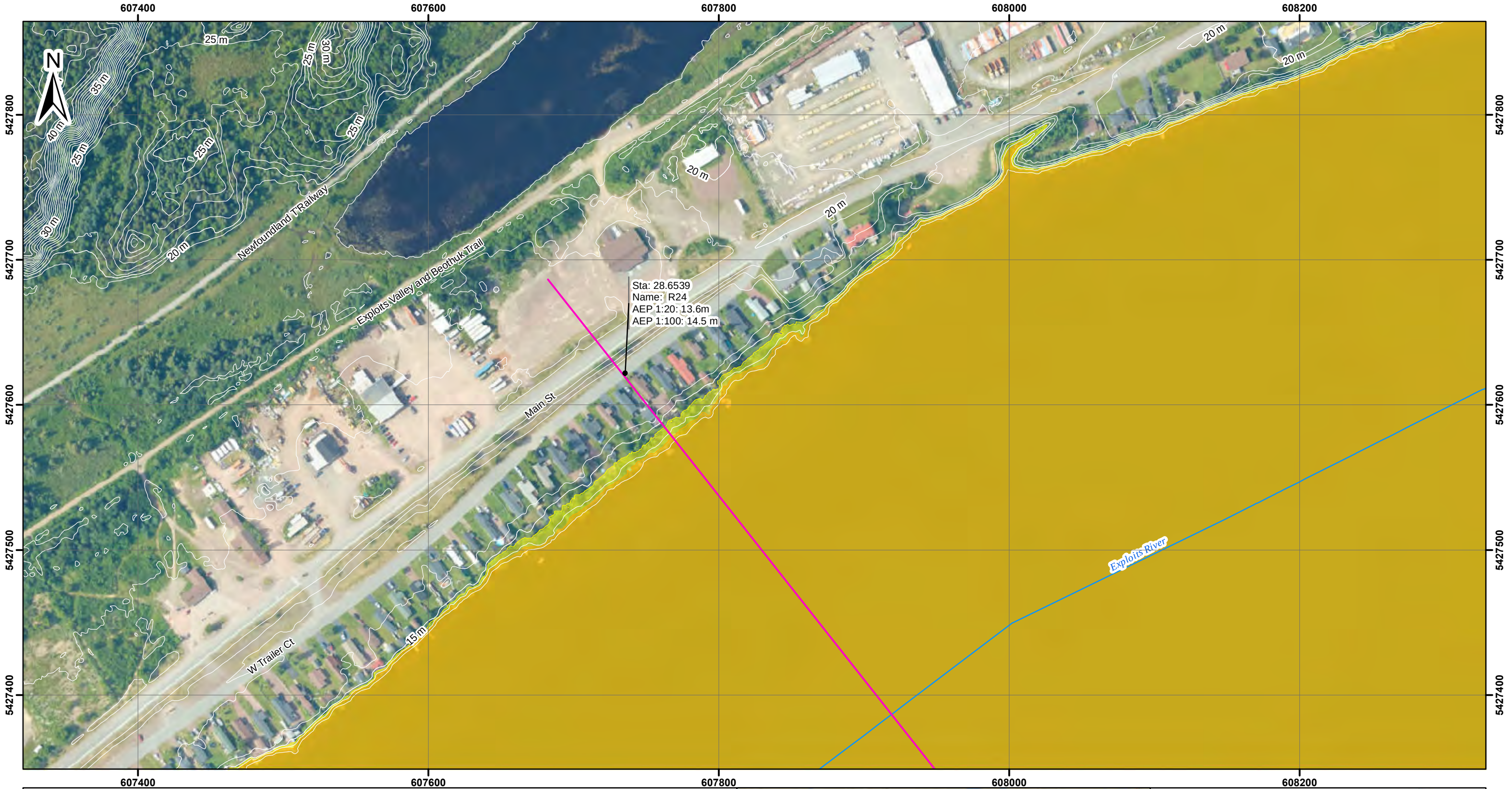
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

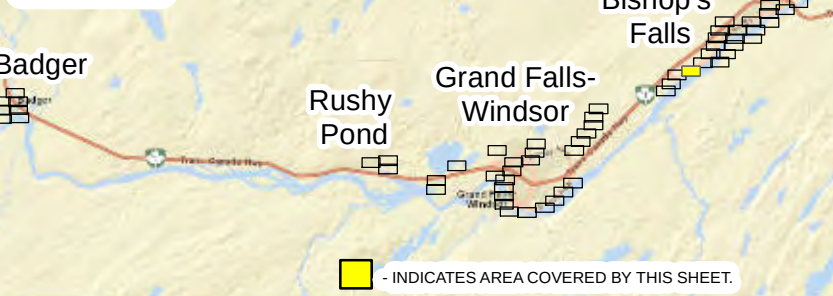
Overland Flooding

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.

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

KEY MAP:

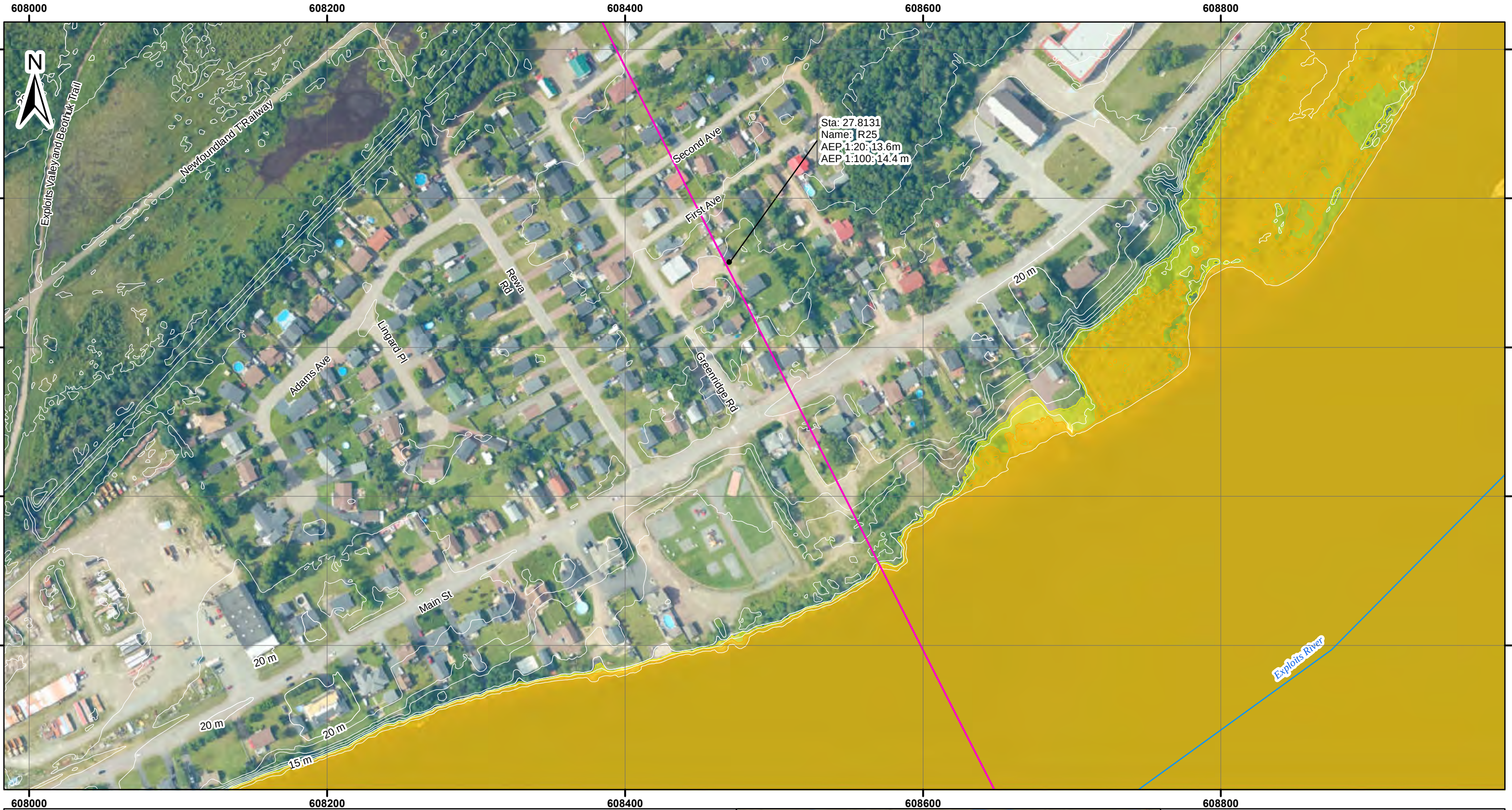


WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021
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Legend

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

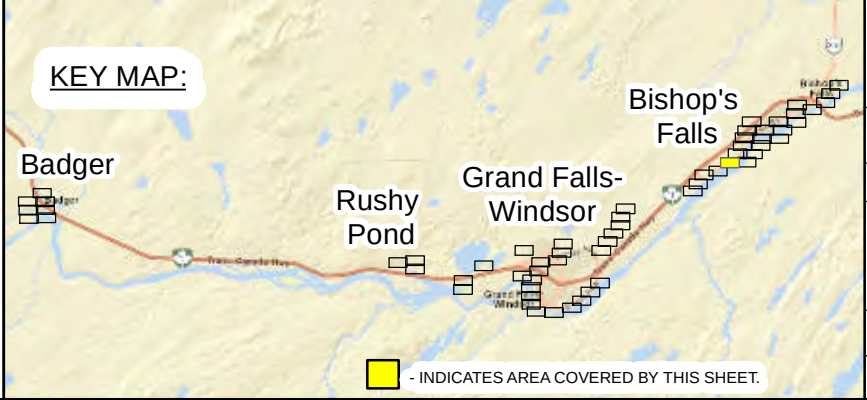
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Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

Cross Sections

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

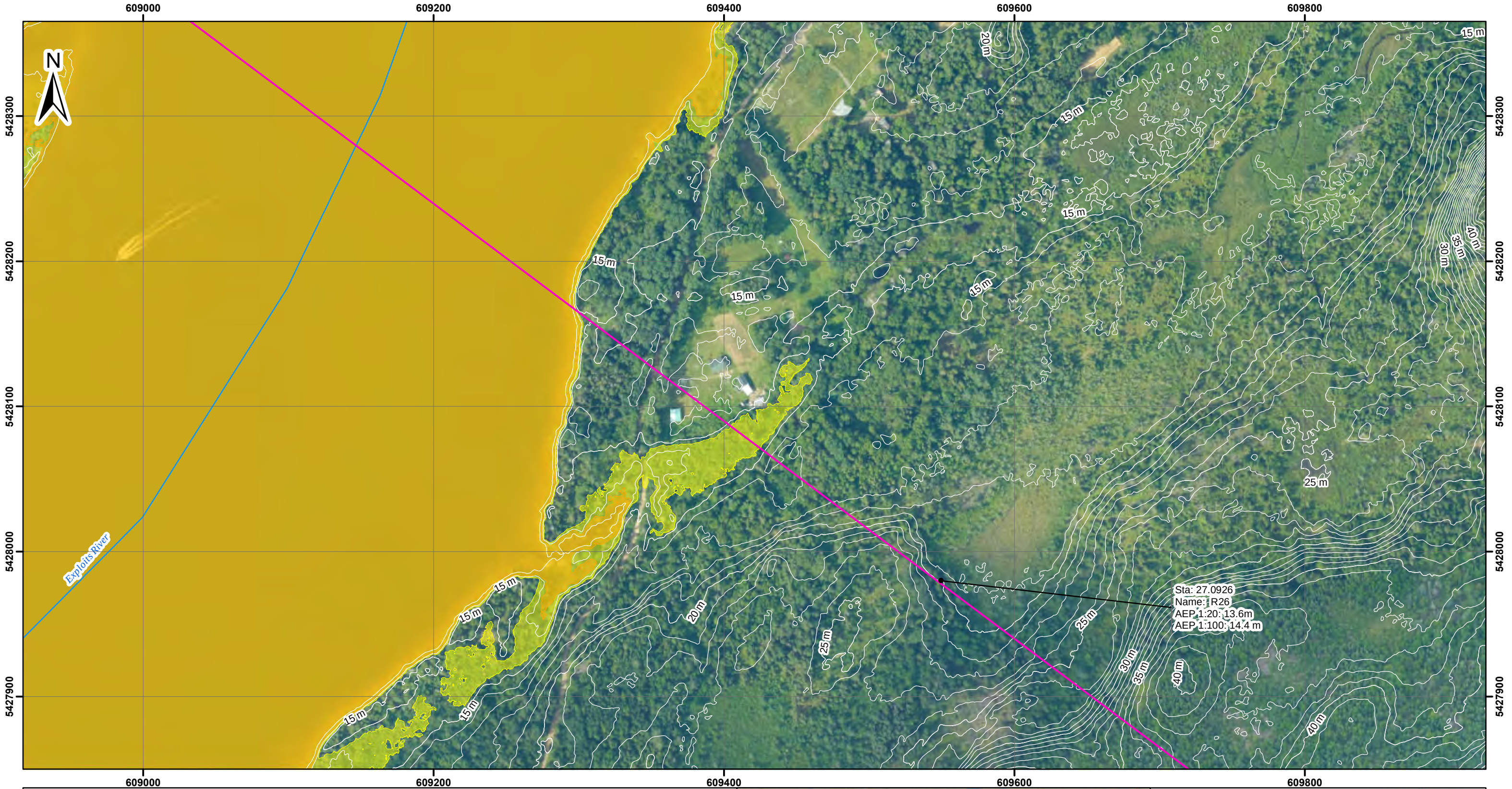


HATCH Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY
MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

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

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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

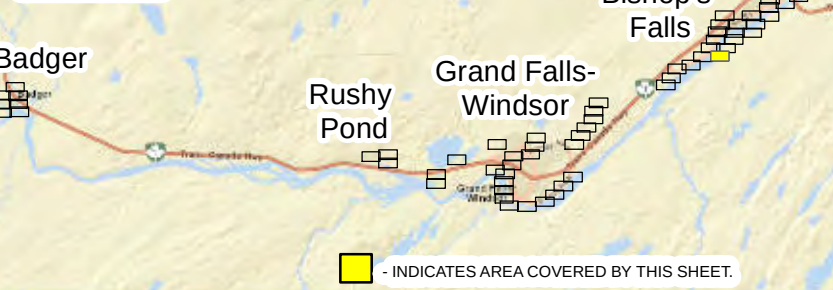
Overland Flooding

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.

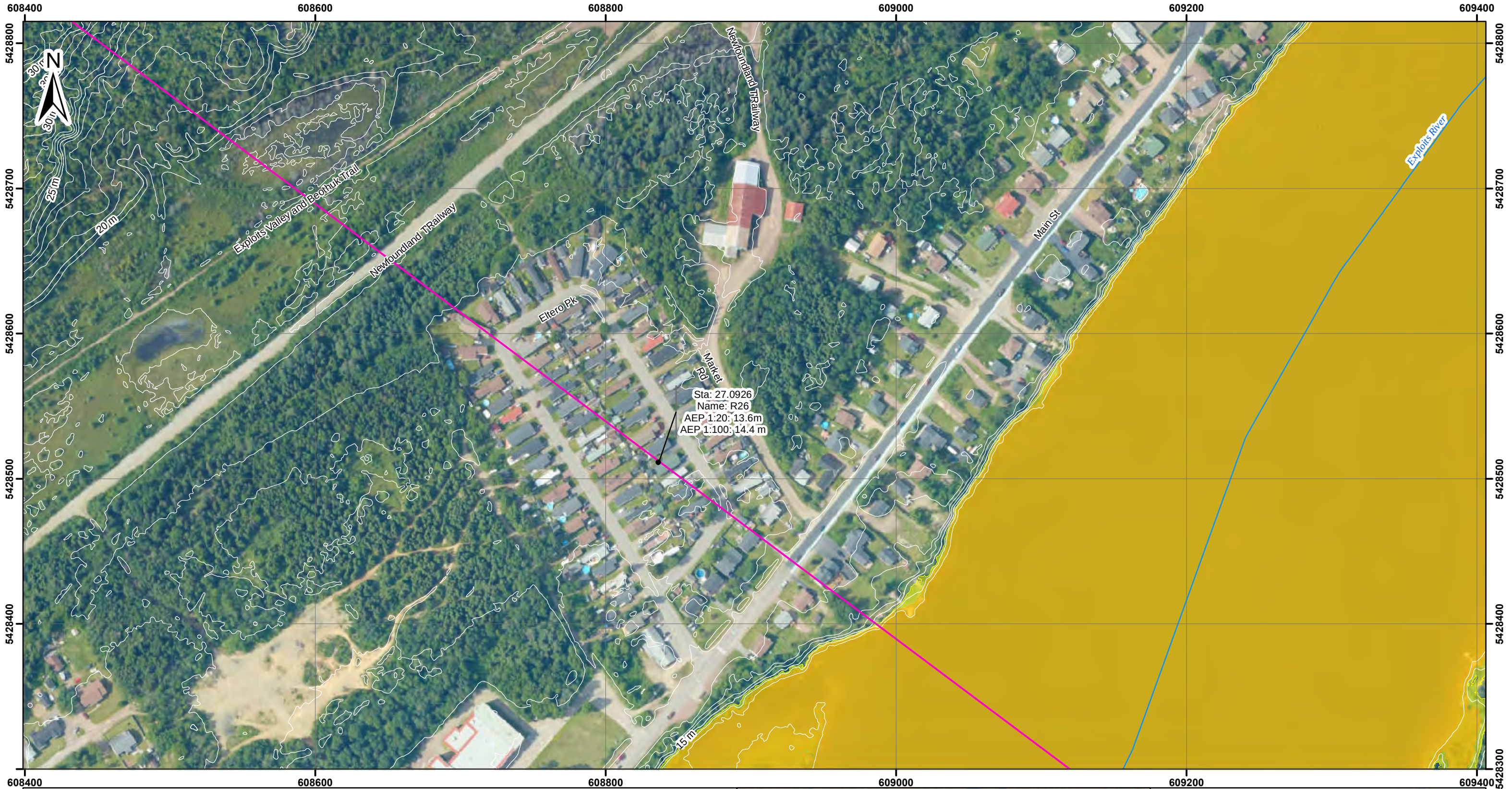
NOTES:

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 - 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

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #1	
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE	
CURRENT CLIMATE	
DETAIL MAP	
DATE: 05/17/2021	Page 42 of 61
PROJECT #: H-358566	



Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

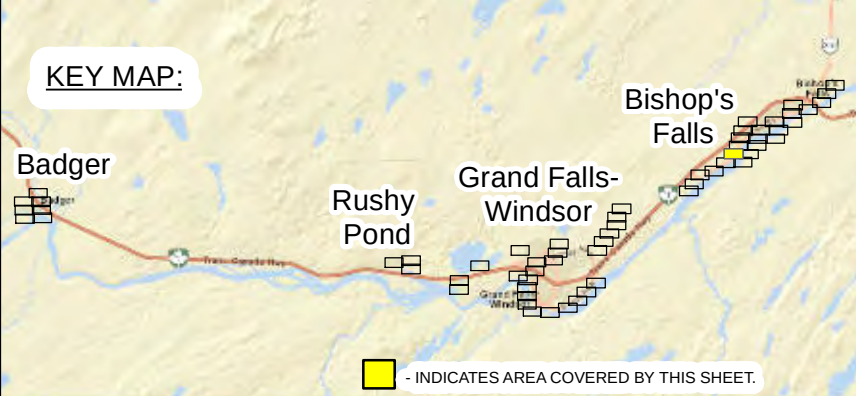
Overland Flooding

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.

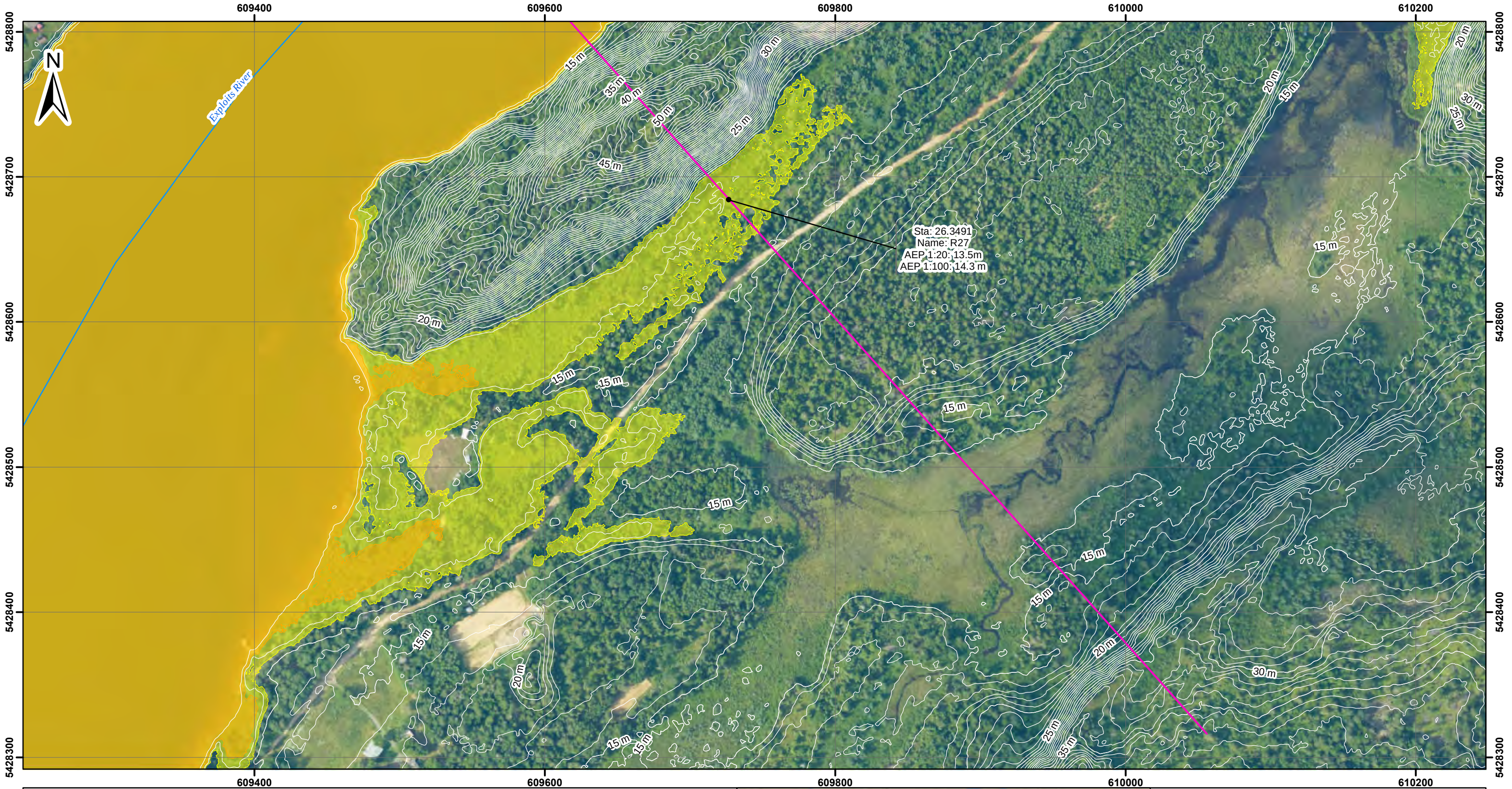
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- Cross Sections
- 0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #1	
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE	
CURRENT CLIMATE	
DETAIL MAP	
DATE: 05/17/2021	Page 43 of 61
PROJECT #: H-358566	



Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

Overland Flooding

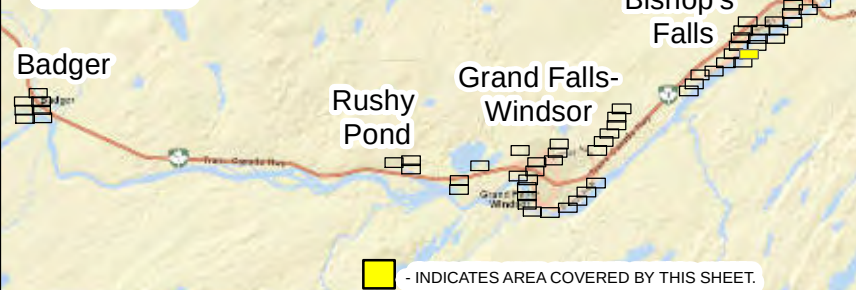
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AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

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

Cross Sections

KEY MAP:



HATCH

Newfoundland
Labrador

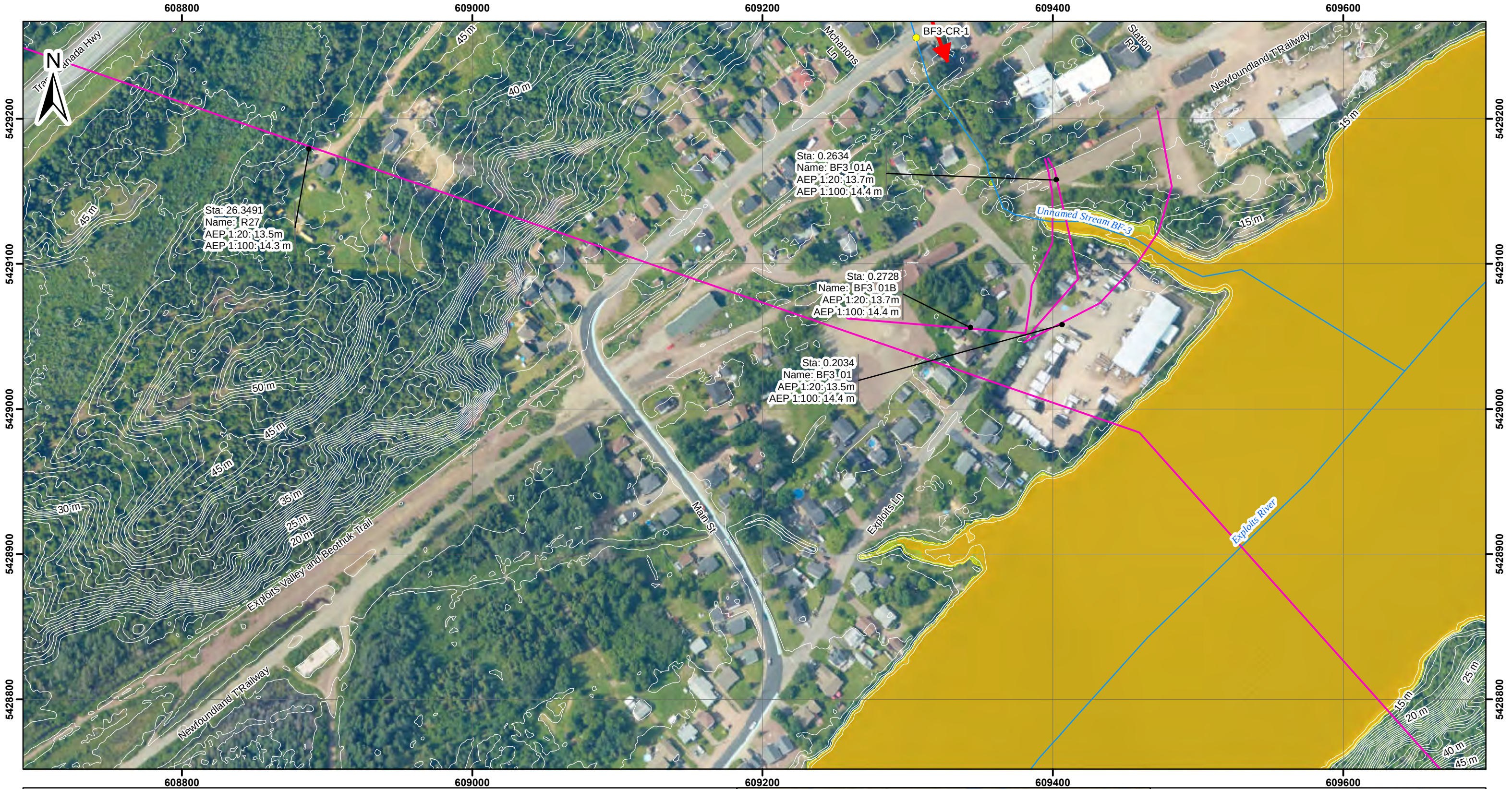
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566



Legend

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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.

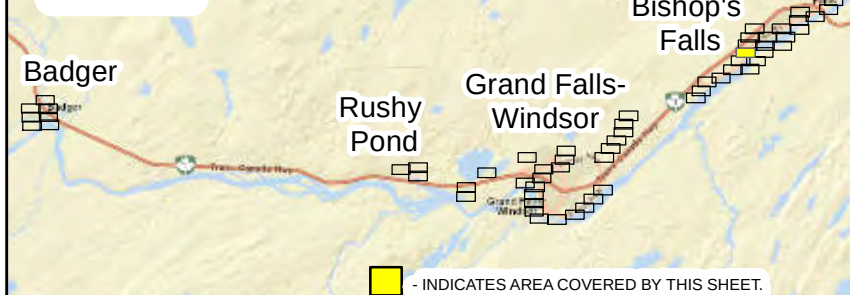
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0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

Cross Sections

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION

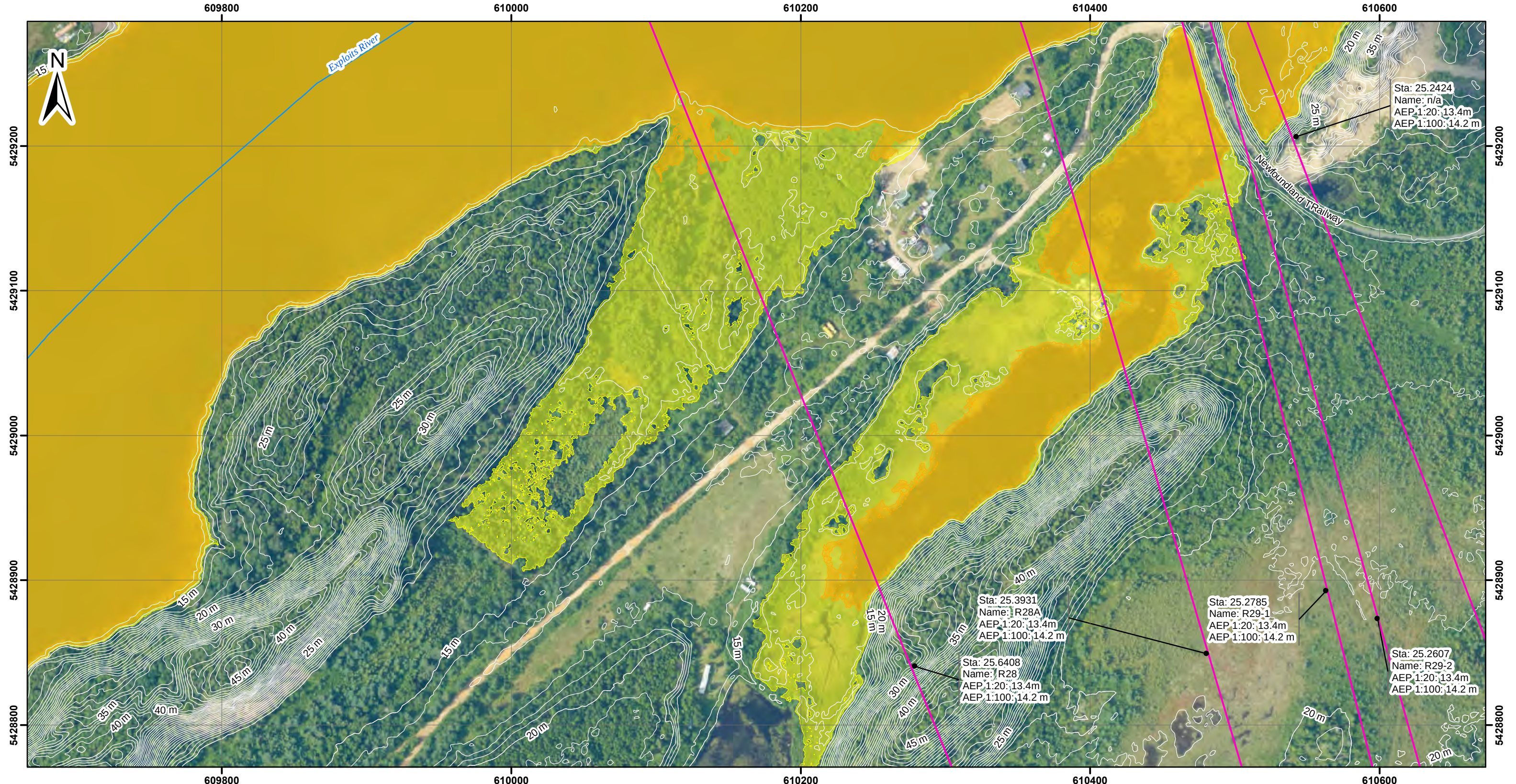
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566

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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

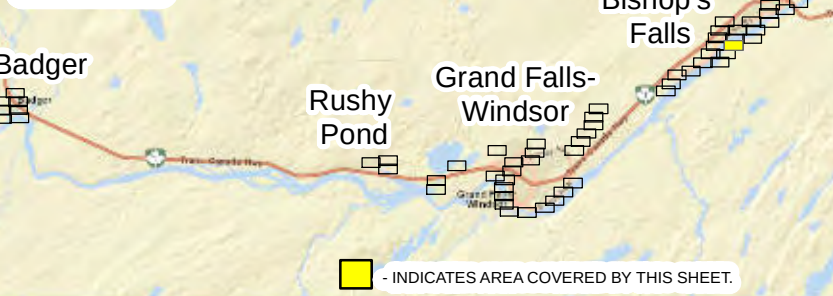
Overland Flooding

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.

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

KEY MAP:



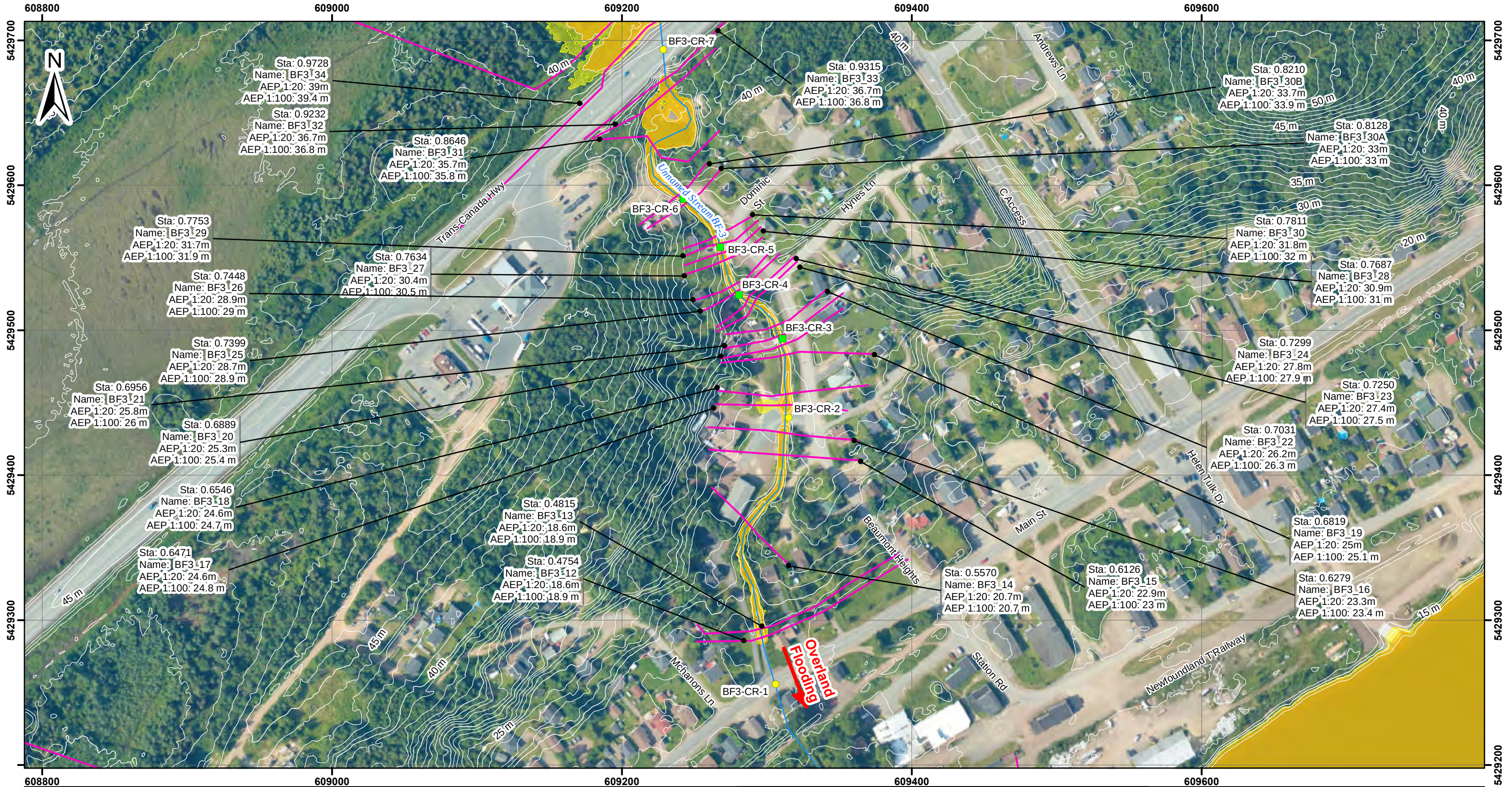
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566



Legend

- 1:20 AEP Flood Zone Current Conditions
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- Bridge
- Culvert
- Hydrometric Station

NOTES:

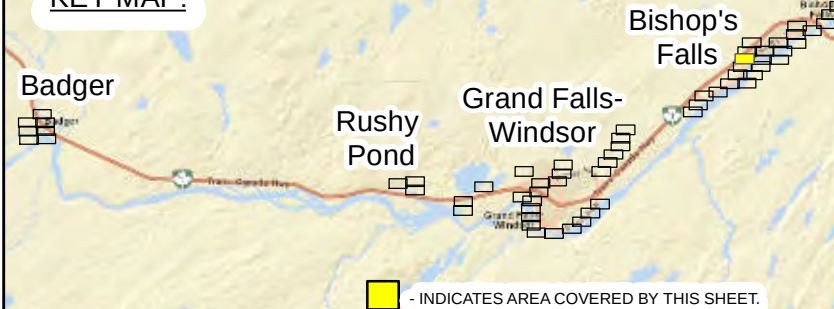
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Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

Cross Sections

0 12.5 25 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size

KEY MAP:



HATCH

Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION

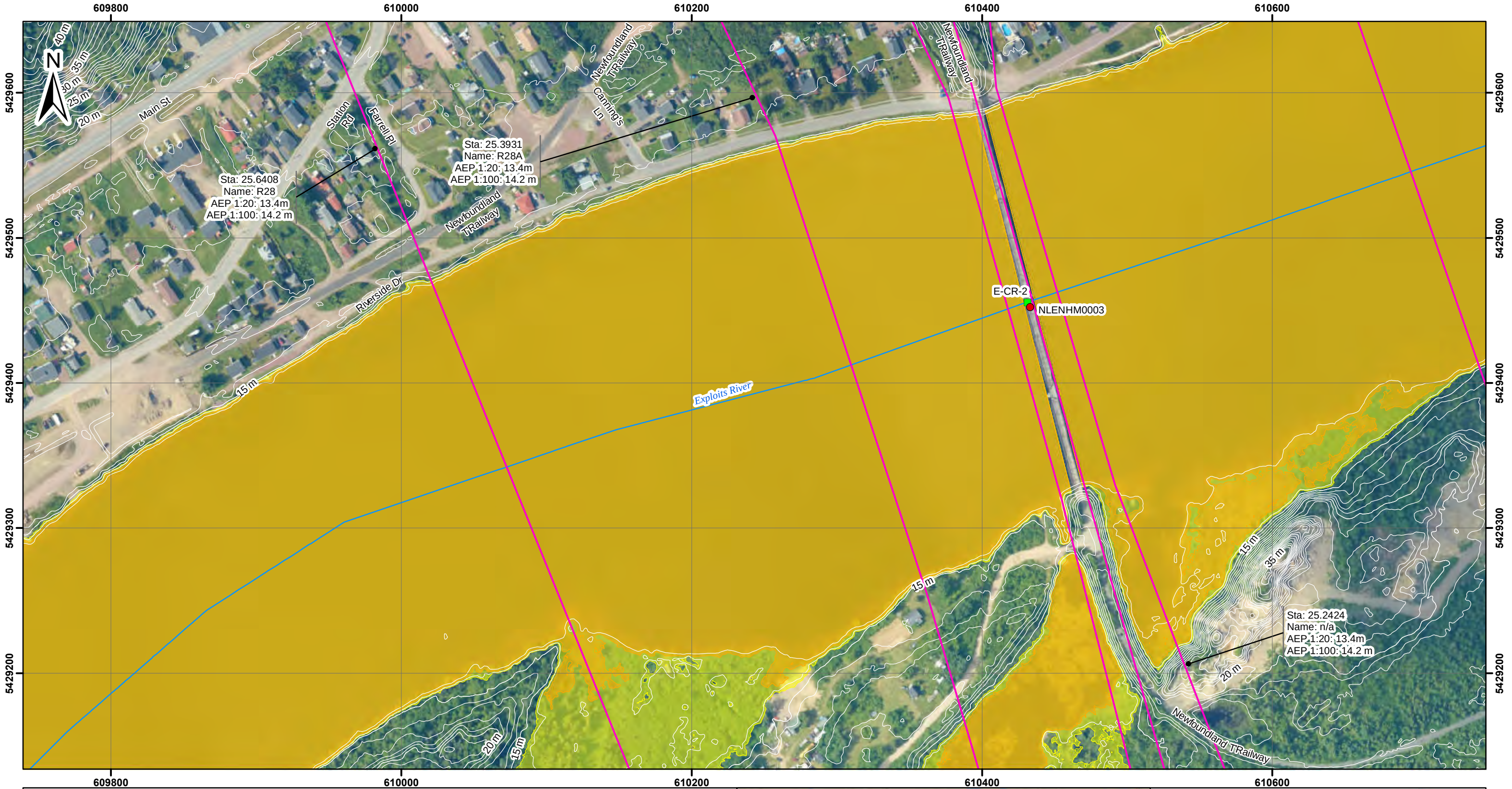
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

Overland Flooding

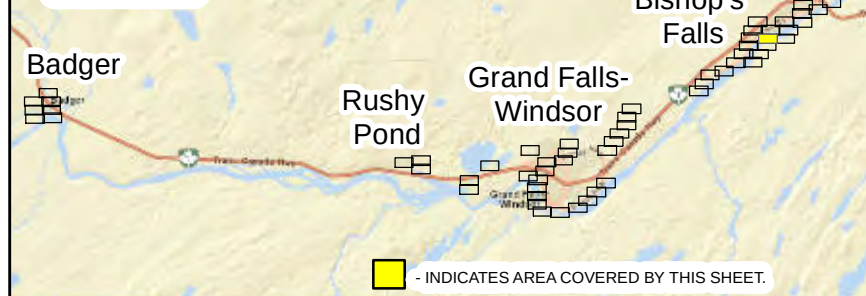
Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

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

Cross Sections

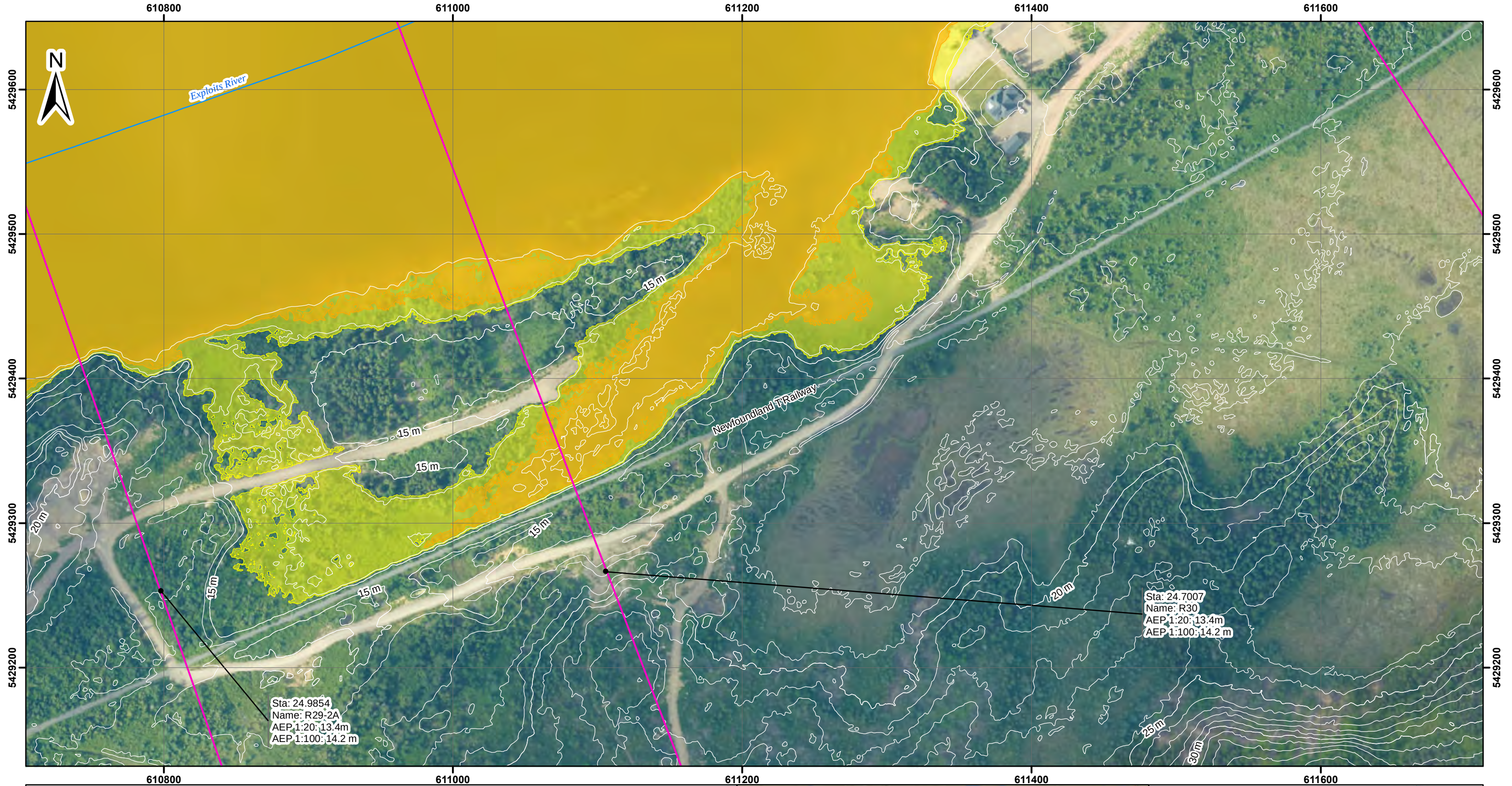
KEY MAP:



HATCH

Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #1	
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE	
CURRENT CLIMATE	
DETAIL MAP	
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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
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- 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.

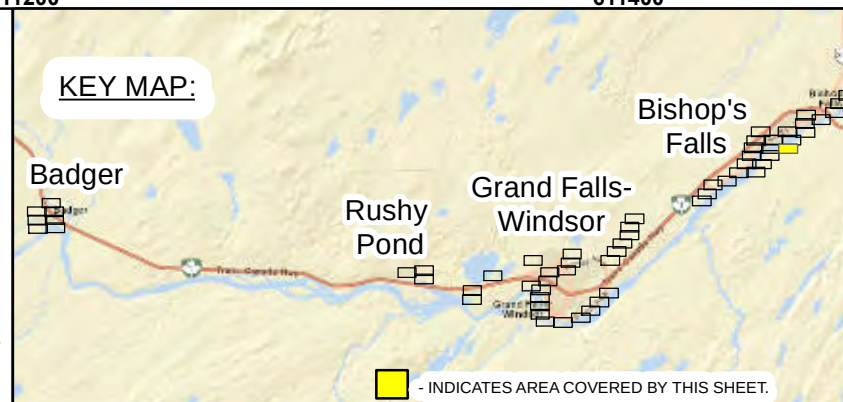
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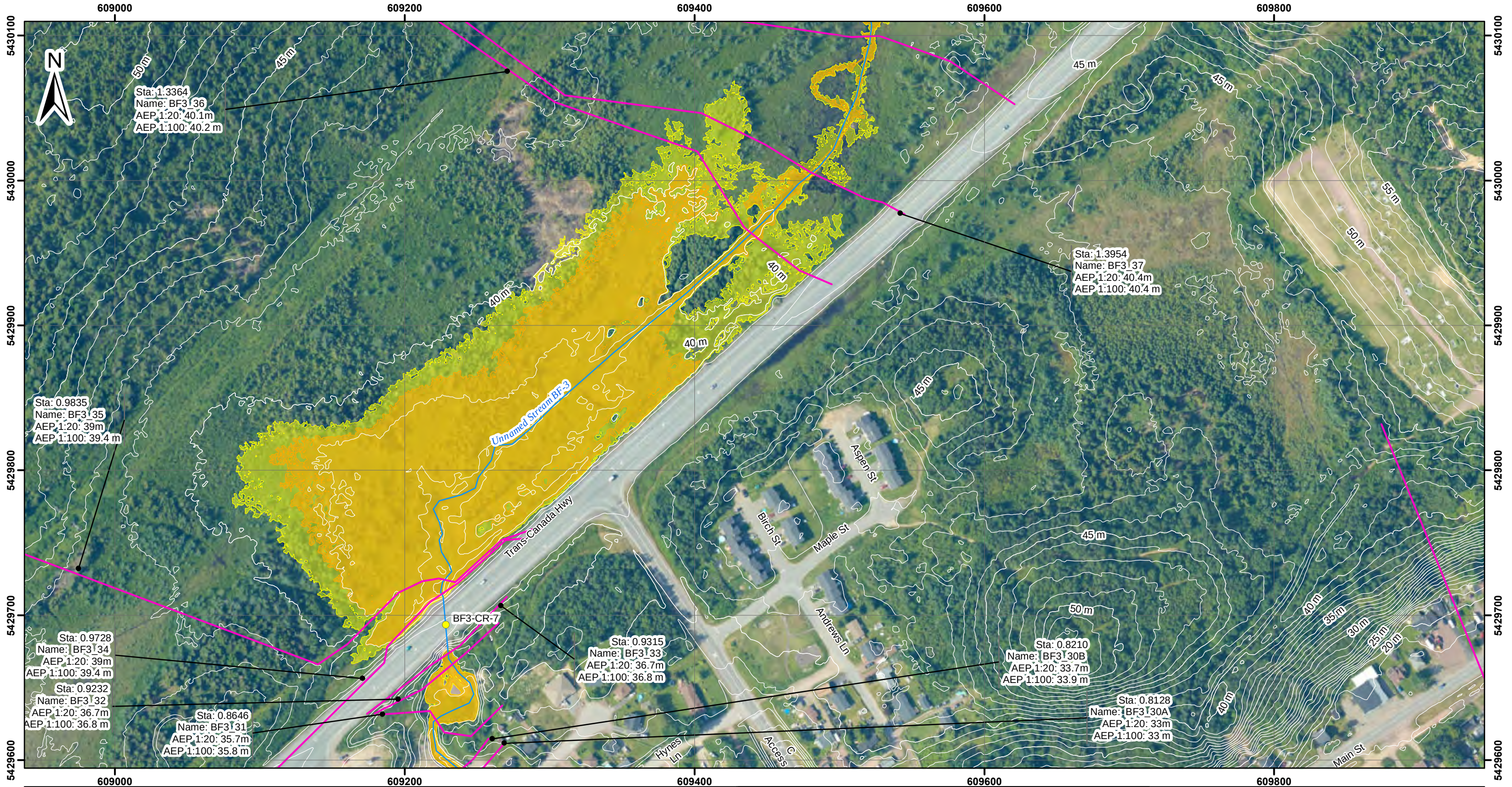
0 12.5 25 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

Cross Sections

KEY MAP:



HATCH		Newfoundland Labrador	
WATER RESOURCES MANAGEMENT DIVISION			
EXPLOITS RIVER FLOOD RISK MAPPING STUDY			
MAP SET #1			
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE CURRENT CLIMATE DETAIL MAP			
DATE: 05/17/2021		Page 49 of 61	
PROJECT #: H-358566			



Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
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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.

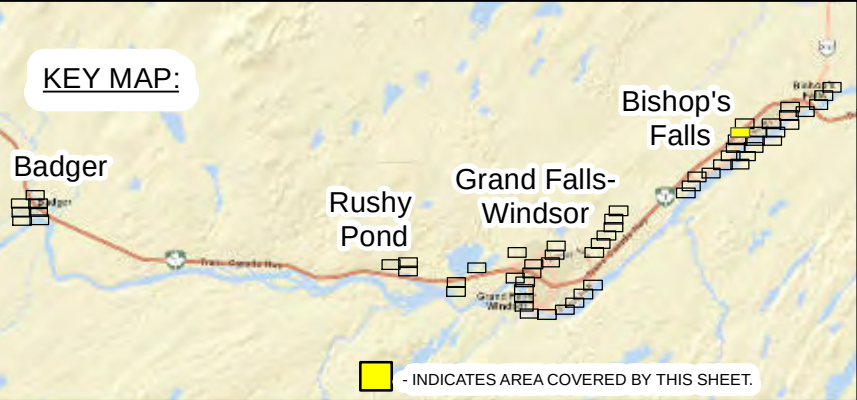
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0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

Cross Sections

KEY MAP:



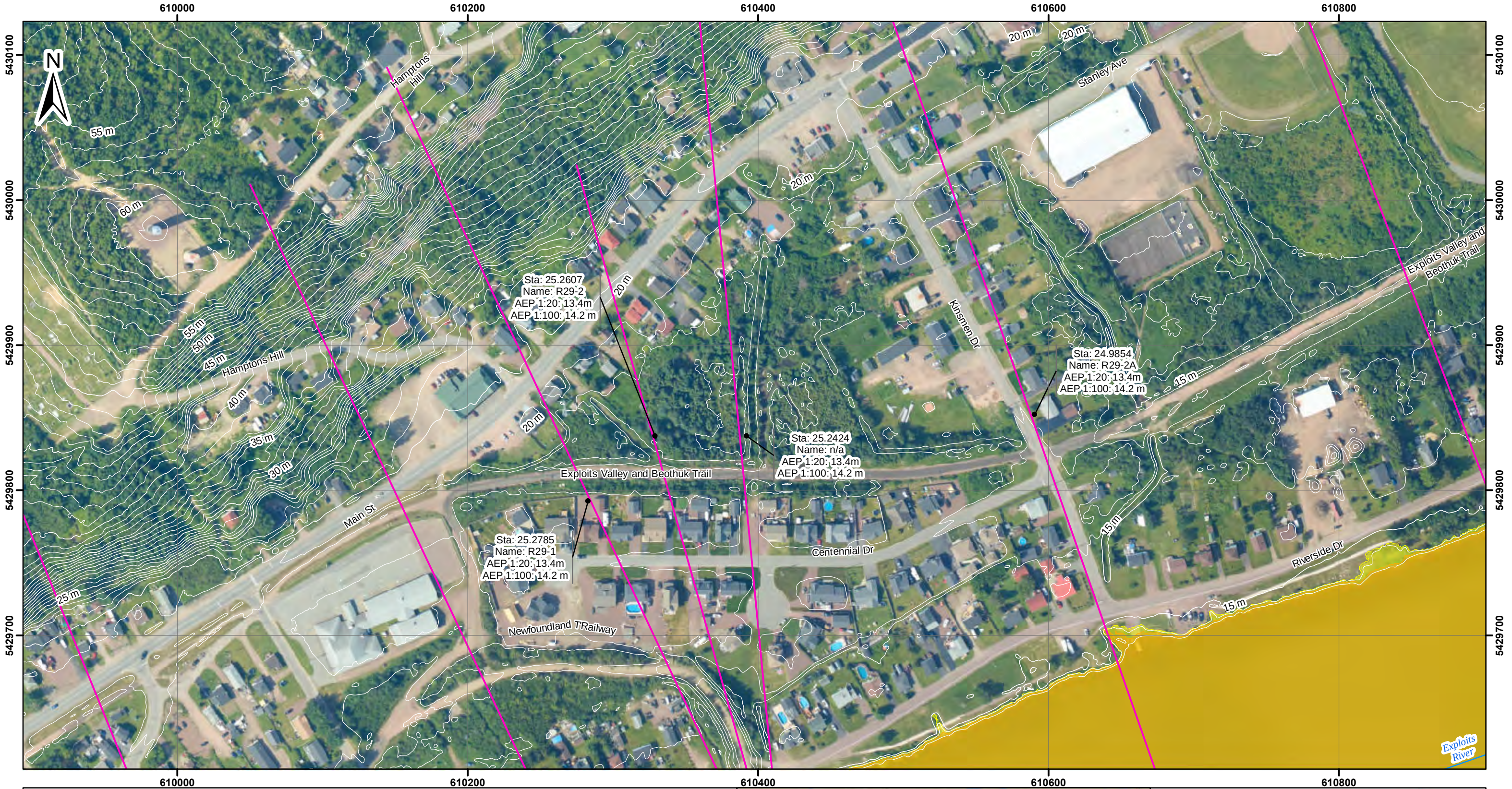
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566



Legend

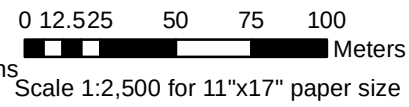
- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

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.

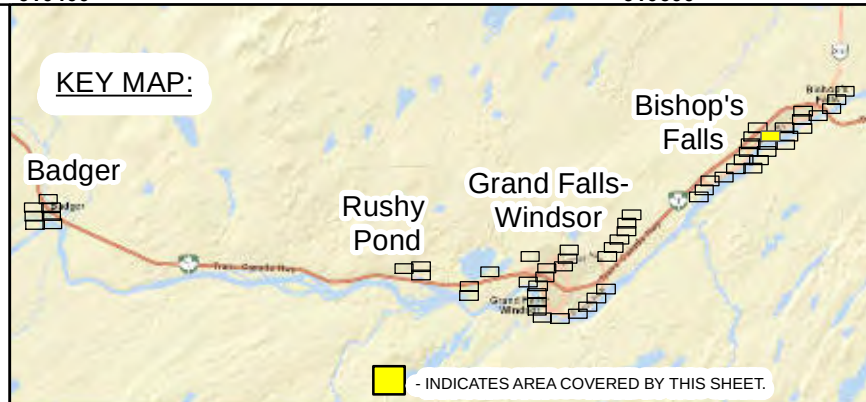
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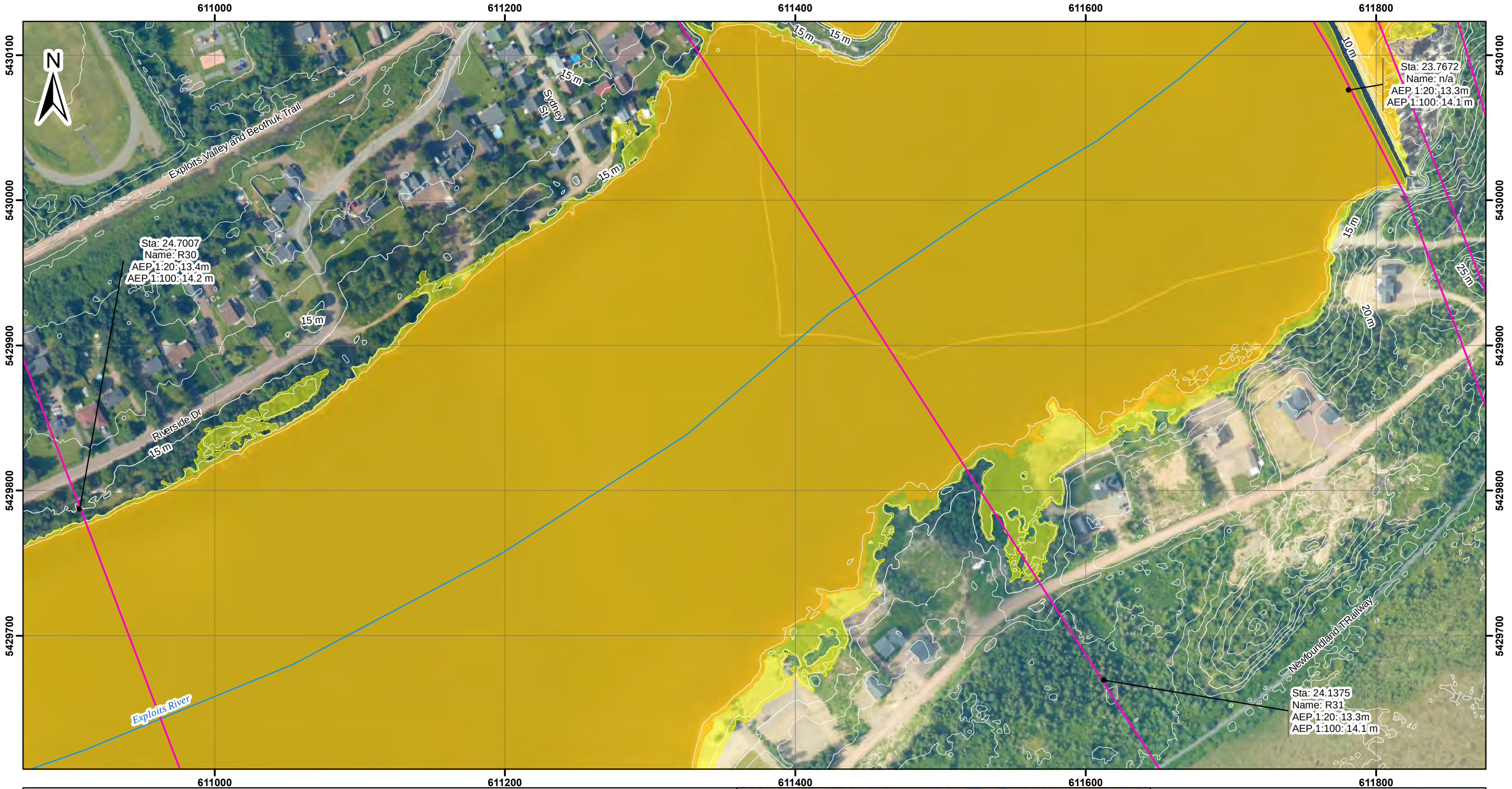


Cross Sections

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #1	
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE	
CURRENT CLIMATE	
DETAIL MAP	
DATE: 05/17/2021	Page 51 of 61
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Legend

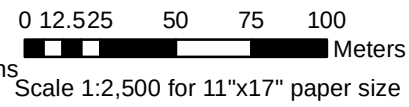
- 1:20 AEP Flood Zone Current Conditions
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- Watercourse Centerline
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Overland Flooding

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.

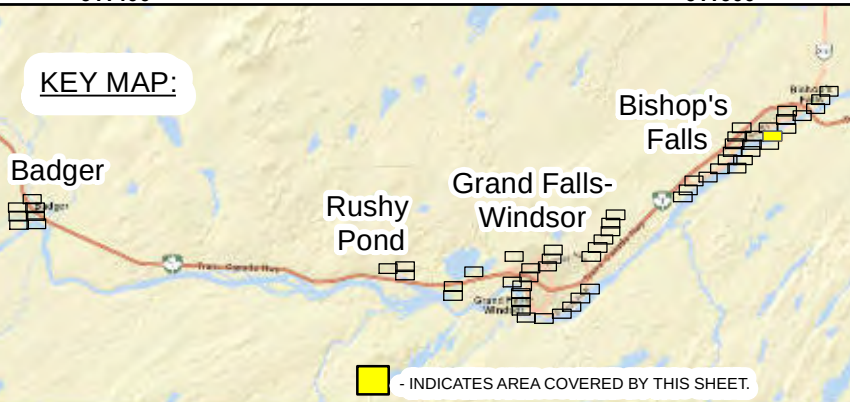
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Cross Sections

KEY MAP:

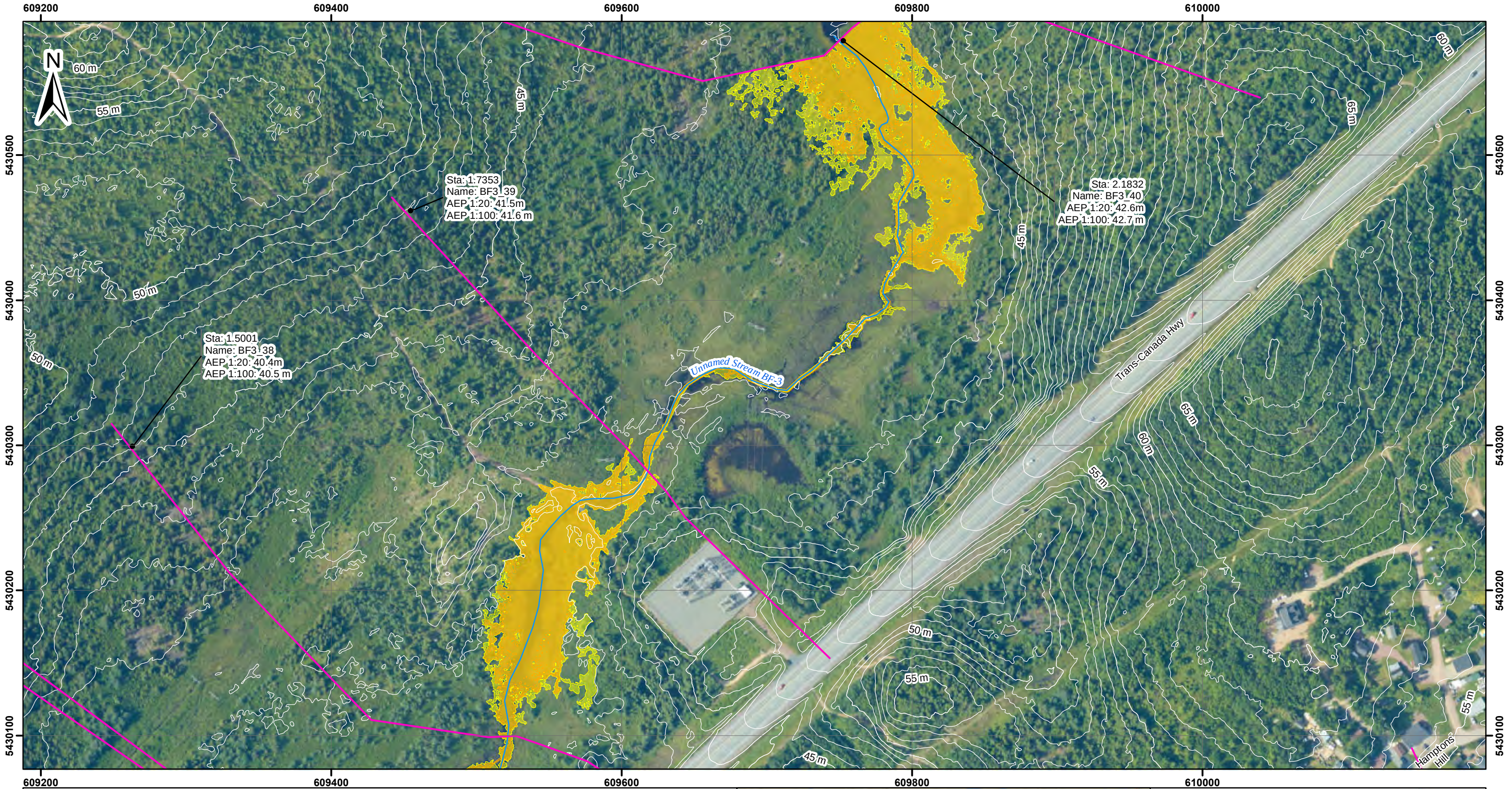




WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY
MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

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

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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station



Sta: Station
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AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

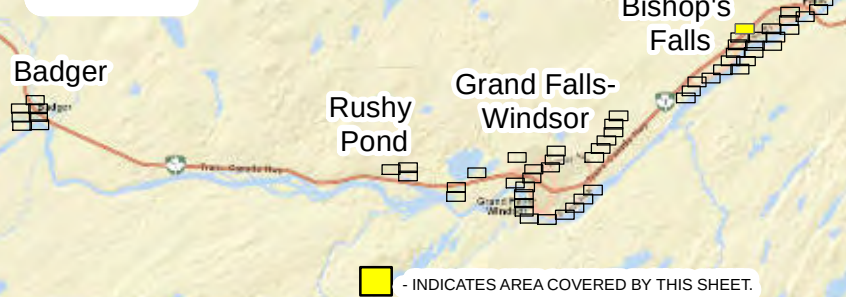
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0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

Cross Sections

KEY MAP:



HATCH

Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

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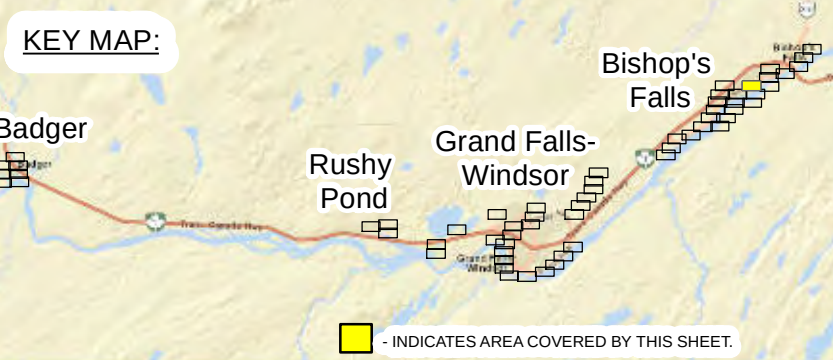
- Legend**
- 1:20 AEP Flood Zone Current Conditions
 - 1:100 AEP Flood Zone Current Conditions
 - Watercourse Centerline
 - 1 m Contours
 - Overland Flooding
 - Bridge
 - Culvert
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0 12.525 50 75 100 Meters
Scale 1:2,500 for 11"x17" paper size



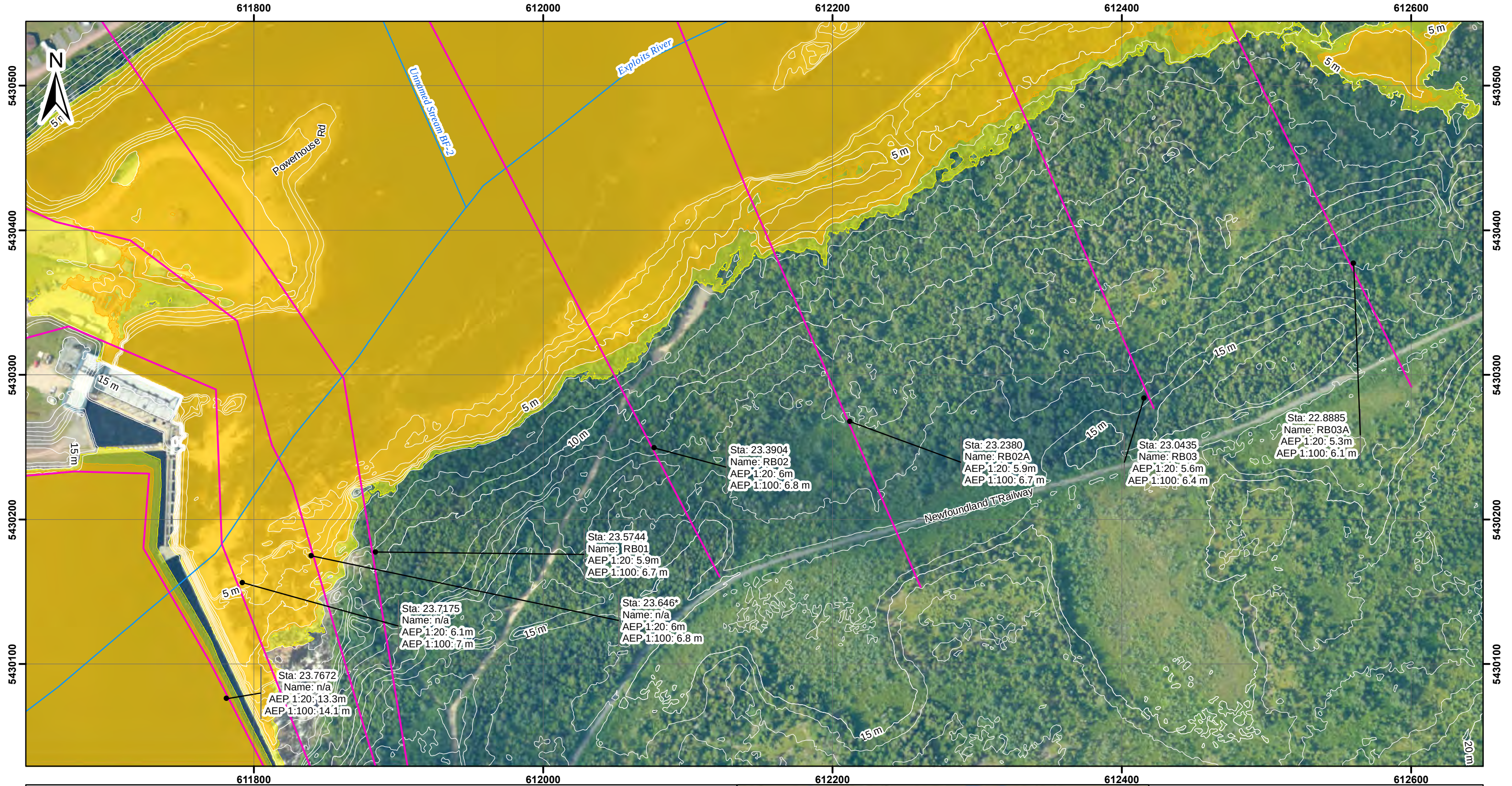


WATER RESOURCES MANAGEMENT DIVISION
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

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Legend

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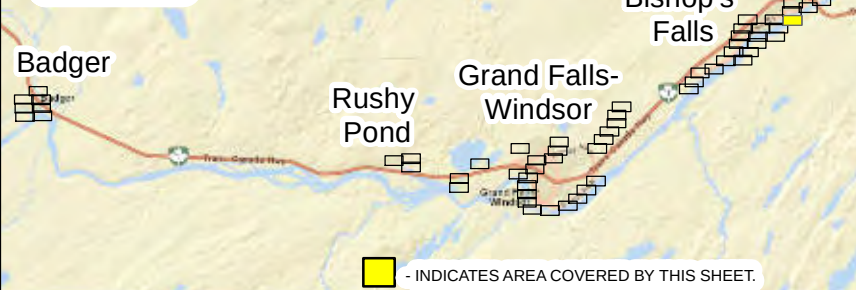
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0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

Cross Sections

KEY MAP:



HATCH

Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION

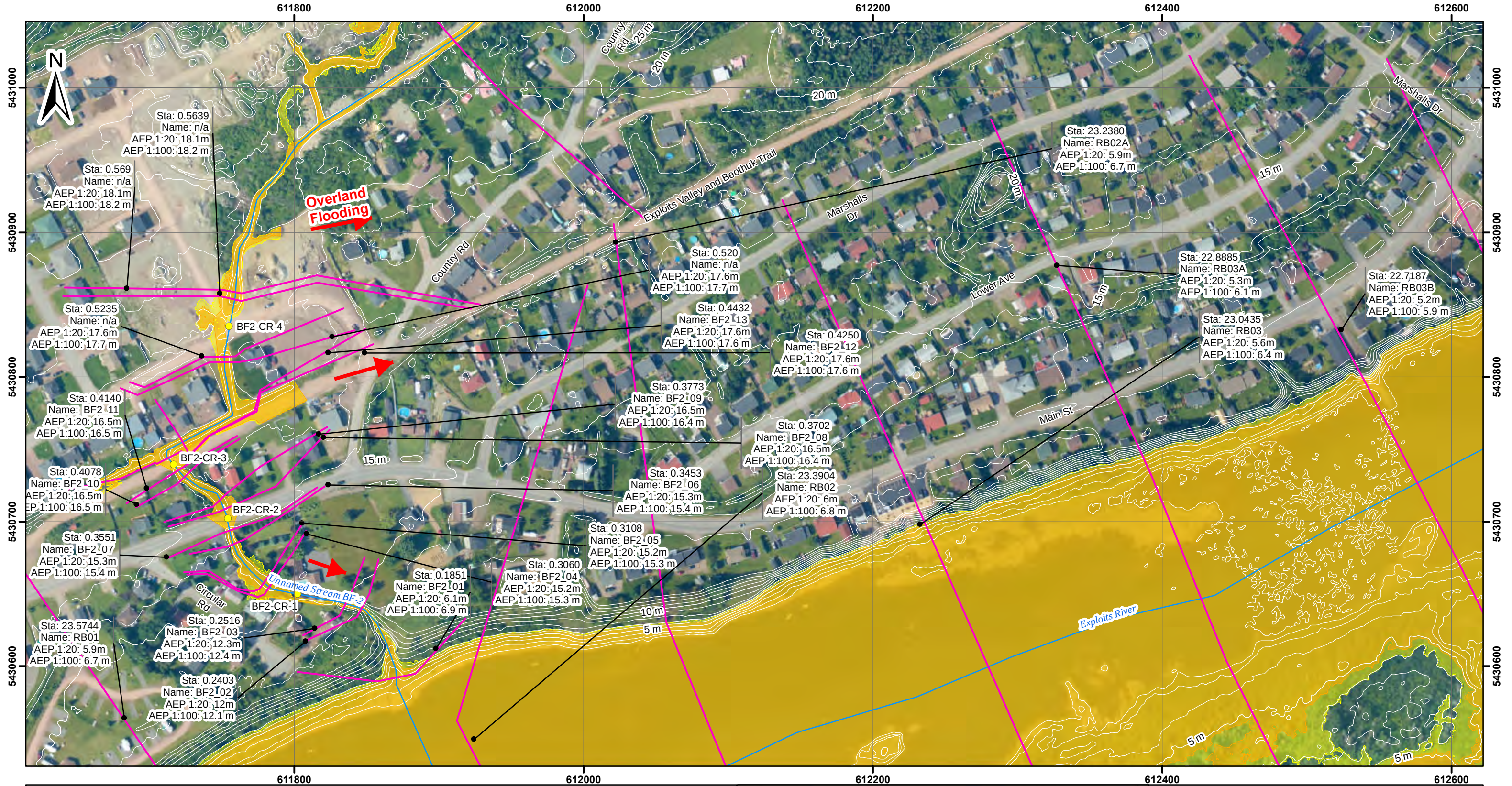
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

PROJECT #: H-358566

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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
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- 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.

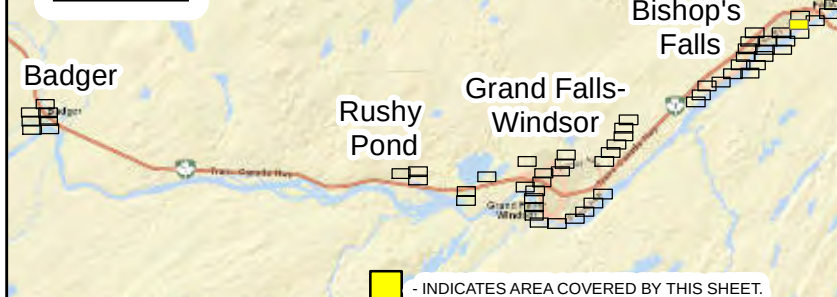
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Cross Sections

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HATCH

Newfoundland
Labrador

WATER RESOURCES MANAGEMENT DIVISION

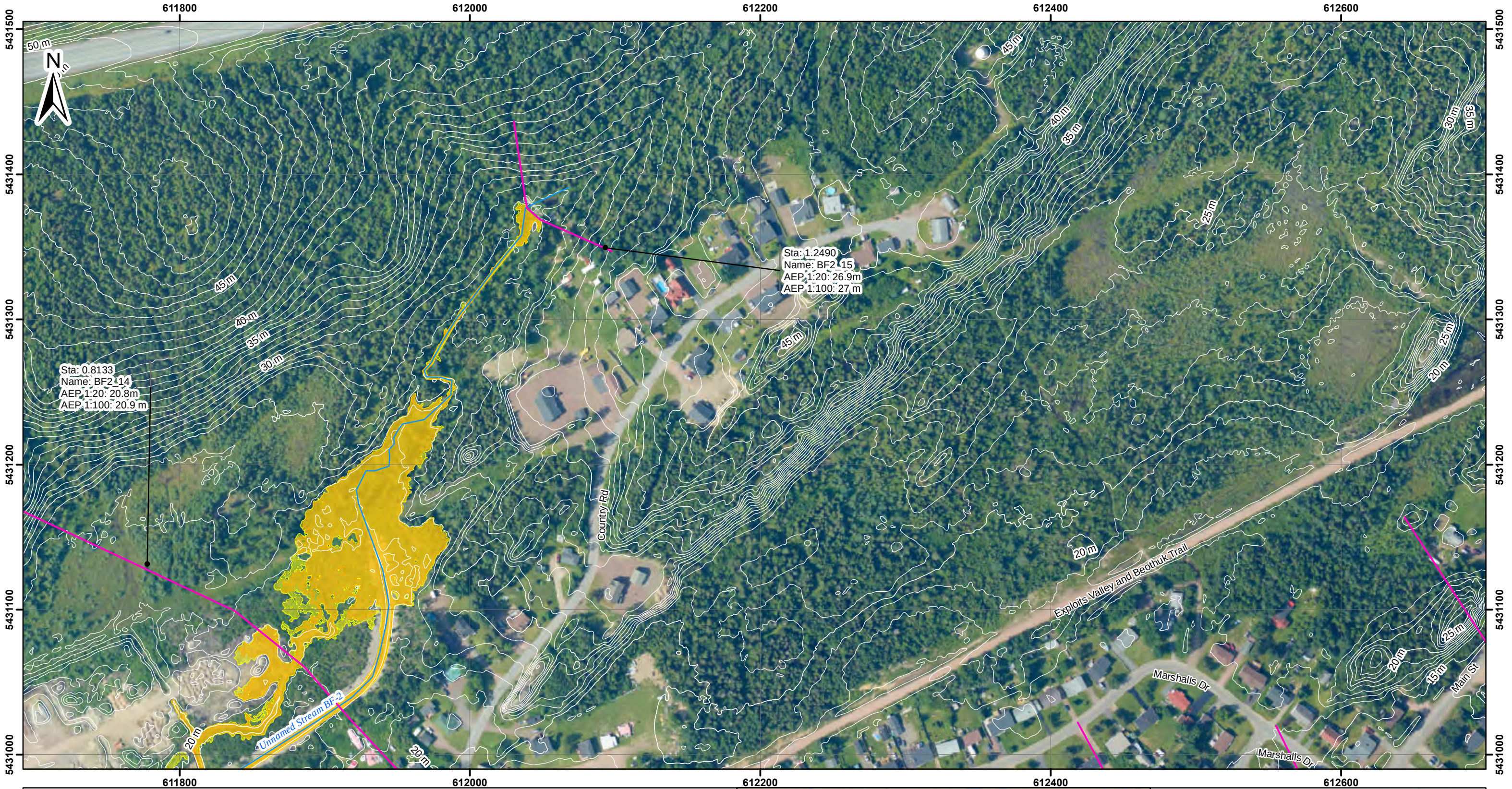
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

DATE: 05/17/2021

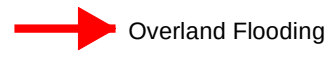
PROJECT #: H-358566

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Legend

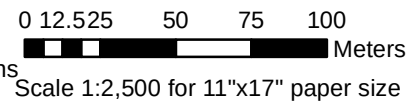
- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station



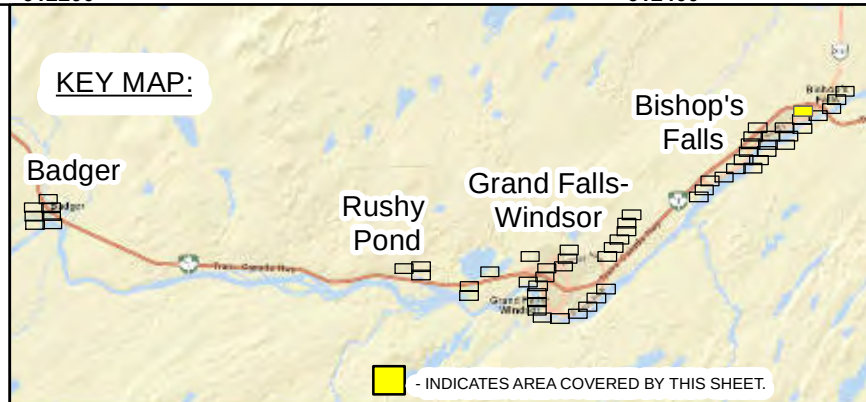
Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

NOTES:

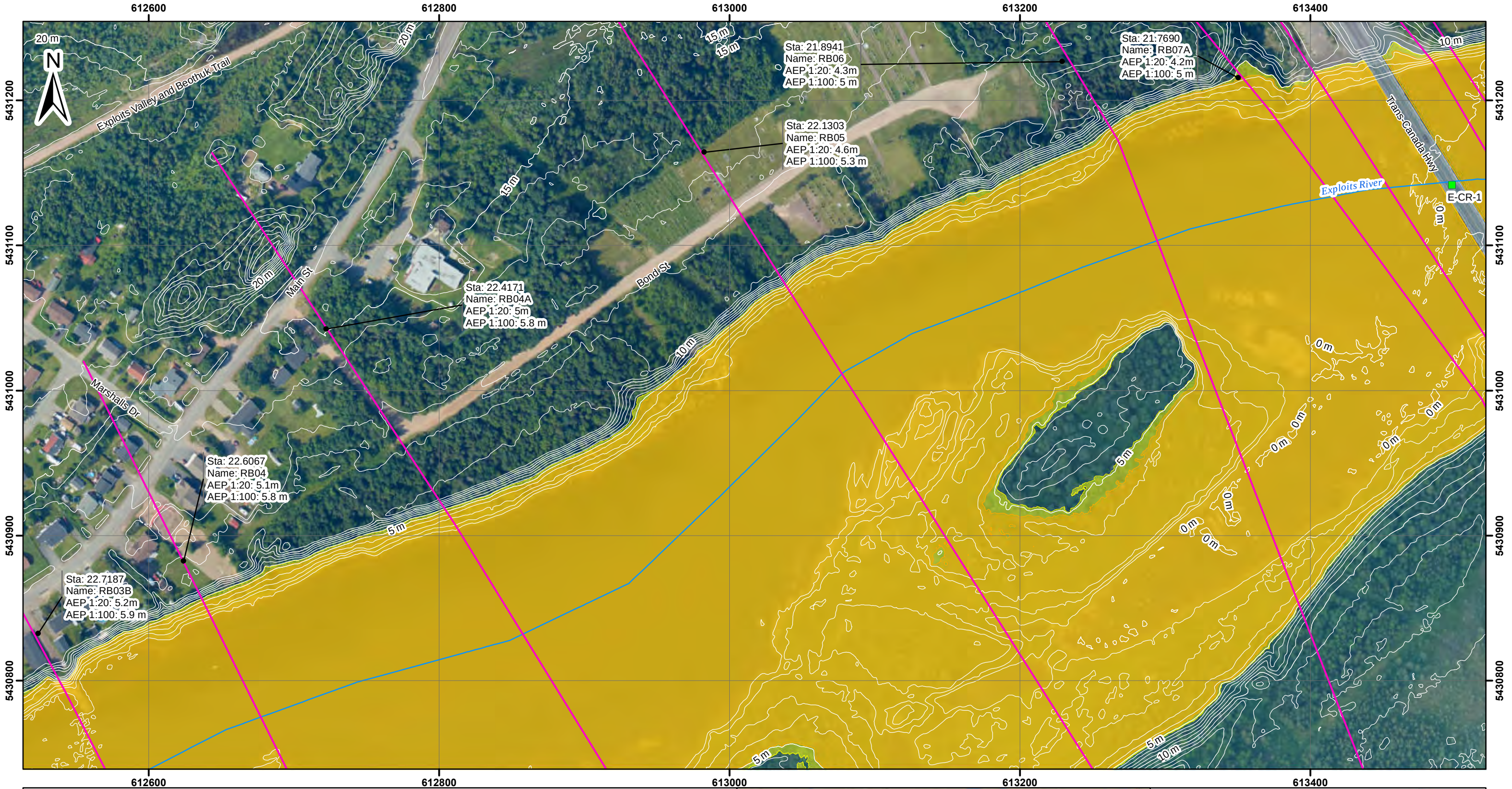
- Coordinates are based on the Universal Transverse Mercator Projection, North American Datum 1983, Zone 21N. Elevation data is based on the Canadian Geodetic Vertical Datum (CGVD) 2013.
- Lidar data by Leading Edge Geomatics Aug. 15-16, 2019.
- Aerial imagery in project area by Leading Edge Geomatics Jul. 25-26, 2019.
- Topographic map and world imagery outside project area by ESRI.



KEY MAP:

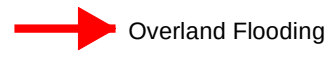


WATER RESOURCES MANAGEMENT DIVISION	
EXPLOITS RIVER FLOOD RISK MAPPING STUDY	
MAP SET #1	
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE	
CURRENT CLIMATE	
DETAIL MAP	
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Legend

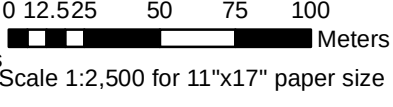
- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station



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.

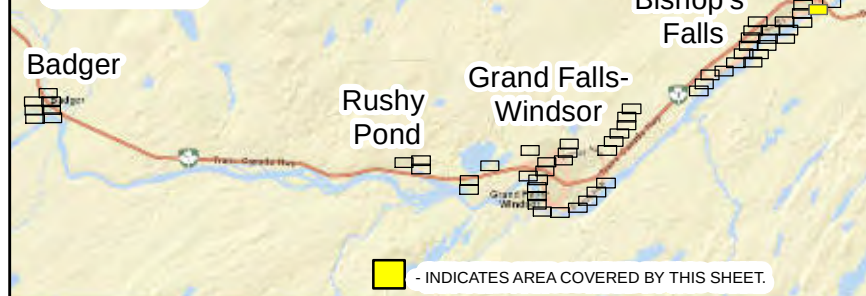
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Cross Sections

KEY MAP:



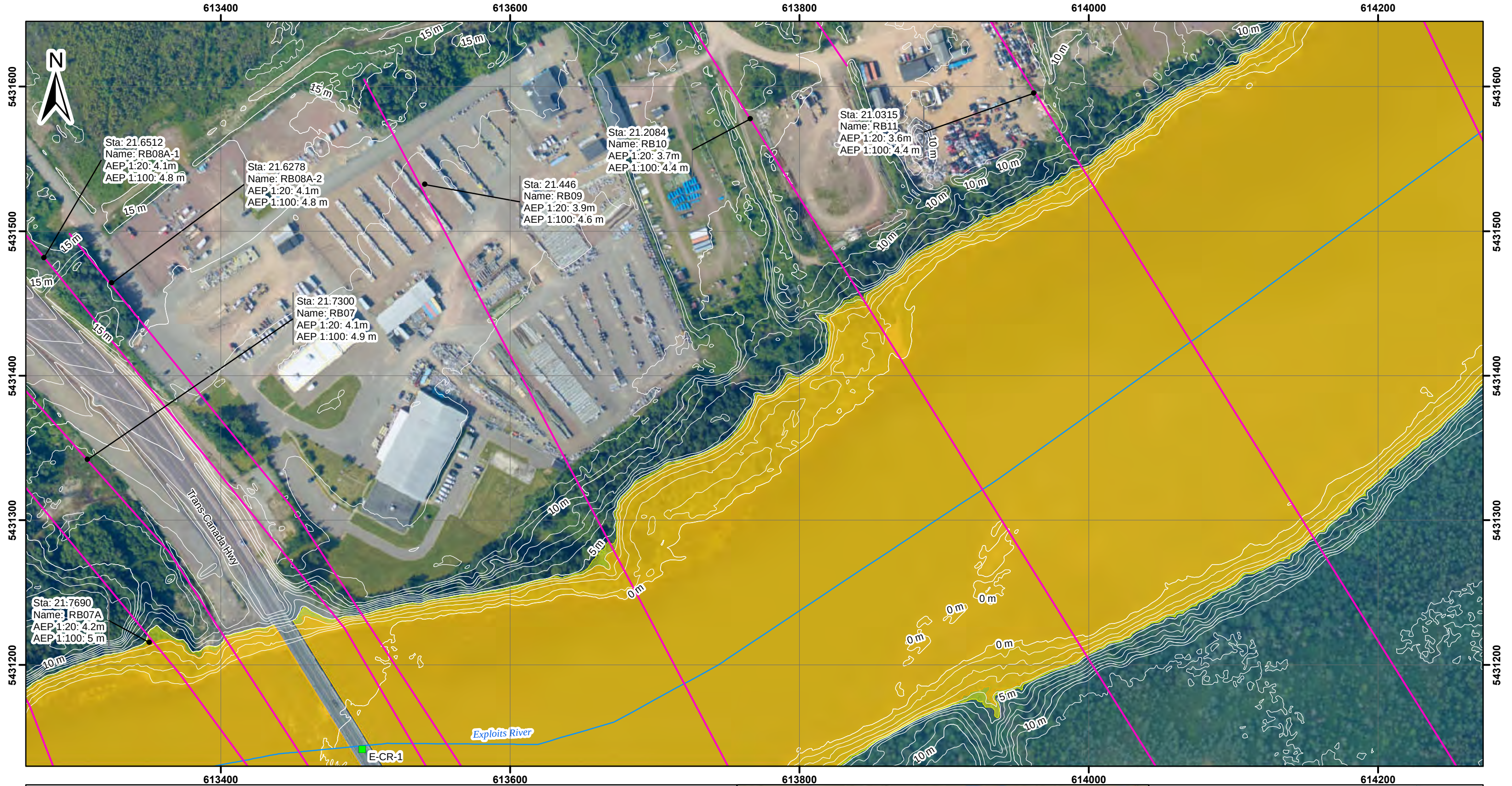
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
CURRENT CLIMATE
DETAIL MAP

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Legend

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- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station



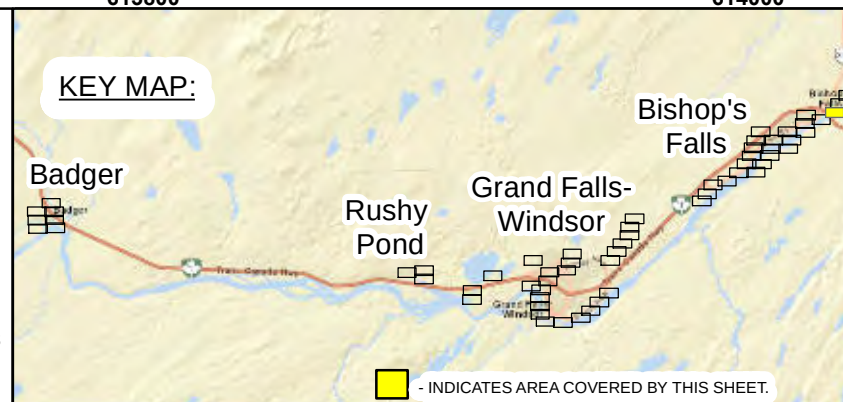
Sta: Station
Name: Survey ID (n/a if not surveyed)
AEP 1:20: 1:20 Water Surface El.
AEP 1:100: 1:100 Water Surface El.

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

KEY MAP:



HATCH



WATER RESOURCES MANAGEMENT DIVISION

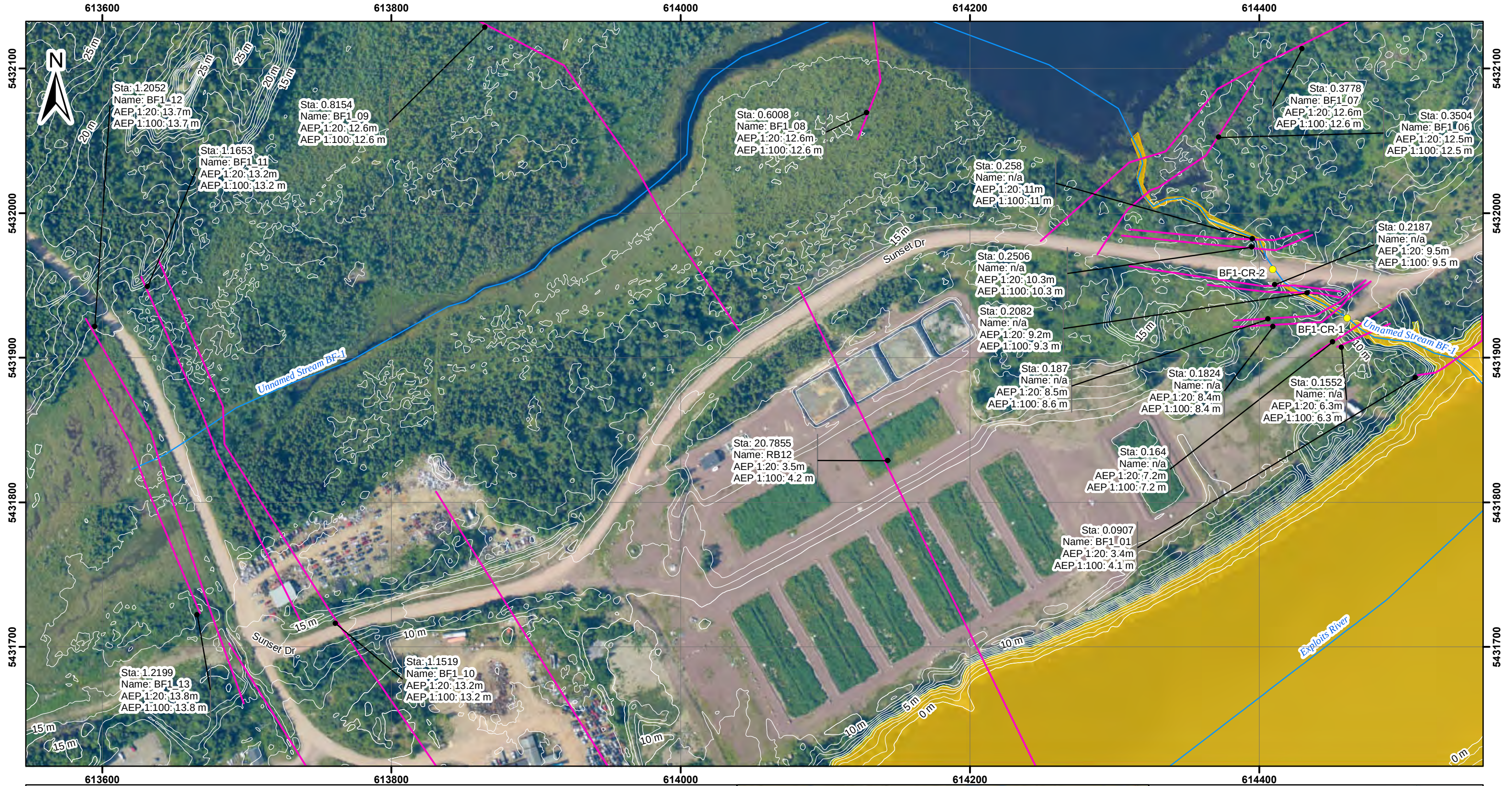
EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #1
FLOOD EXTENT MAP - ICE AND OPEN WATER COMPOSITE
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Legend

- 1:20 AEP Flood Zone Current Conditions
- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- 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.

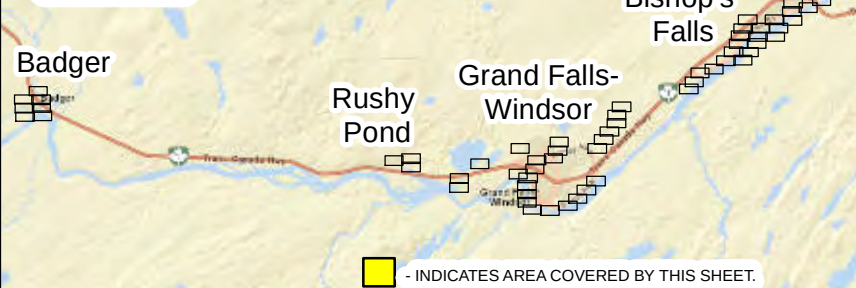
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0 12.525 50 75 100
Meters
Scale 1:2,500 for 11"x17" paper size

Cross Sections

KEY MAP:



WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

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CURRENT CLIMATE
DETAIL MAP

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Legend

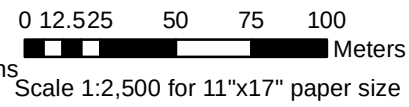
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- 1:100 AEP Flood Zone Current Conditions
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

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.

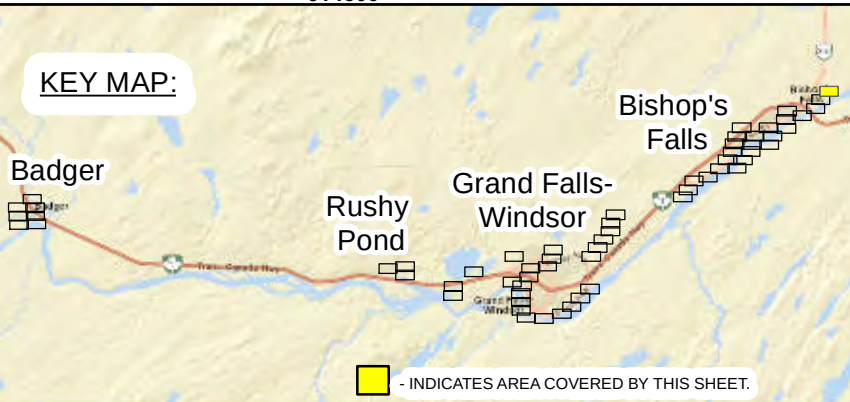
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Cross Sections

KEY MAP:



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