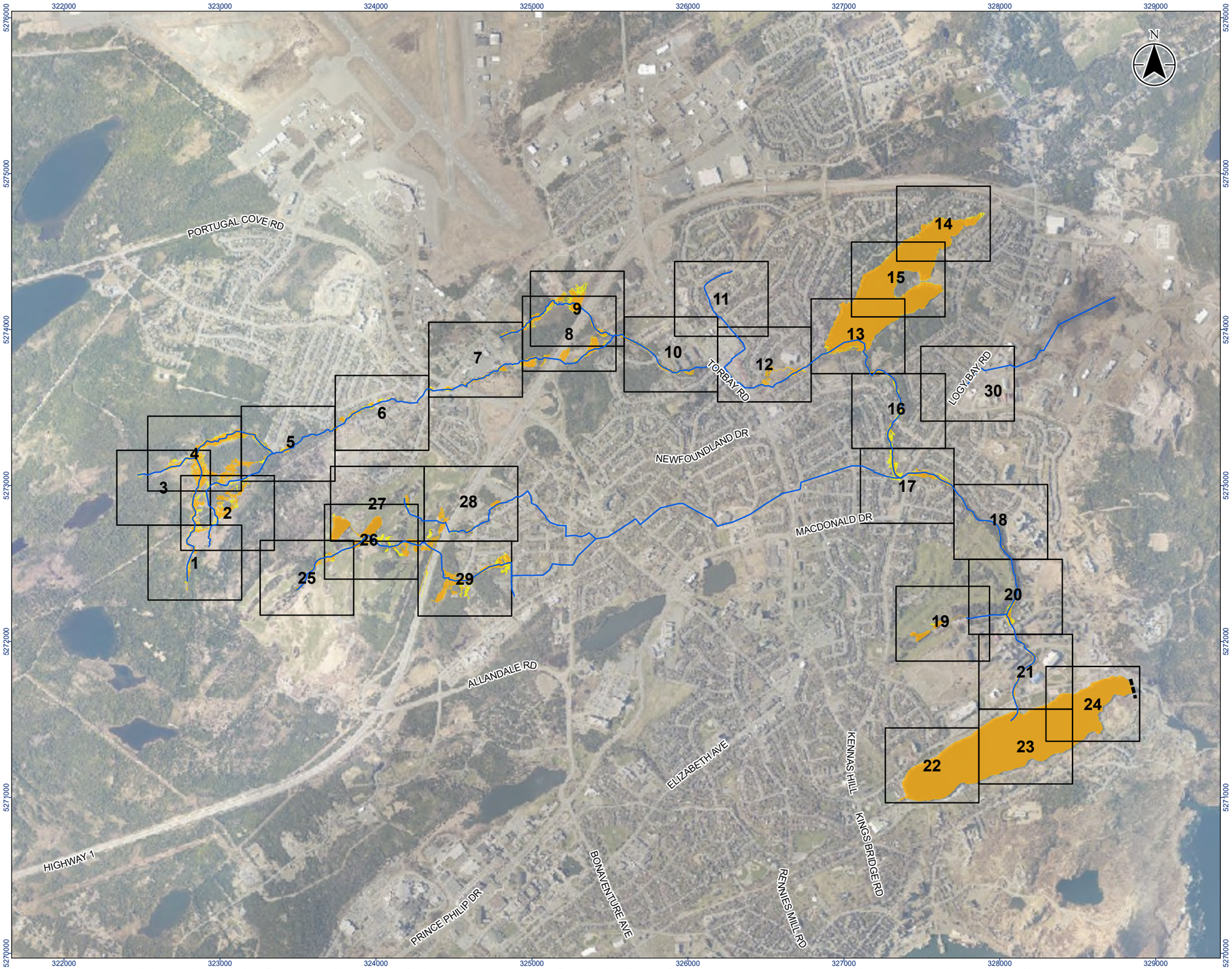

Stantec

Legend

- River/Creek Centreline
- Limit of Mapping
- Map Extents
- 20-Year Flood Zone
- 100-Year Flood Zone

0 490 980 m

1:25,000 (At original document size of 11x17)

Notes

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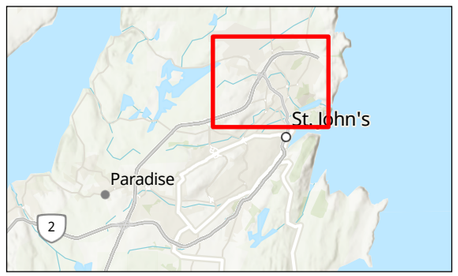

Project Location
City of St. John's

163401903 REVA
Prepared by kebuchanan on 2024-12-19

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-0

Title
Climate Change Condition AEP Flood Zone - Virginia River Overview Map

\\ca0217-pfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_FL_Overview_Mapbooks.aprx\163401903_FigX-0_FL_ClimateChange_Overview Revised on 12/19/2024 2:24 PM by kebuchanan

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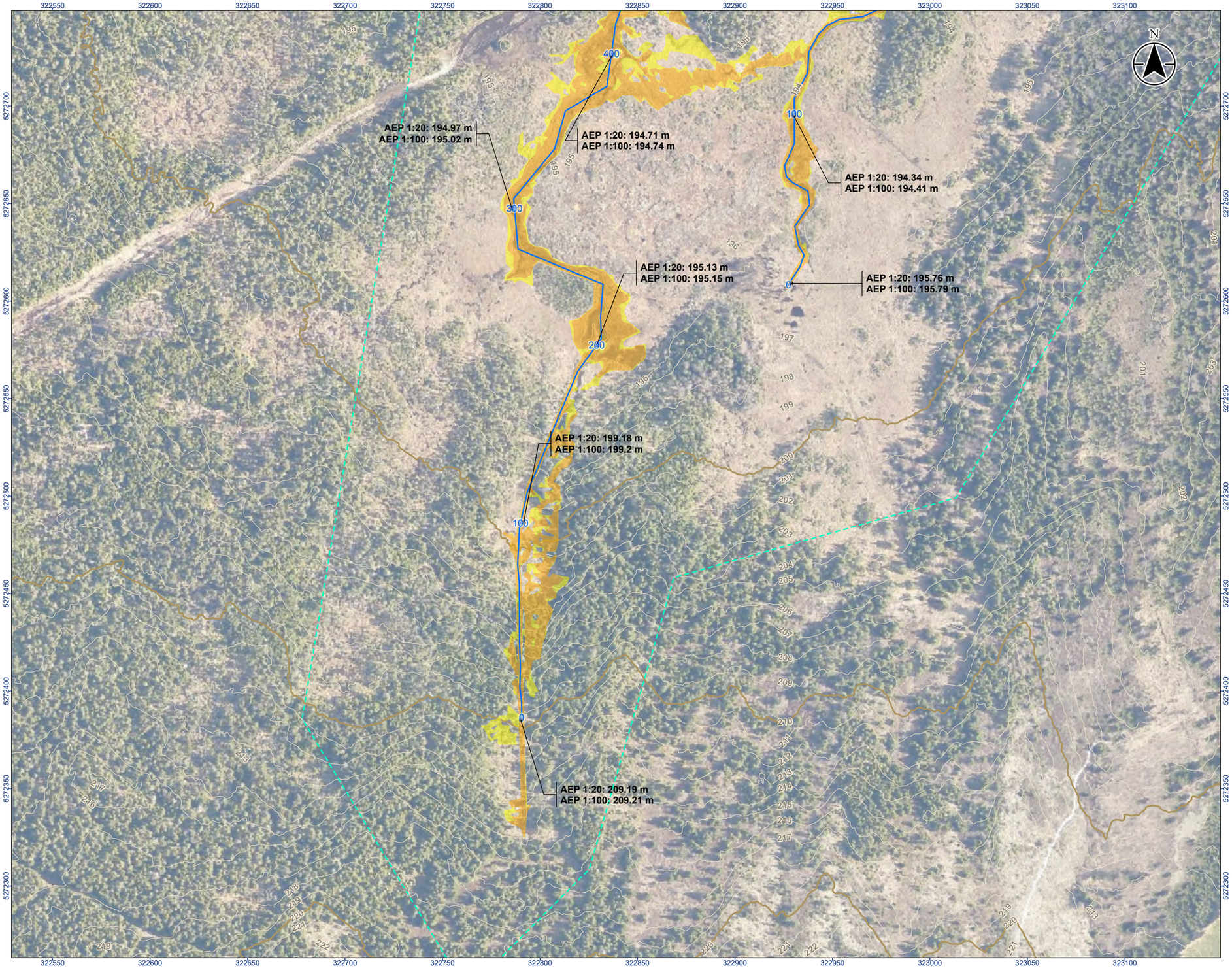

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m
1:2,000 (At original document size of 11x17)

Notes

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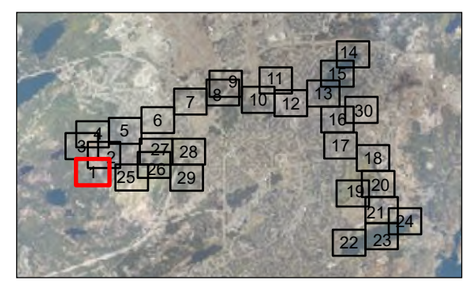

Project Location
City of St. John's

163401903 REVA
Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-1

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 1 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_FL_ClimateChange_Mapbooks.aprx\163401903_Fig14-x_FL_ClimateChange_VirginiaRiver Revised on 6/3/2025 2:45 PM by kaitang

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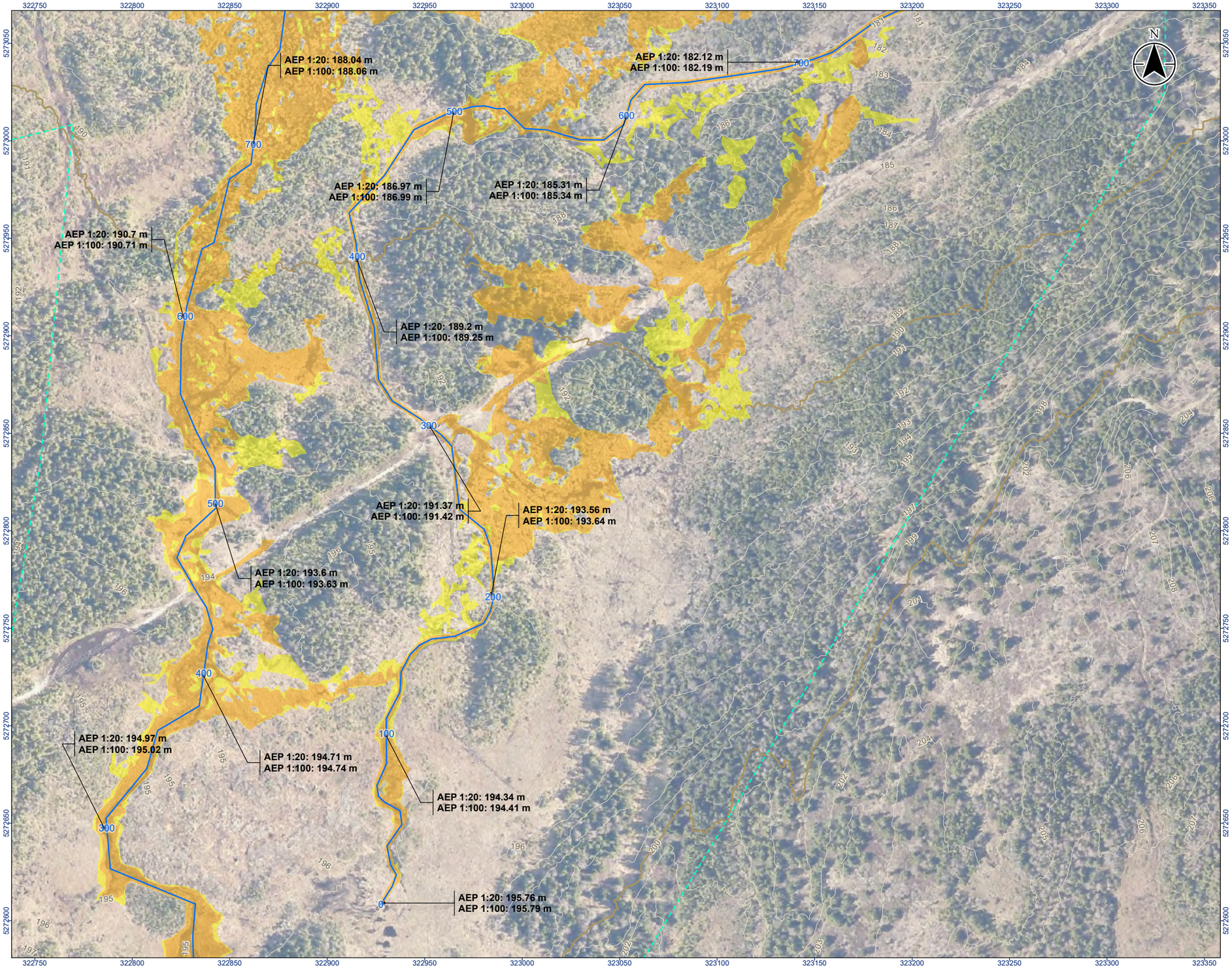

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

1:2,000 (At original document size of 11x17)

Notes

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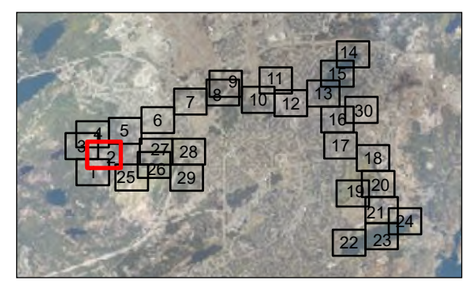

Project Location
City of St. John's

163401903 REVA
Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-2

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 2 of 30

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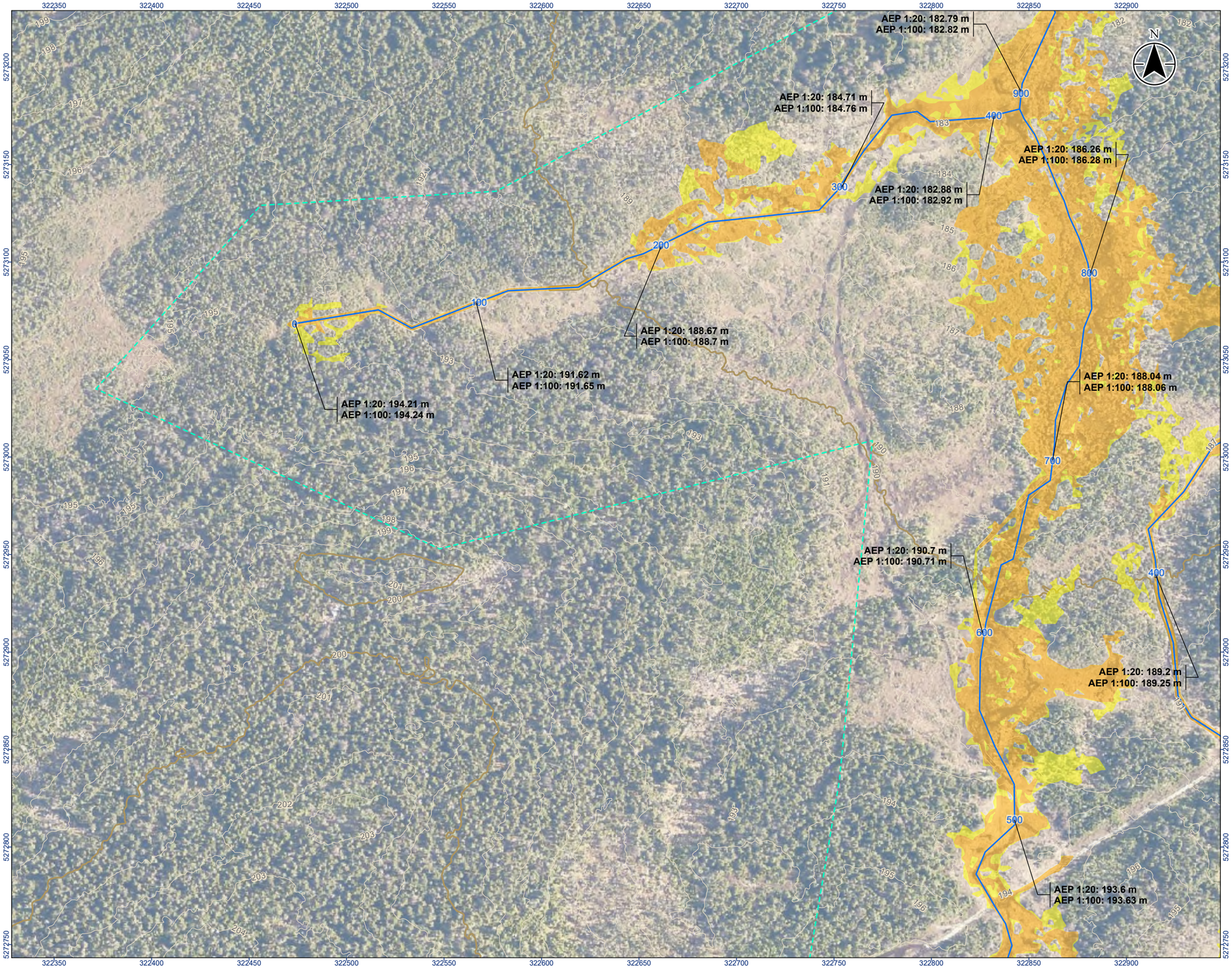

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m
1:2,000 (At original document size of 11x17)

Notes

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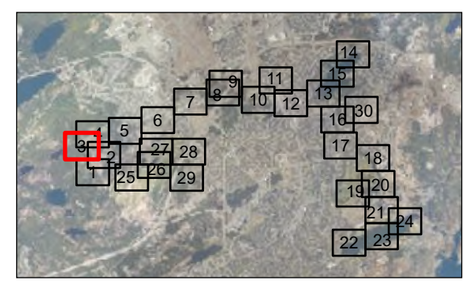

Project Location
City of St. John's

163401903 REVA
Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY
FOR THE CITY OF ST. JOHN'S

Figure No.
14-3

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 3 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_FL_ClimateChange_Mapbooks.aprx\163401903_Fig14-x_FL_ClimateChange_VirginiaRiver Revised on 6/3/2025 2:45 PM by kaitang

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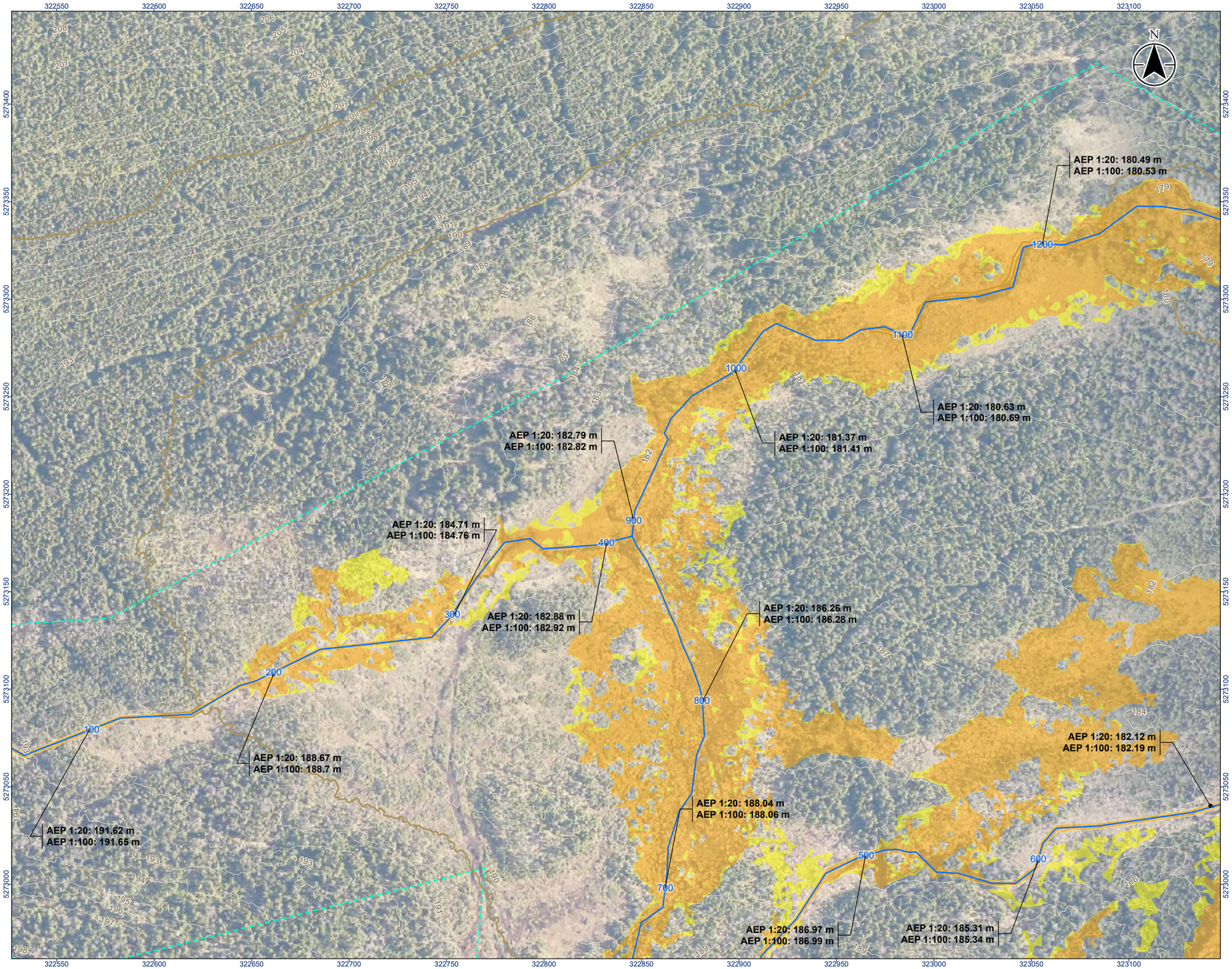

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m
1:2,000 (At original document size of 11x17)

Notes

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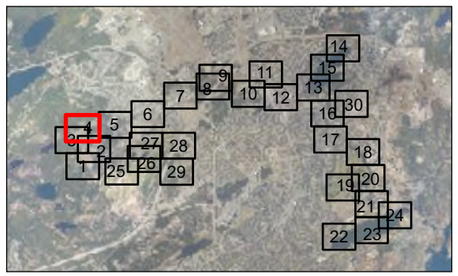

Project Location
City of St. John's

163401903 REVA
Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-4

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 4 of 30

\\ca0217-pfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_FL_ClimateChange_Mapbooks.aprx\163401903_Fig14-x_FL_ClimateChange_VirginiaRiver Revised on 6/3/2025 2:45 PM by kaitang

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Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

1:2,000 (At original document size of 11x17)

Notes

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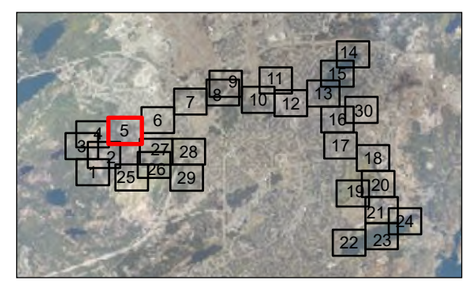

Project Location
City of St. John's

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Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-5

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 5 of 30

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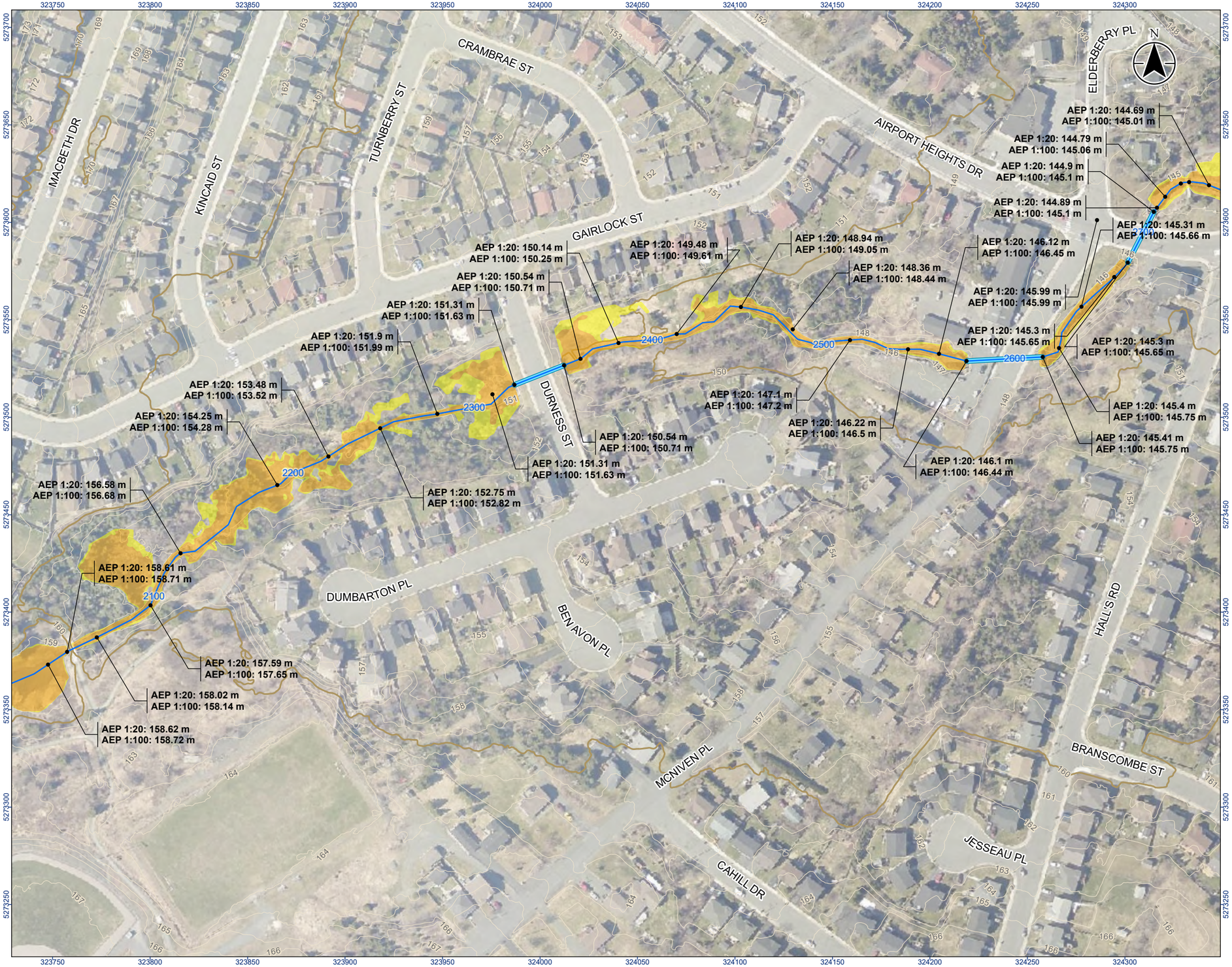

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

1:2,000 (At original document size of 11x17)

Notes

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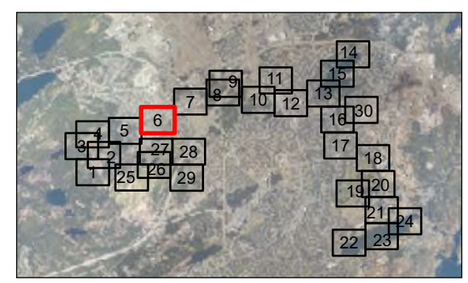

Project Location
City of St. John's

163401903 REVA
Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-6

Title
Climate Change Condition AEP Flood Zone - Virginia River Sheet 6 of 30

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Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

1:2,000 (At original document size of 11x17)

Notes

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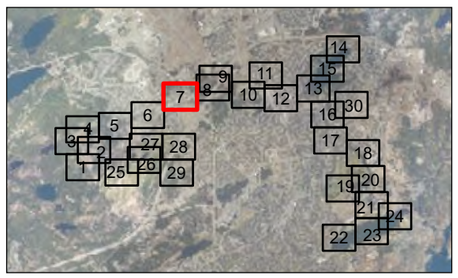

Project Location
City of St. John's

163401903 REVA
Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-7

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 7 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_FL_ClimateChange_Mapbooks.aprx\163401903_Fig14-x_FL_ClimateC Revised on 6/3/2025 2:45 PM by kaitang

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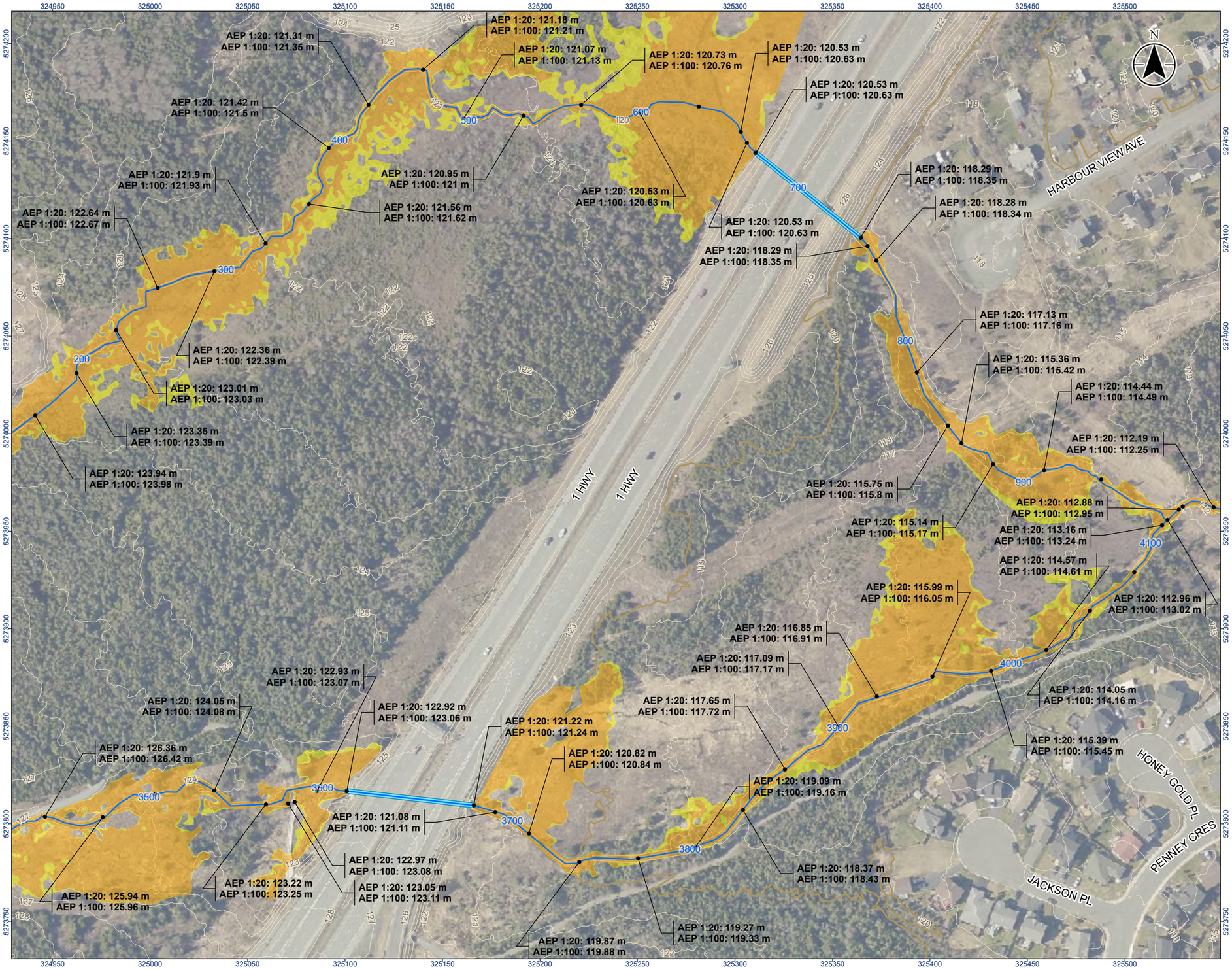

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

1:2,000 (At original document size of 11x17)

Notes

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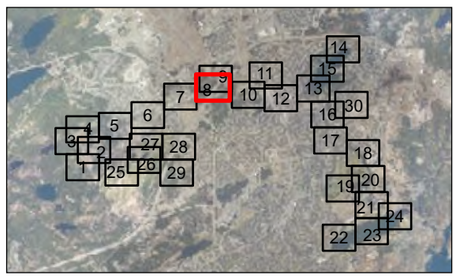

Project Location
City of St. John's

163401903 REVA
Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-8

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 8 of 30

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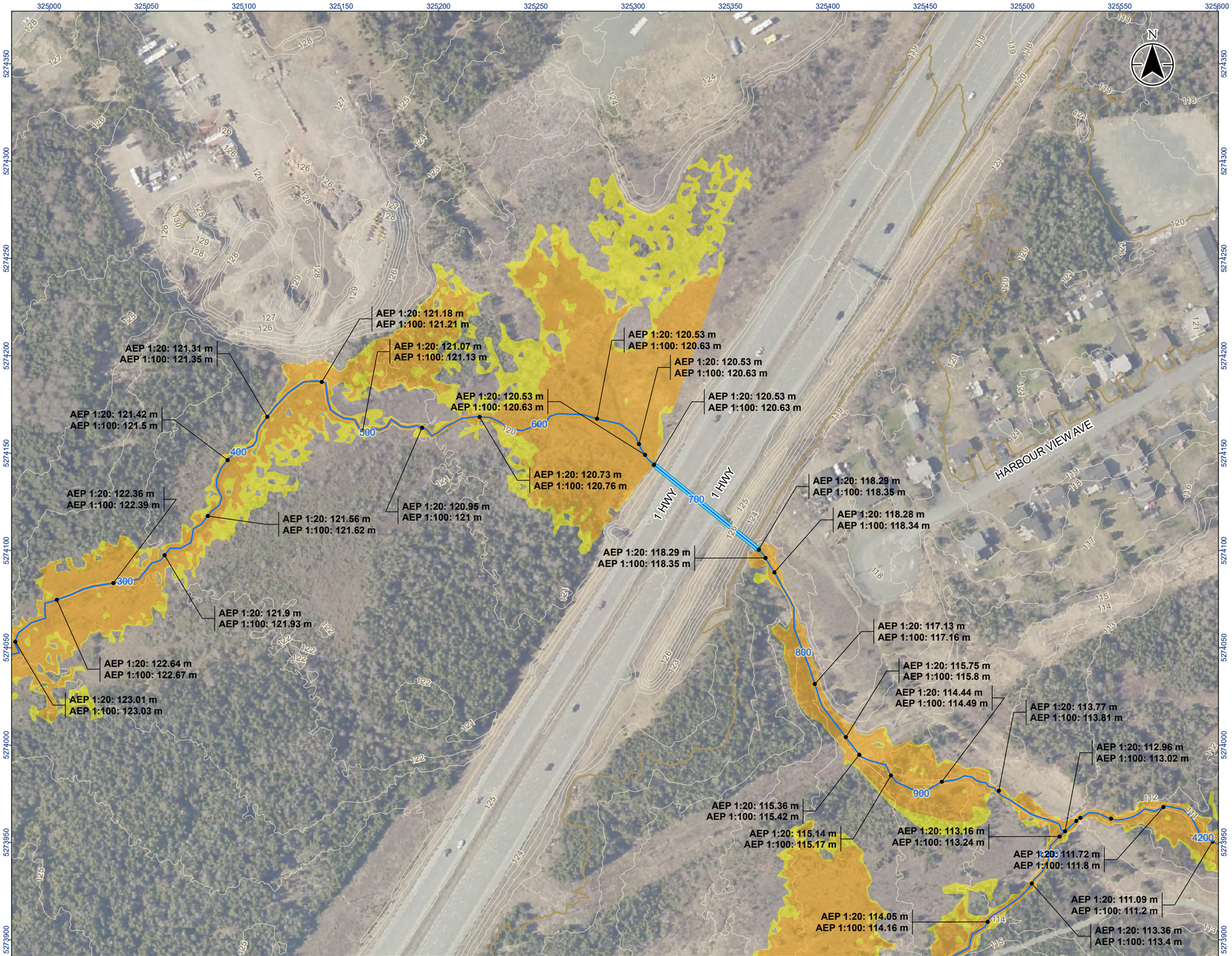

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

1:2,000 (At original document size of 11x17)

Notes

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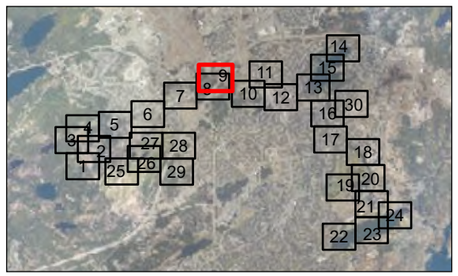

Project Location
City of St. John's

163401903 REVA
Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-9

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 9 of 30

\\ca0217-pfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_FL_ClimateChange_Mapbooks.aprx\163401903_Fig14-x_FL_ClimateChange_VirginiaRiver Revised on 6/3/2025 2:45 PM by kaitang

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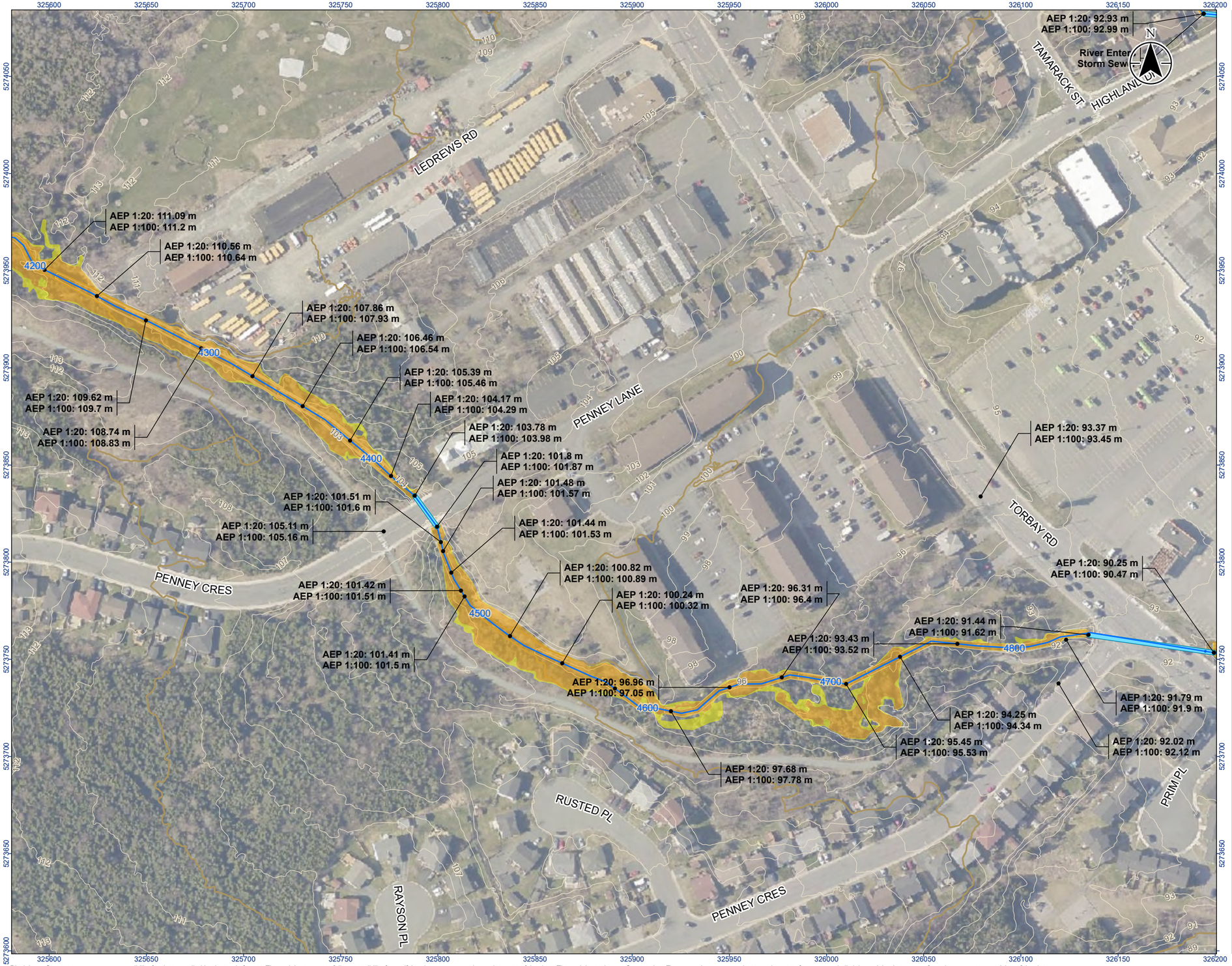

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

1:2,000 (At original document size of 11x17)

Notes

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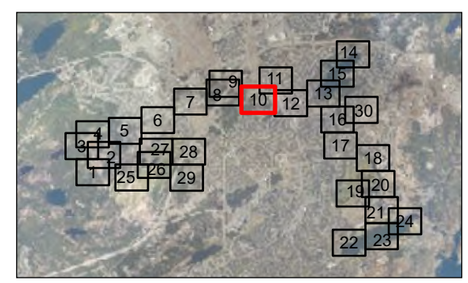

Project Location
City of St. John's

163401903 REVA
Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY
FOR THE CITY OF ST. JOHN'S

Figure No.
14-10

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 10 of 30

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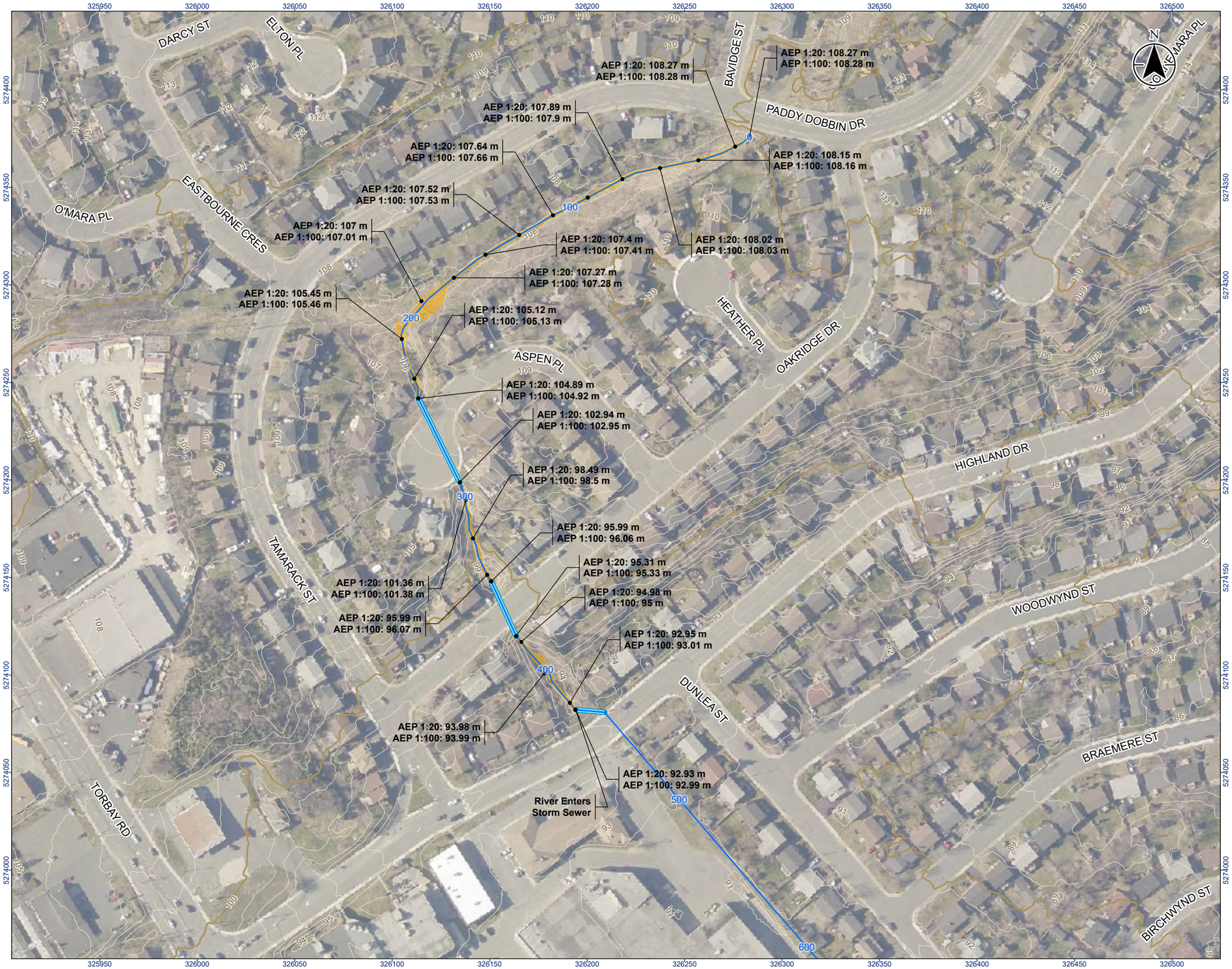

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

1:2,000 (At original document size of 11x17)

Notes

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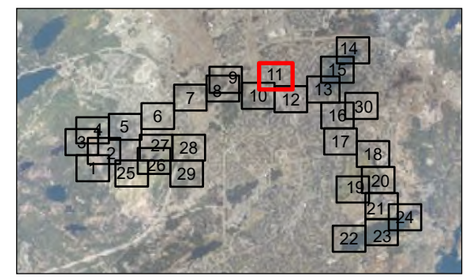

Project Location
City of St. John's

163401903 REVA
Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY
FOR THE CITY OF ST. JOHN'S

Figure No.
14-11

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 11 of 30

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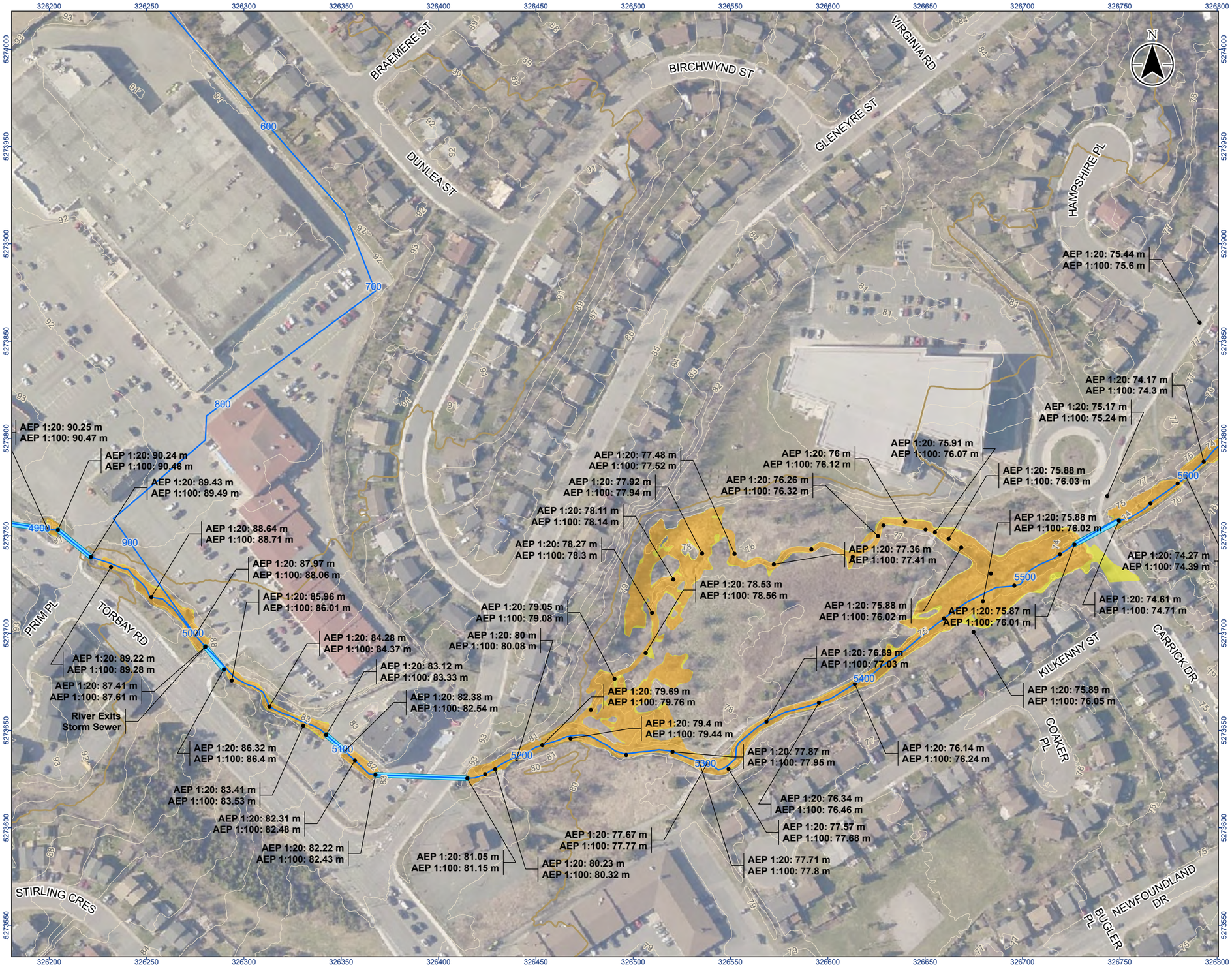

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

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Notes

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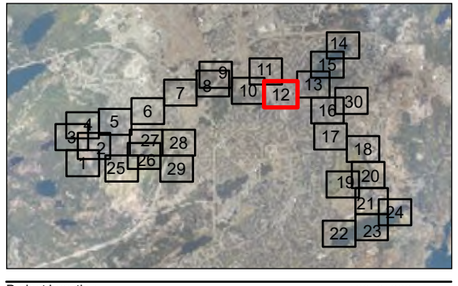

Project Location
City of St. John's

163401903 REVA
Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-12

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 12 of 30

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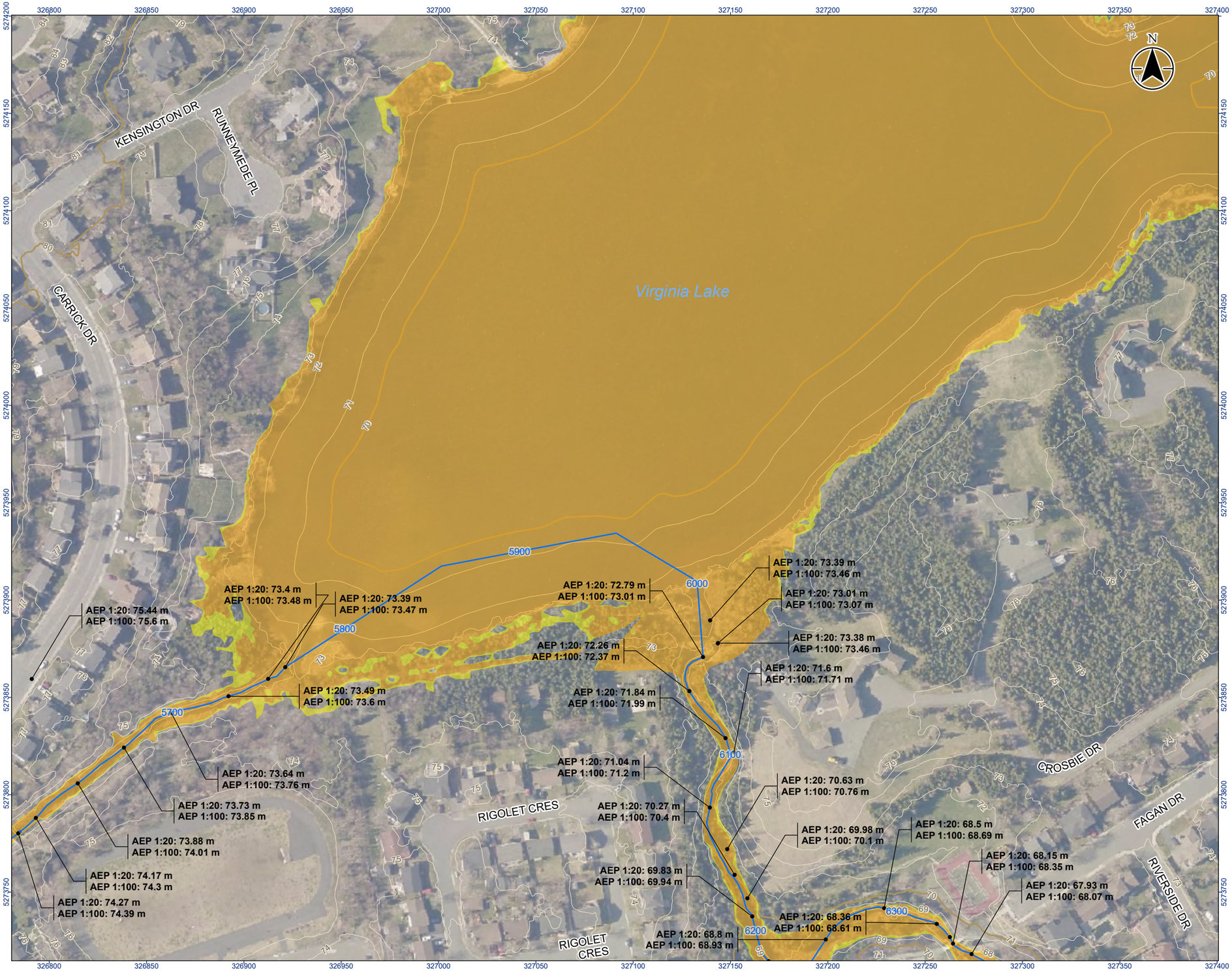

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

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Notes

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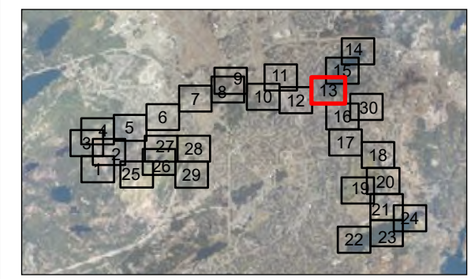

Project Location
City of St. John's

163401903 REVA
Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-13

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 13 of 30

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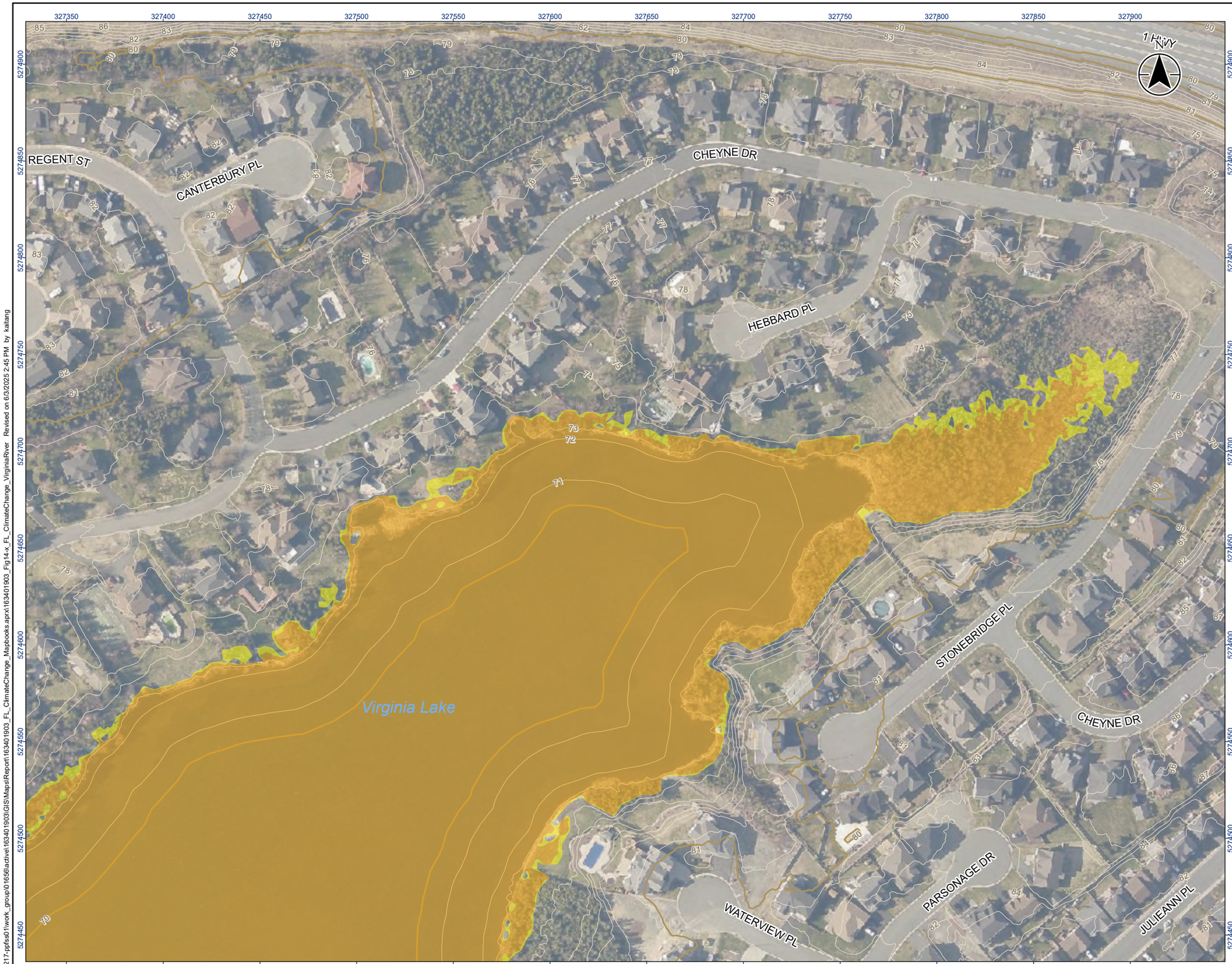

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

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Notes

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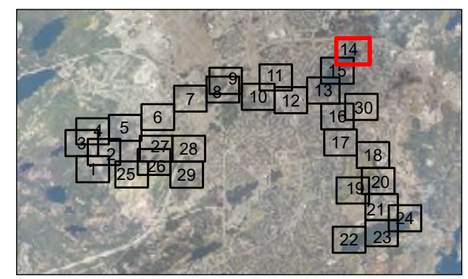

Project Location
City of St. John's

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Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-14

Title
Climate Change Condition AEP Flood Zone - Virginia River Sheet 14 of 30

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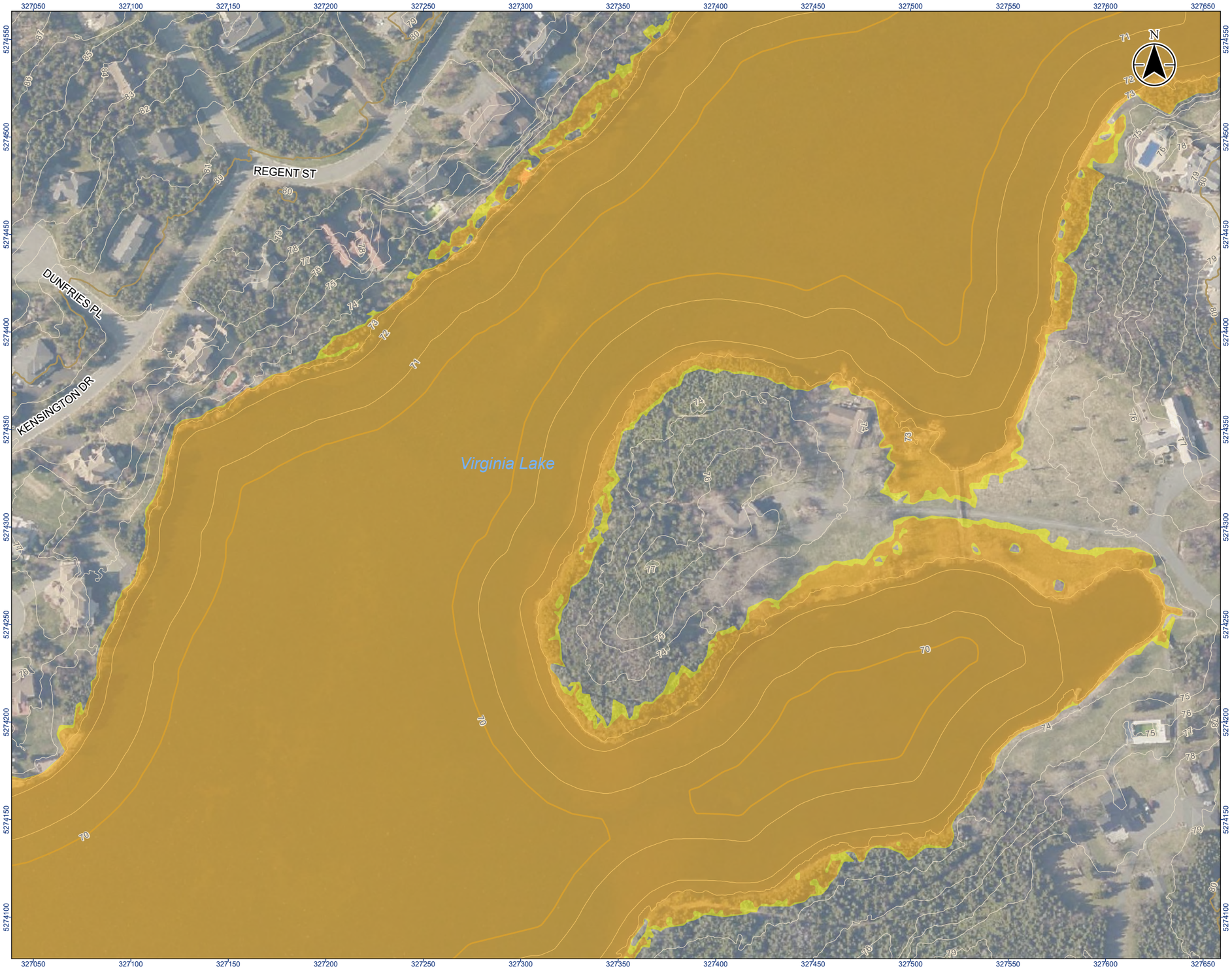

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

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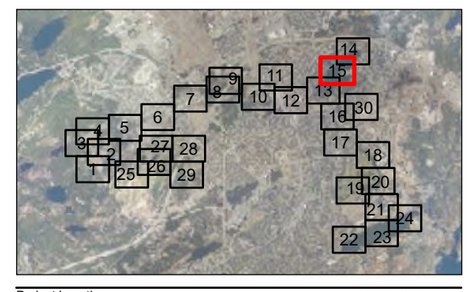

Project Location
City of St. John's

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Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-15

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 15 of 30

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Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

1:2,000 (At original document size of 11x17)

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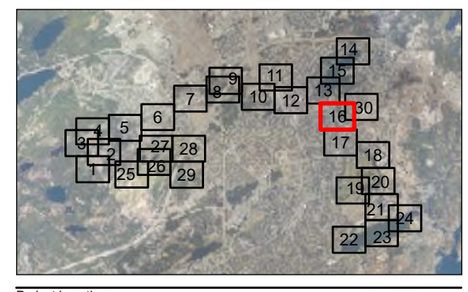

Project Location
City of St. John's

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Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-16

Title
Climate Change Condition AEP Flood Zone - Virginia River Sheet 16 of 30

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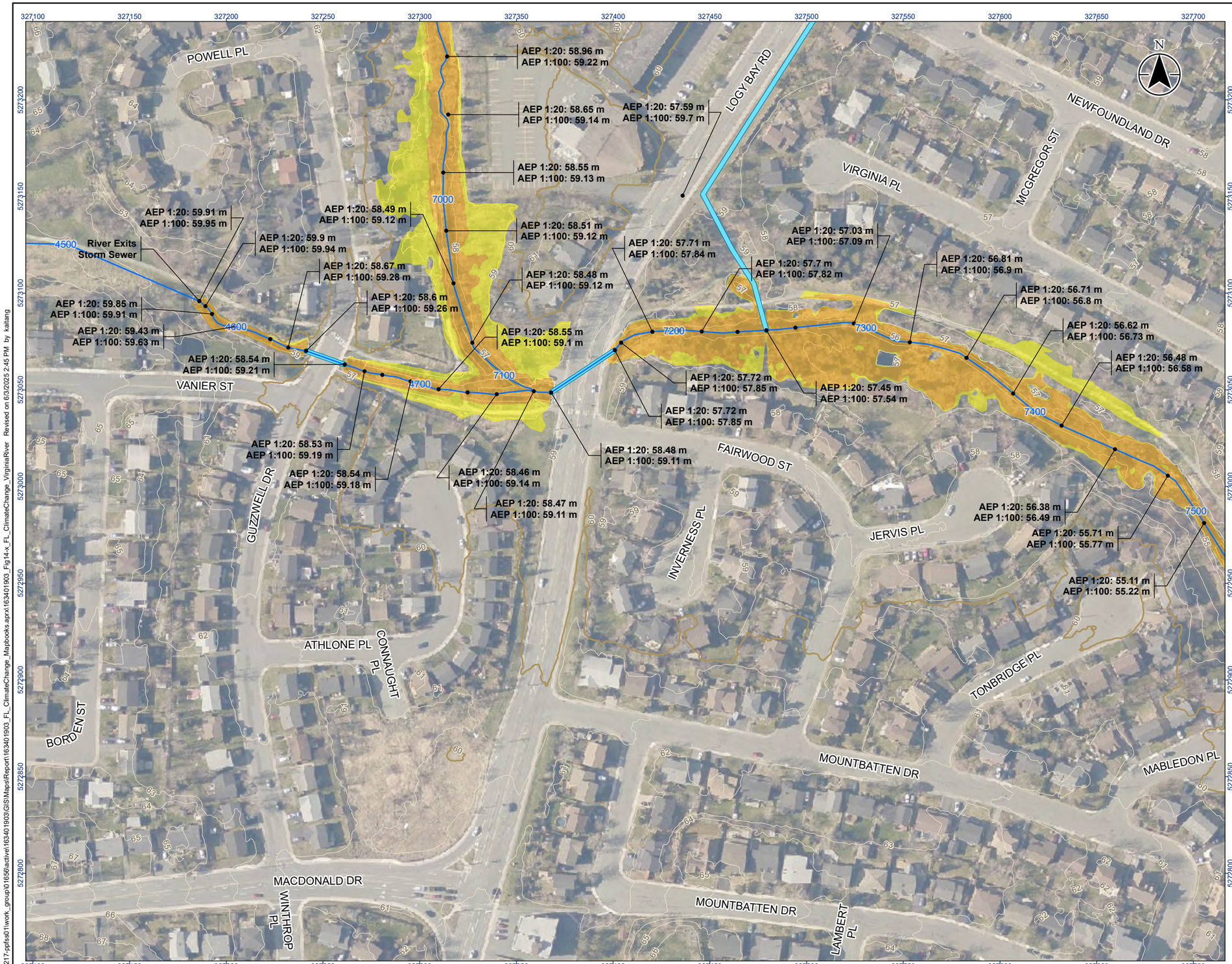

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

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Notes

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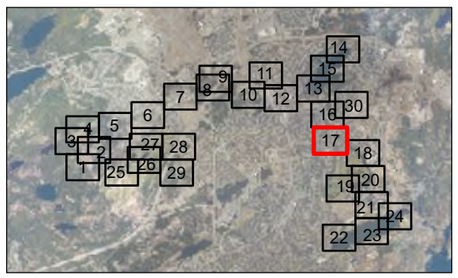

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Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-17

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 17 of 30

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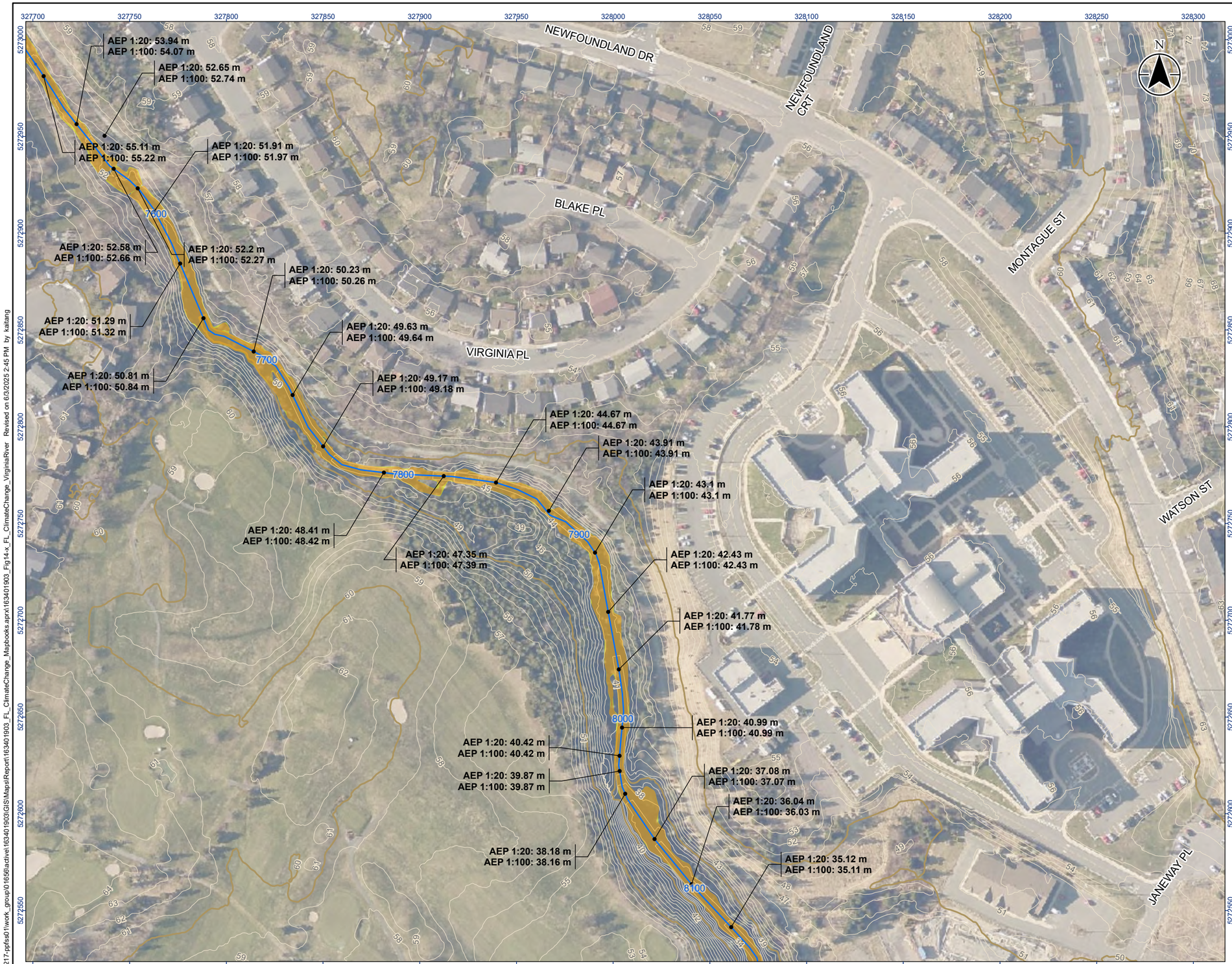

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

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Notes

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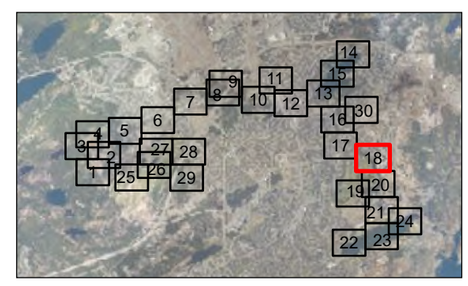

Project Location
City of St. John's

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Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-18

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 18 of 30

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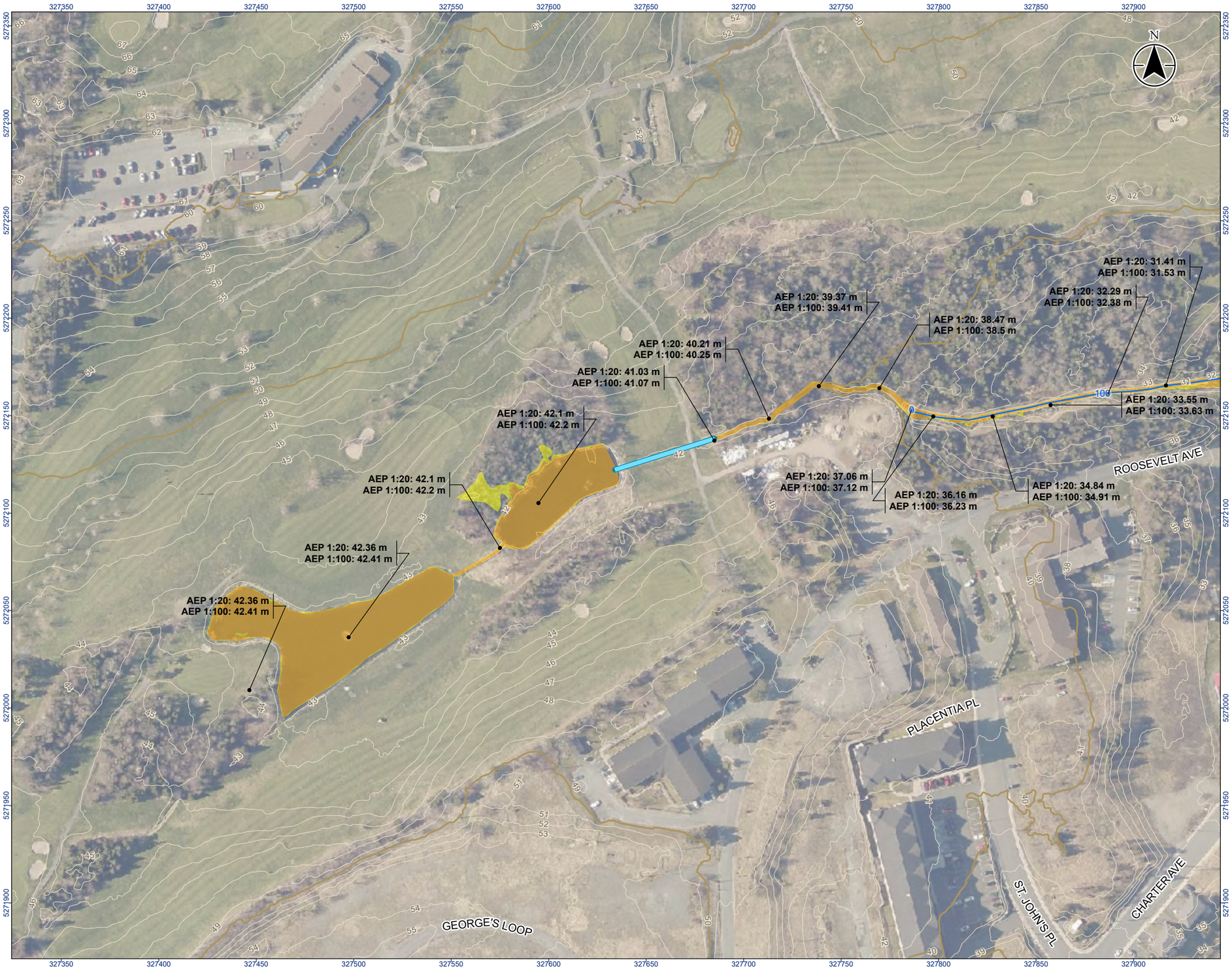

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m
1:2,000 (At original document size of 11x17)

Notes

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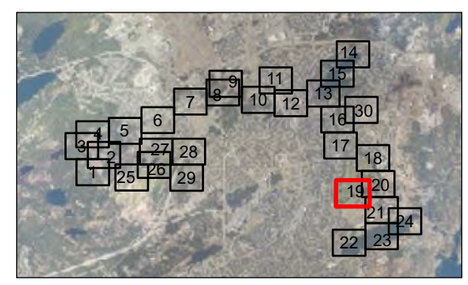

Project Location
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CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-19

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 19 of 30

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Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m
1:2,000 (At original document size of 11x17)

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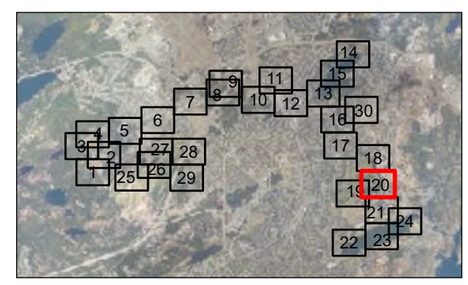

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CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-20

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 20 of 30

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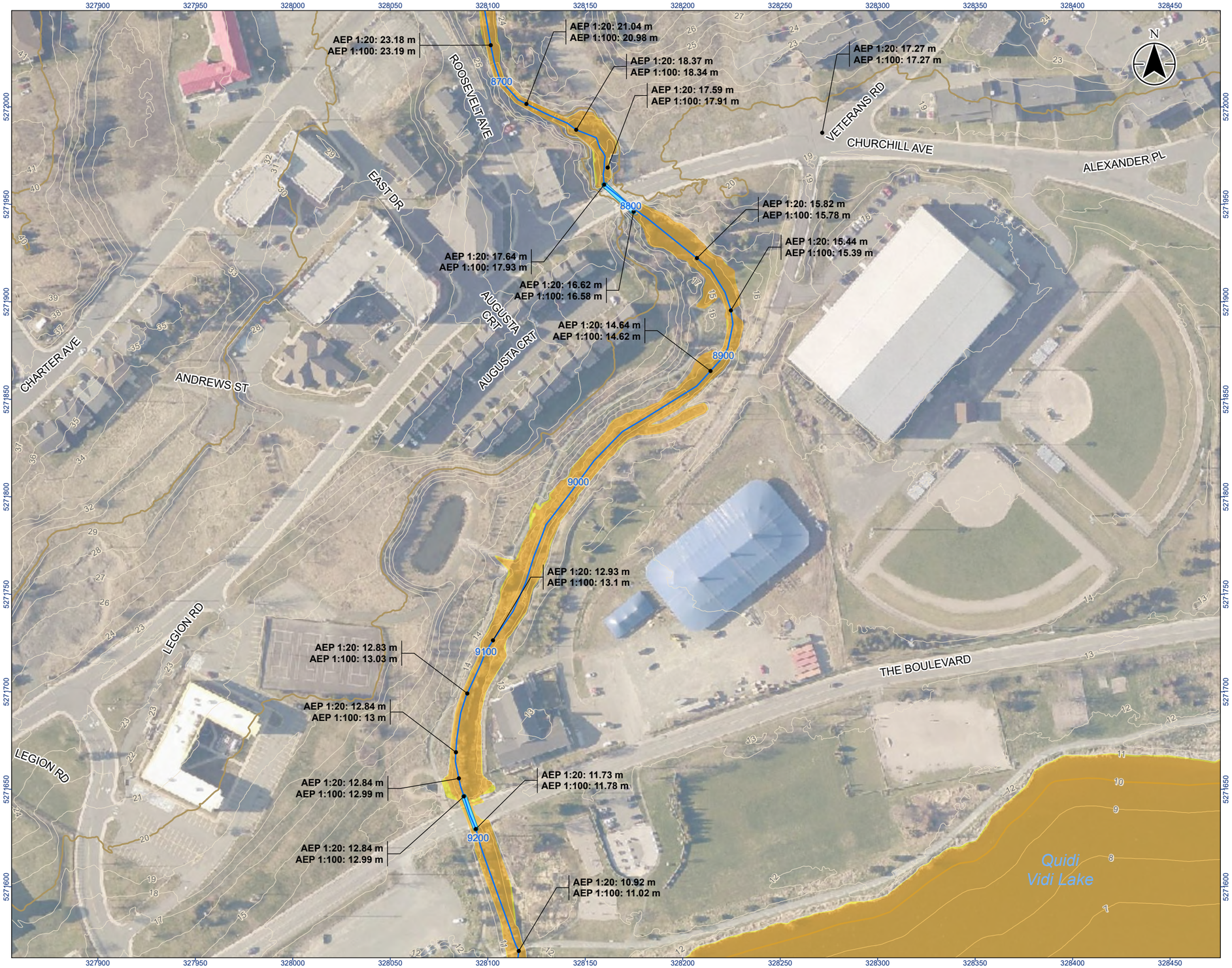

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m
1:2,000 (At original document size of 11x17)

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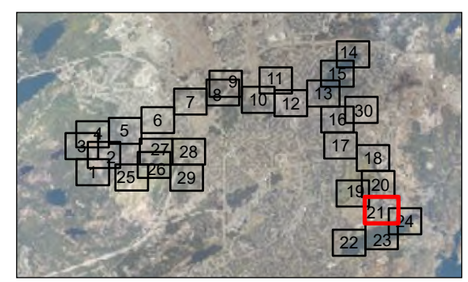

Project Location
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CLIMATE CHANGE FLOOD RISK MAPPING STUDY
FOR THE CITY OF ST. JOHN'S

Figure No.
14-21

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 21 of 30

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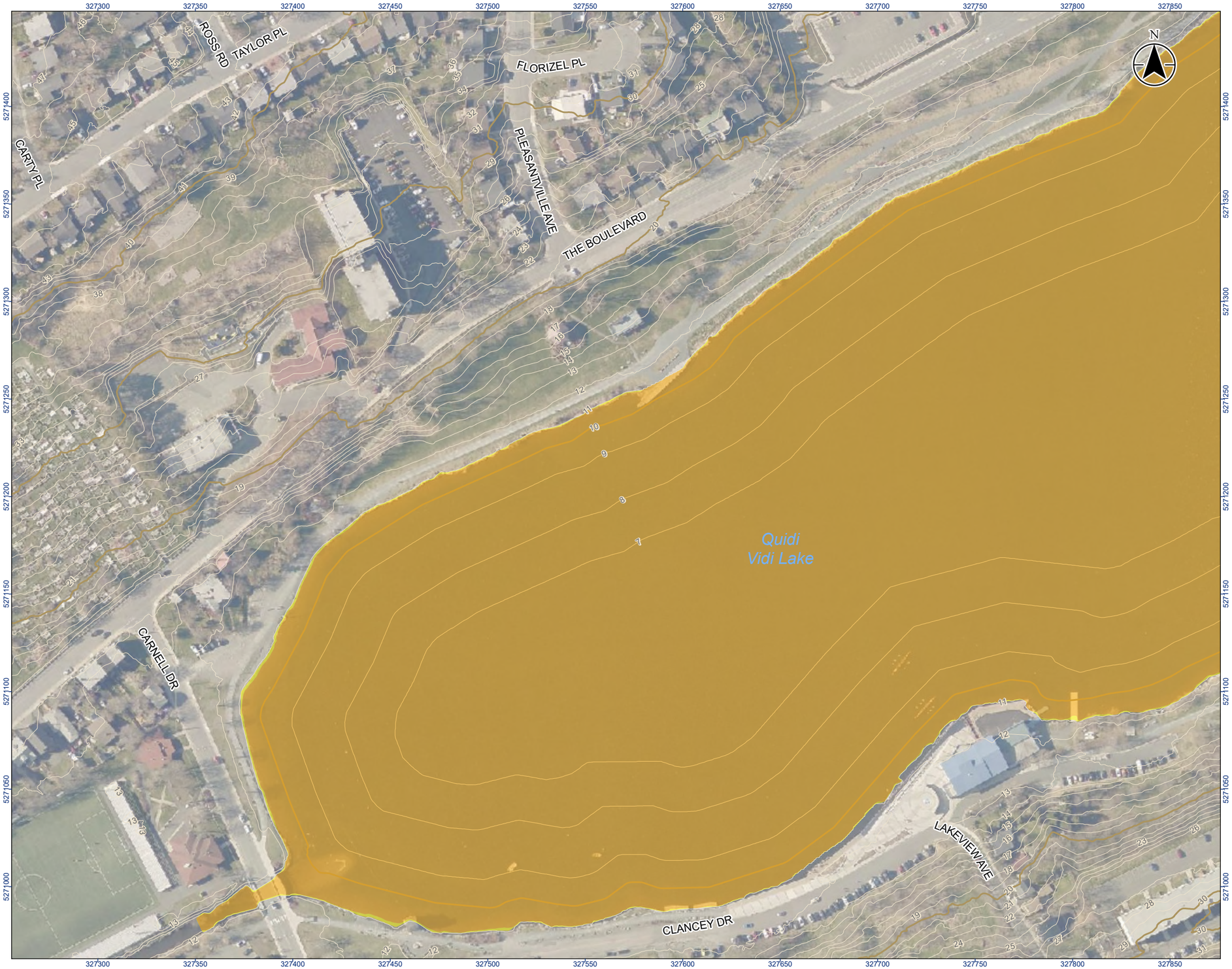

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

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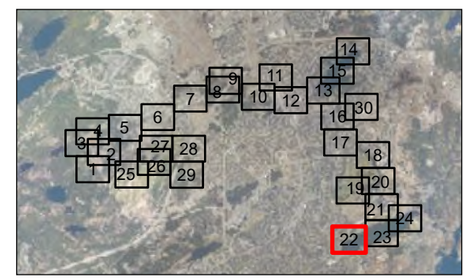

Project Location
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CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-22

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 22 of 30

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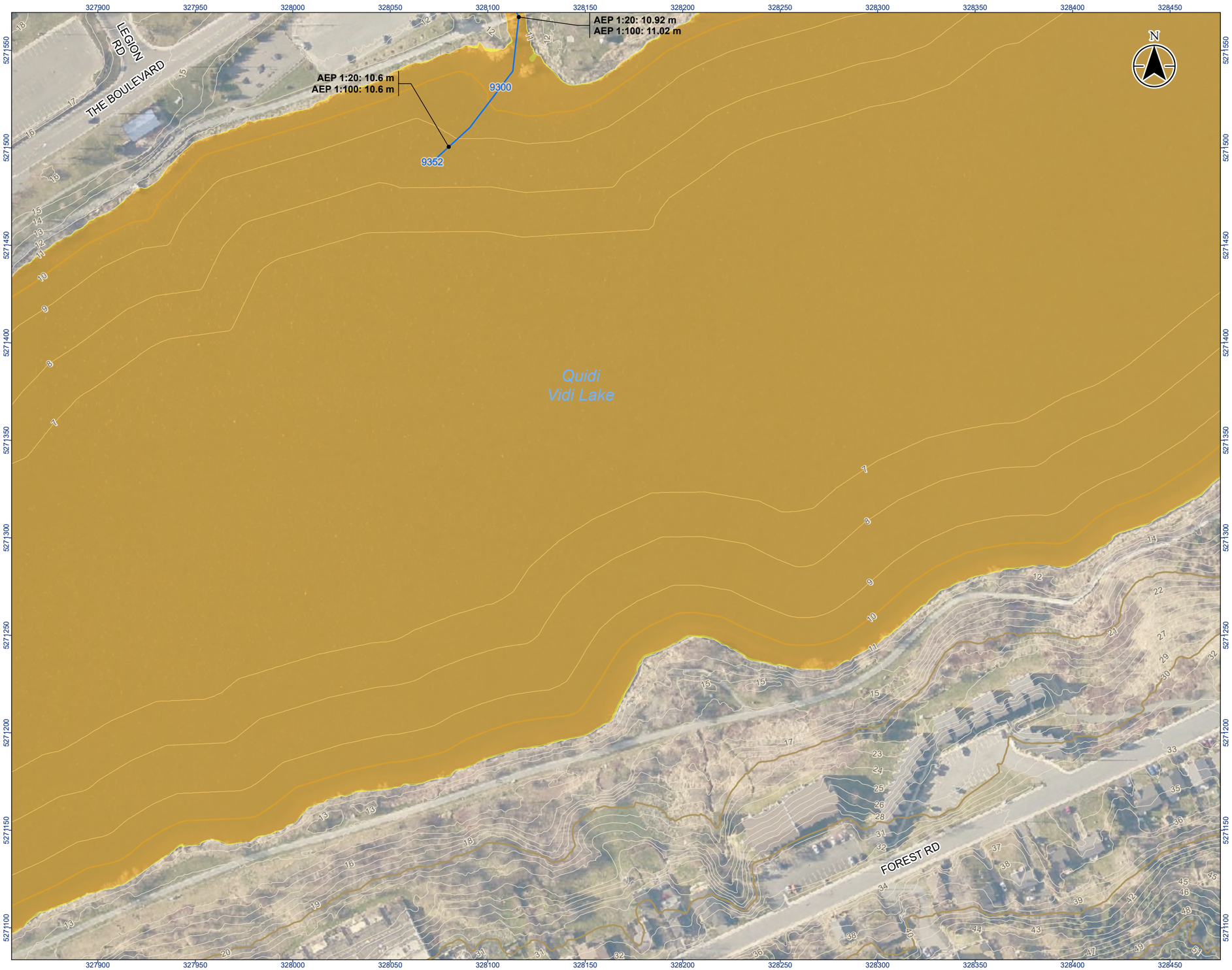

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

1:2,000 (At original document size of 11x17)

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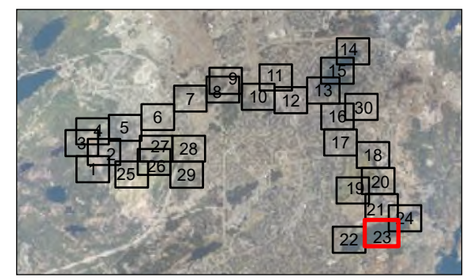

Project Location
City of St. John's

163401903 REVA
Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-23

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 23 of 30

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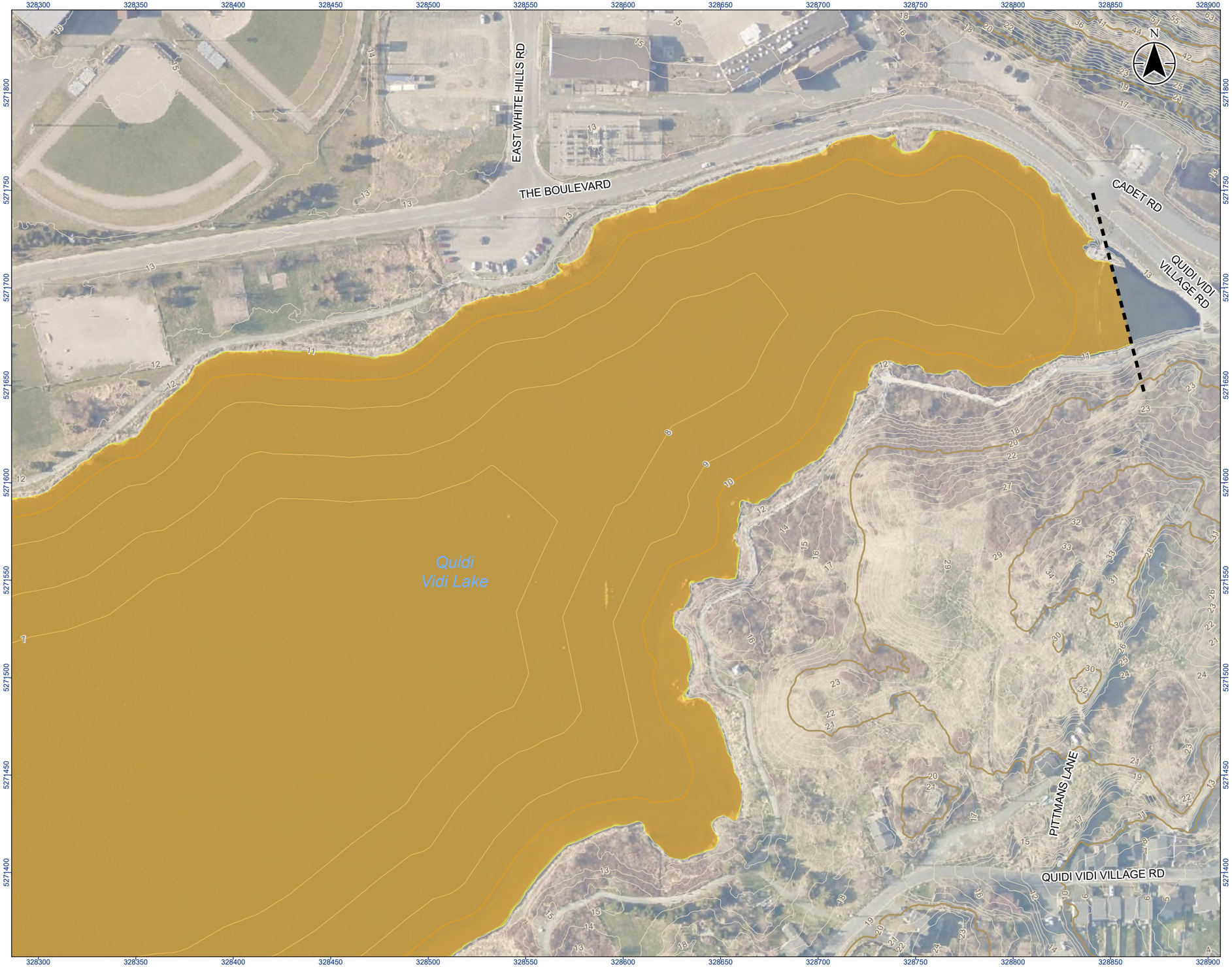

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

1:2,000 (At original document size of 11x17)

Notes

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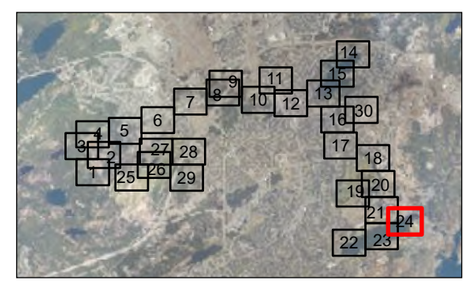

Project Location
City of St. John's

163401903 REVA
Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-24

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 24 of 30

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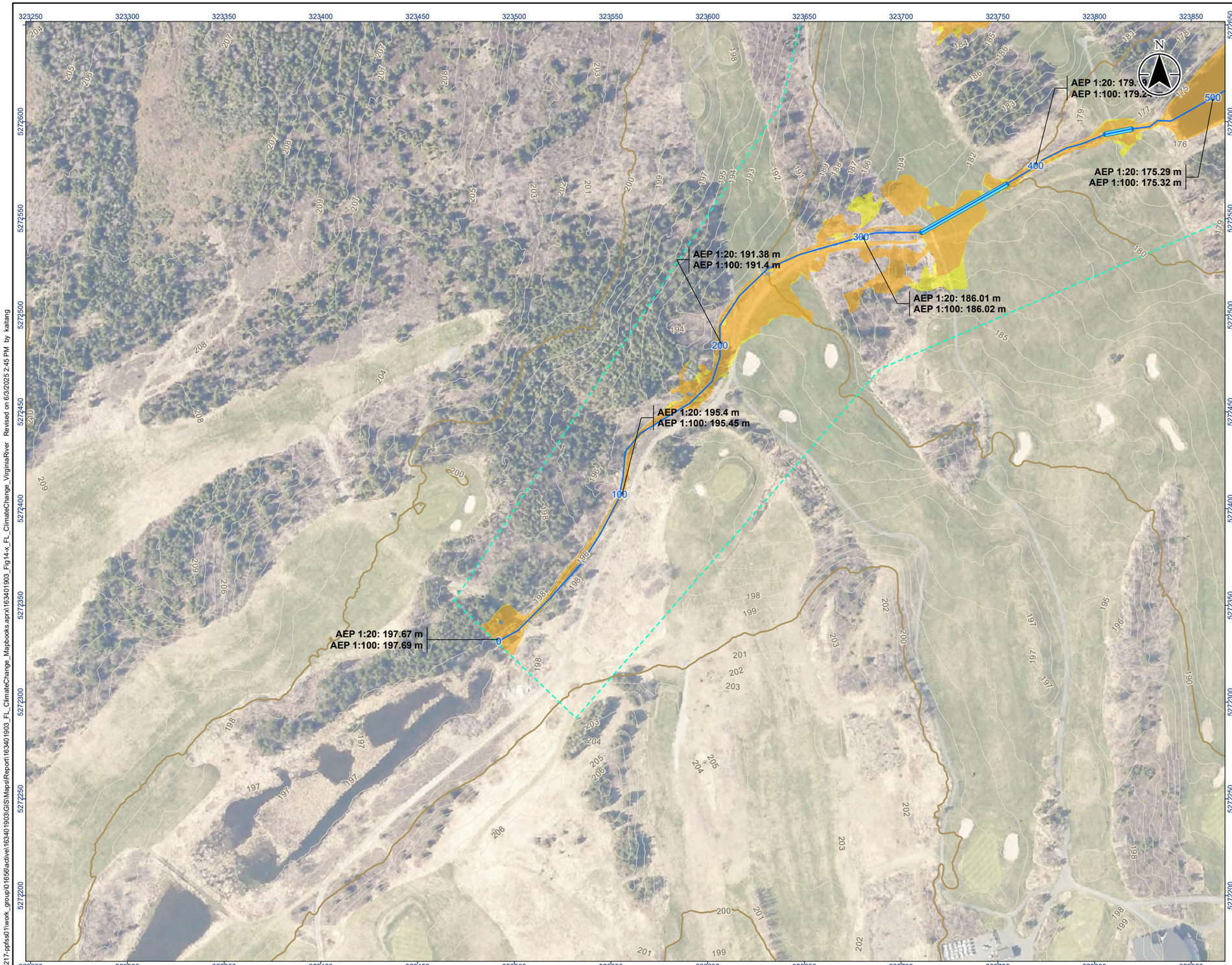

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

1:2,000 (At original document size of 11x17)

Notes

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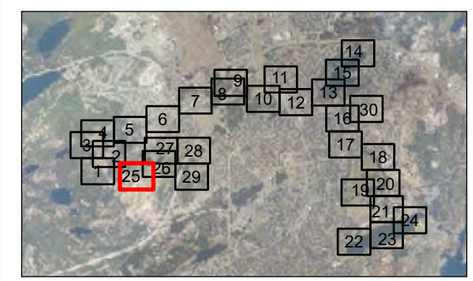

Project Location
City of St. John's

163401903 REVA
Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-25

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 25 of 30

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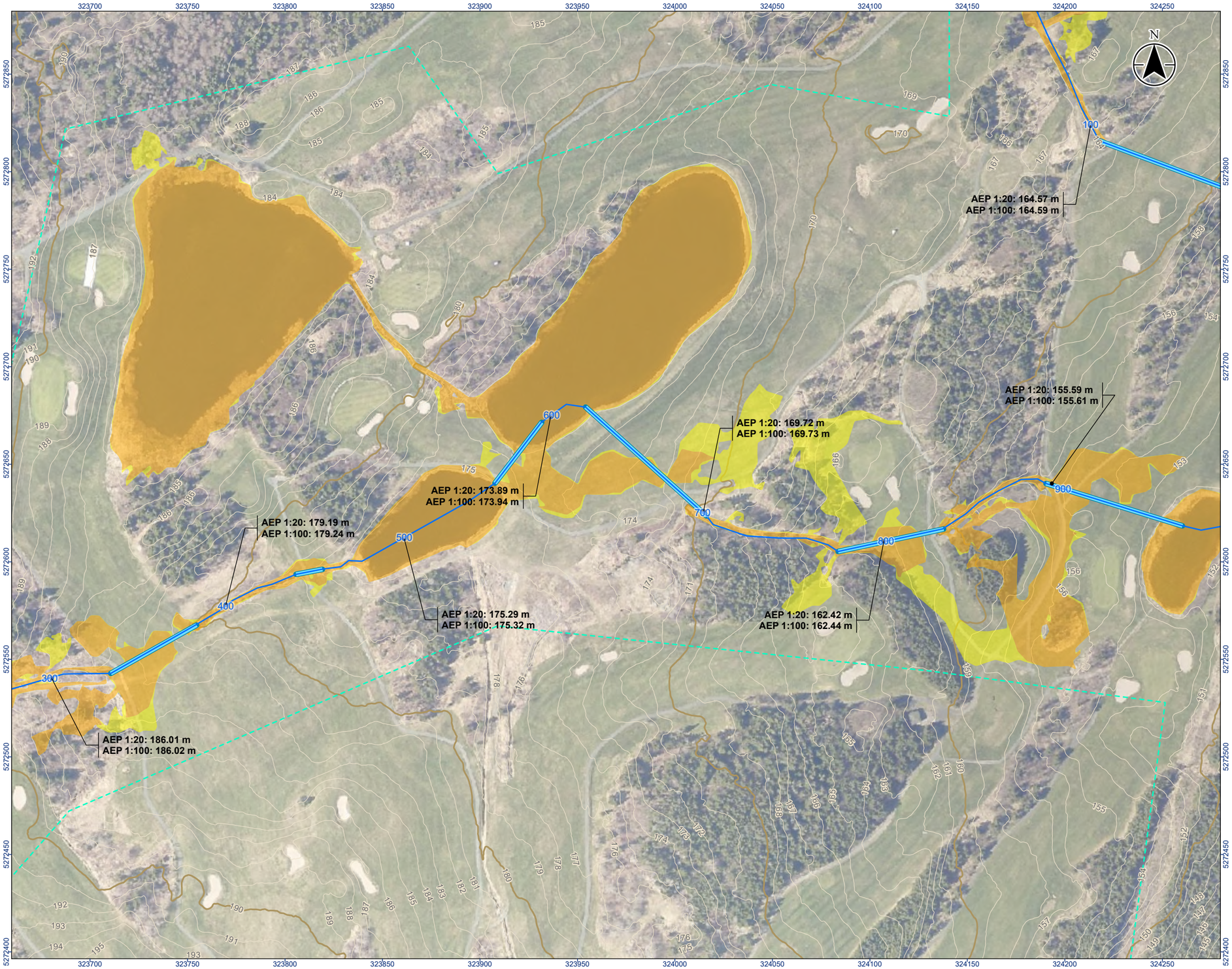

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m
1:2,000 (At original document size of 11x17)

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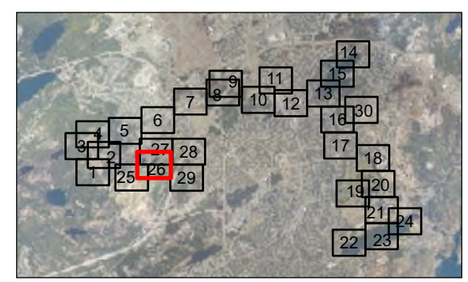

Project Location
City of St. John's

163401903 REVA
Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY
FOR THE CITY OF ST. JOHN'S

Figure No.
14-26

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 26 of 30

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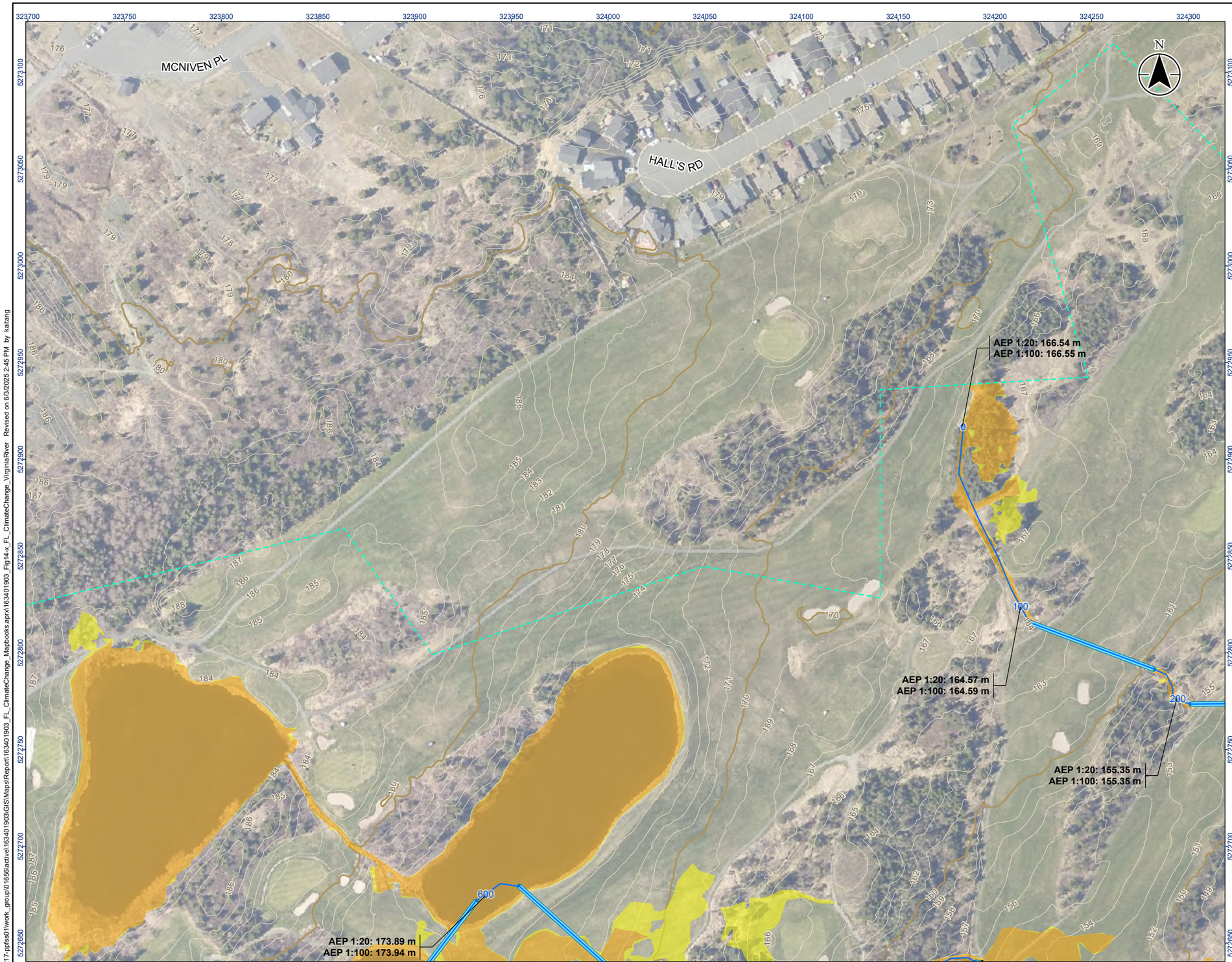

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

1:2,000 (At original document size of 11x17)

Notes

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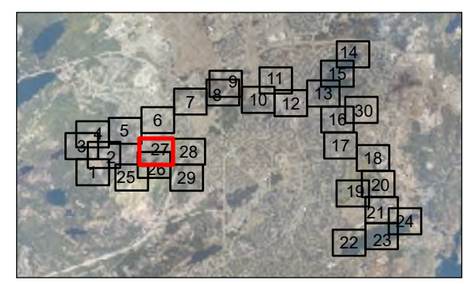

Project Location
City of St. John's

163401903 REVA
Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY
FOR THE CITY OF ST. JOHN'S

Figure No.
14-27

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 27 of 30

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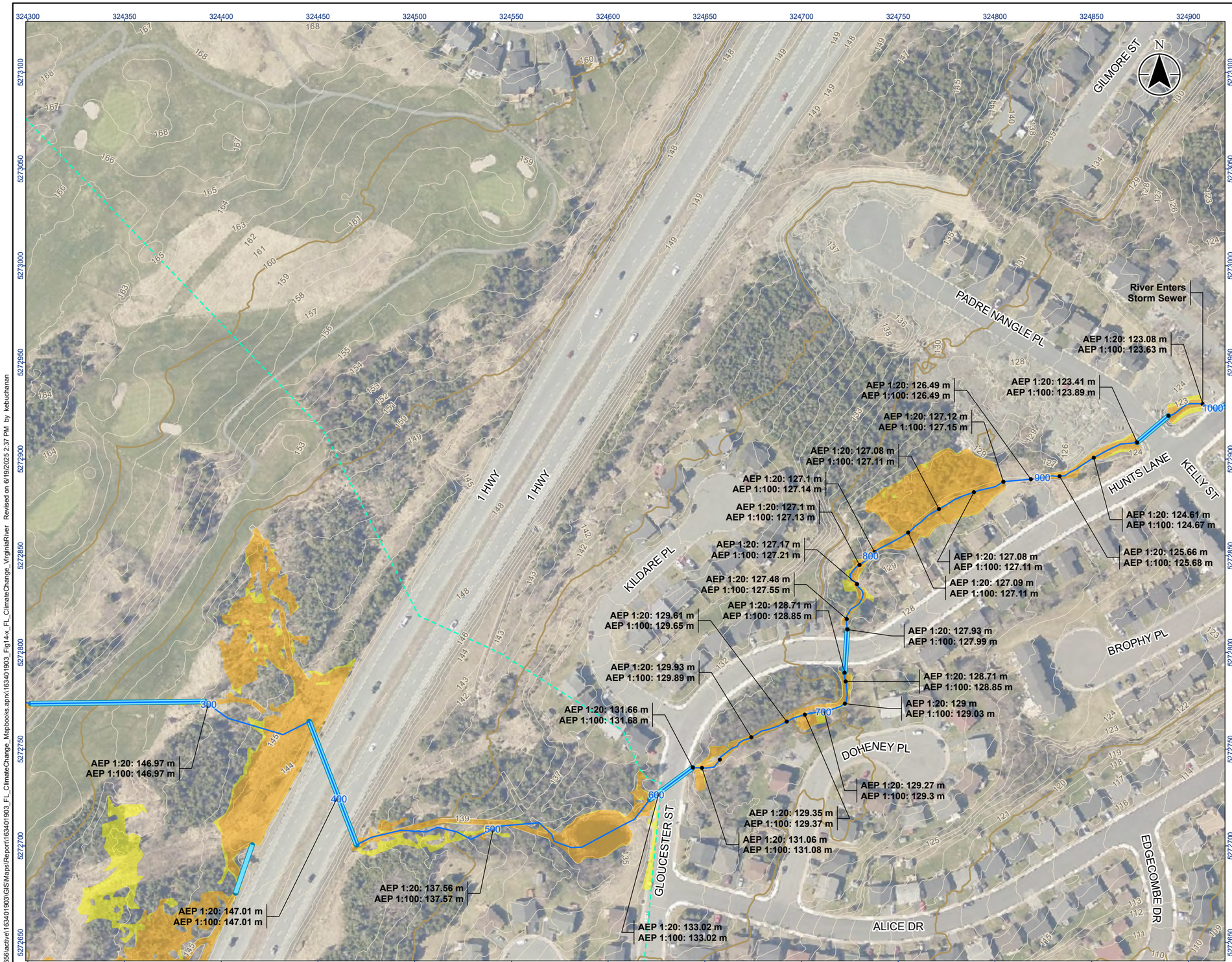

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m

1:2,000 (At original document size of 11x17)

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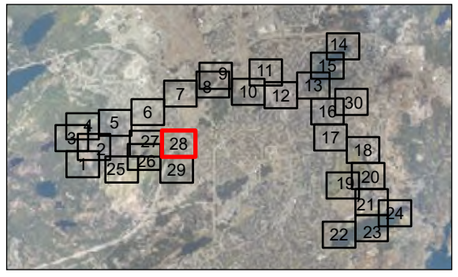

Project Location
City of St. John's

163401903 REVA
Prepared by kebuchanan on 2025-06-19

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-28

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 28 of 30

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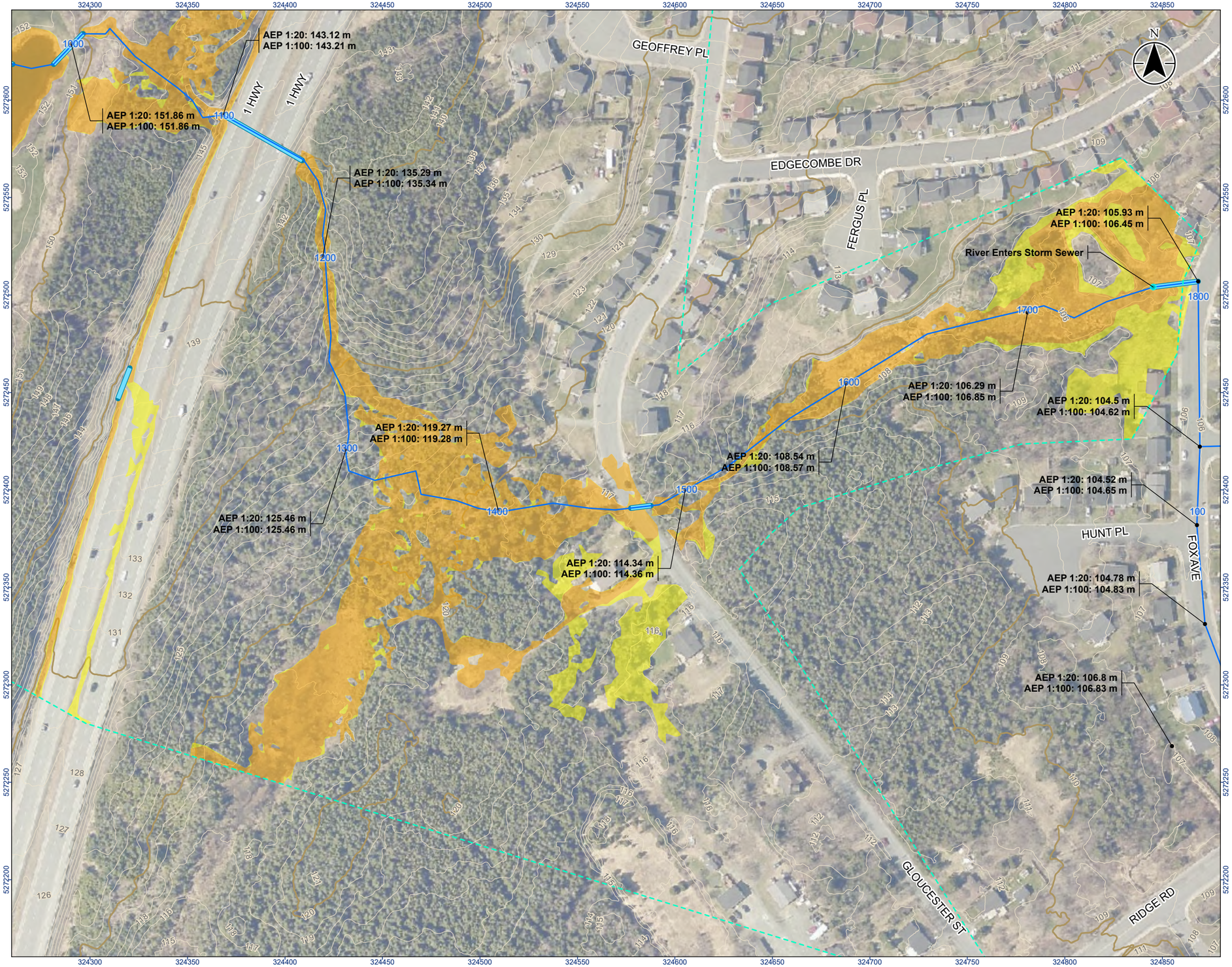

Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m
1:2,000 (At original document size of 11x17)

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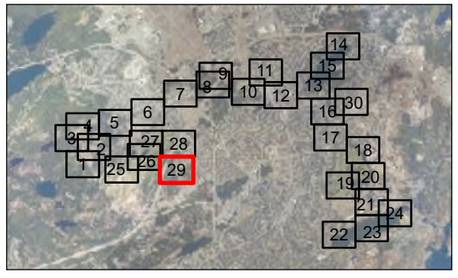

Project Location
City of St. John's

163401903 REVA
Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-29

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 29 of 30

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Stantec

Legend

- River/Creek Centreline
- Modelled Culvert
- 1 m LiDAR Contour
- 10 m LiDAR Contour
- Limit of Mapping
- Limit of 2D Modelling
- 20-Year Flood Zone
- 100-Year Flood Zone

0 20 40 m
1:2,000 (At original document size of 11x17)

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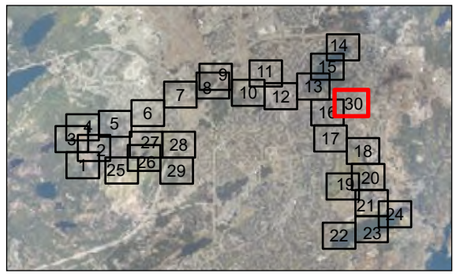

Project Location
City of St. John's

163401903 REVA
Prepared by kaitang on 2025-06-03

Client/Project
CLIMATE CHANGE FLOOD RISK MAPPING STUDY FOR THE CITY OF ST. JOHN'S

Figure No.
14-30

Title
Climate Change Condition
AEP Flood Zone - Virginia River
Sheet 30 of 30

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