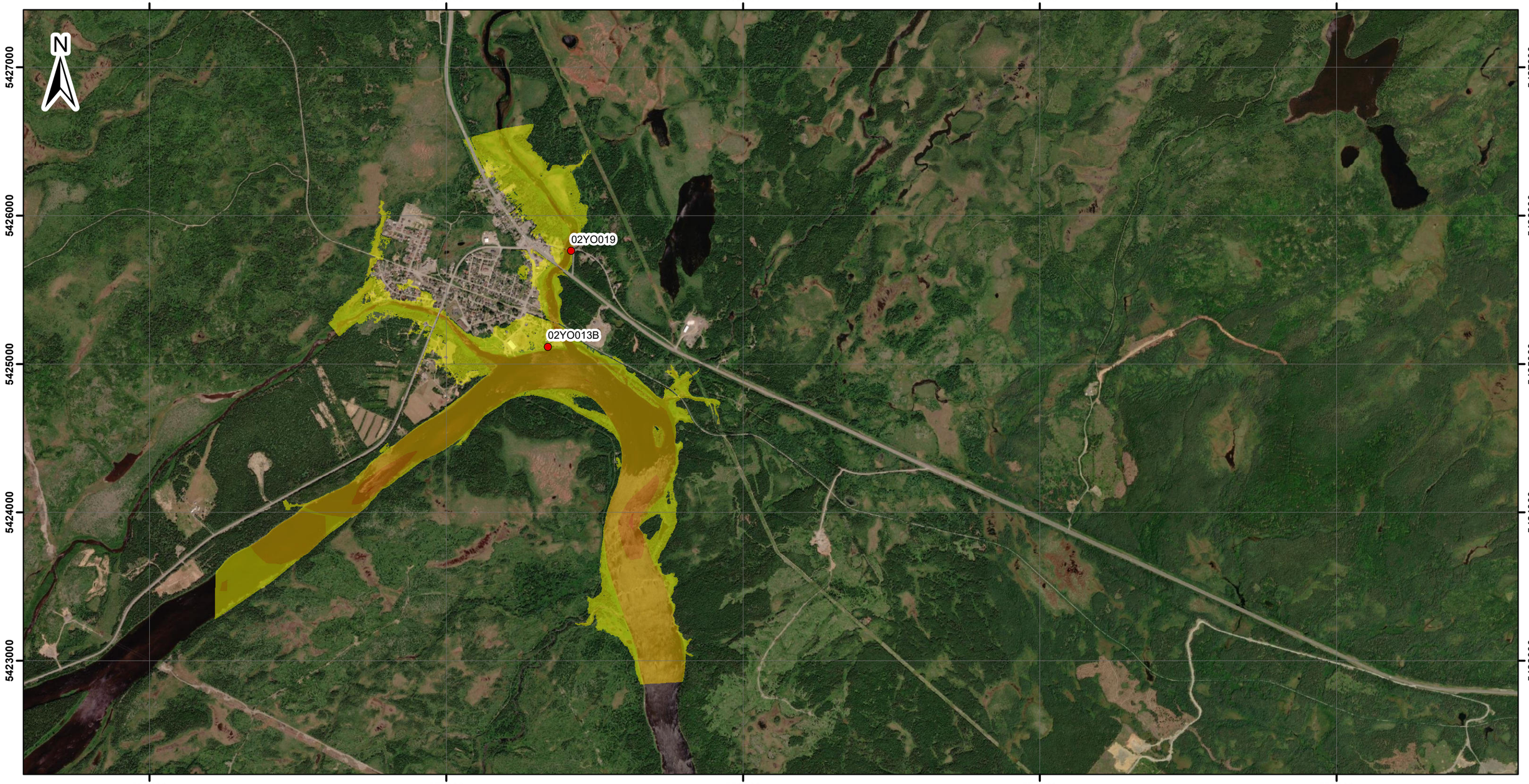
Appendix F.7: Map Set 7 – Flood Velocity – Current Climate – 1:20 AEP



Legend

Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Hydrometric Station

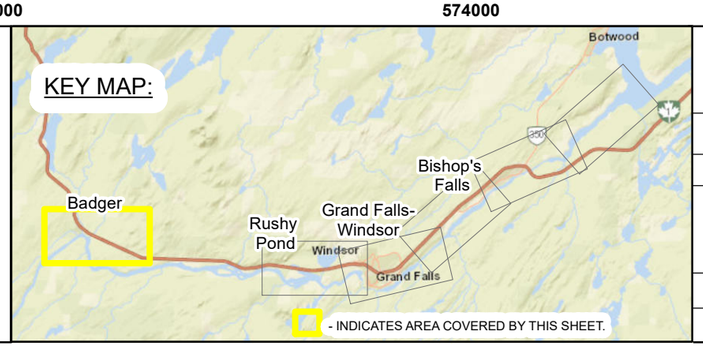
NOTES:

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

KEY MAP:



HATCH

Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
OVERVIEW MAP

DATE: 05/17/2021

PROJECT #: H-358566

588000 590000 592000 594000 596000 598000

5424000 5423000 5422000 5421000 5420000

02YO018

Legend

Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Hydrometric Station

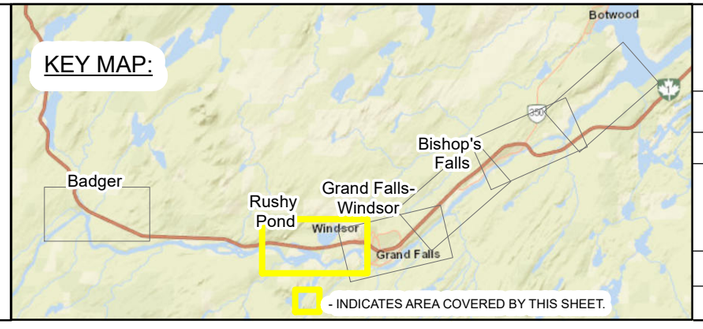
NOTES:

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

KEY MAP:



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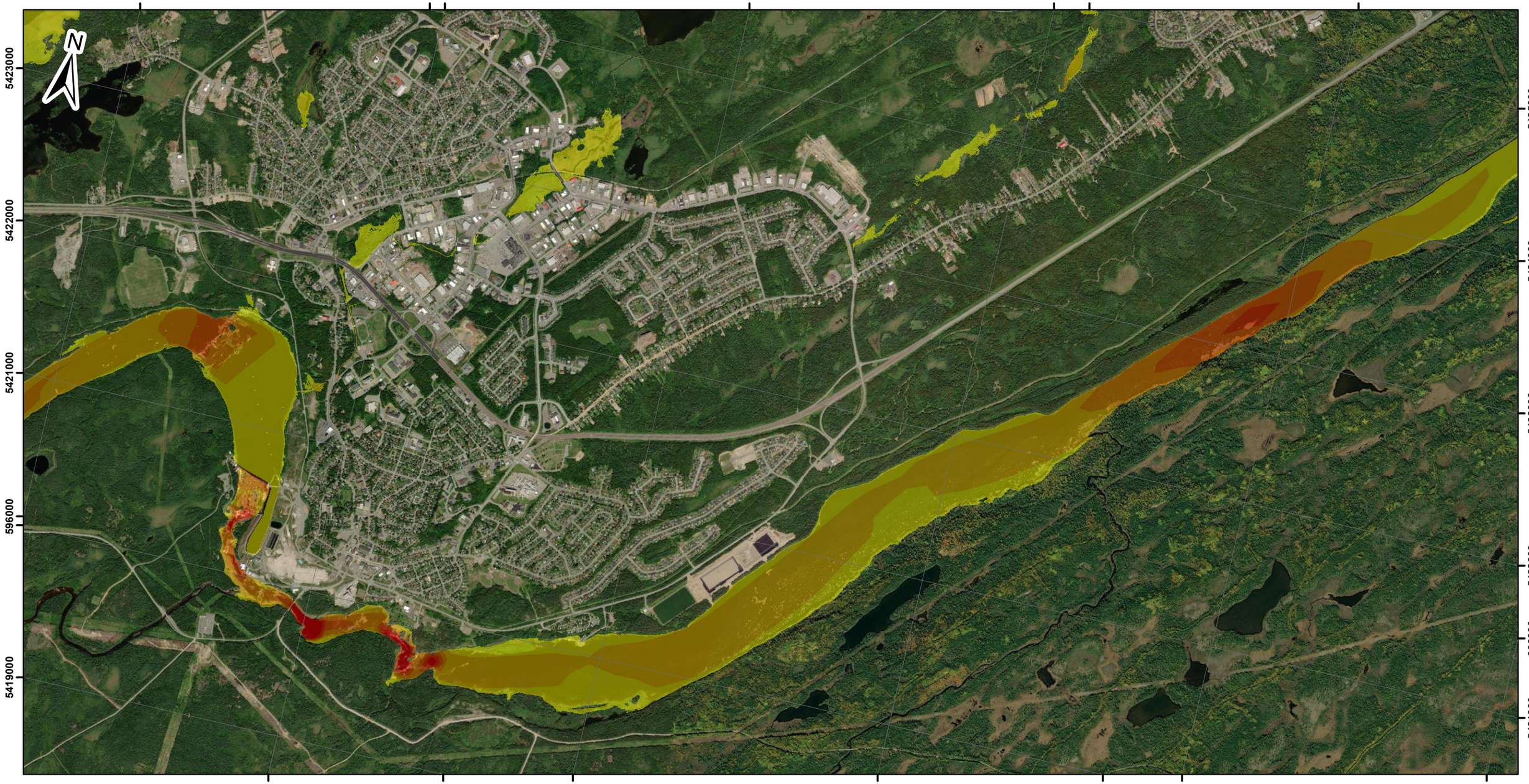
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
OVERVIEW MAP

DATE: 05/17/2021

PROJECT #: H-358566



Legend

Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Hydrometric Station

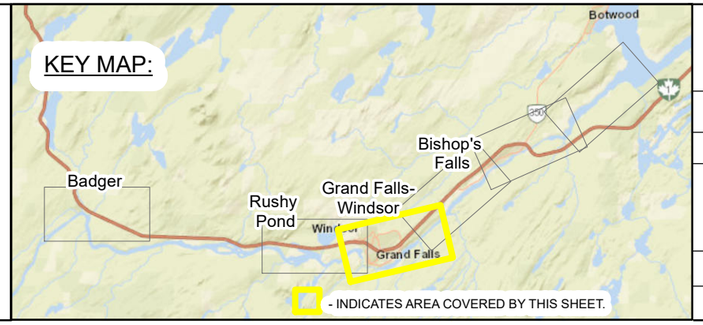
NOTES:

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

KEY MAP:



HATCH

Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
OVERVIEW MAP

DATE: 05/17/2021

PROJECT #: H-358566

5426000 602000 5427000 604000 5429000 606000 5430000 5431000 608000

5425000 5424000 5423000 5422000 604000

5431000 610000 5429000 5428000

NLENHM0003

5422000 606000 5424000 608000 5425000 5426000 610000 5427000

Legend

Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Hydrometric Station

NOTES:

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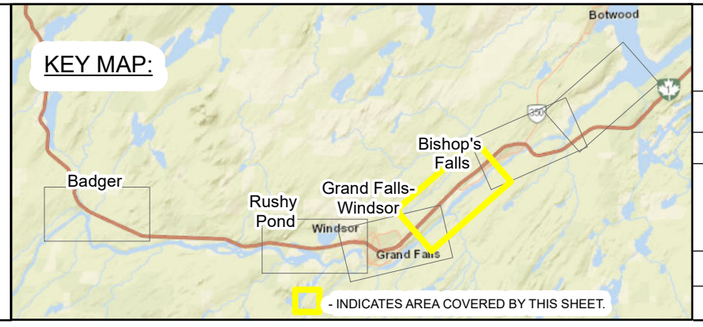
2. Aerial imagery and topographic map by ESRI.

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

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

KEY MAP:



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WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
OVERVIEW MAP

DATE: 05/17/2021

PROJECT #: H-358566

608000 610000 5433000 612000 5434000 614000 5435000 616000

608000 5431000 5430000 5429000 5428000

5435000 5434000 618000 5433000 5432000

610000 5428000 612000 614000 616000 5430000 618000 5431000

NLENHM0003

Legend

Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Hydrometric Station

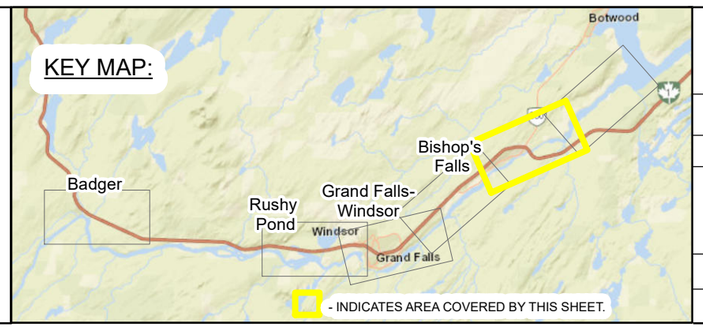
NOTES:

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

KEY MAP:



HATCH

Newfoundland Labrador

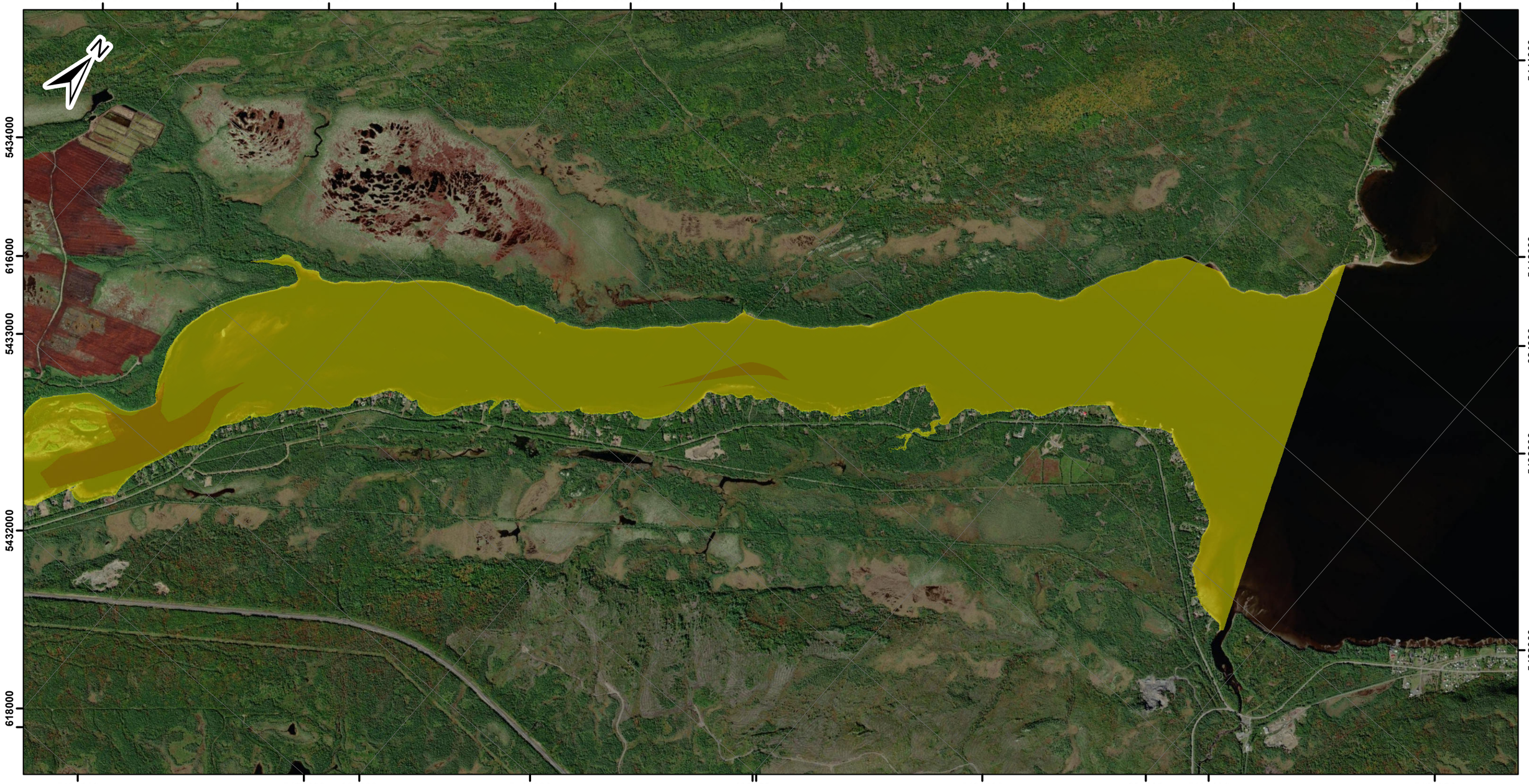
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
OVERVIEW MAP

DATE: 05/17/2021

PROJECT #: H-358566



Legend

Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Hydrometric Station

NOTES:

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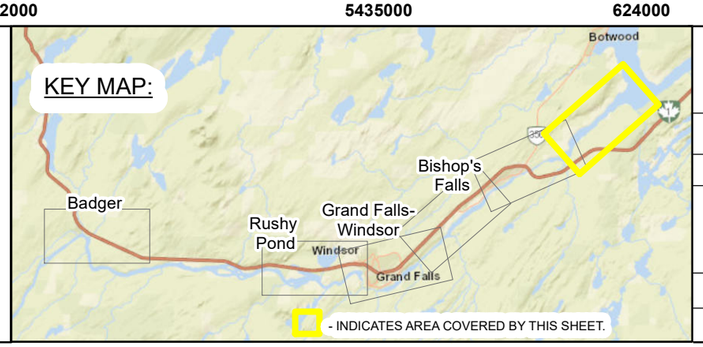
0 250 500 1,000 1,500 2,000 Meters

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 #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
OVERVIEW MAP

DATE: 05/17/2021

PROJECT #: H-358566

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

- Overland Flooding
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

Sta: Station
Name: Survey ID (n/a if not surveyed)

- Cross Sections

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.
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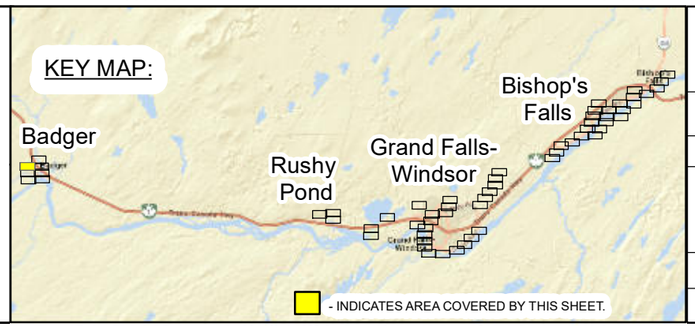
3. Aerial imagery in project area by Leading Edge Geomatics Jul. 25-26, 2019.
4. Topographic map and world imagery outside project area by ESRI.

0 15 30 60 90 120
Meters

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

KEY MAP:



- INDICATES AREA COVERED BY THIS SHEET.

HATCH

Newfoundland Labrador

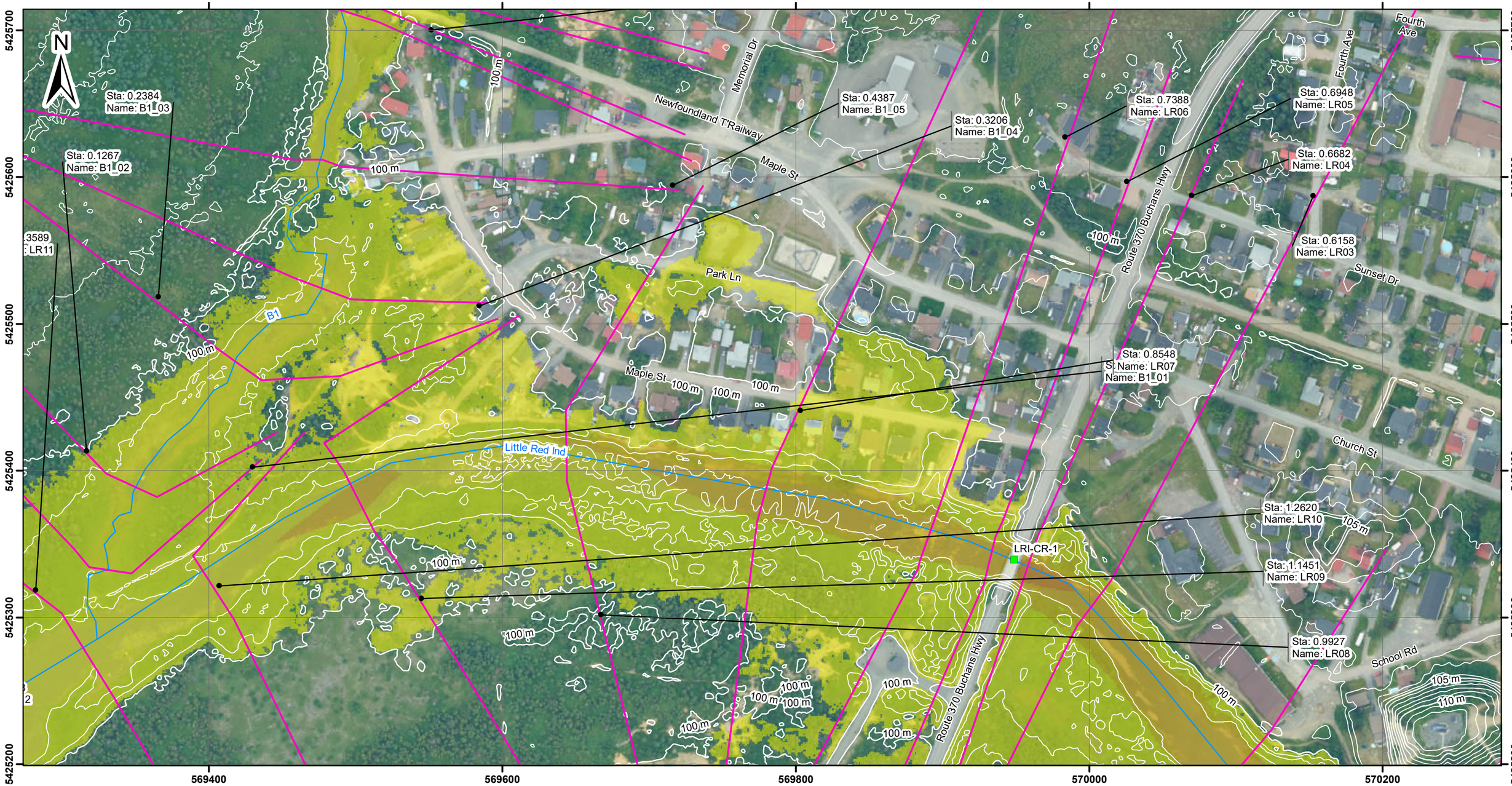
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566



Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

- Overland Flooding
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

Sta: Station
Name: Survey ID (n/a if not surveyed)

- Cross Sections

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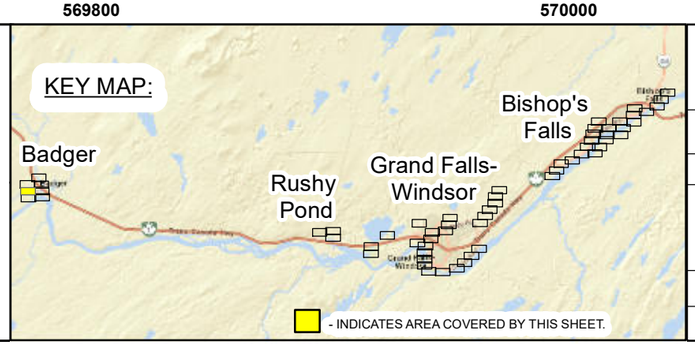
0 15 30 60 90 120 Meters

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

KEY MAP:



- INDICATES AREA COVERED BY THIS SHEET.

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Newfoundland Labrador

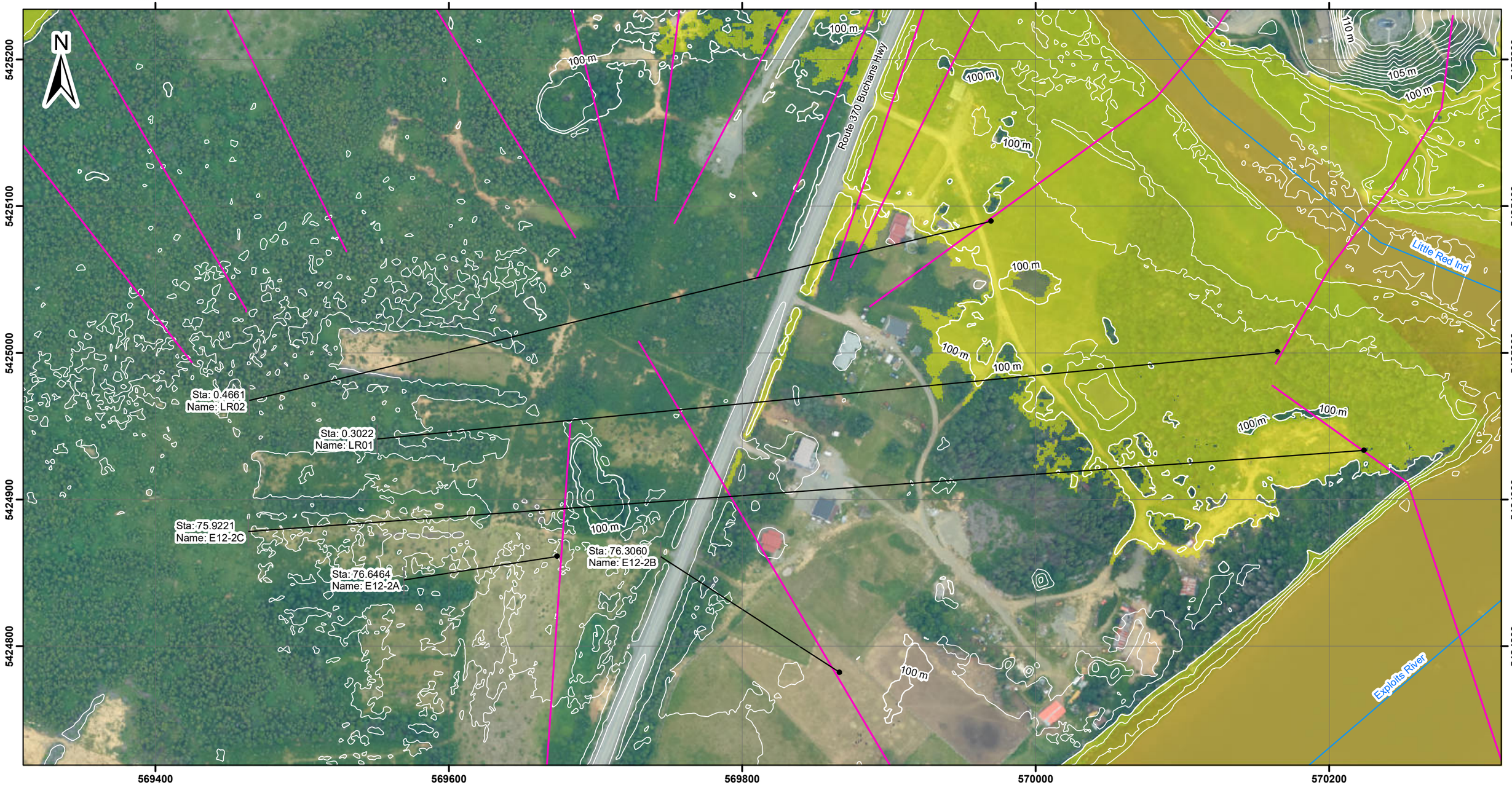
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566



Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

- Overland Flooding
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

Sta: Station
Name: Survey ID (n/a if not surveyed)

- Cross Sections

NOTES:

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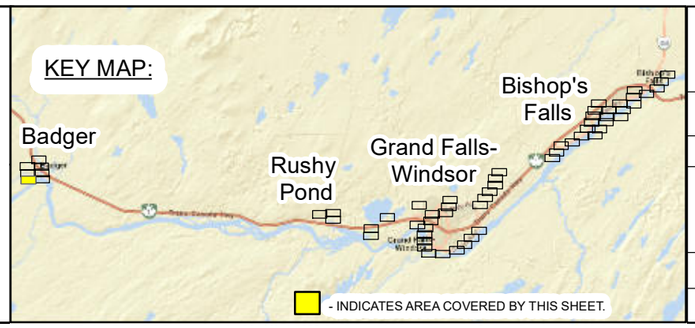
0 15 30 60 90 120 Meters

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



HATCH

Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

570200 570400 570600 570800 571000

5426600 5426500 5426400 5426300 5426200

N

Sta: 1.9217
Name: BB06A

Sta: 1.7167
Name: BB05

Sta: 1.4957
Name: BB05A

110 m
105 m
100 m

Trans-Canada Hwy

Badger Brk

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
Name: Survey ID (n/a if not surveyed)
Cross Sections

NOTES:

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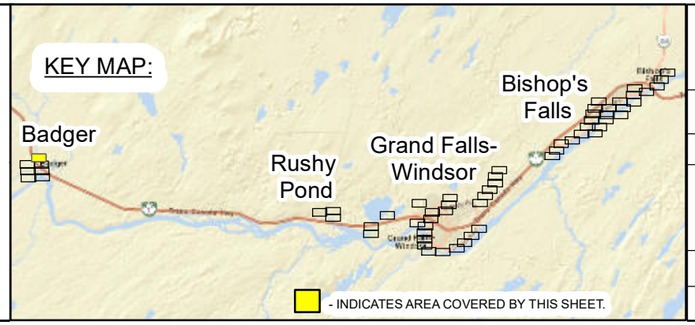
4. Topographic map and world imagery outside project area by ESRI.

0 15 30 60 90 120 Meters

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

KEY MAP:



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Newfoundland Labrador

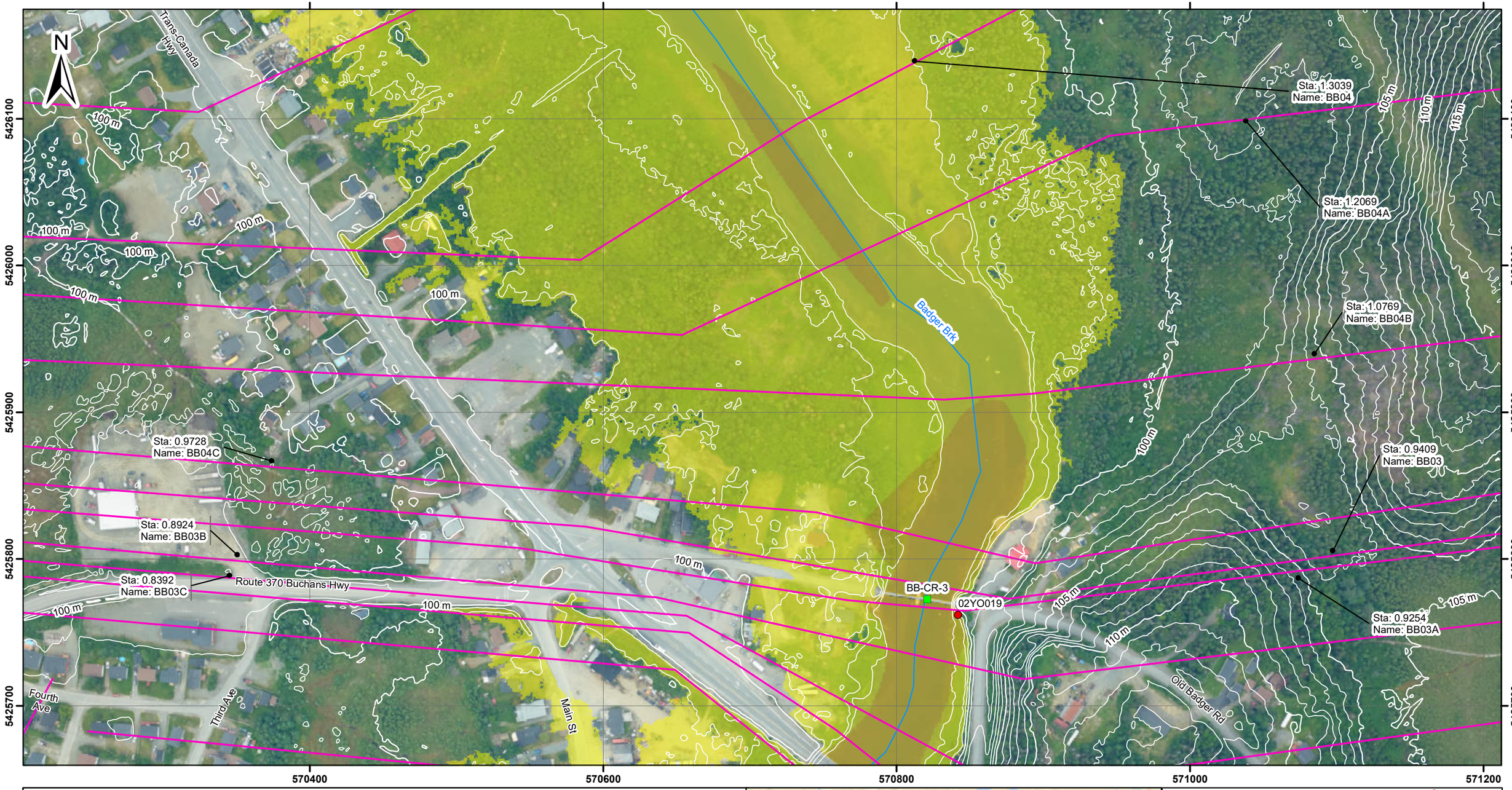
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566



Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

- Overland Flooding
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

Sta: Station
Name: Survey ID (n/a if not surveyed)

- Cross Sections

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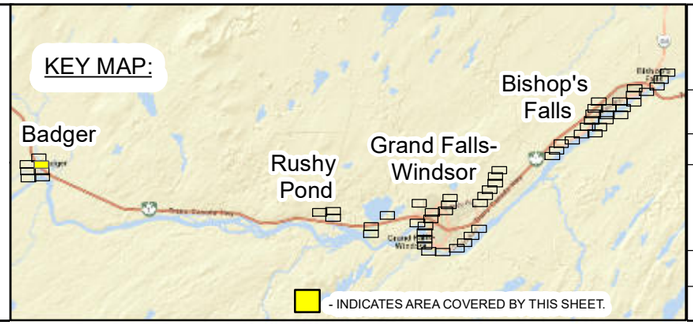
0 15 30 60 90 120 Meters

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

KEY MAP:



- INDICATES AREA COVERED BY THIS SHEET.

HATCH

Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

570400 570600 570800 571000 571200

5425700 5425600 5425500 5425400 5425300

N

Fourth Ave
Third Ave
Second Ave
First Ave
Main St
Sunset Dr
Church St
School Rd
River Rd
Beothuck St
Newfoundland T Railway
Badger Brk
Trans-Canada Hwy
Old Badger Rd

BB-CR-2
BB-CR-1

Sta: 0.7753
Name: BB02

Sta: 0.8126
Name: BB03D

Sta: 0.7210
Name: BB02A

Sta: 0.6184
Name: BB02B

Sta: 0.5224
Name: BB02C

Sta: 0.4442
Name: BB02D

Sta: 0.3917
Name: BB02E

Sta: 0.3082
Name: BB01A

Sta: 0.3658
Name: BB01

105 m
100 m
110 m

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
Name: Survey ID (n/a if not surveyed)
Cross Sections

NOTES:

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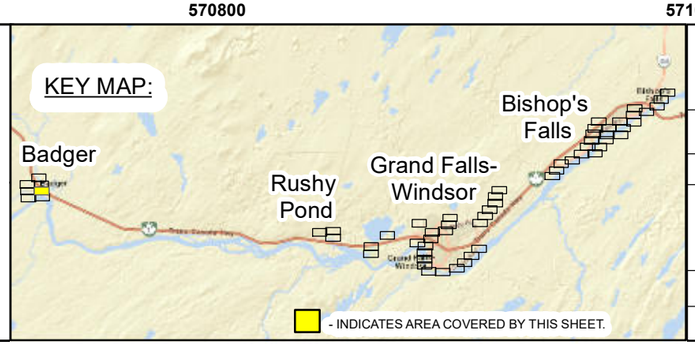
4. Topographic map and world imagery outside project area by ESRI.

0 15 30 60 90 120 Meters

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

KEY MAP:



HATCH

Newfoundland Labrador

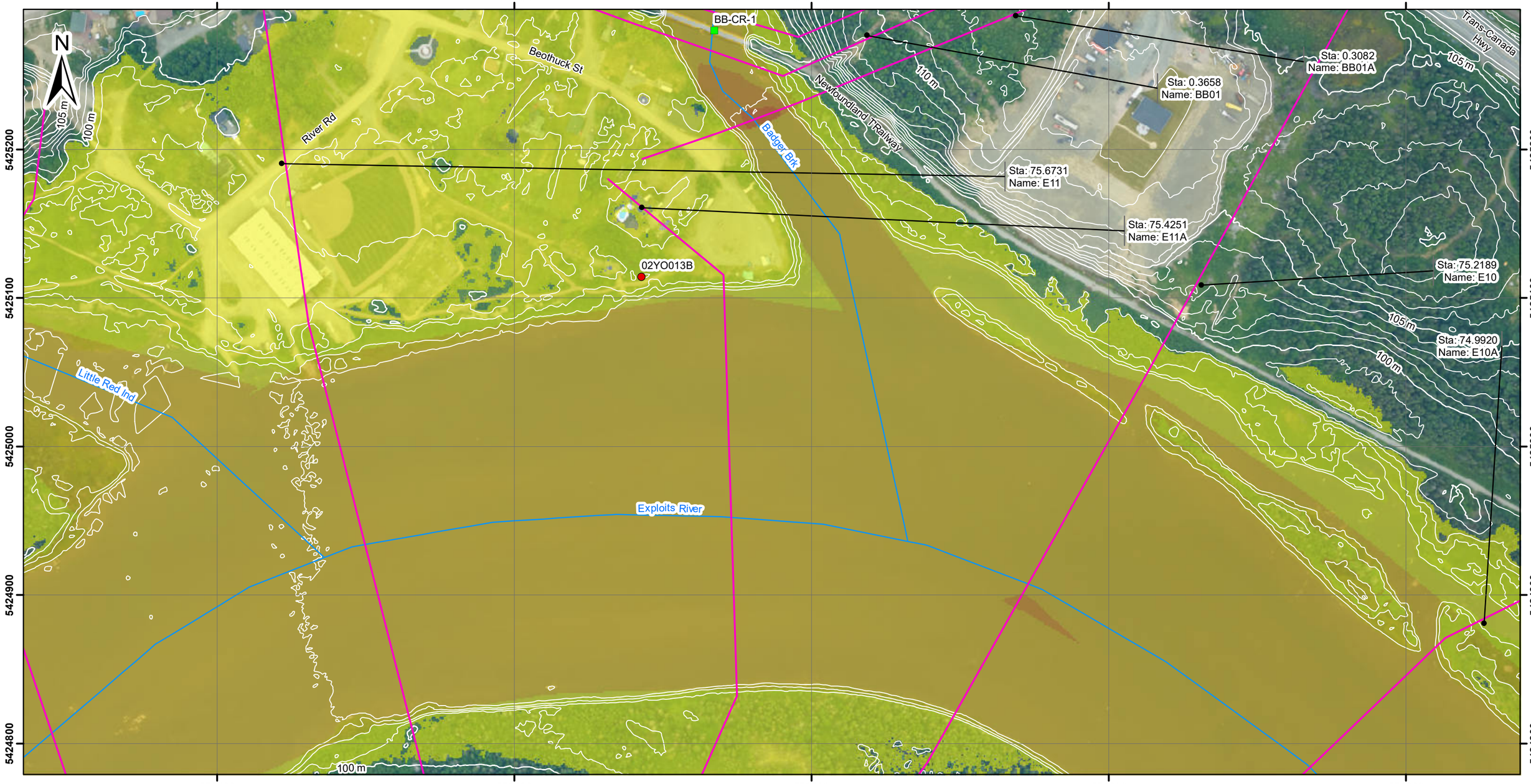
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566



Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

- Overland Flooding
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

Sta: Station
Name: Survey ID (n/a if not surveyed)

- Cross Sections

NOTES:

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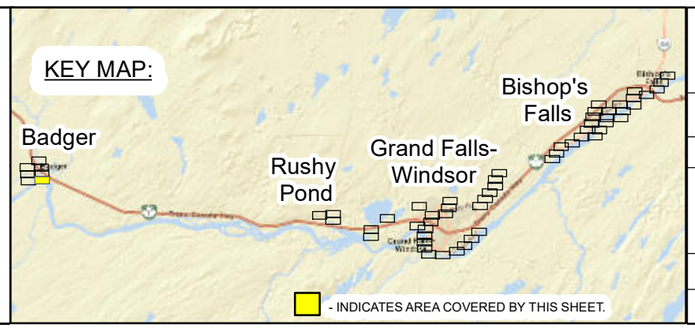
0 15 30 60 90 120 Meters

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



HATCH

Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

590800 591000 591200 591400 591600

5422900 5422800 5422700 5422600 5422500

N

95 m 90 m 80 m 75 m

Sta: 3.5404
Name: WB17

Sta: 3.7128
Name: WB19

Sta: 3.9102
Name: WB22

Sta: 3.7515
Name: WB21

Sta: 4.6443
Name: WB28

Sta: 4.4546
Name: WB27

WB-CR-5

Wigwam Brook

WB-CR-4

Sta: 3.4136
Name: WB16

Sta: 3.6981
Name: WB18

Sta: 3.7288
Name: WB20

Red Cliff Road

Newfoundland TRailway

Sta: 4.0688
Name: WB23

Sta: 4.3888
Name: WB24

Sta: 4.4012
Name: WB25

Sta: 4.4153
Name: WB26

590800 591000 591200 591400 591600

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
Name: Survey ID (n/a if not surveyed)
Cross Sections

NOTES:

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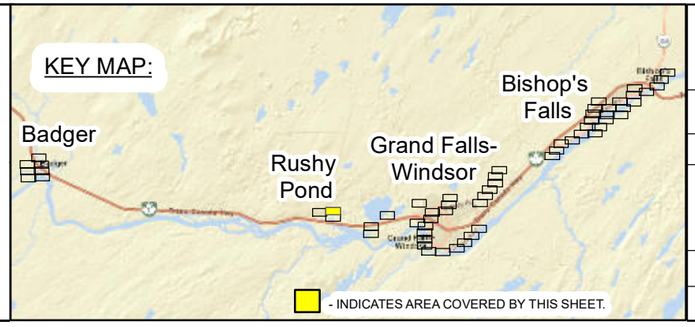
0 15 30 60 90 120 Meters

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

KEY MAP:



HATCH

Newfoundland Labrador

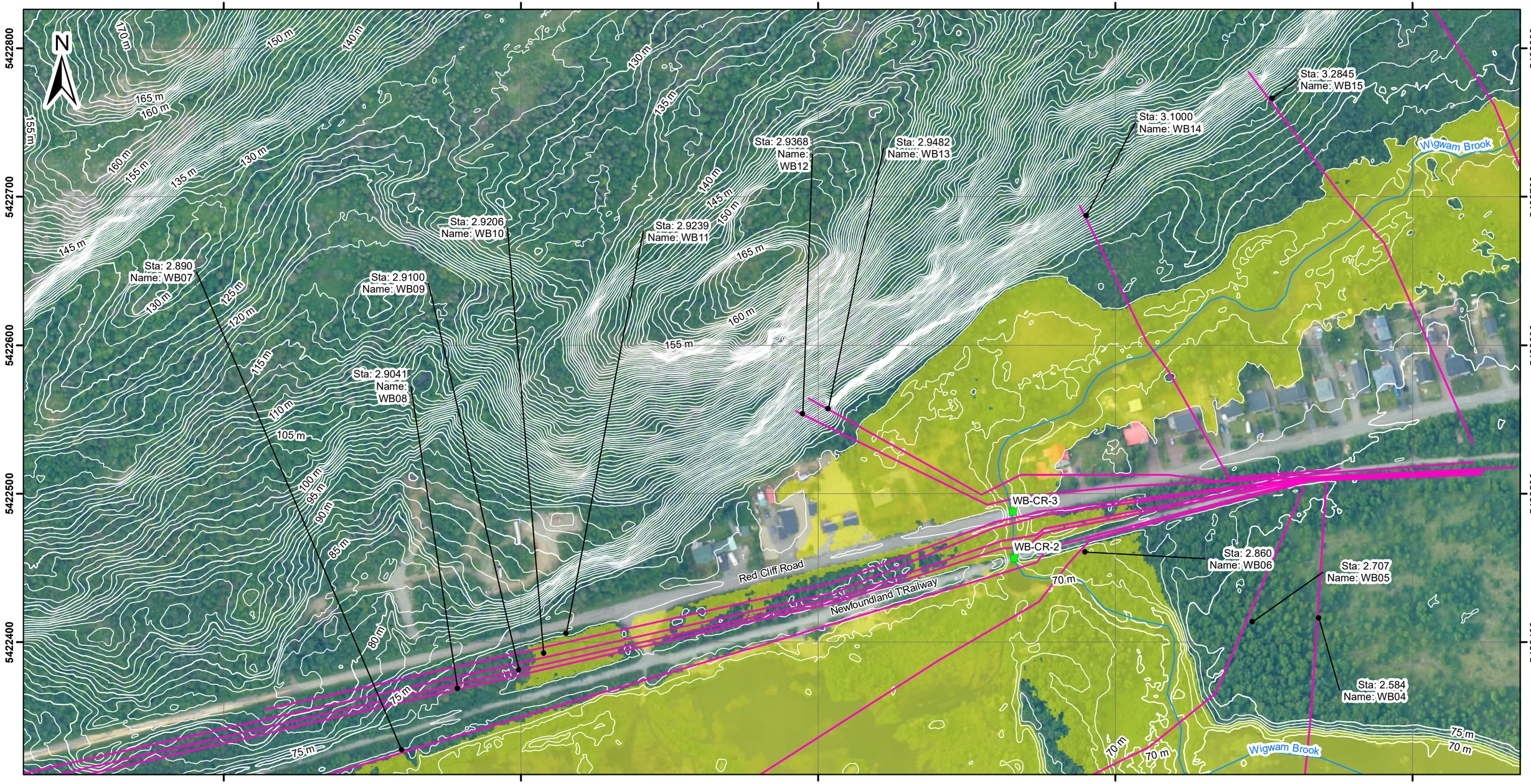
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566



Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

- Overland Flooding
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

Sta: Station
Name: Survey ID (n/a if not surveyed)

- Cross Sections

NOTES:

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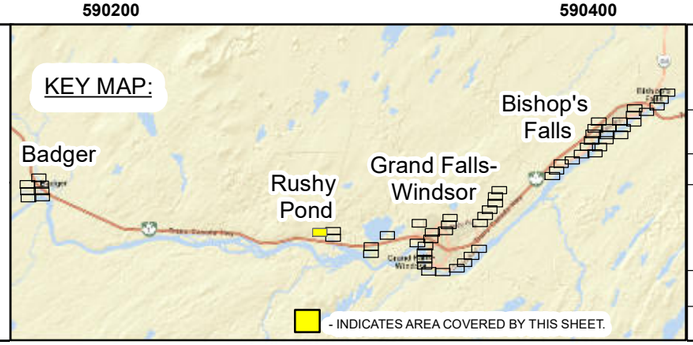
0 15 30 60 90 120 Meters

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

KEY MAP:



- INDICATES AREA COVERED BY THIS SHEET.

HATCH

Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

590600 590800 591000 591200 591400 591600

5422400 5422300 5422200 5422100 5422000

N

Sta: 2.491
Name: WB03

Sta: 2.379
Name: WB02

Sta: 2.289
Name: WB01

Sta: 1.905
Name: NA04

Newfoundland TRailway

Red Cliff Road

Wigwam Brook

75 m 70 m

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
Name: Survey ID (n/a if not surveyed)
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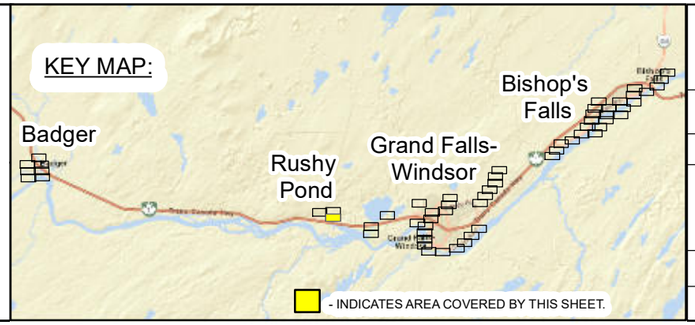

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Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

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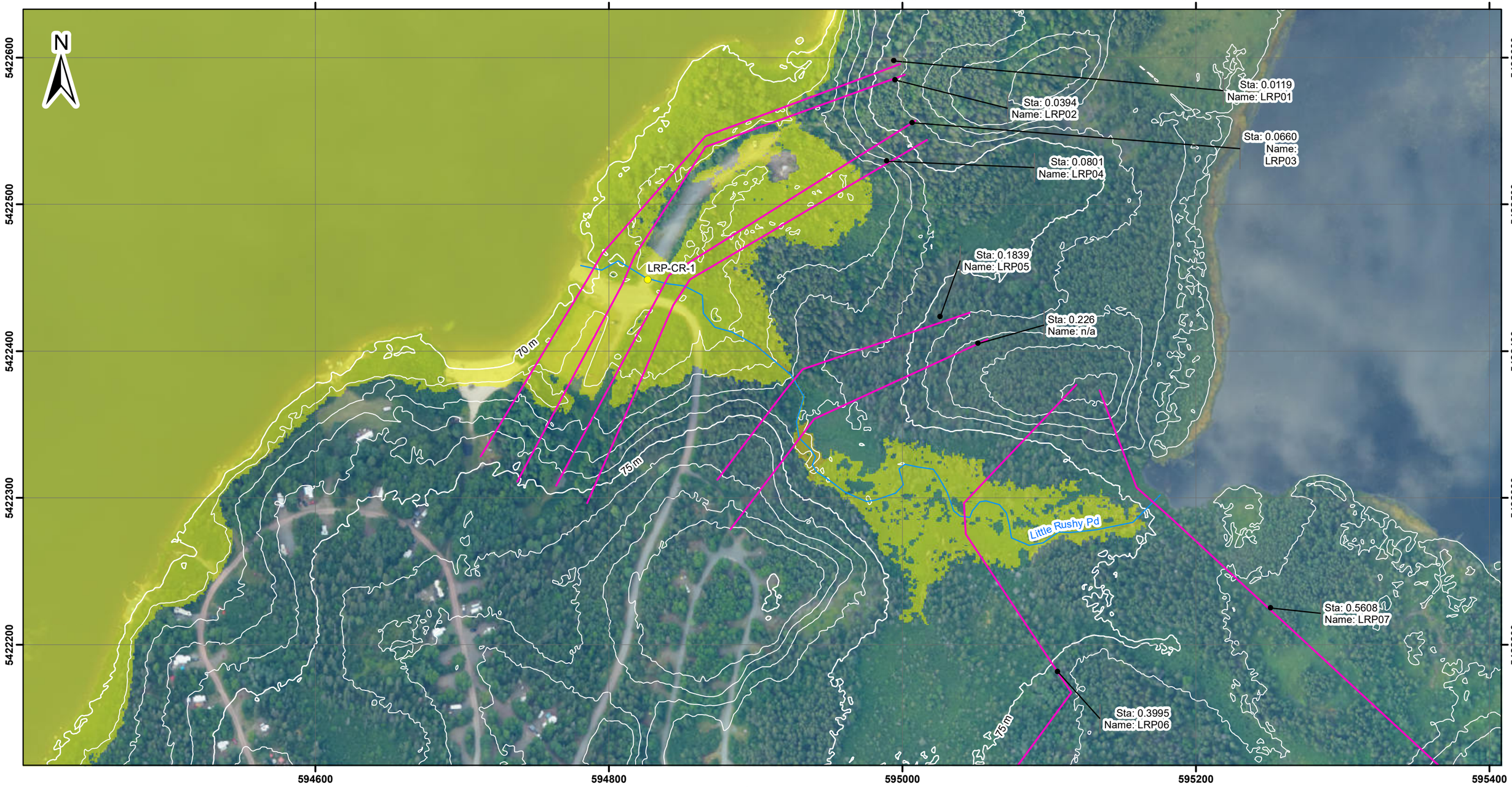

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

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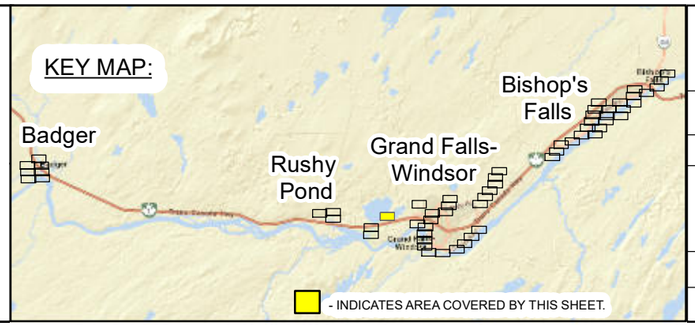

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WATER RESOURCES MANAGEMENT DIVISION

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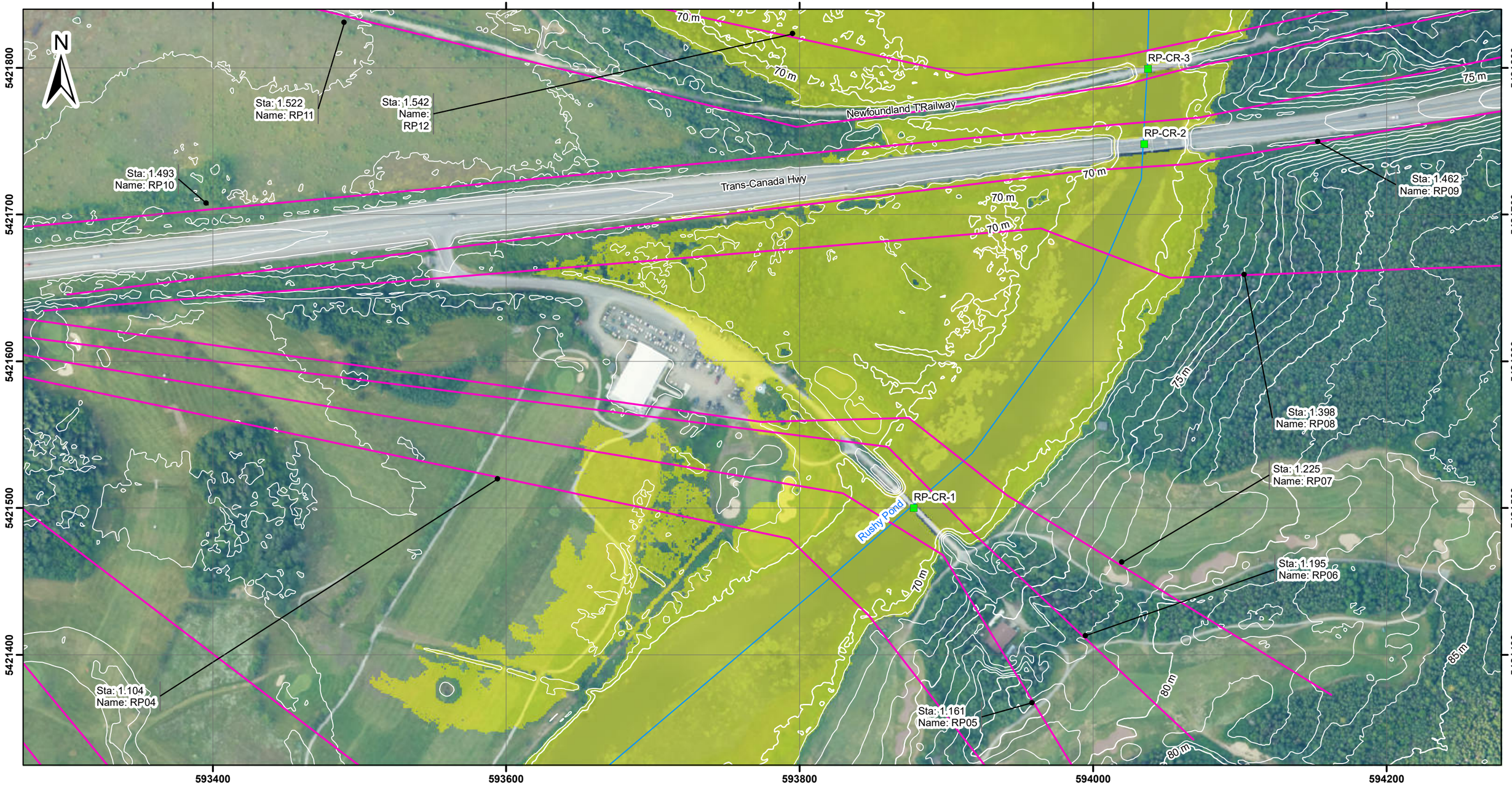

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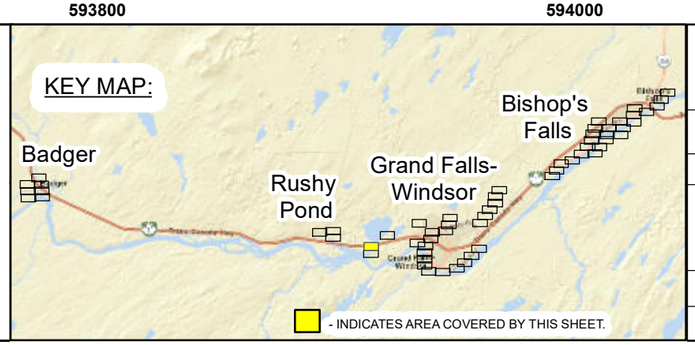

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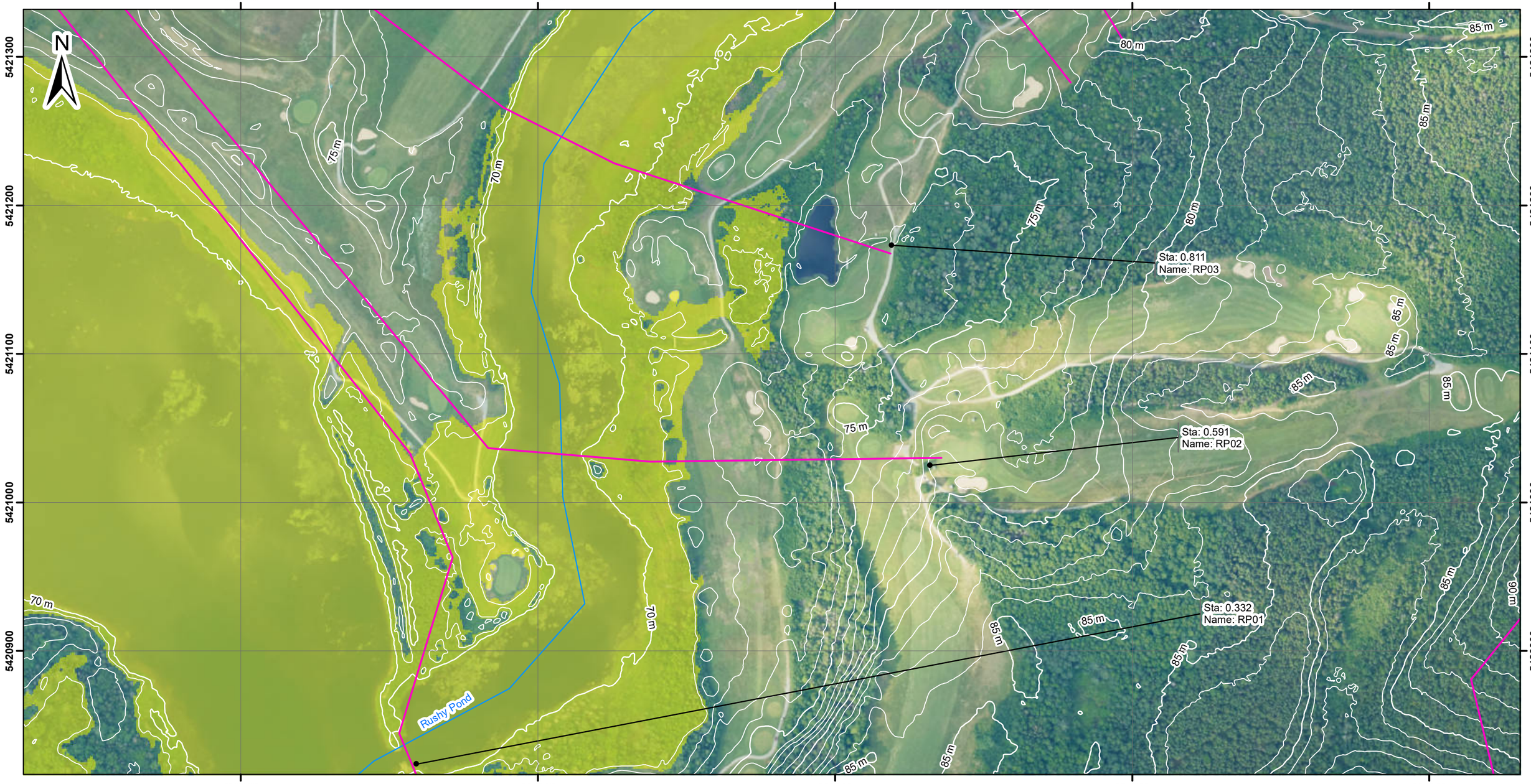

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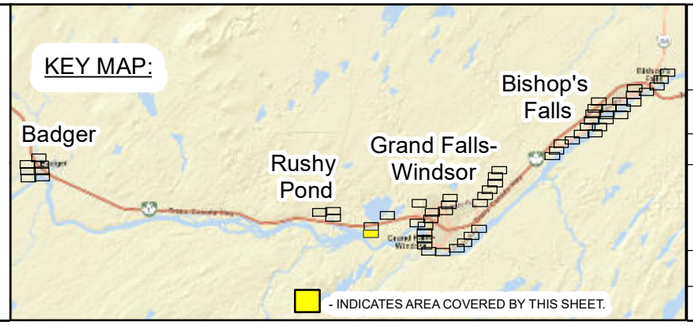

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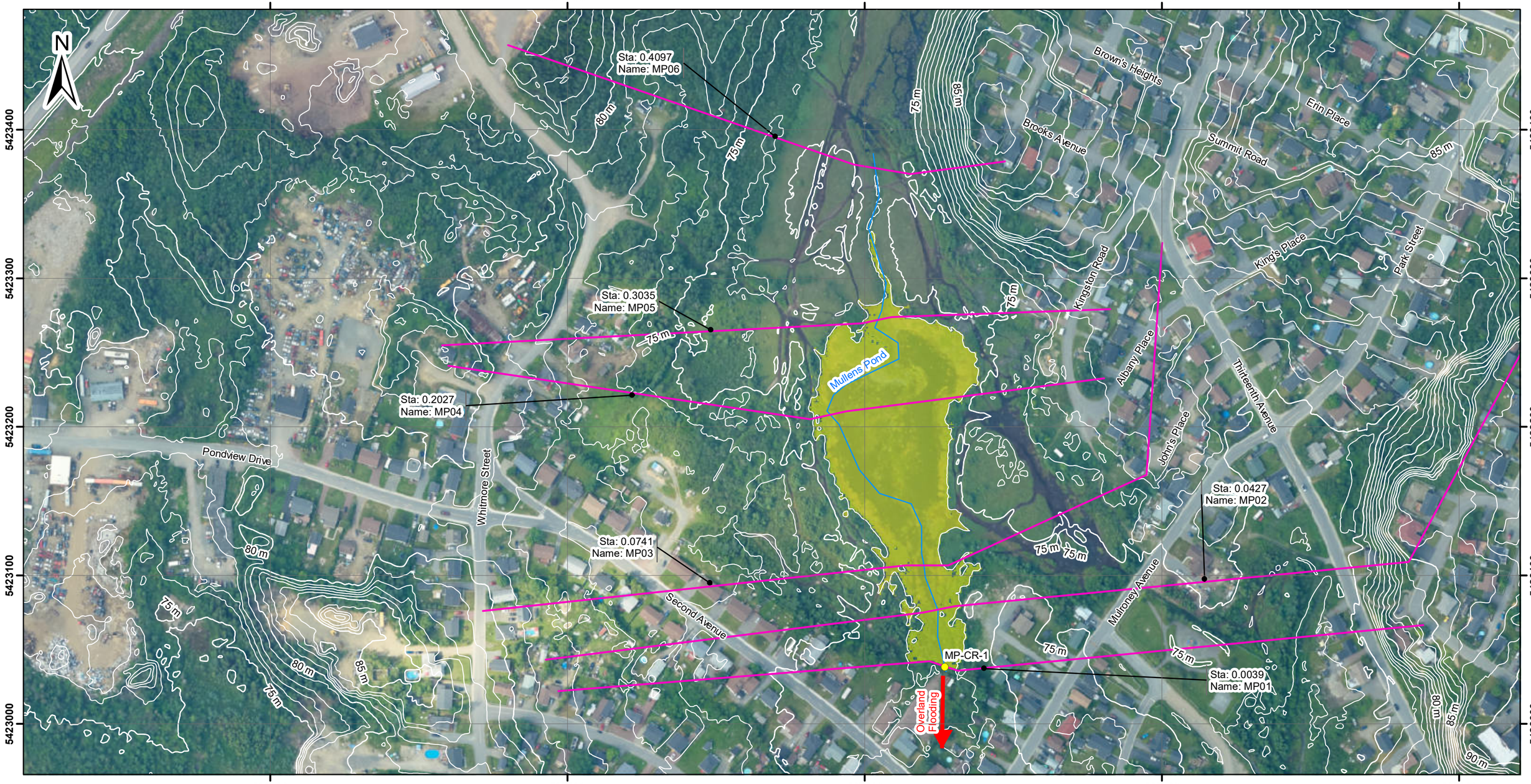

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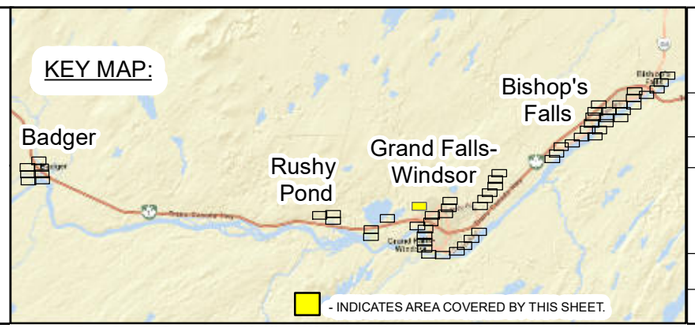

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Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

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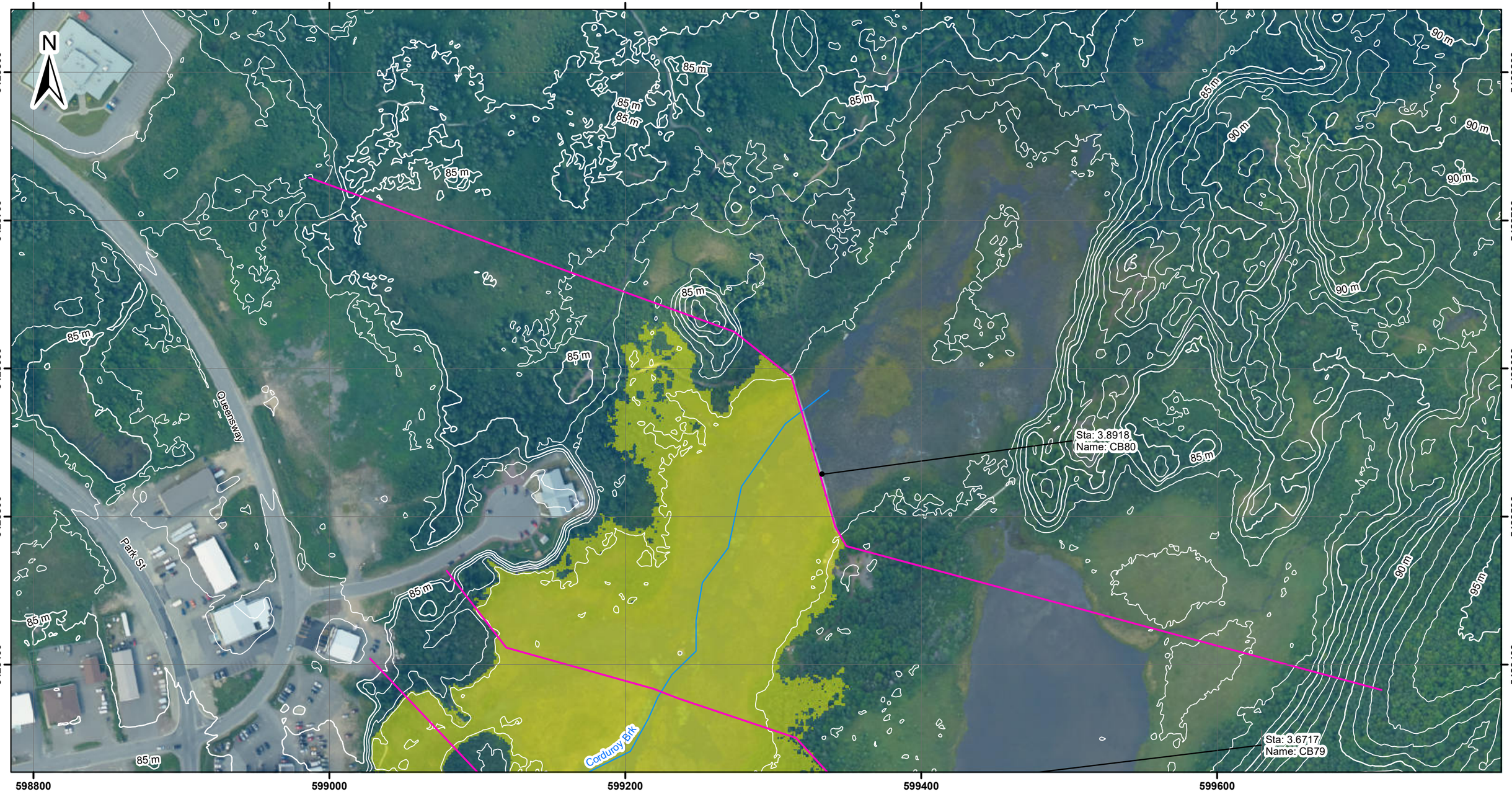

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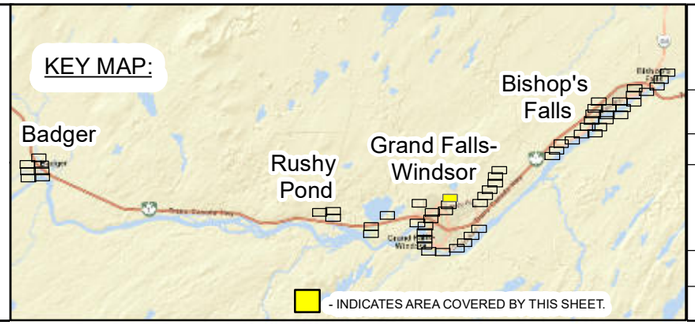

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WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

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PROJECT #: H-358566

598800 599000 599200 599400 599600

5423300 5423200 5423100 5423000 5422900

N

85 m 90 m 80 m 95 m 100 m

Sta: 3.6717
Name: CB79

Sta: 3.5448
Name: CB78

Sta: 3.4083
Name: CB77

Sta: 3.3970
Name: CB76

Sta: 3.3476
Name: CB75

Sta: 3.3174
Name: CB74

Sta: 3.3013
Name:
CB71/CB73

Sta: 3.2959
Name:
CB70/CB72

Sta: 3.2785
Name: CB69

Sta: 3.2706
Name: CB68

Sta: 3.2426
Name: CB67

Sta: 3.2308
Name: CB66

Sta: 3.1255
Name: CB65

Sta: 2.9841
Name: CB64

Corduroy Brk

CB-CR-14

CB-CR-13

Princess Dr

Newfoundland TRailway

Hardy Ave

Bayley St

Overland Flooding

Overland Flooding

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
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0 15 30 60 90 120
Meters

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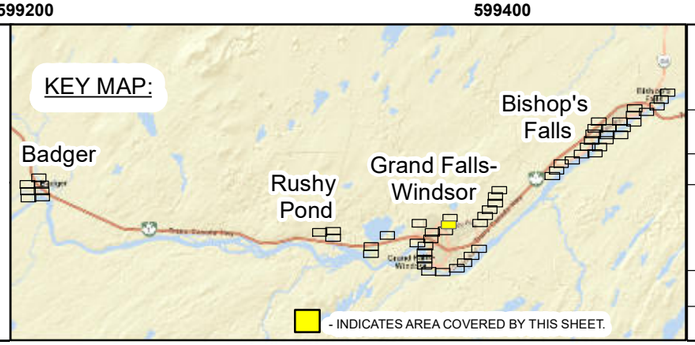
KEY MAP:



HATCH

Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
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DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

598600 598800 599000 599200 599400

5422900 5422800 5422700 5422600 5422500

N

80 m 80 m 80 m 80 m 80 m 85 m 85 m 90 m 90 m 95 m 100 m 105 m 110 m 115 m

Overland Flooding

Overland Flooding

Sta: 2.8540
Name: CB63

Sta: 2.9841
Name: CB64

Sta: 3.1255
Name: CB65

Corduroy Brk

Hardy Ave

Bayley St

Sta: 2.5024
Name: CB52

CB-CR-12

Sta: 2.4882
Name: CB51

Cromer Ave

Harris Ave

Sta: 2.7942
Name: CB62

Sta: 2.7783
Name: CB61

CB-CR-11

Sta: 2.5843
Name: CB55

Sta: 2.5346
Name: CB53

Sta: 2.5770
Name: CB54

598600 598800 599000 599200 599400

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
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Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
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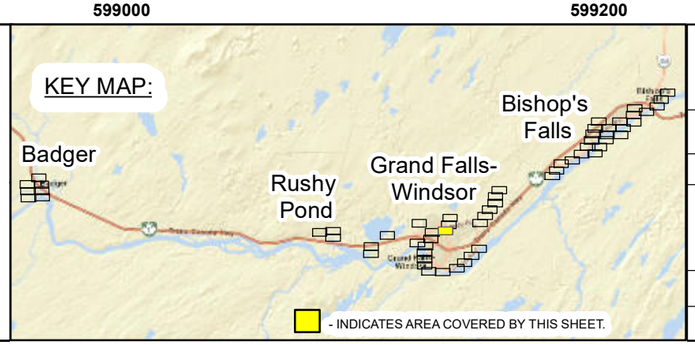

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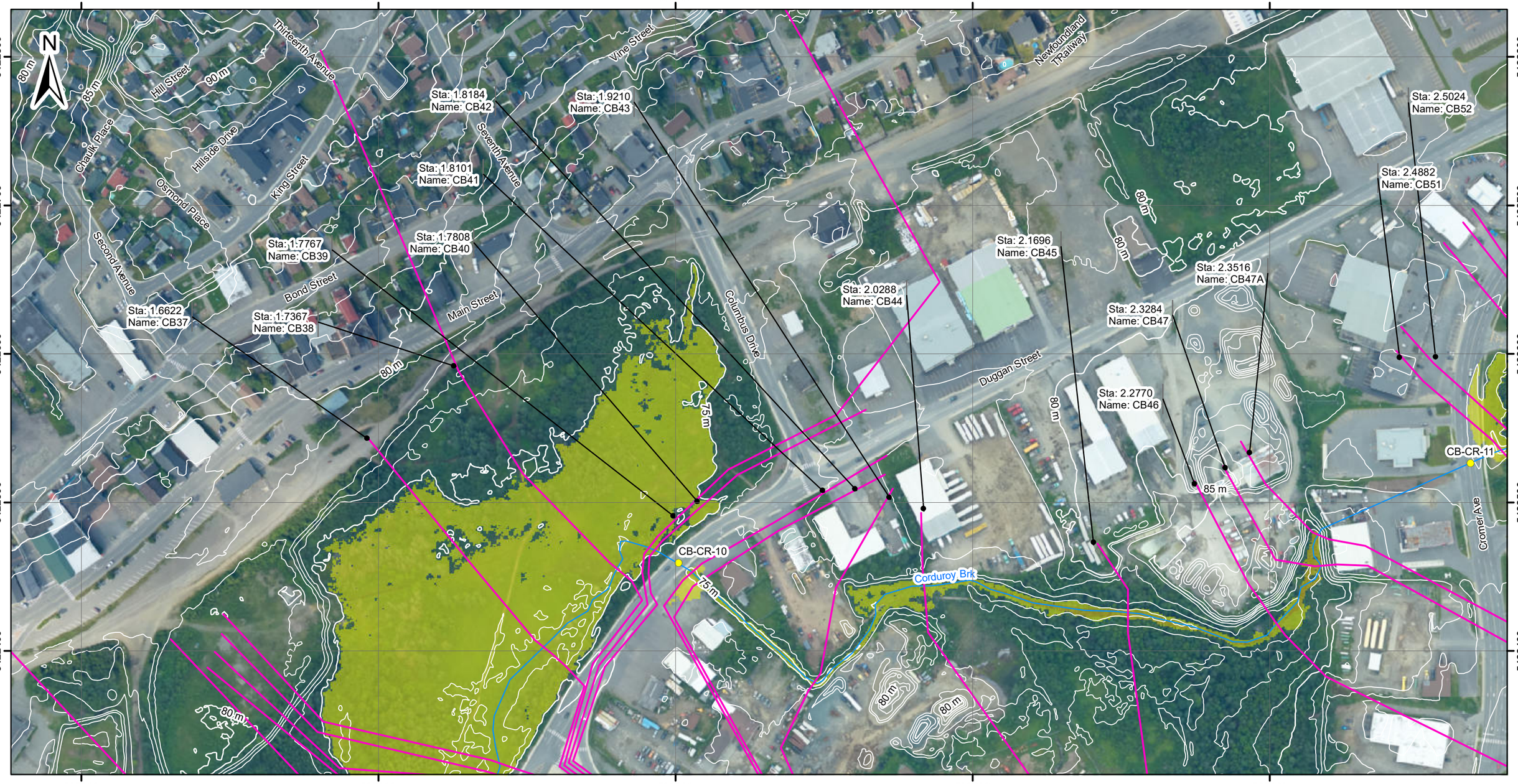

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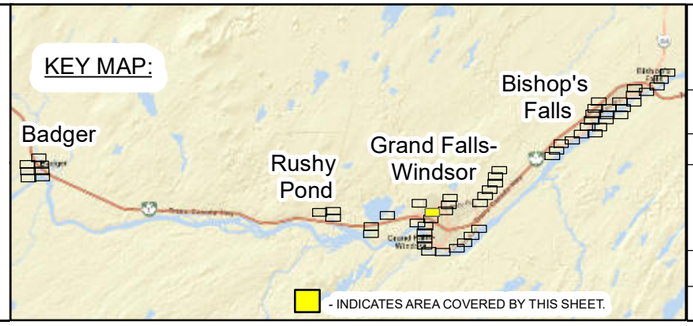

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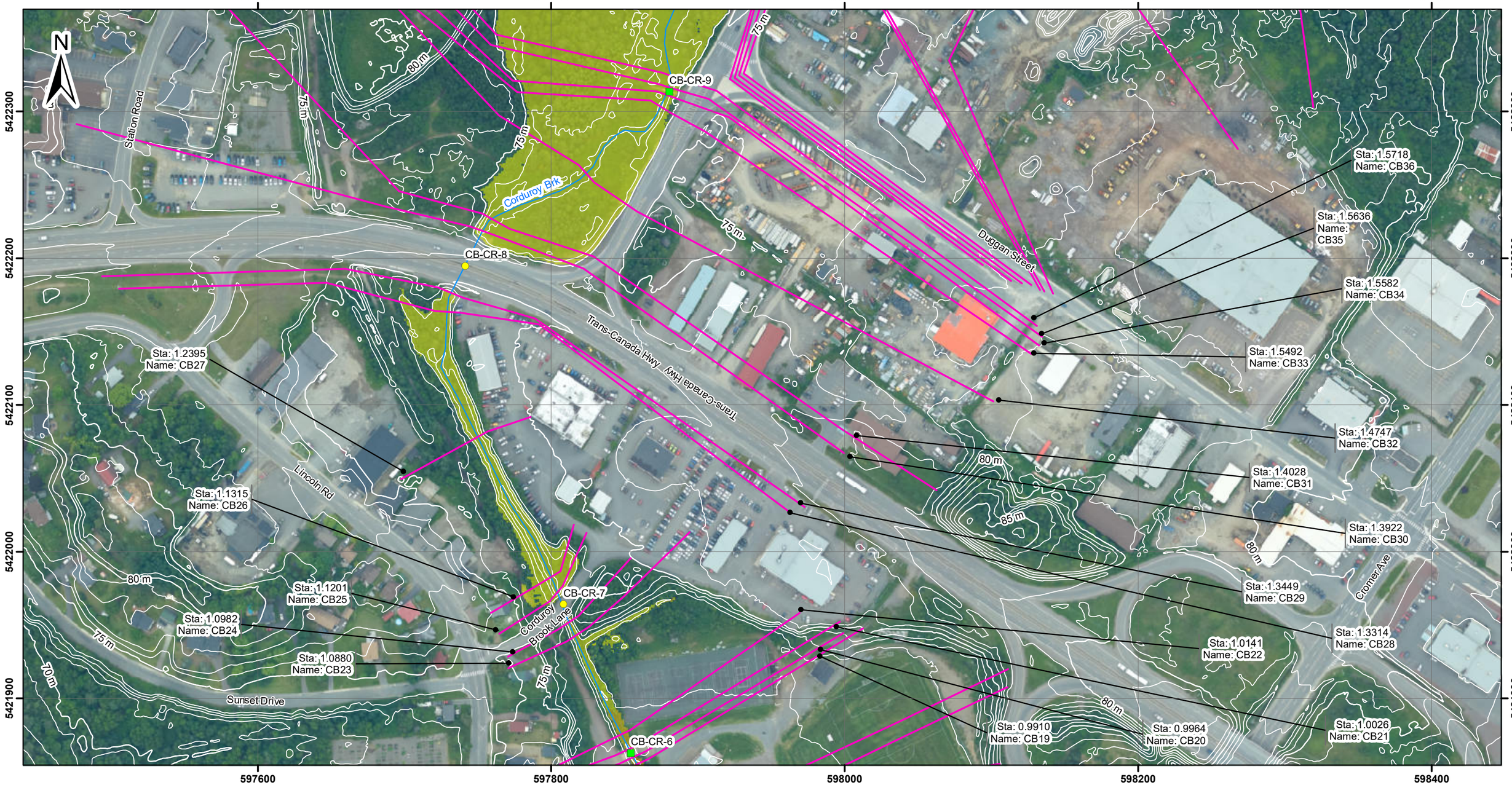

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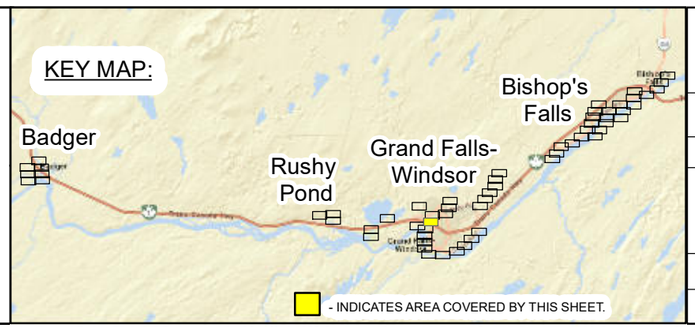

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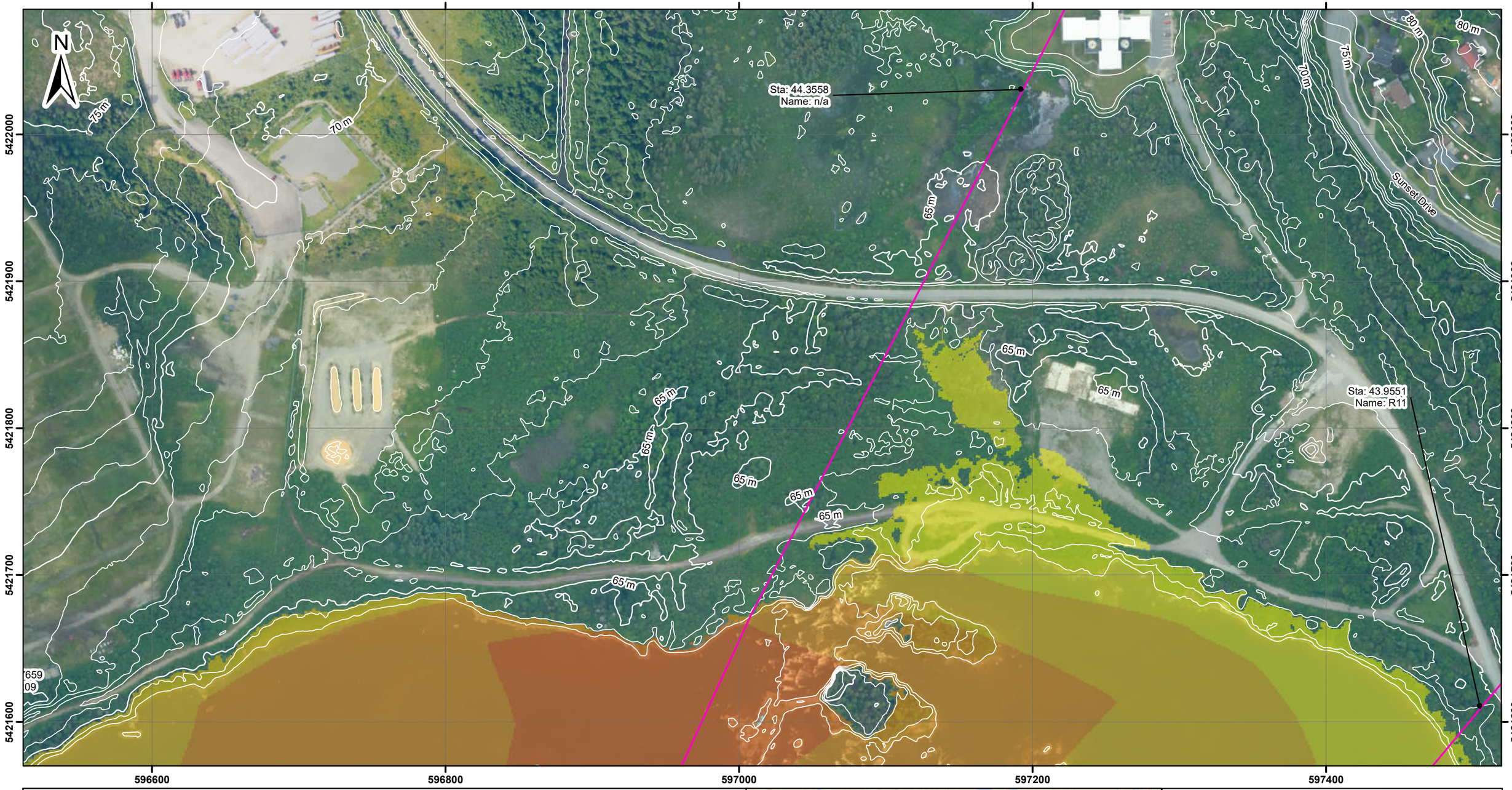

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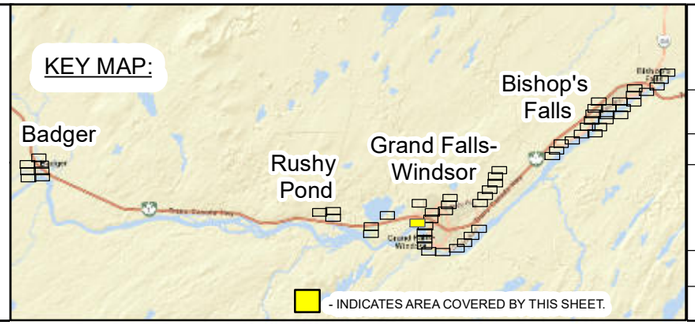

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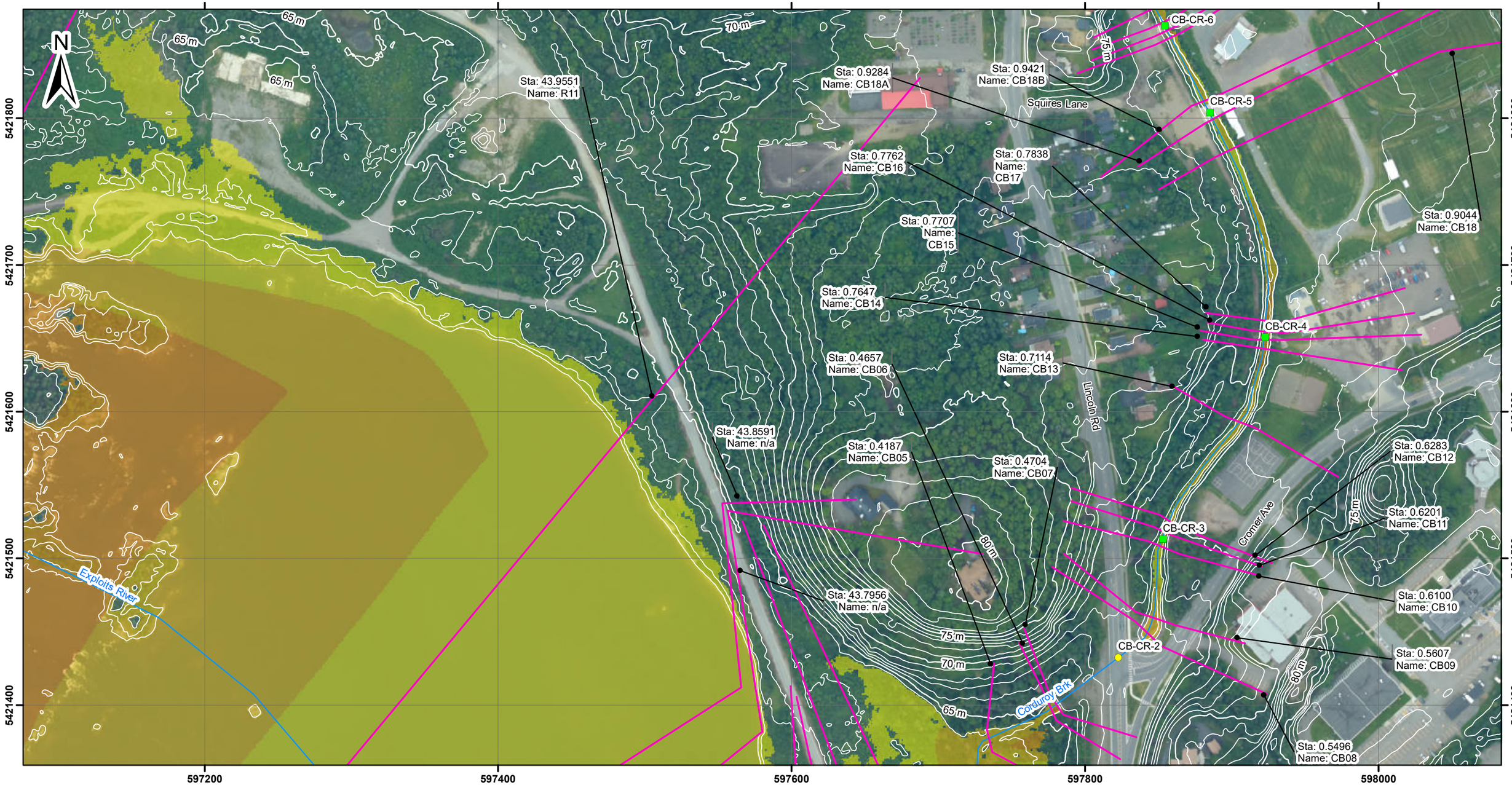

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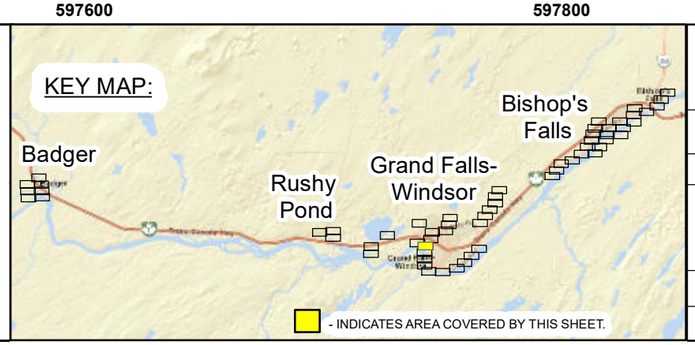

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Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

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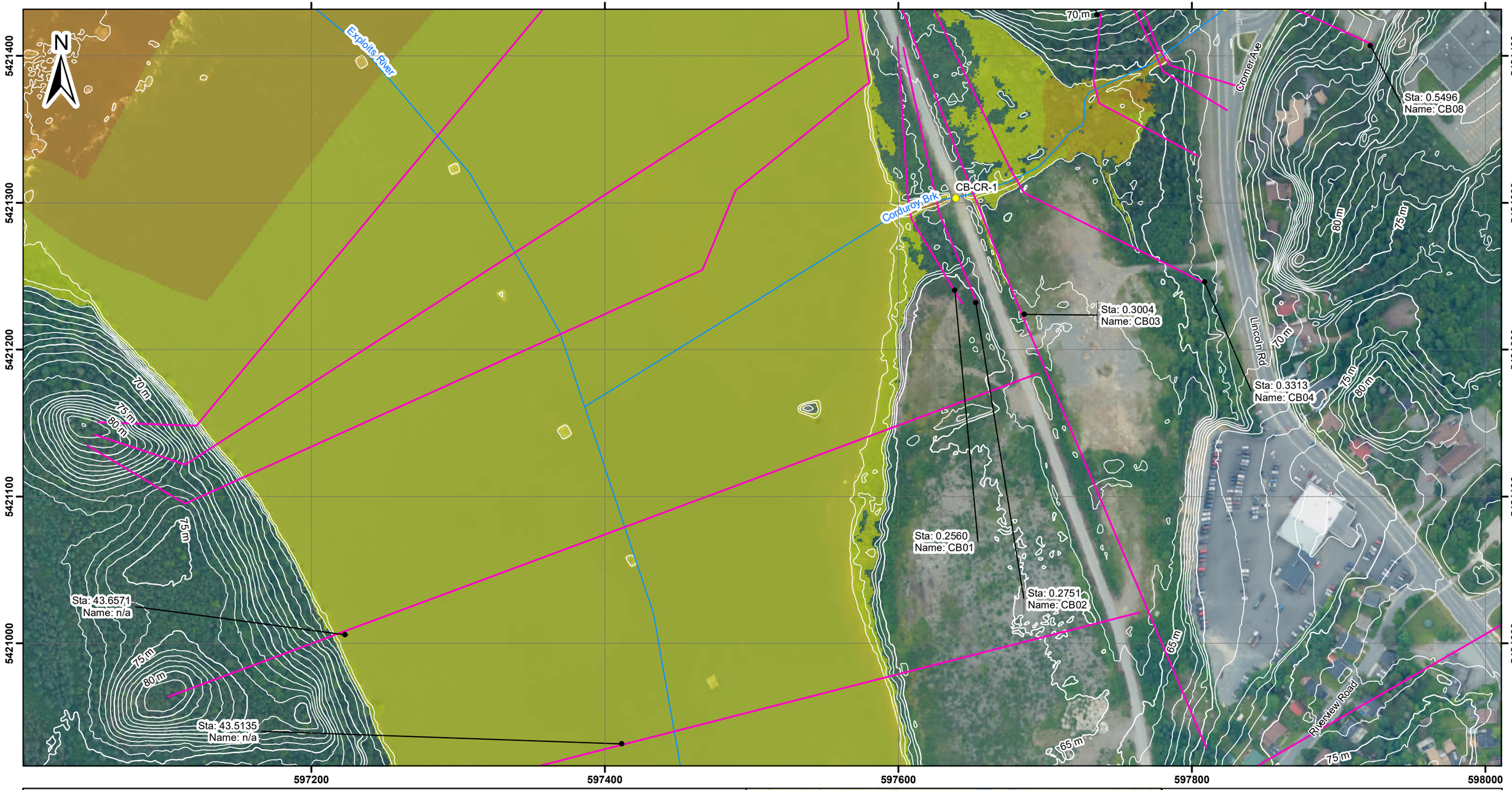
PROJECT #: H-358566



Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

- Overland Flooding
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

Sta: Station
Name: Survey ID (n/a if not surveyed)

- Cross Sections

NOTES:

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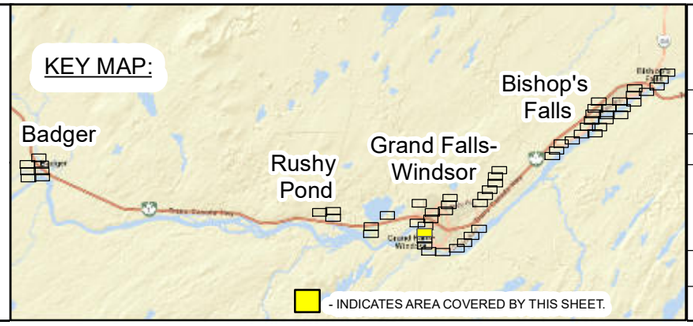
4. Topographic map and world imagery outside project area by ESRI.

0 15 30 60 90 120 Meters

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



HATCH

Newfoundland Labrador

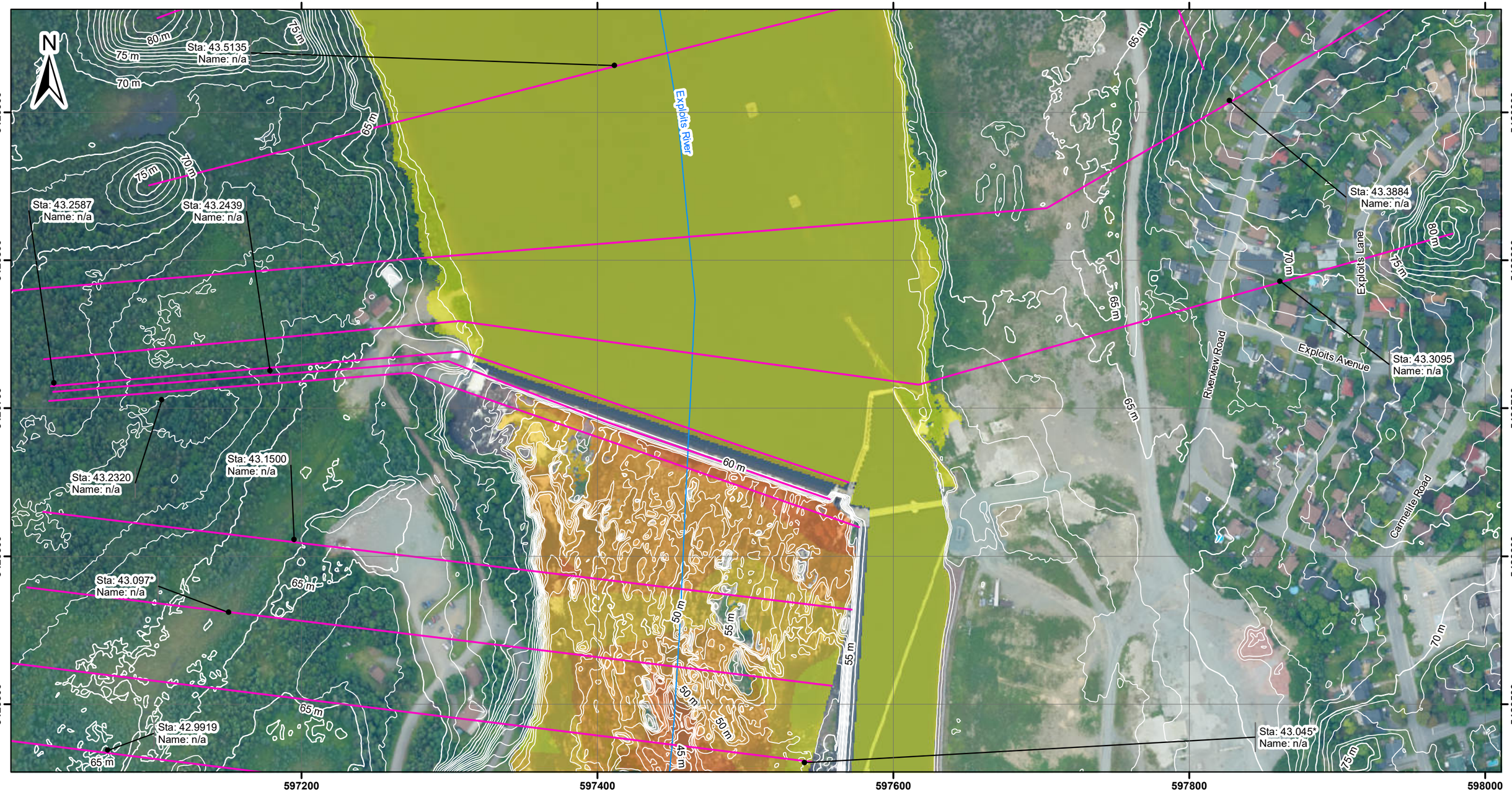
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566



Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

- Overland Flooding
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
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0 15 30 60 90 120 Meters

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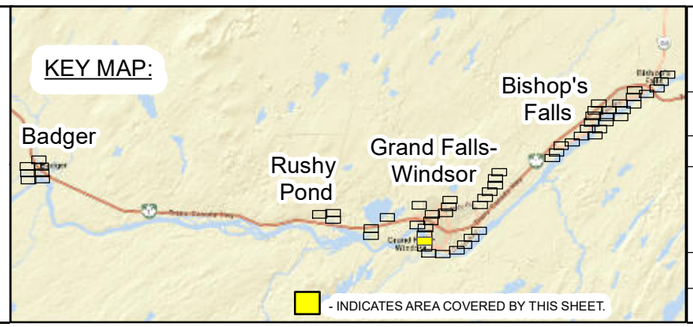
KEY MAP:



- INDICATES AREA COVERED BY THIS SHEET.

HATCH

Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

597200 597400 597600 597800 598000

5420500 5420400 5420300 5420200 5420100

N

Sta: 42.9919
Name: n/a

Sta: 42.926*
Name: n/a

Sta: 42.8601
Name: n/a

Sta: 42.8015
Name: n/a

Sta: 42.749*
Name: n/a

Sta: 42.697*
Name: n/a

Sta: 42.645*
Name: n/a

Sta: 43.045*
Name: n/a

65 m
60 m
55 m
50 m
45 m
40 m
35 m
30 m
70 m

Exploits River

Carmelite Road

Scott Ave

Taylor Drive

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
Name: Survey ID (n/a if not surveyed)
Cross Sections

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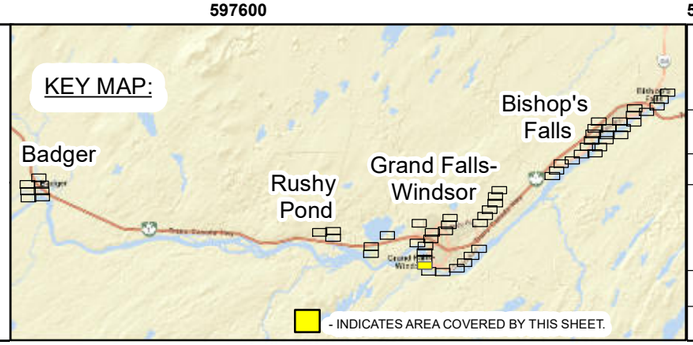
0 15 30 60 90 120
Meters

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

KEY MAP:



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Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

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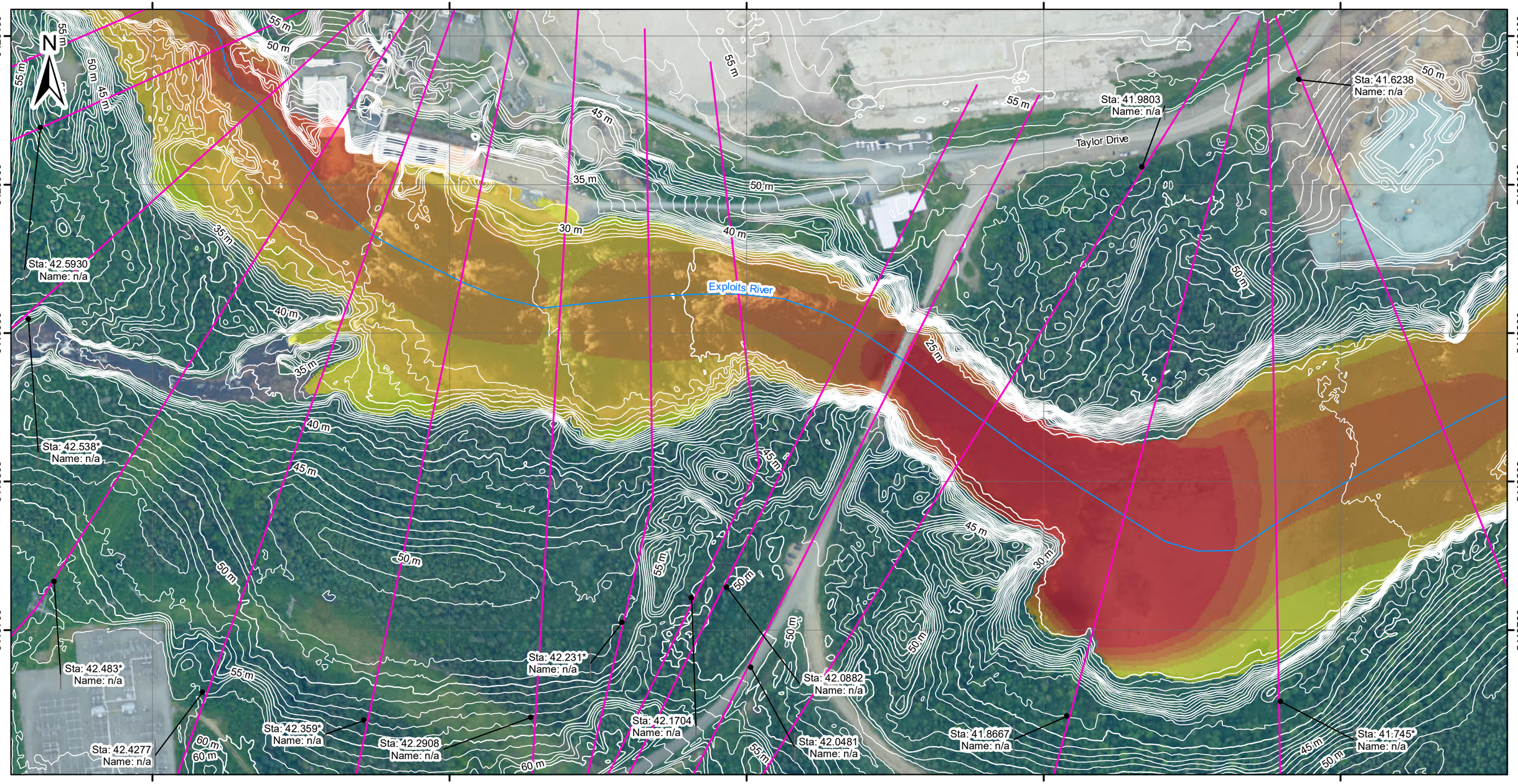

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

- Overland Flooding
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

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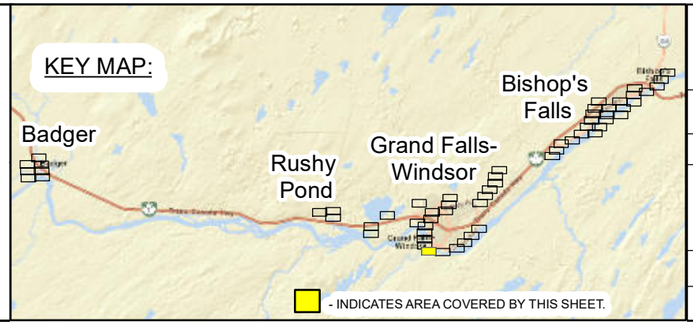

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Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

598400 598600 598800 599000 599200

5420000 5419900 5419800 5419700 5419600

N

Sta: 41.1382
Name: n/a

Sta: 41.0119
Name: n/a

Sta: 40.9173
Name: n/a

Sta: 40.7927
Name: n/a

Scott Ave

Sta: 40.6953
Name: R13

Exploits River

Sta: 41.511*
Name: n/a

Sta: 41.3975
Name: n/a

Sta: 41.3149
Name: n/a

Sta: 41.227*
Name: n/a

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
Name: Survey ID (n/a if not surveyed)
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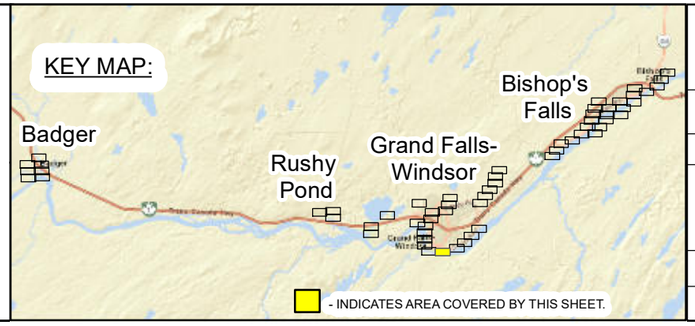
0 15 30 60 90 120 Meters

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

KEY MAP:



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Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

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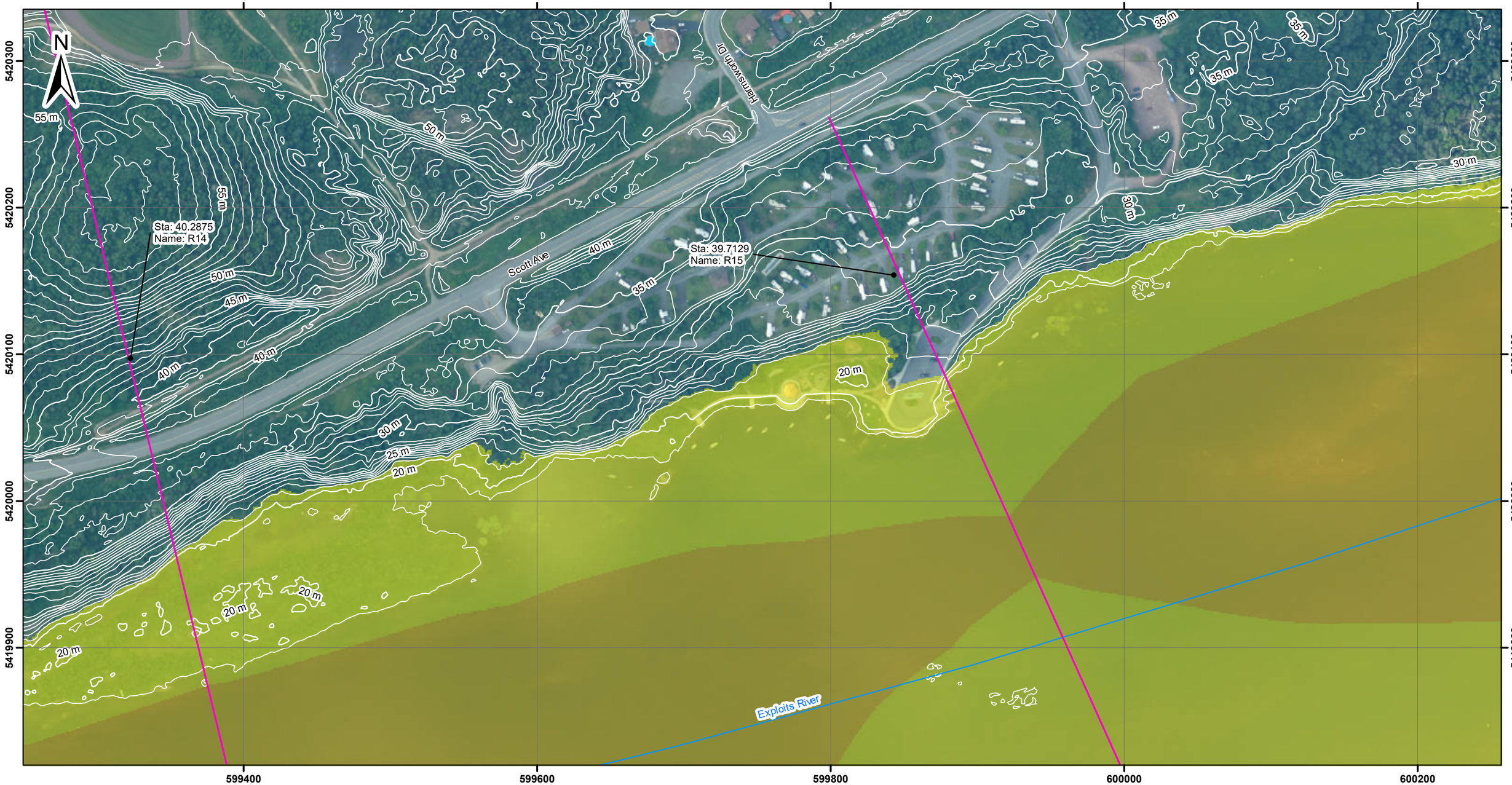

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

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- Cross Sections

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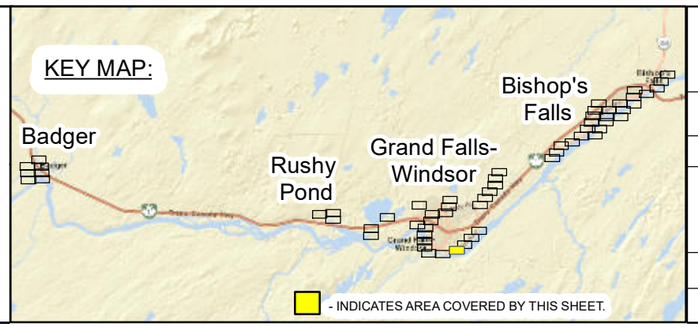

HATCH

Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

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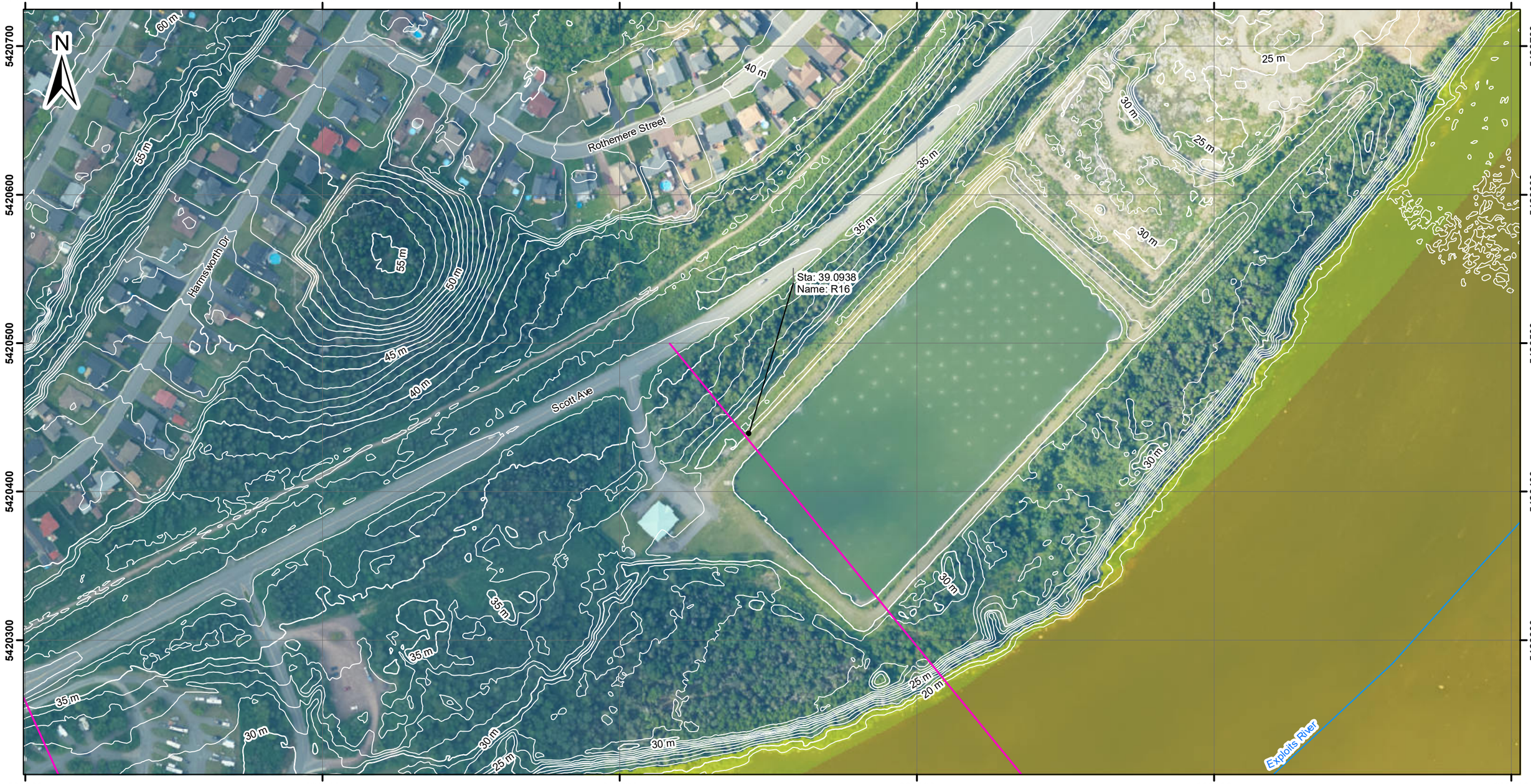

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

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0 15 30 60 90 120
Meters

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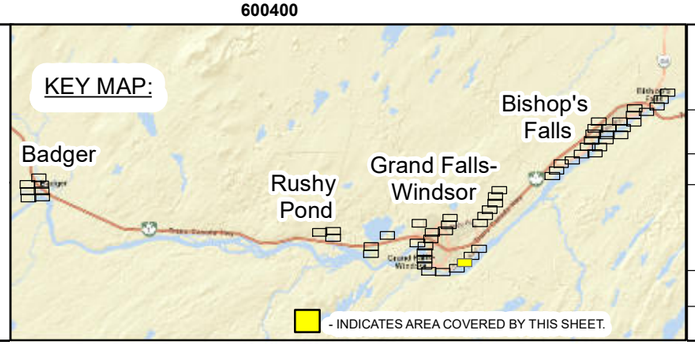

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Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

600400 600600 600800 601000 601200

5421100 5421000 5420900 5420800 5420700

N

65 m 60 m 55 m 50 m 45 m 40 m 35 m 30 m 25 m 20 m

Harnsworth Dr
Hatt Place
Scott Ave
Rothemere Street
Exploits River

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
Name: Survey ID (n/a if not surveyed)
Cross Sections

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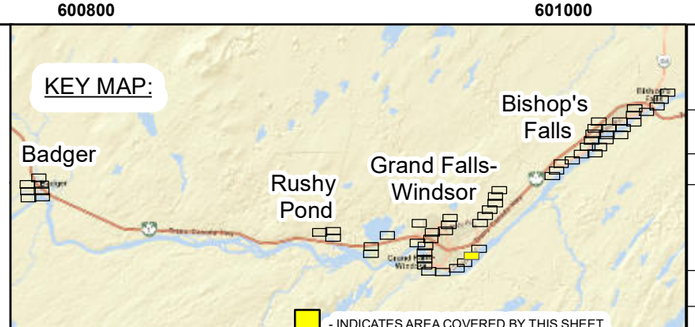
0 15 30 60 90 120 Meters

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

KEY MAP:



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Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

601000 601200 601400 601600 601800

5421600 5421500 5421400 5421300 5421200

N

Sta: 37.1991
Name: R17

Harmsworth Dr
Hedges Street
Scott Ave
Exploits River

60 m 60 m 55 m 50 m 45 m 40 m 35 m 30 m 25 m 25 m 25 m 25 m 20 m 45 m 20 m 25 m 25 m

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
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0 15 30 60 90 120 Meters

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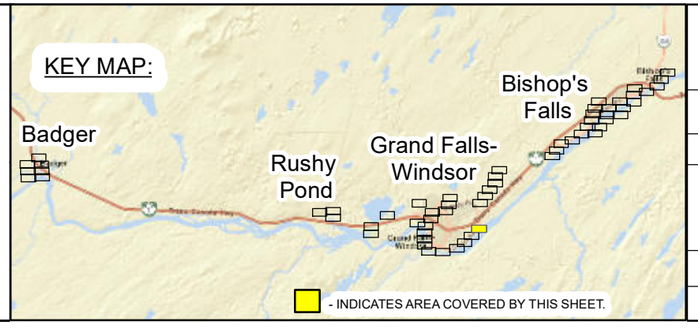

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Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

601000 601200 601400 601600 601800

5423400 5423300 5423200 5423100 5423000

N

105 m 100 m 95 m

Maloney Street

Hardy Ave

Grenfell Heights

GF-1

GF-CR-2

Sta: 3.6413
Name: n/a

Sta: 3.8668
Name: n/a

Sta: 3.8993
Name: n/a

Sta: 3.9266
Name: n/a

Sta: 3.9291
Name: n/a

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
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Cross Sections

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0 15 30 60 90 120
Meters

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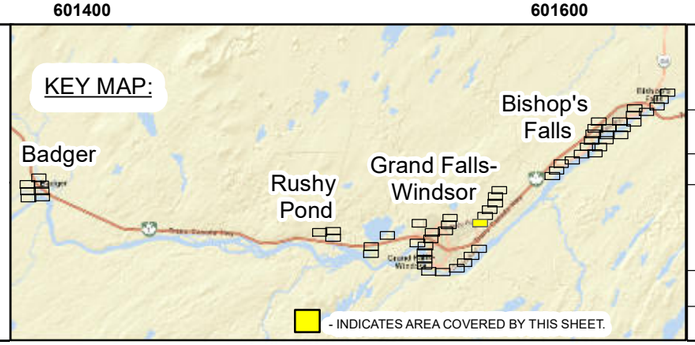

HATCH

Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

601400 601600 601800 602000 602200

5423900 5423800 5423700 5423600 5423500

N

GF1

90 m 95 m 100 m 105 m 110 m

Sta: 3.1868
Name: n/a

Sta: 3.2091
Name: n/a

Sta: 3.2981
Name: n/a

Grenfell Heights

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
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Meters

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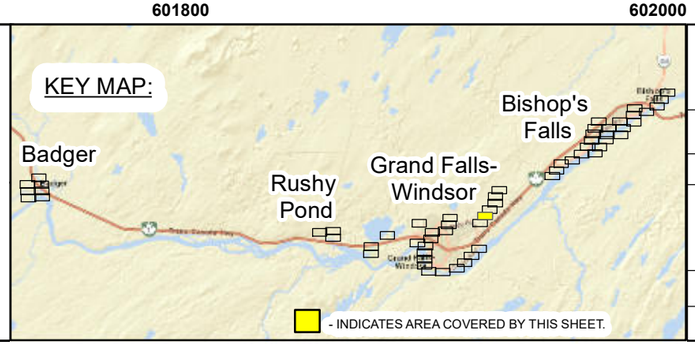

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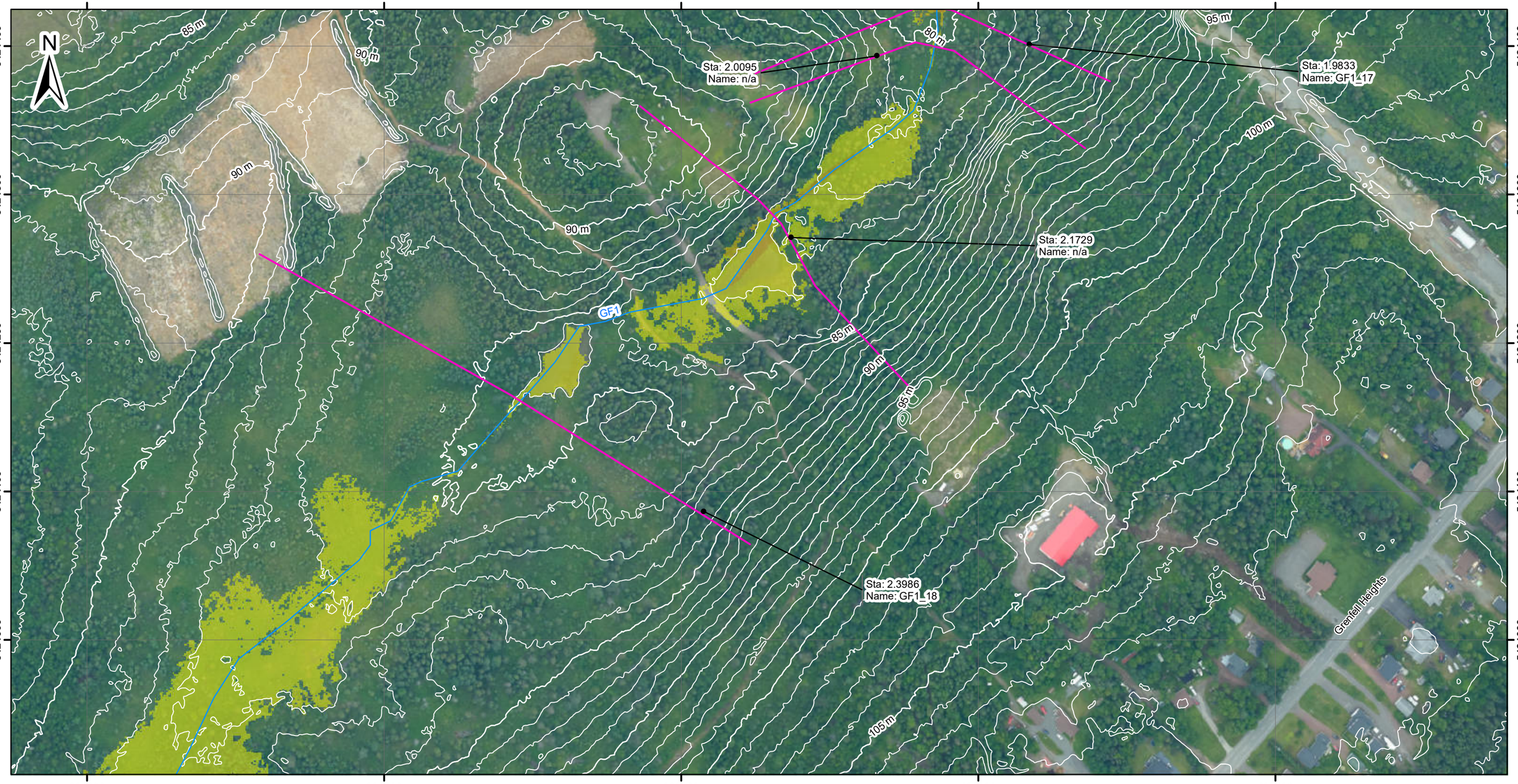

Legend

Water Velocity (m/s)

- 0 - 1
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Meters

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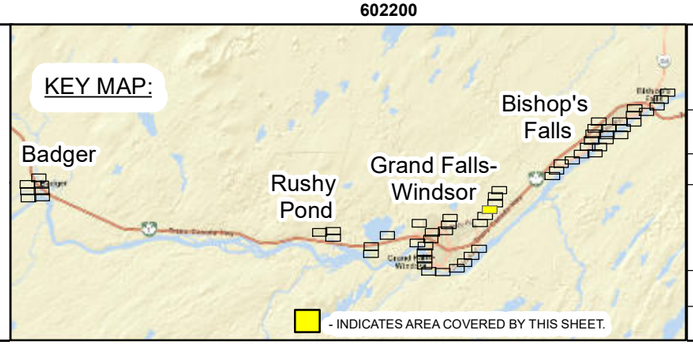

HATCH

Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

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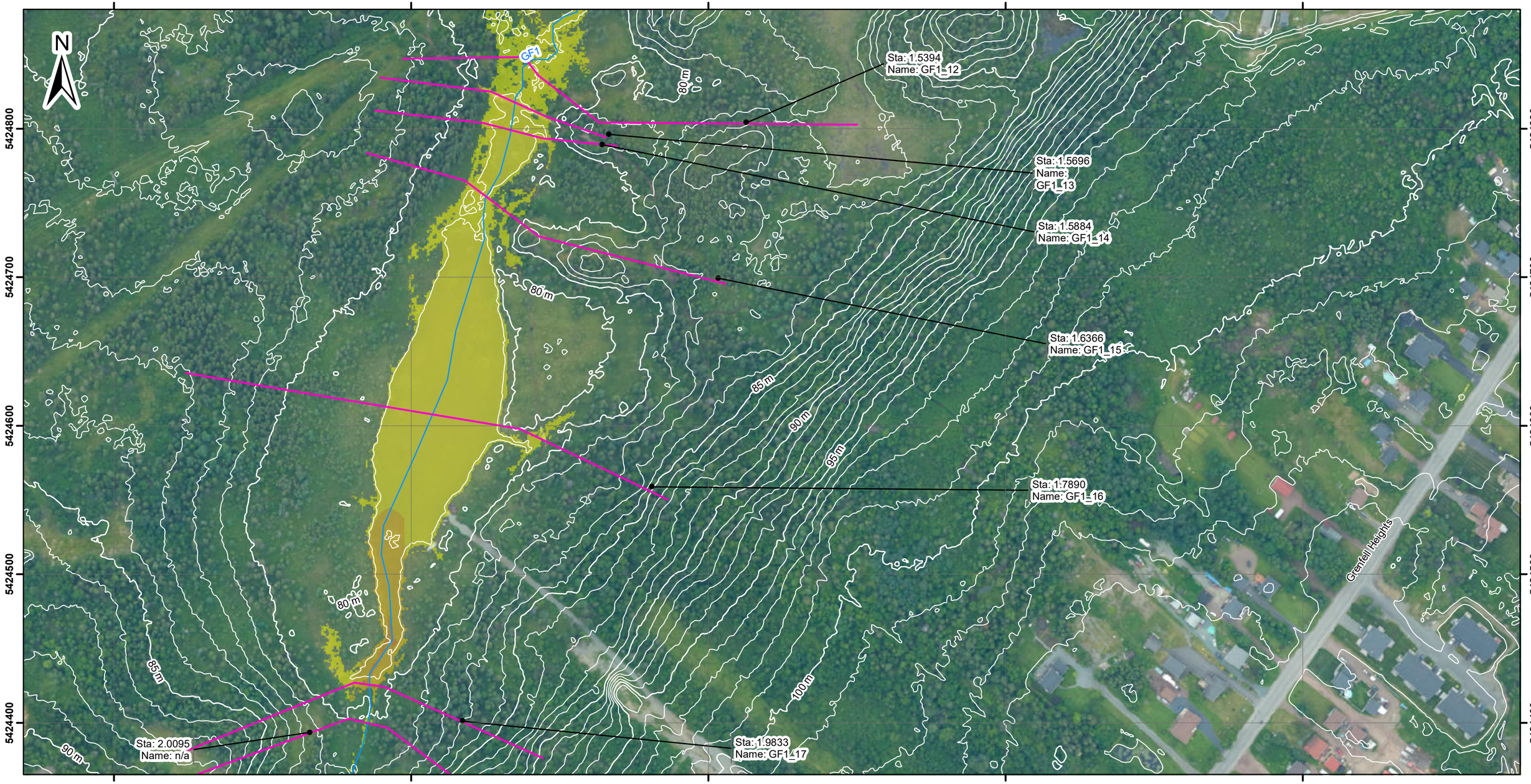

Legend

Water Velocity (m/s)

- 0 - 1
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- 2 - 3
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0 15 30 60 90 120 Meters

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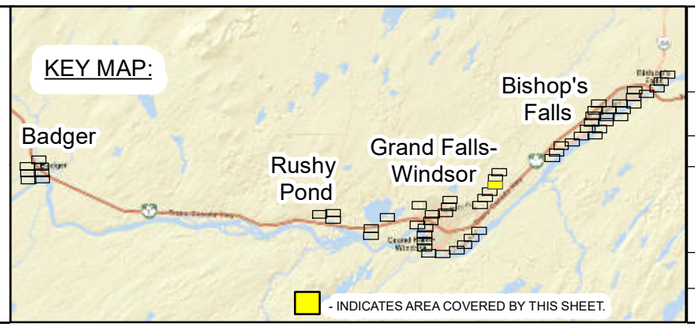

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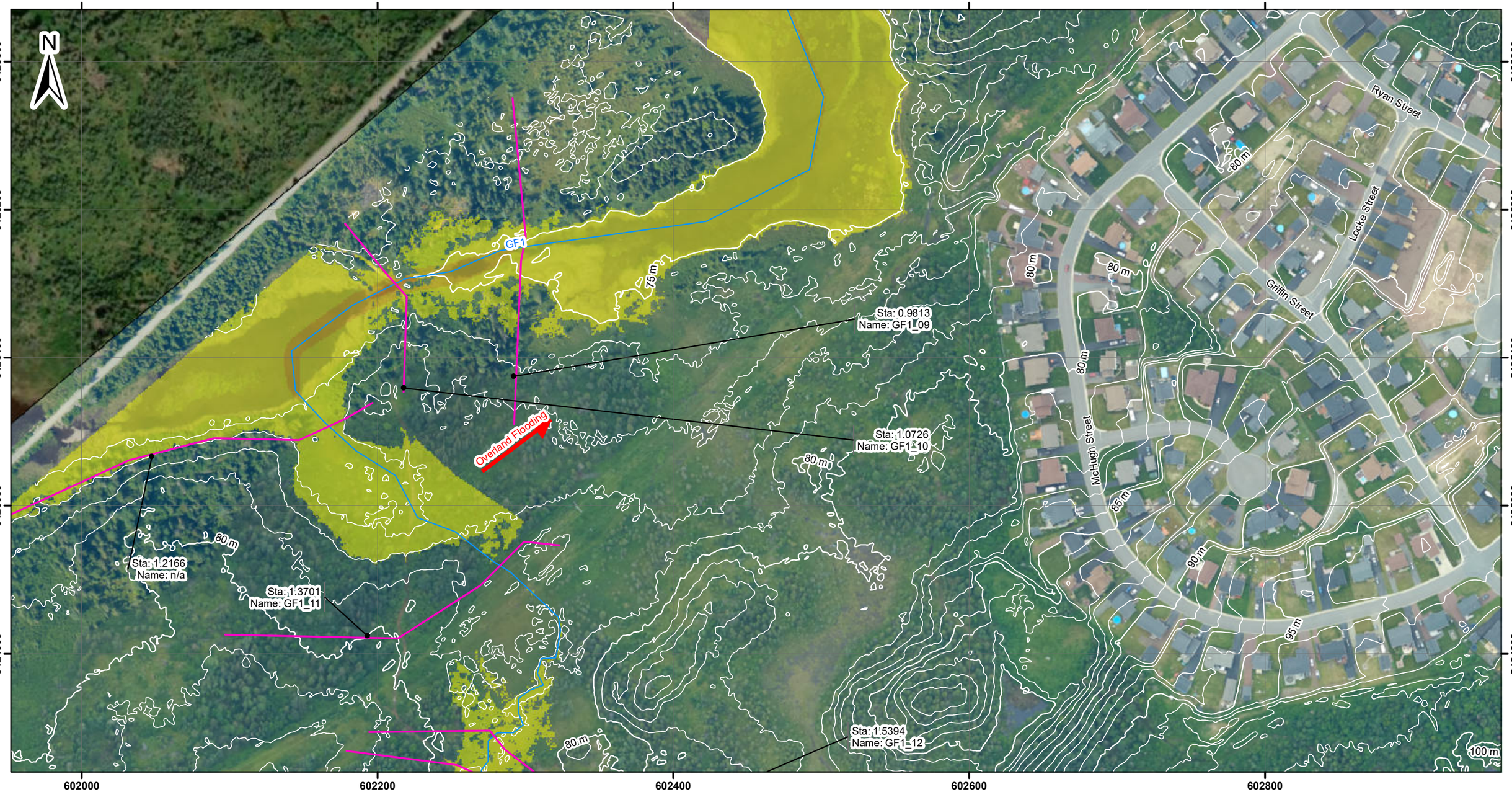

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

- Overland Flooding
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

Sta: Station
Name: Survey ID (n/a if not surveyed)

- Cross Sections

NOTES:

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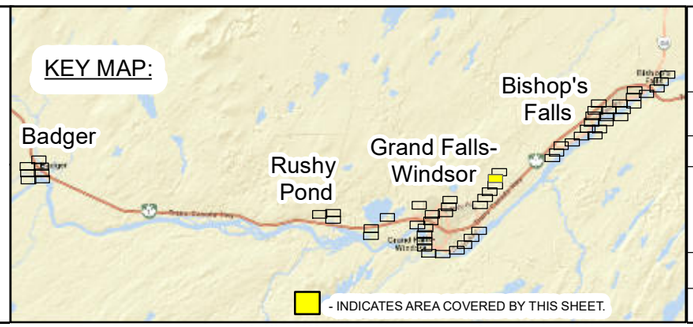
4. Topographic map and world imagery outside project area by ESRI.

0 15 30 60 90 120
Meters

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

KEY MAP:



- INDICATES AREA COVERED BY THIS SHEET.

HATCH

Newfoundland Labrador

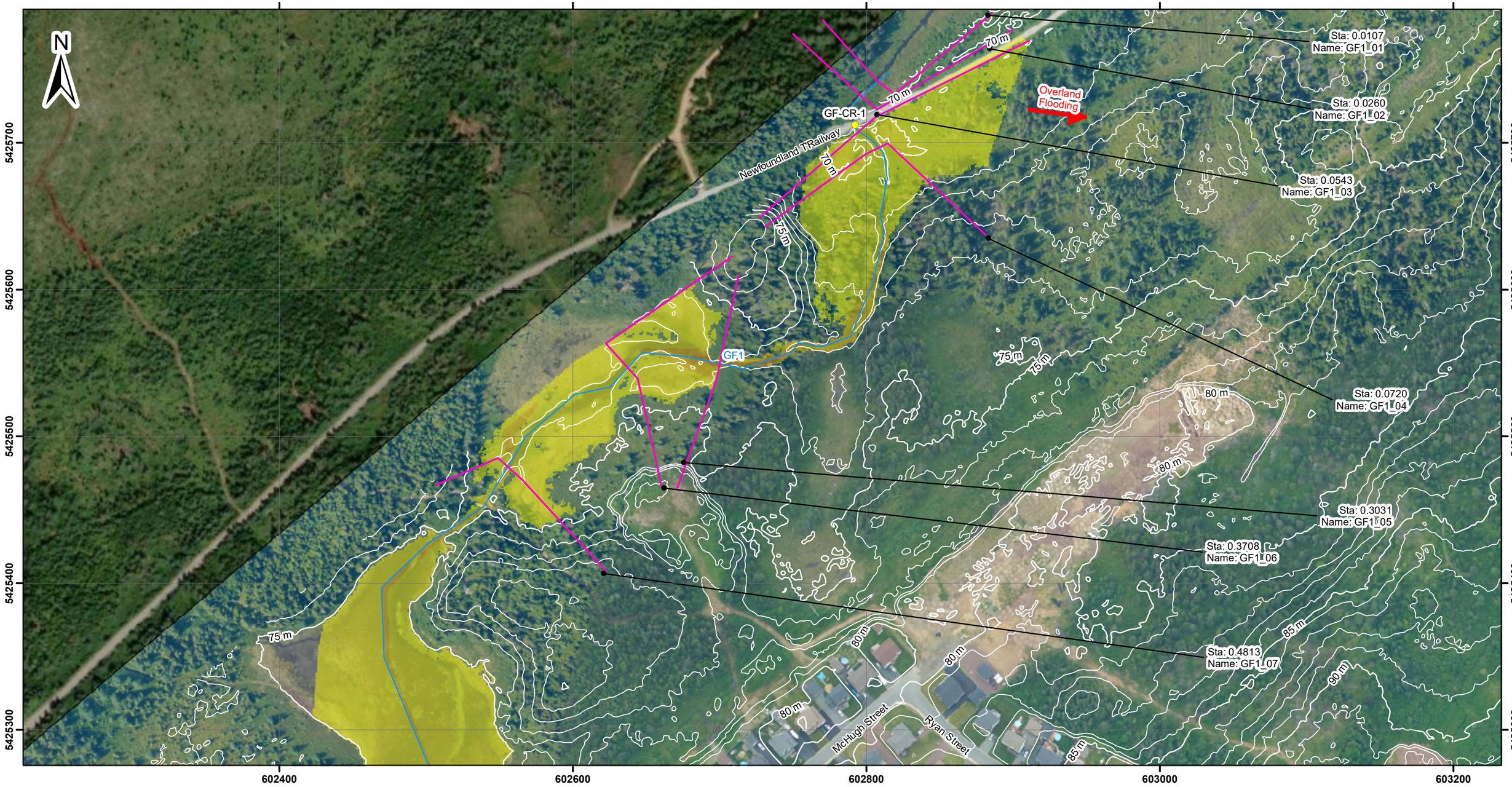
WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566



Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

- Overland Flooding
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

Sta: Station
Name: Survey ID (n/a if not surveyed)

- Cross Sections

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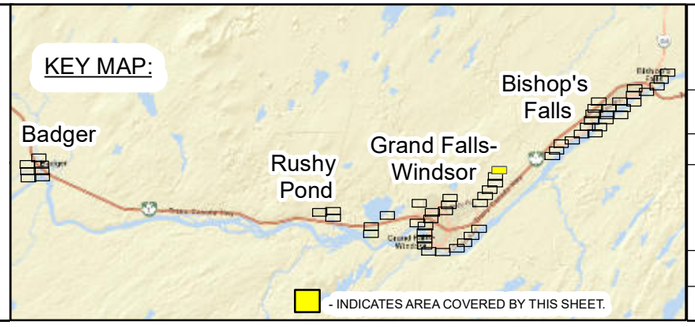
0 15 30 60 90 120 Meters

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



HATCH

Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

606000 606200 606400 606600 606800

5426700 5426600 5426500 5426400 5426300

N

Sta: 30.6038
Name: R22

Exploits Valley and Beothuk Trail

20 m 20 m 20 m 15 m 15 m 15 m 15 m 20 m 20 m 20 m 15 m

Exploits River

606000 606200 606400 606600 606800

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
Name: Survey ID (n/a if not surveyed)
Cross Sections

NOTES:

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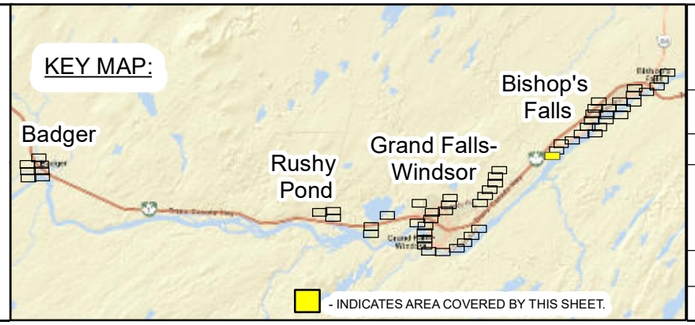
0 15 30 60 90 120 Meters

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 #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

606400 606600 606800 607000 607200

5427100 5427000 5426900 5426800 5426700

N

20 m 15 m

Sta: 29.6258
Name: R23

Exploits Valley and Beothuk Trail

Exploits River

BR-4

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
Name: Survey ID (n/a if not surveyed)
Cross Sections

NOTES:

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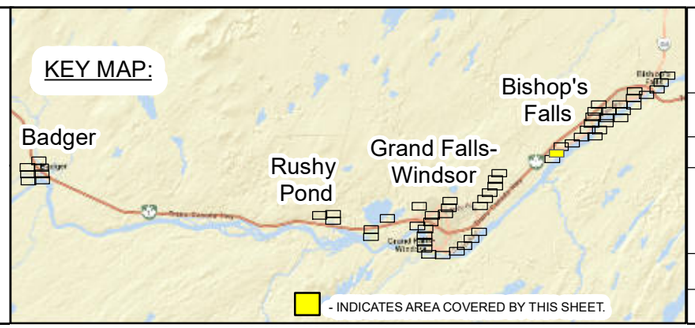
0 15 30 60 90 120 Meters

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 #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

606600 606800 607000 607200 607400

5427600 5427500 5427400 5427300 5427200

N

Sta: 0.9422
Name: BF4_19

Sta: 0.8648
Name: BF4_18

Sta: 0.8466
Name: BF4_17

Sta: 0.8268
Name: BF4_16

Sta: 0.7068
Name: BF4_14

Sta: 0.6155
Name: BF4_13

Sta: 0.6133
Name: BF4_12

Sta: 0.6020
Name: BF4_11

Sta: 0.5931
Name: BF4_10

Sta: 0.5102
Name: BF4_09

Sta: 0.5003
Name: BF4_08

Sta: 0.3664
Name: BF4_05

Sta: 0.3556
Name: BF4_04

Sta: 0.3336
Name: BF4_03

Sta: 0.2414
Name: BF4_01

Sta: 0.4872
Name: BF4_07

Sta: 0.4744
Name: BF4_06

Sta: 0.8212
Name: BF4_15

Sta: 0.3233
Name: BF4_02

BF4-CR-3
BF4-CR-2
BF4-CR-1
BF4

Newfoundland T'Railway
Exploits Valley and Beothuk Trail
Main St
Morgan St
W Trailer Ct

35 m 40 m 30 m 25 m 20 m 15 m

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
Name: Survey ID (n/a if not surveyed)
Cross Sections

NOTES:

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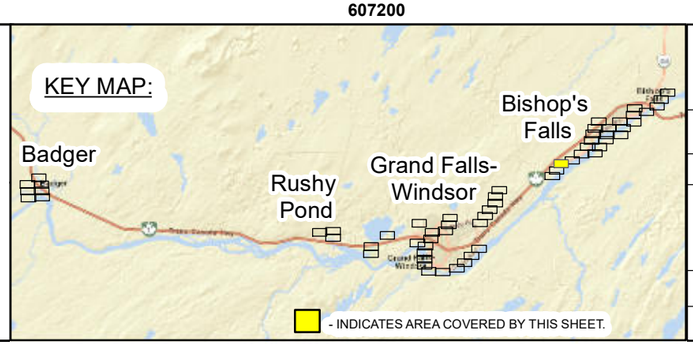
0 15 30 60 90 120
Meters

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 #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

607400 607600 607800 608000 608200

5427800 5427700 5427600 5427500 5427400

N

30 m 25 m 30 m 25 m 35 m 25 m 25 m 40 m 25 m 20 m 20 m 20 m 20 m 20 m 20 m 15 m

Newfoundland T'Railway

Exploits Valley and Beothuk Trail

Main St

W Trailer Ct

Sta: 28.6539
Name: R24

Exploits River

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
Name: Survey ID (n/a if not surveyed)
Cross Sections

NOTES:

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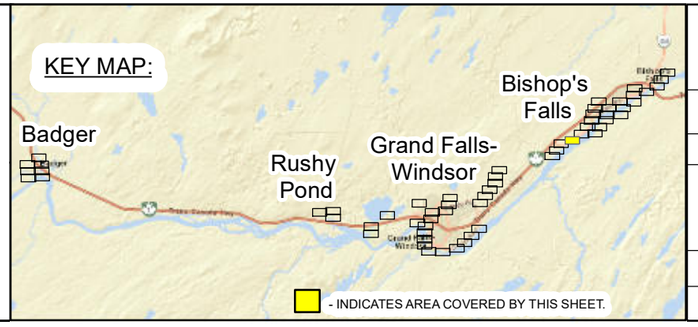
0 15 30 60 90 120 Meters

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 #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

608000 608200 608400 608600 608800

5428300 5428200 5428100 5428000 5427900

N

Exploits Valley and Beothuk Trail

Newfoundland T'Railway

Second Ave

First Ave

Rewa Rd

Lingard Pl

Adams Ave

Greenridge Rd

Main St

Sta: 27.8131
Name: R25

20 m

15 m

Exploits River

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
Name: Survey ID (n/a if not surveyed)
Cross Sections

NOTES:

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0 15 30 60 90 120 Meters

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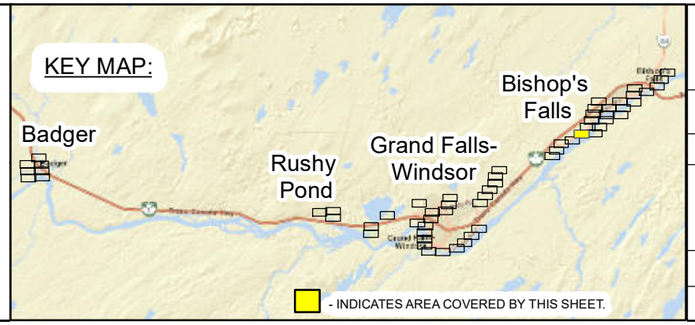
KEY MAP:



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Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
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DETAIL MAP

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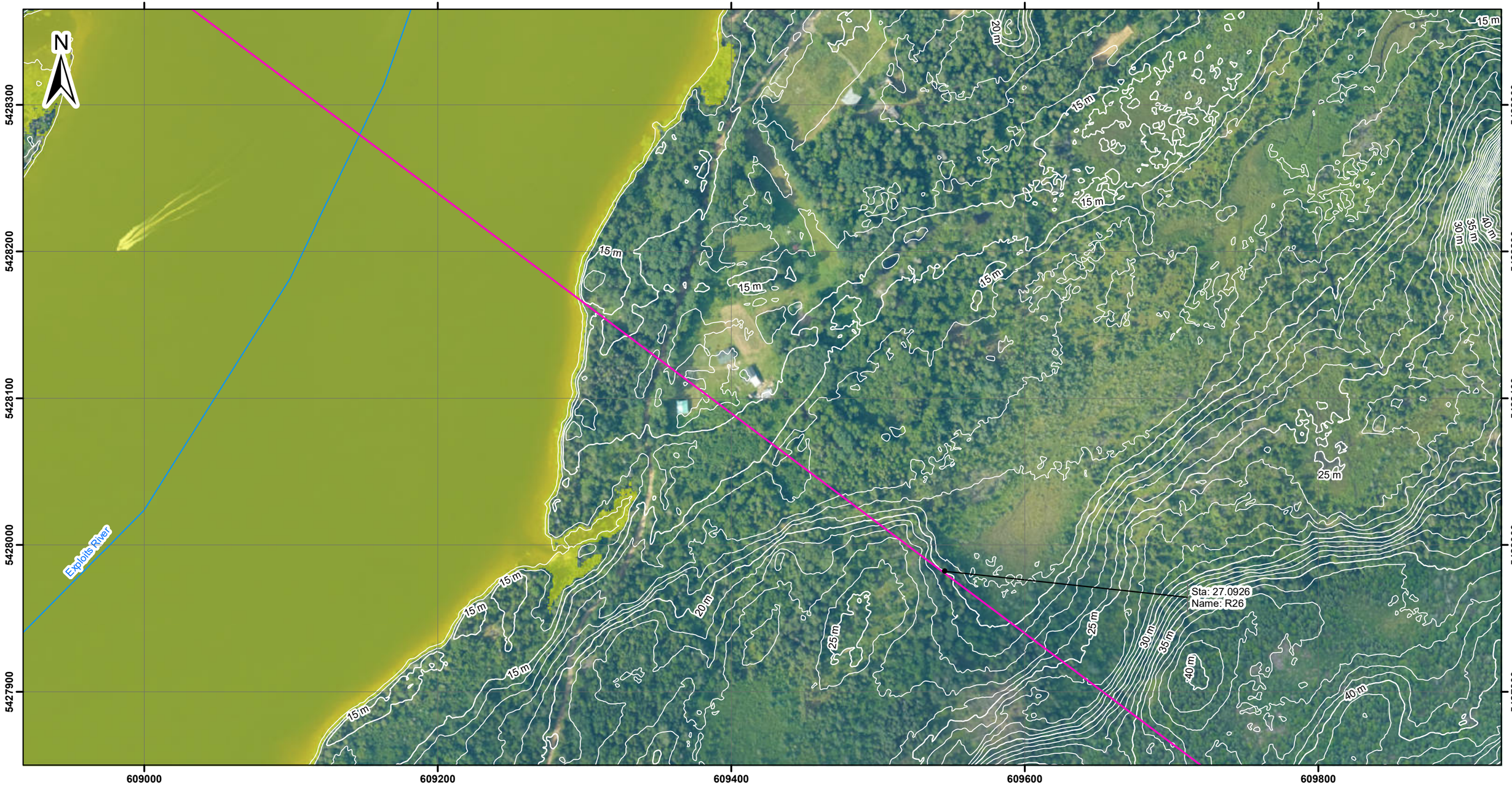

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

- Overland Flooding
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

Sta: Station
Name: Survey ID (n/a if not surveyed)

- Cross Sections

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0 15 30 60 90 120 Meters

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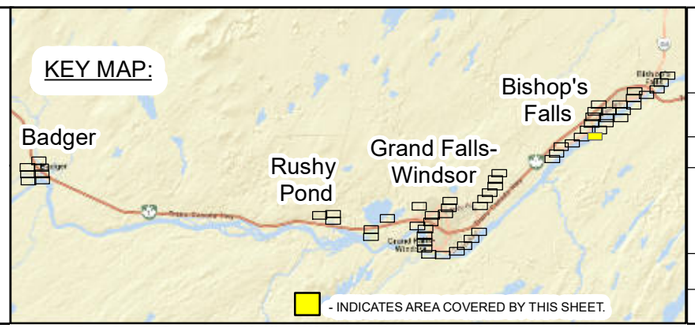

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Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

608400 608600 608800 609000 609200 609400

5428800 5428700 5428600 5428500 5428400 5428300

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
Name: Survey ID (n/a if not surveyed)
Cross Sections

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0 15 30 60 90 120 Meters

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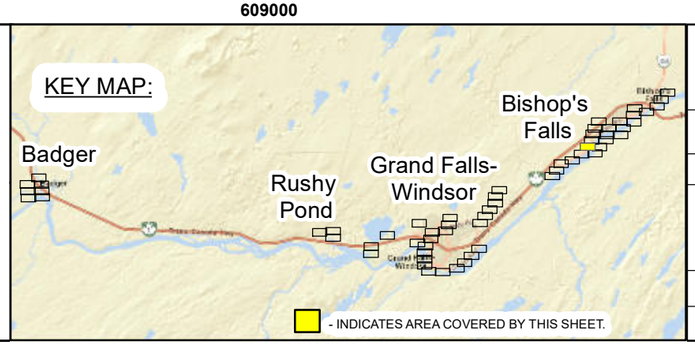

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Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
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DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
Name: Survey ID (n/a if not surveyed)
Cross Sections

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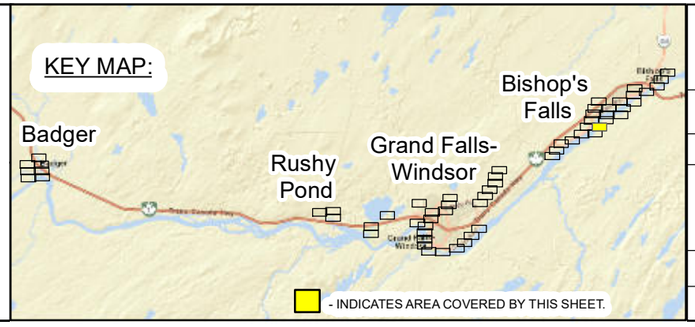

HATCH

Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

608800 609000 609200 609400 609600

5429200 5429100 5429000 5428900 5428800

N

Trans Canada Hwy

BF3-CR-1

Mchanons Ln

Overland Flooding

Station Rd

Newfoundland T/Railway

Sta: 0.2634
Name: BF3_01A

BF3

Sta: 26.3491
Name: R27

Sta: 0.2728
Name: BF3_01B

Sta: 0.2034
Name: BF3_01

Main St

Exploits Ln

Exploits River

Exploits Valley and Beothuk Trail

Newfoundland T/Railway

45 m 40 m 50 m 35 m 30 m 25 m 20 m 15 m

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
Name: Survey ID (n/a if not surveyed)
Cross Sections

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0 15 30 60 90 120 Meters

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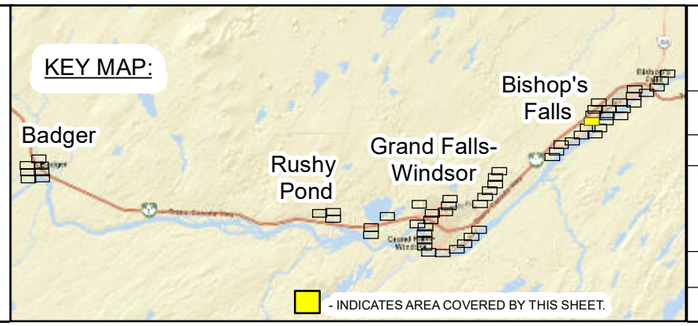

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Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

609800 610000 610200 610400 610600

5429200 5429100 5429000 5428900 5428800

N

Exploits River

Newfoundland TRailway

Sta: 25.2424
Name: n/a

Sta: 25.3931
Name: R28A

Sta: 25.6408
Name: R28

Sta: 25.2785
Name: R29-1

Sta: 25.2607
Name: R29-2

15 m 20 m 25 m 30 m 35 m 40 m 45 m

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
Name: Survey ID (n/a if not surveyed)
Cross Sections

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0 15 30 60 90 120 Meters

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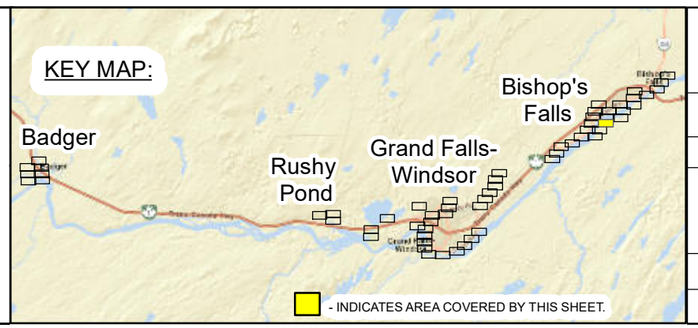

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Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

608800 609000 609200 609400 609600

5429700 5429600 5429500 5429400 5429300 5429200

N

Sta: 0.9728
Name: BF3_34

Sta: 0.9232
Name: BF3_32

Sta: 0.8646
Name: BF3_31

Sta: 0.9315
Name: BF3_33

Sta: 0.8210
Name: BF3_30B

Sta: 0.8128
Name: BF3_30A

Sta: 0.7811
Name: BF3_30

Sta: 0.7687
Name: BF3_28

Sta: 0.7753
Name: BF3_29

Sta: 0.7634
Name: BF3_27

Sta: 0.7448
Name: BF3_26

Sta: 0.7399
Name: BF3_25

Sta: 0.7299
Name: BF3_24

Sta: 0.7250
Name: BF3_23

Sta: 0.6956
Name: BF3_21

Sta: 0.6889
Name: BF3_20

Sta: 0.7031
Name: BF3_22

Sta: 0.6819
Name: BF3_19

Sta: 0.6546
Name: BF3_18

Sta: 0.6471
Name: BF3_17

Sta: 0.4815
Name: BF3_13

Sta: 0.4754
Name: BF3_12

Sta: 0.5570
Name: BF3_14

Sta: 0.6126
Name: BF3_15

Sta: 0.6279
Name: BF3_16

BF3-CR-7
BF3-CR-6
BF3-CR-5
BF3-CR-4
BF3-CR-3
BF3-CR-2
BF3-CR-1

BF3

Overland Flooding

Trans-Canada Hwy
Dominic St
Hynes Ln
Access C
Andrews Ln
Helen Tulk Dr
Main St
Beaumont Heights
Station Rd
Mohanons Ln
Newfoundland T/Railway

40 m
45 m
50 m
35 m
30 m
25 m
20 m
15 m

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
Name: Survey ID (n/a if not surveyed)
Cross Sections

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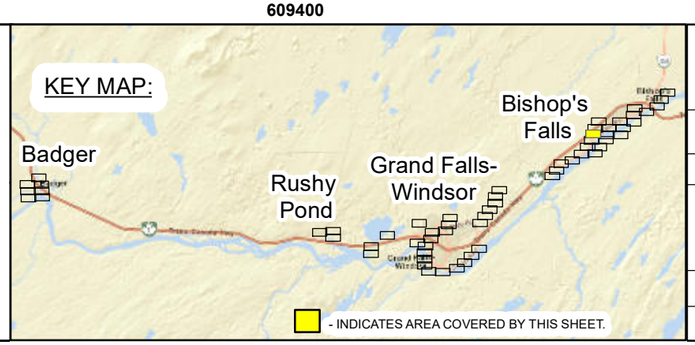
0 15 30 60 90 120
Meters

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 #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

609800 610000 610200 610400 610600

5429600 5429500 5429400 5429300 5429200

N

40 m 35 m 25 m 20 m 15 m

Main St

Station Rd

Farrell Pl

Newfoundland TRailway

Cramming's Ln

Riverside Dr

Exploits River

E-CR-2

NLENHM0003

Sta: 25.2424
Name: n/a

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

- Overland Flooding
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

Sta: Station
Name: Survey ID (n/a if not surveyed)

- Cross Sections

NOTES:

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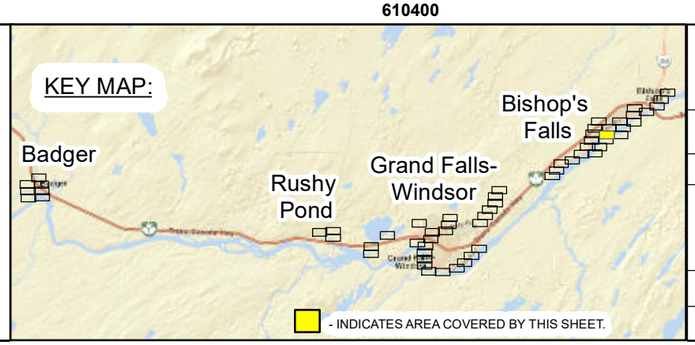
4. Topographic map and world imagery outside project area by ESRI.

0 15 30 60 90 120 Meters

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

KEY MAP:



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Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

610800 611000 611200 611400 611600

5429600 5429500 5429400 5429300 5429200

N

Exploits River

15 m 15 m 15 m 15 m 15 m 20 m 15 m 20 m 25 m 30 m

Newfoundland Railway

Sta: 24.9854
Name: R29-2A

Sta: 24.7007
Name: R30

610800 611000 611200 611400 611600

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
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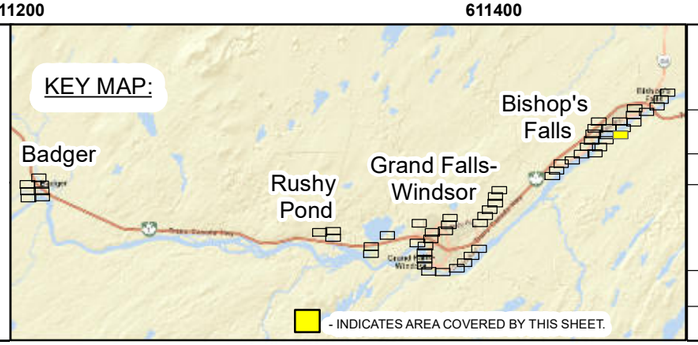

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Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
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DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

609000 609200 609400 609600 609800

5430100 5430000 5429900 5429800 5429700 5429600

N

Sta: 1.3364
Name: BF3_36

Sta: 1.3954
Name: BF3_37

Sta: 0.9835
Name: BF3_35

Sta: 0.9728
Name: BF3_34

Sta: 0.9232
Name: BF3_32

Sta: 0.8646
Name: BF3_31

Sta: 0.9315
Name: BF3_33

Sta: 0.8210
Name: BF3_30B

Sta: 0.8128
Name: BF3_30A

BF3-CR-7

BF3

Trans-Canada Hwy

Aspen St

Birch St

Maple St

Andrews Ln

Flynes Ln

Access C

Main St

45 m 50 m 40 m 35 m 55 m 30 m 25 m 20 m

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
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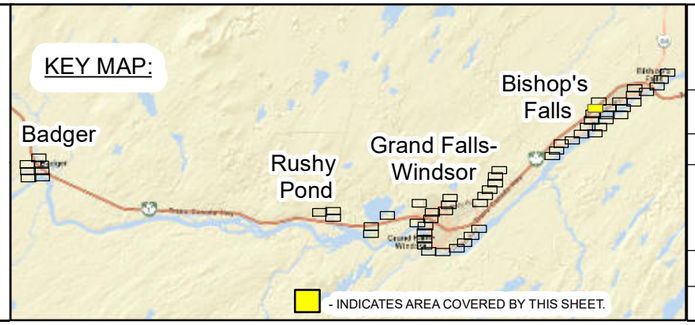

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610000 610200 610400 610600 610800

5430100 5430000 5429900 5429800 5429700

N

55 m 60 m 65 m 50 m 45 m 40 m 35 m 30 m 25 m 20 m 15 m

Hamptons Hill

Stanley Ave

Kinsmen Dr

Exploits Valley and Beothuk Trail

Main St

Centennial Dr

Riverside Dr

Newfoundland TRailway

Exploits River

610000 610200 610400 610600 610800

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
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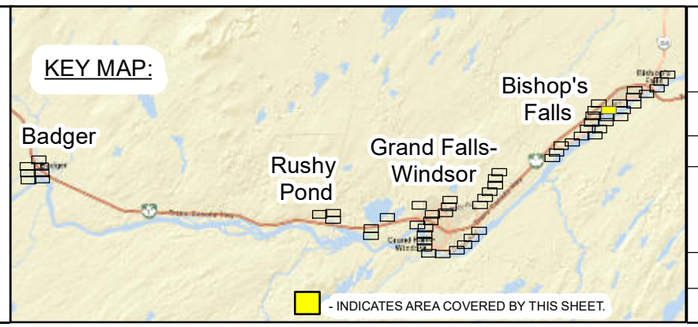

- INDICATES AREA COVERED BY THIS SHEET.

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WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

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DETAIL MAP

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611000 611200 611400 611600 611800

5430100 5430000 5429900 5429800 5429700

N

Exploits Valley and Beothuk Trail

Sydney St

Riverside Dr

Exploits River

Newfoundland T'Railway

15 m 15 m 15 m 15 m 15 m 15 m 5 m 10 m 15 m 25 m 20 m

Sta: 24.1375
Name: R31

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
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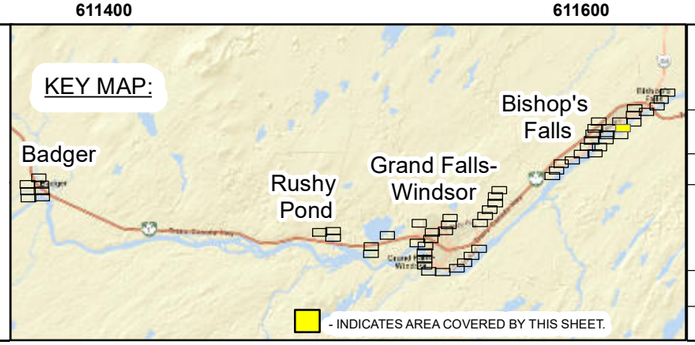

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WATER RESOURCES MANAGEMENT DIVISION

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609200 609400 609600 609800 610000

5430500 5430400 5430300 5430200 5430100

N

60 m 55 m 50 m 45 m 65 m

Sta: 1.7353
Name: BF3_39

Sta: 1.5001
Name: BF3_38

Sta: 2.1832
Name: BF3_40

BF3

Trans-Canada Hwy

Hamptons Hill

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
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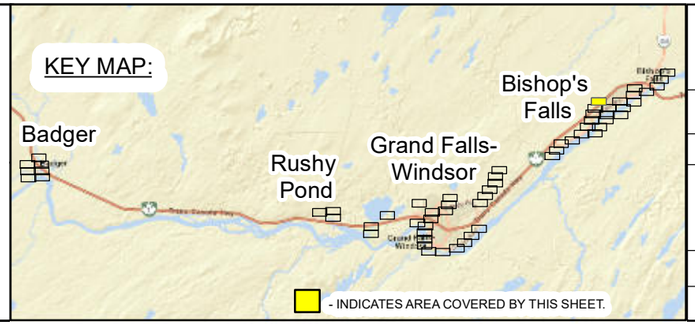

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DETAIL MAP

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610800 611000 611200 611400 611600

5430500 5430400 5430300 5430200 5430100

N

45 m 40 m 35 m 30 m 25 m 20 m 15 m 10 m 5 m

Sta: 23.7672
Name: n/a

Main St
Newtown Rd
Valleyview Rd
E Trailer Ct
Powerhouse Rd
Mayor Ave
Mill Rd
Forest Rd
Stanley Ave
Exploits Valley and Beothuk Trail
Exploits River

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
Hydrometric Station
Sta: Station
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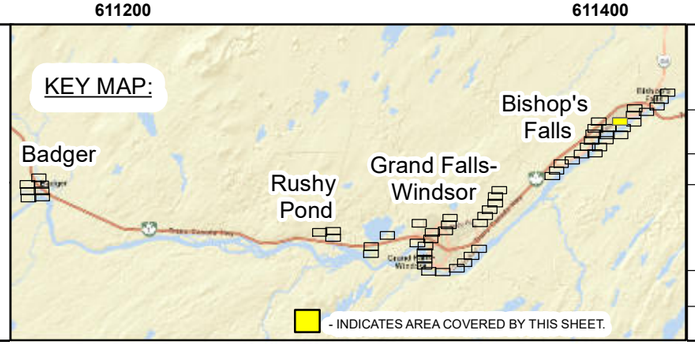

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Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
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DETAIL MAP

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PROJECT #: H-358566

611800 612000 612200 612400 612600

5430500 5430400 5430300 5430200 5430100

N

Exploits River

BT2

Powerhouse Rd

Newfoundland T'Railway

5 m 10 m 15 m 20 m

Sta: 23.3904
Name: RB02

Sta: 23.2380
Name: RB02A

Sta: 23.5744
Name: RB01

Sta: 23.7175
Name: n/a

Sta: 23.646*
Name: n/a

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

Overland Flooding
Watercourse Centerline
1 m Contours
Bridge
Culvert
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Sta: Station
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Cross Sections

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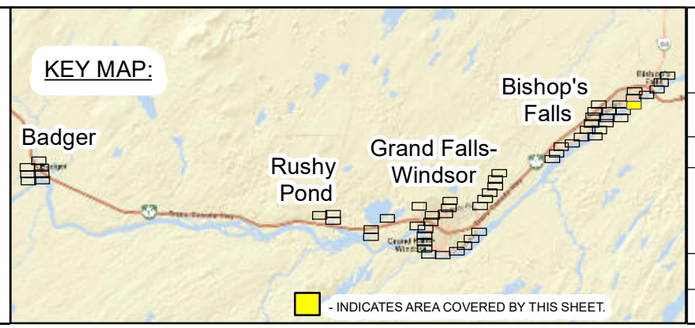

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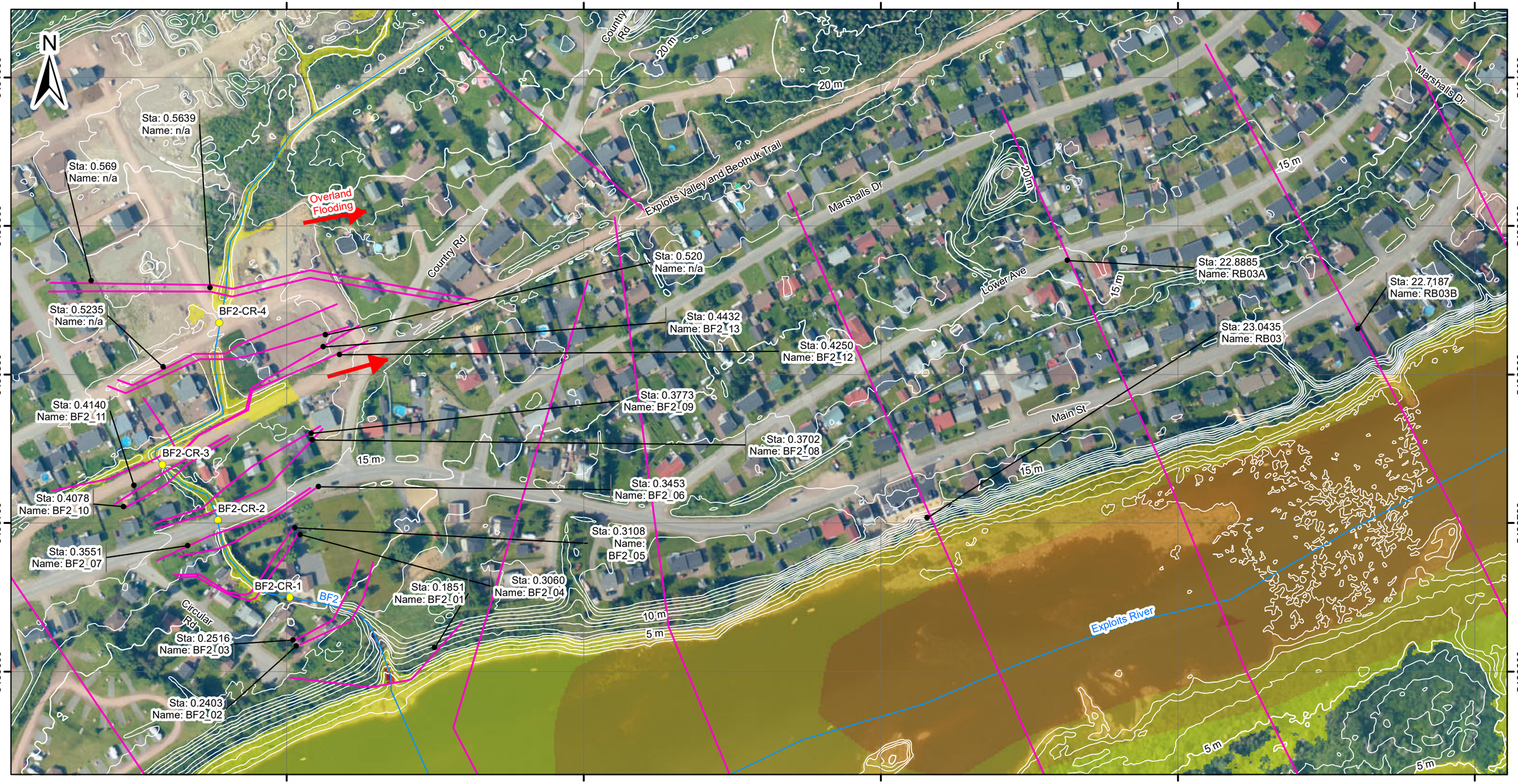

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

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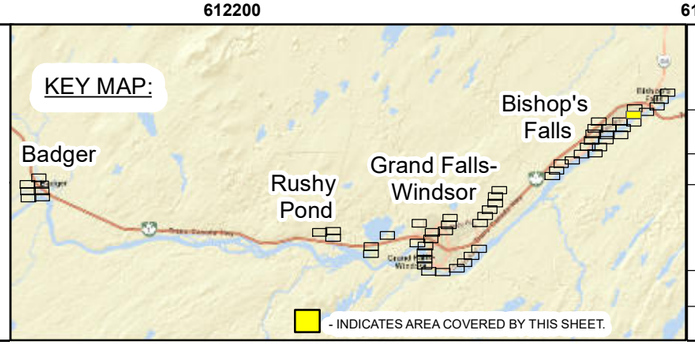

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Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

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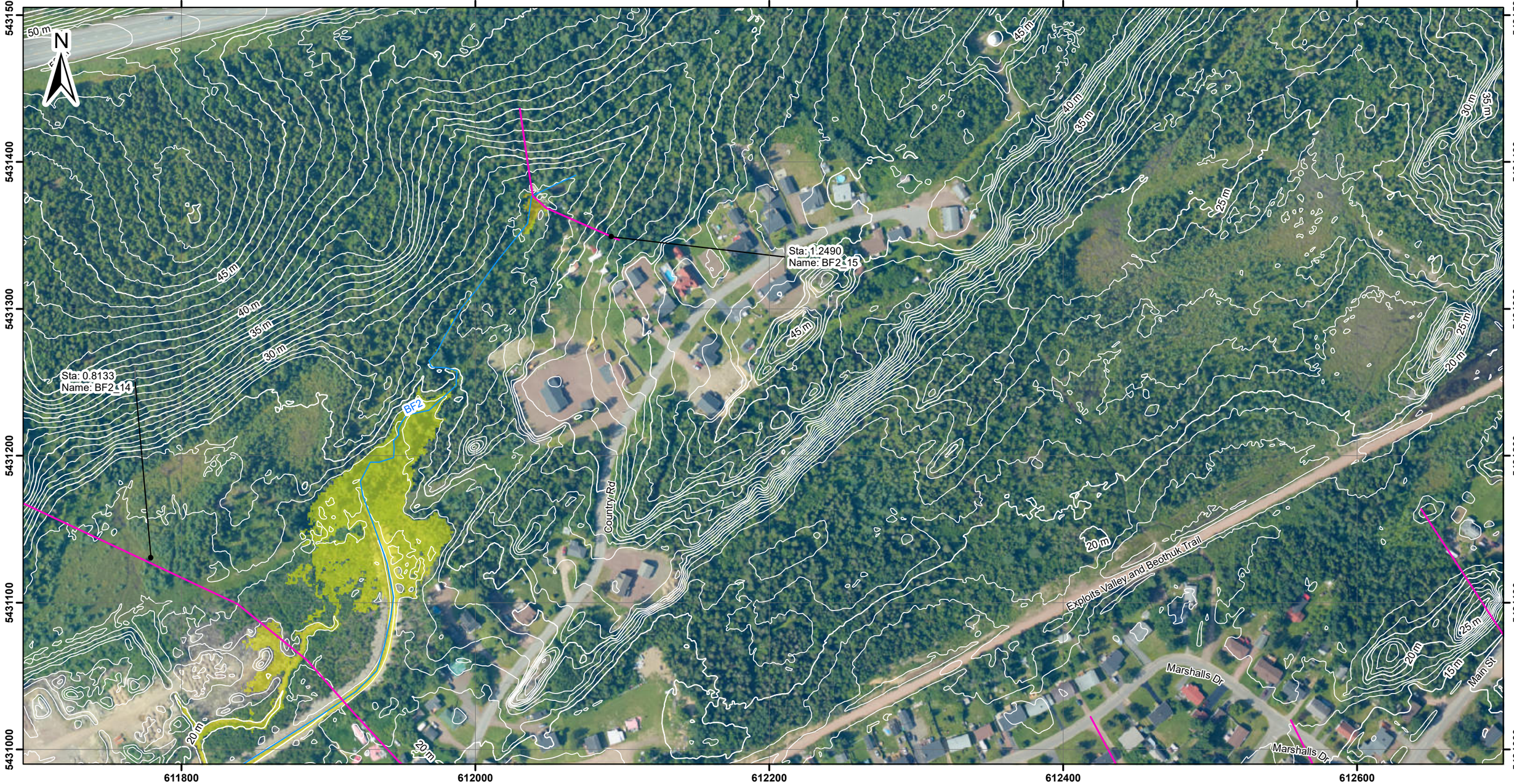

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Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

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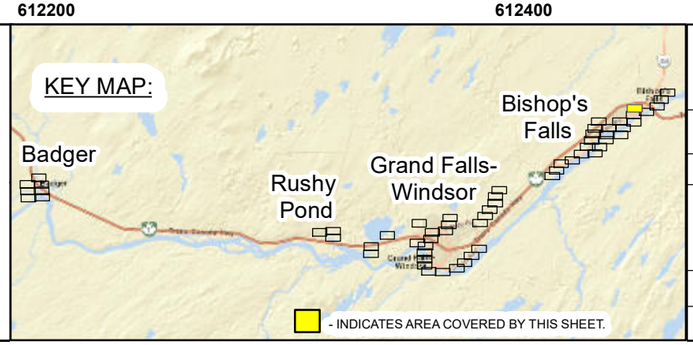

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WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
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DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

612600 612800 613000 613200 613400

5431200 5431100 5431000 5430900 5430800

20 m
N
Exploits Valley and Beothuk Trail
20 m
15 m
15 m
Sta: 21.8941
Name: RB06
Sta: 21.7690
Name: RB07A
10 m
Trans-Canada Hwy
Sta: 22.1303
Name: RB05
E-CR-1
Exploits River
15 m
0 m
20 m
Main St
Bond St
Sta: 22.4171
Name: RB04A
10 m
0 m
Marshalls Dr
5 m
0 m
0 m
0 m
0 m
0 m
0 m
Sta: 22.6067
Name: RB04
5 m
0 m
0 m
Sta: 22.7187
Name: RB03B
5 m
5 m
10 m

612600 612800 613000 613200 613400

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

- Overland Flooding
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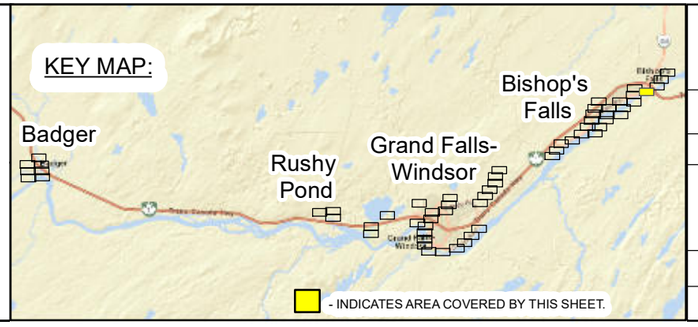

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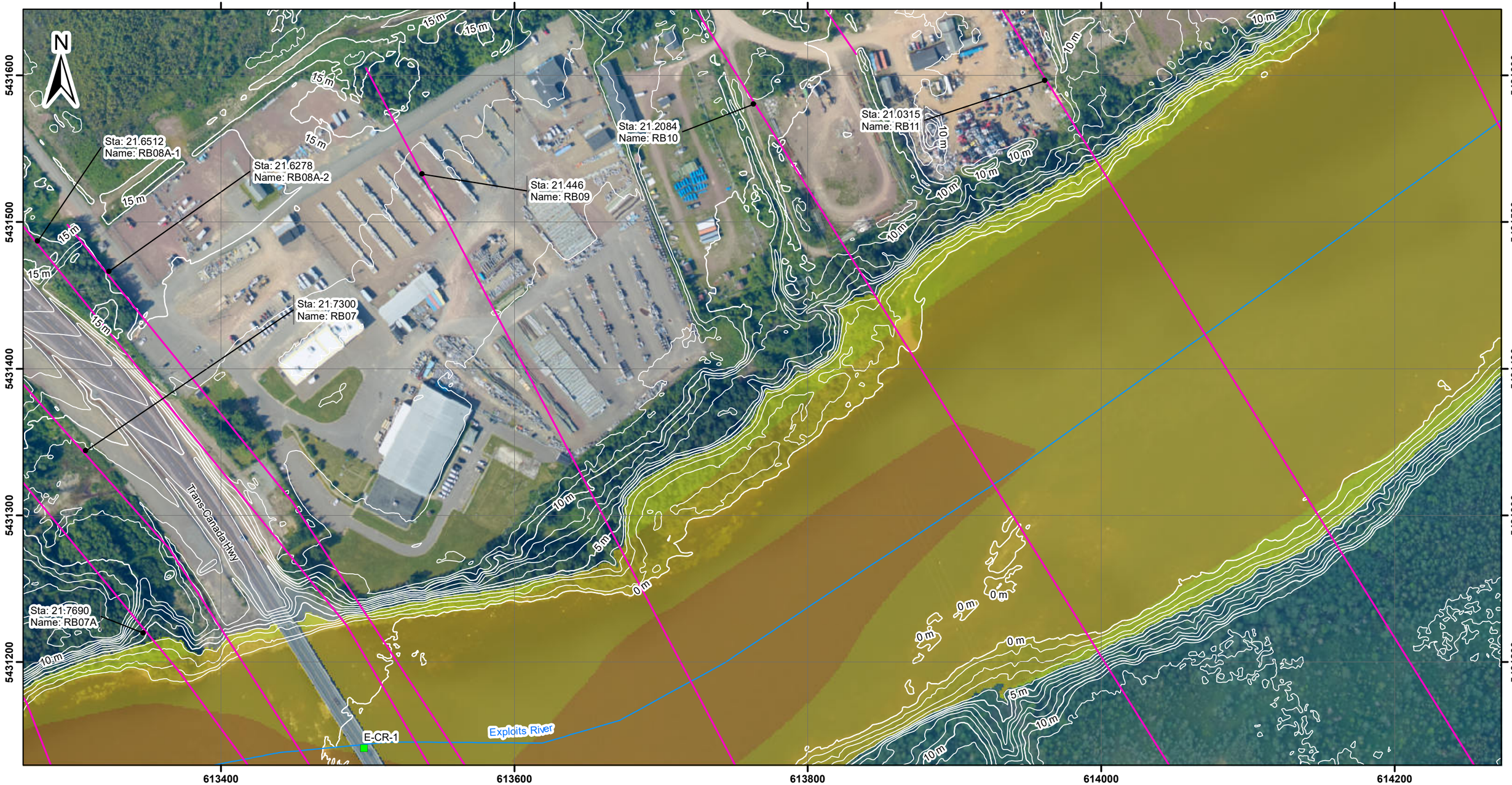

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Water Velocity (m/s)

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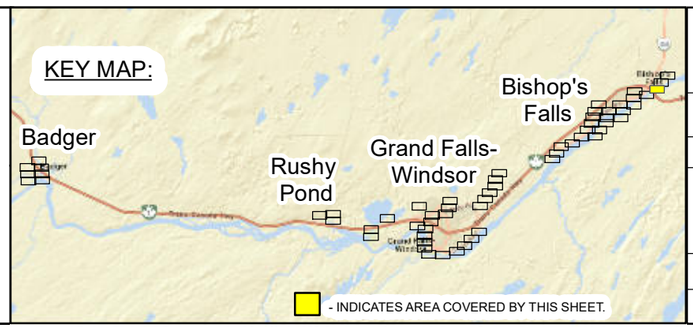

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Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

Legend

Water Velocity (m/s)

- 0 - 1
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- 2 - 3
- 3 - 4
- 4 - 5
- > 5

- Overland Flooding
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- 1 m Contours
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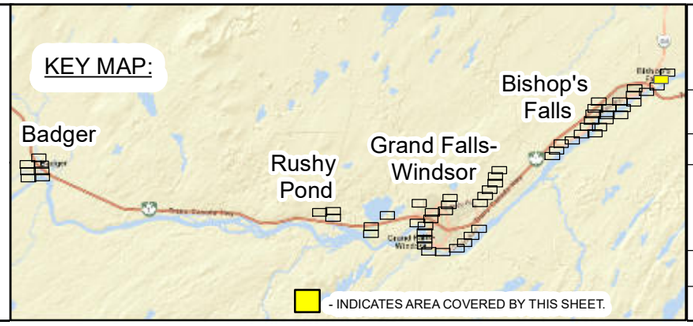


HATCH

Newfoundland Labrador

WATER RESOURCES MANAGEMENT DIVISION

EXPLOITS RIVER FLOOD RISK MAPPING STUDY

MAP SET #7
FLOOD VELOCITY MAP
1:20 AEP - CURRENT CLIMATE
DETAIL MAP

DATE:5/17/2021

PROJECT #: H-358566

Legend

Water Velocity (m/s)

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- > 5

- Overland Flooding
- Watercourse Centerline
- 1 m Contours
- Bridge
- Culvert
- Hydrometric Station

Sta: Station
Name: Survey ID (n/a if not surveyed)

- Cross Sections

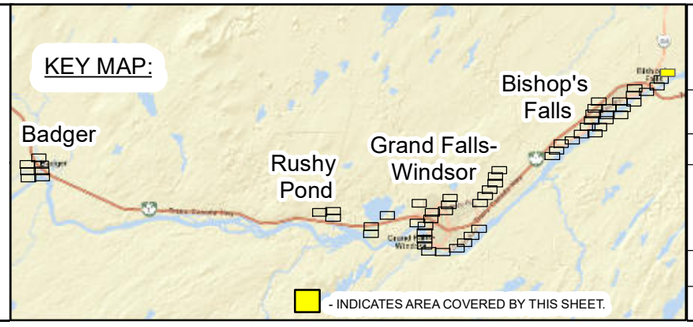
NOTES:

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. Lidar data by Leading Edge Geomatics Aug. 15-16, 2019.
3. Aerial imagery in project area by Leading Edge Geomatics Jul. 25-26, 2019.
4. Topographic map and world imagery outside project area by ESRI.

0 15 30 60 90 120 Meters

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

KEY MAP:



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