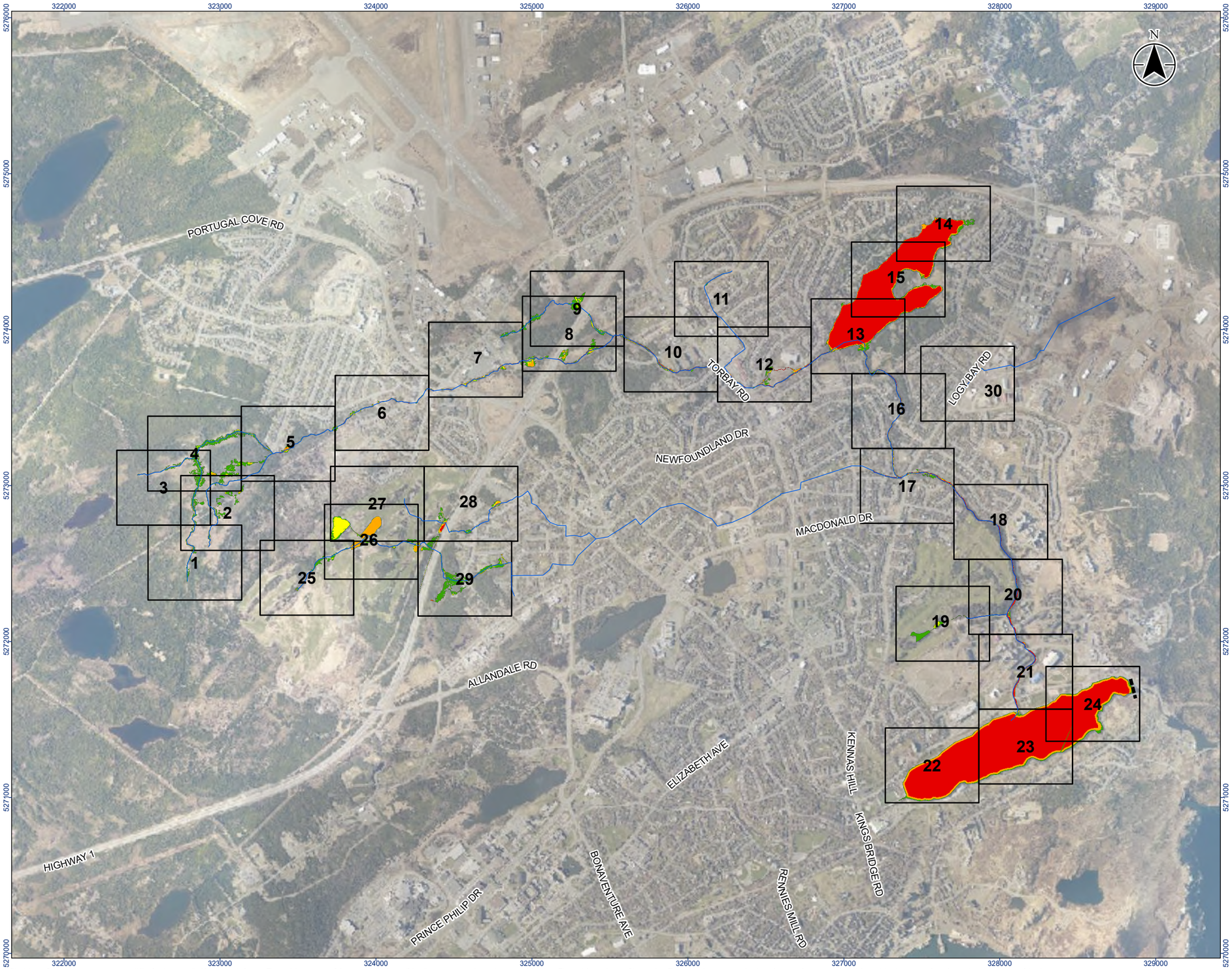


Stantec

Legend

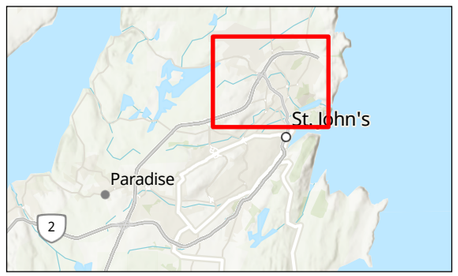
- River/Creek Centreline
- Limit of Mapping
- Map Extents
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 490 980 m

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

Notes

1. Coordinate System: NAD 1983 MTM 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

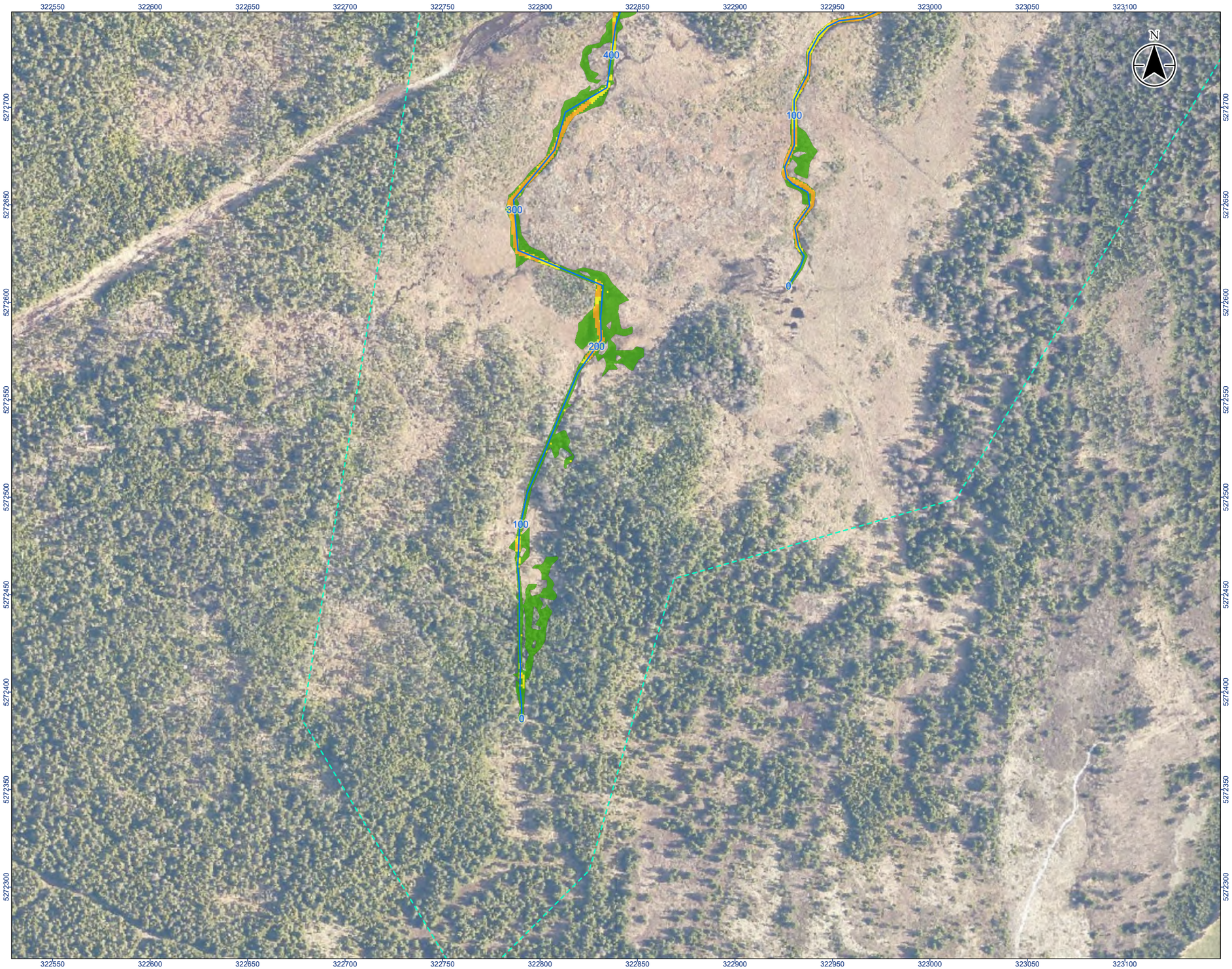
163401903 REVA
Prepared by kebuchanan on 2024-12-20

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

Figure No.
77-0

Title
Current Climate Condition 20-Year Hazard - Virginia River Overview Map

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_Overview_Mapbooks.aprx\163401903_FigX-0_HZ_20-yr_Current_Overview Revised on 12/20/2024 9:42 AM by kebuchanan



Stantec

Legend

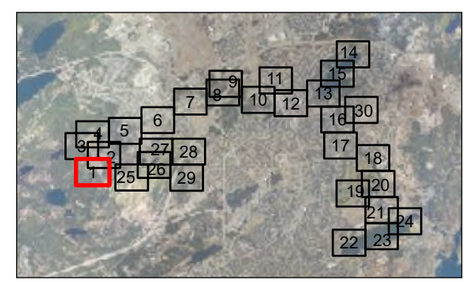
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

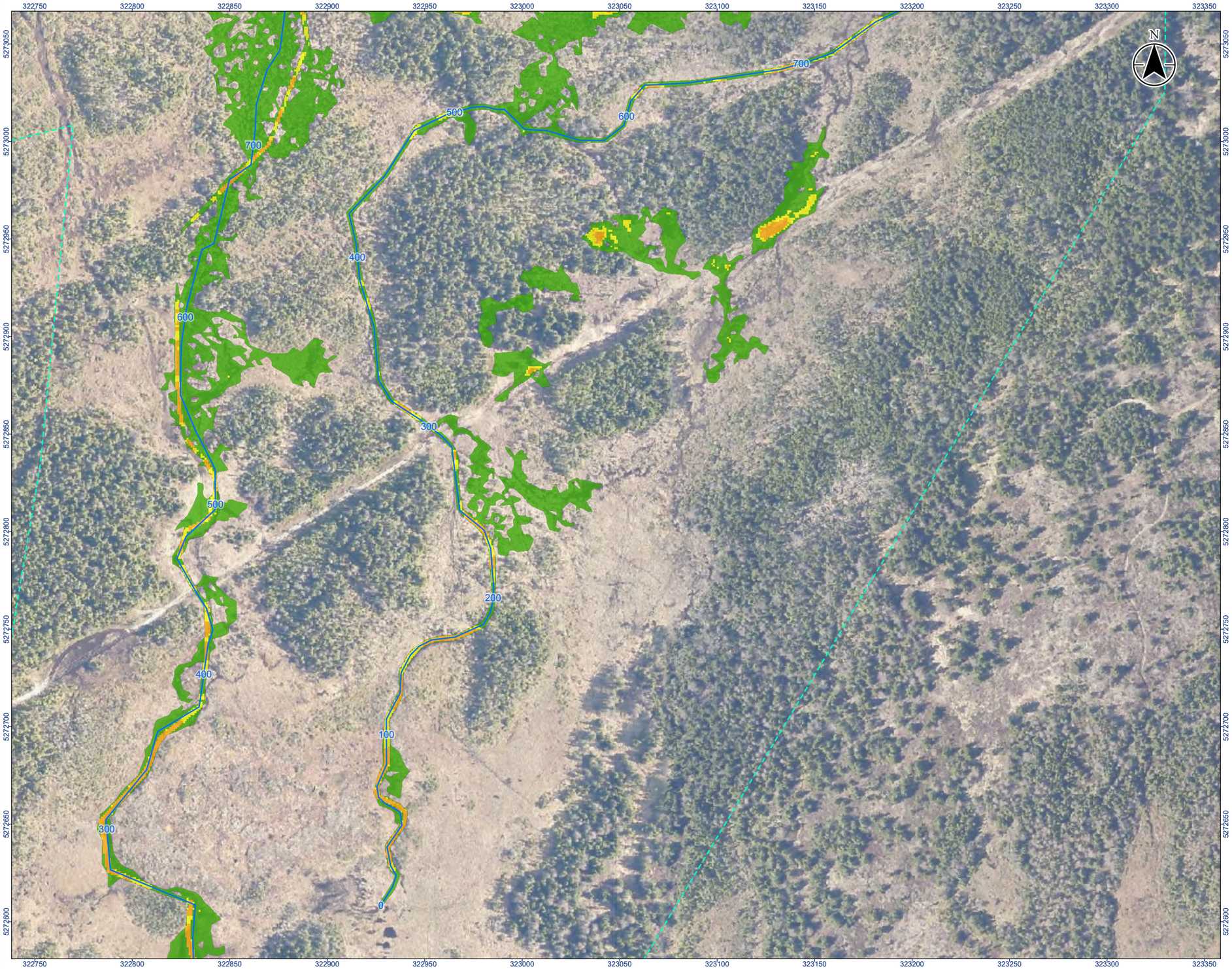
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-1

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 1 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

Legend

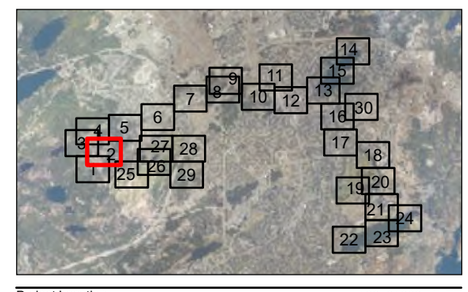
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

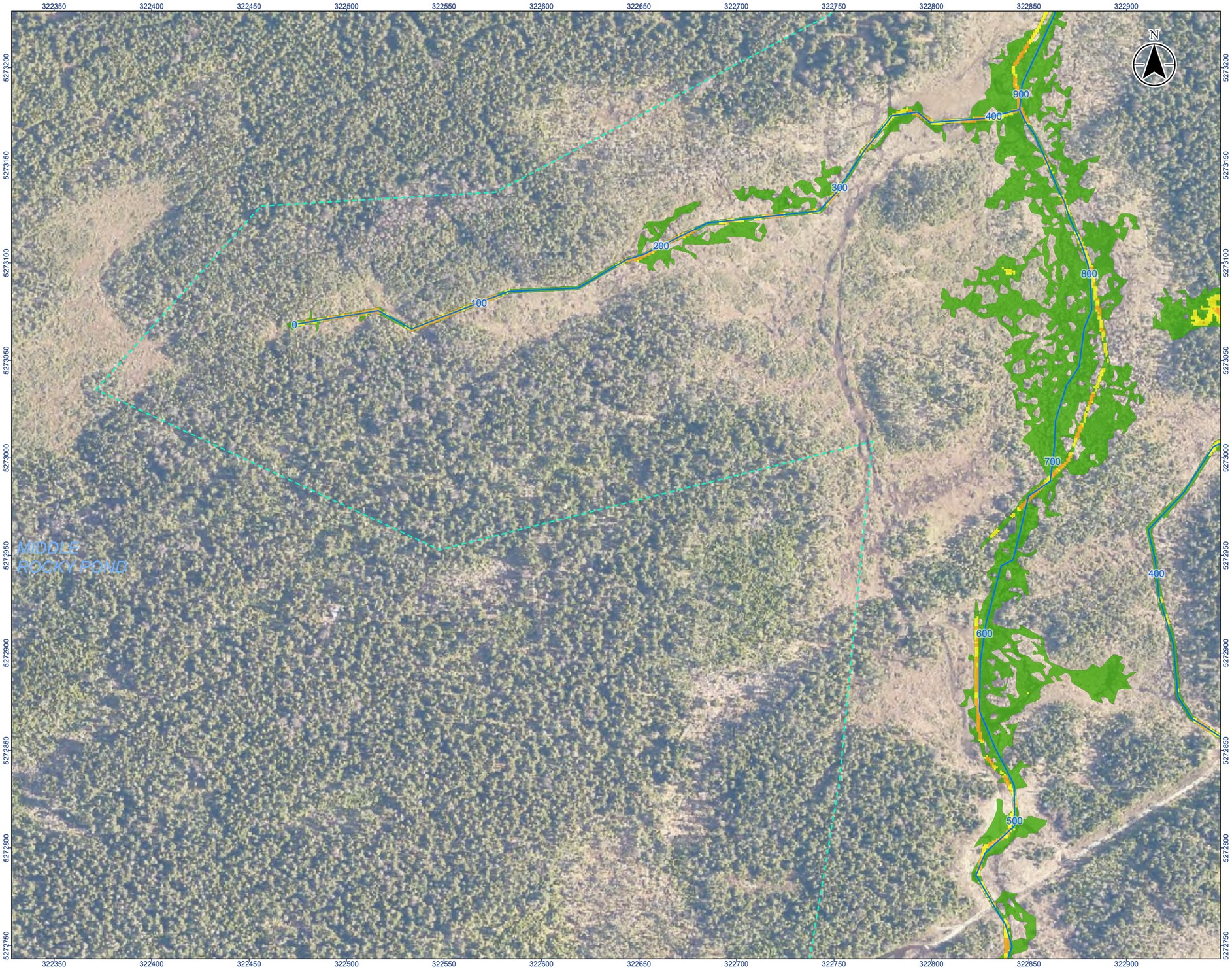
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-2

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 2 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_H2_20_Current_Mapbooks.aprx\163401903_Fig77-x_H2_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

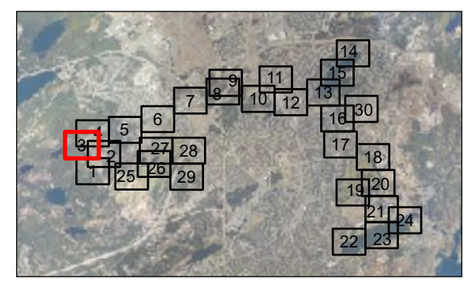
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

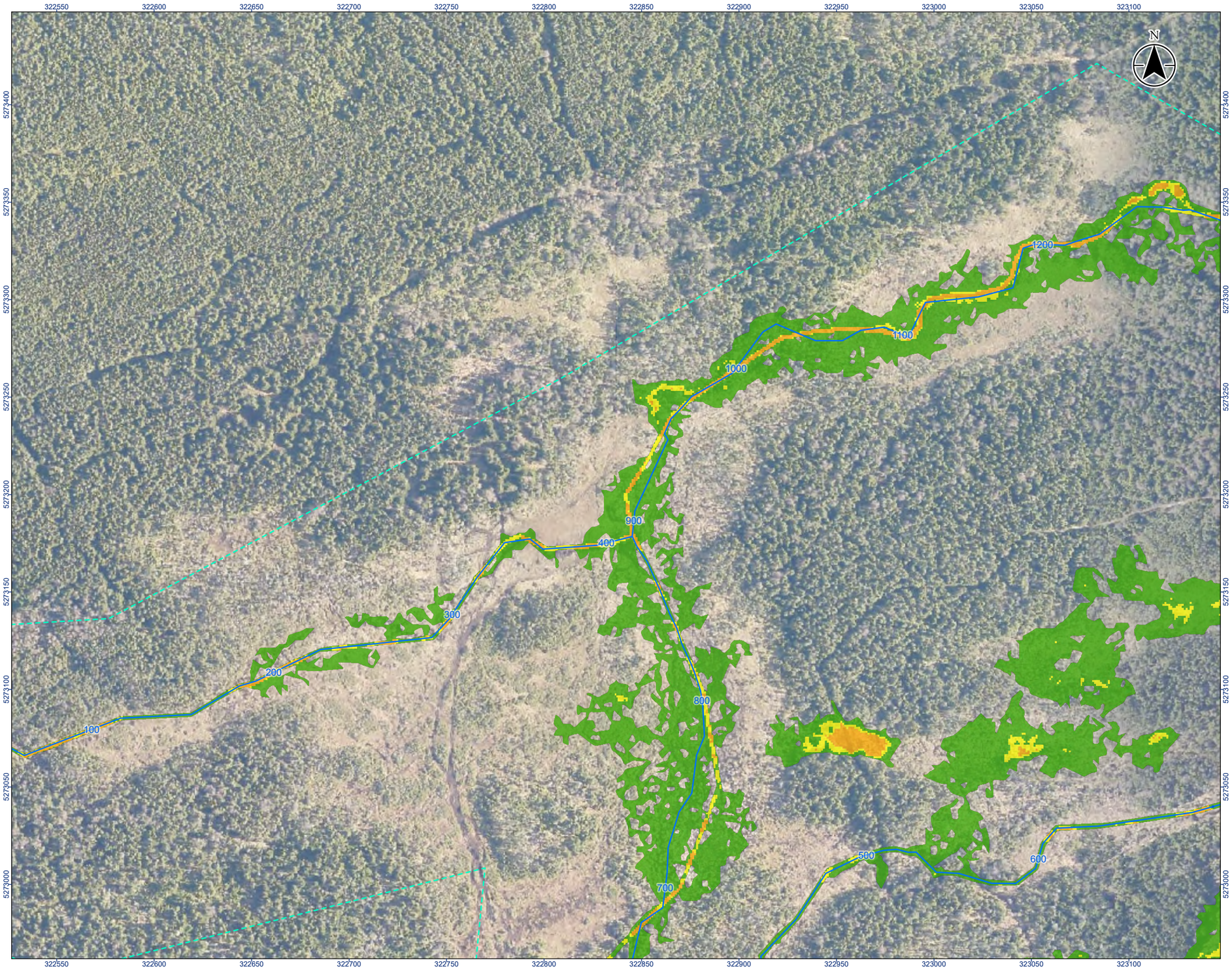
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-3

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 3 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

Legend

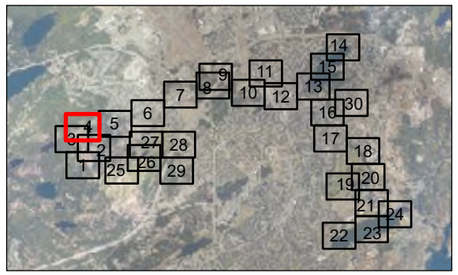
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

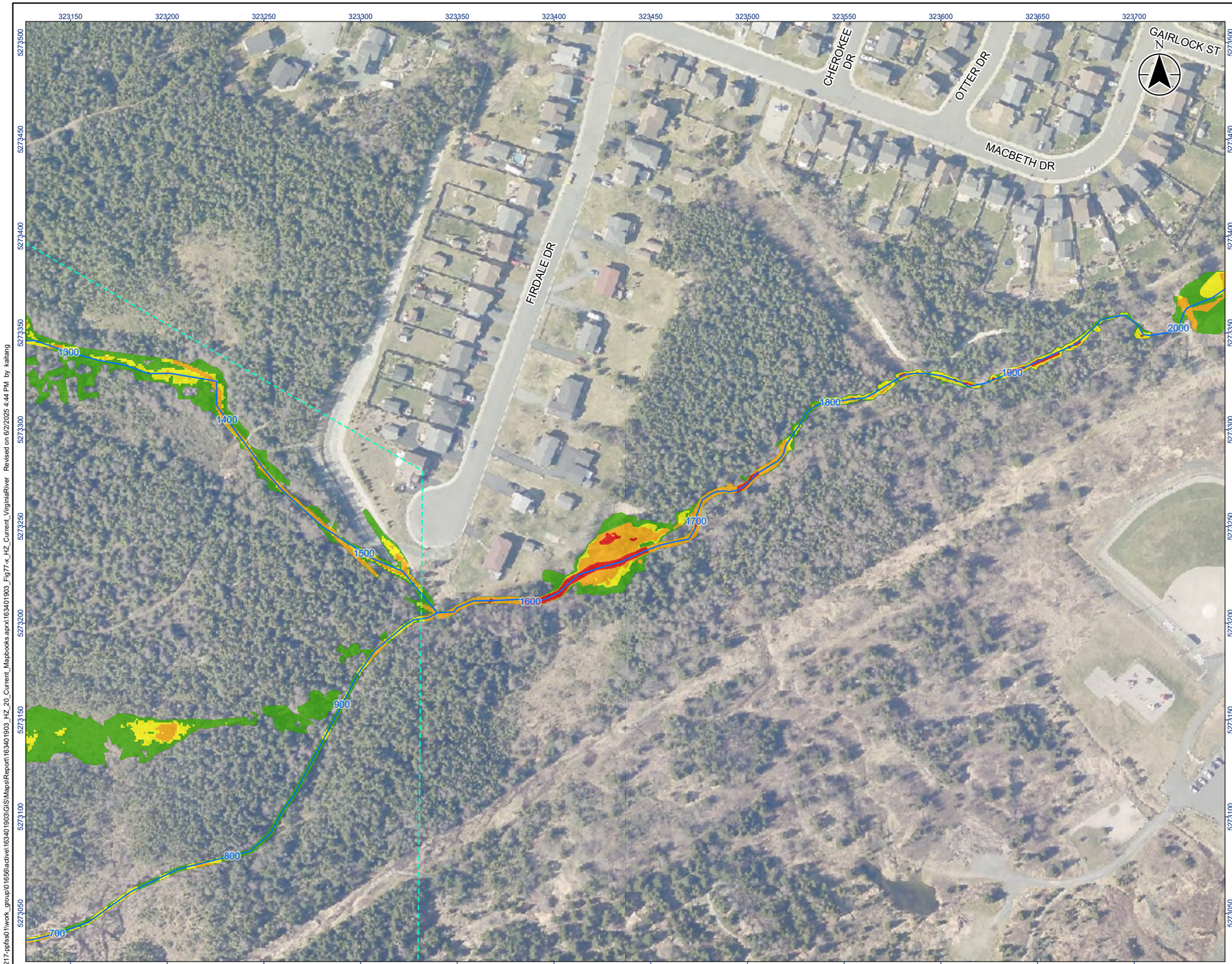
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-4

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 4 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

Legend

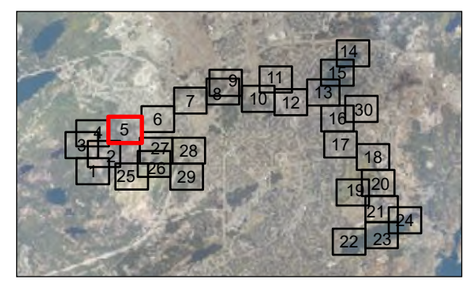
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

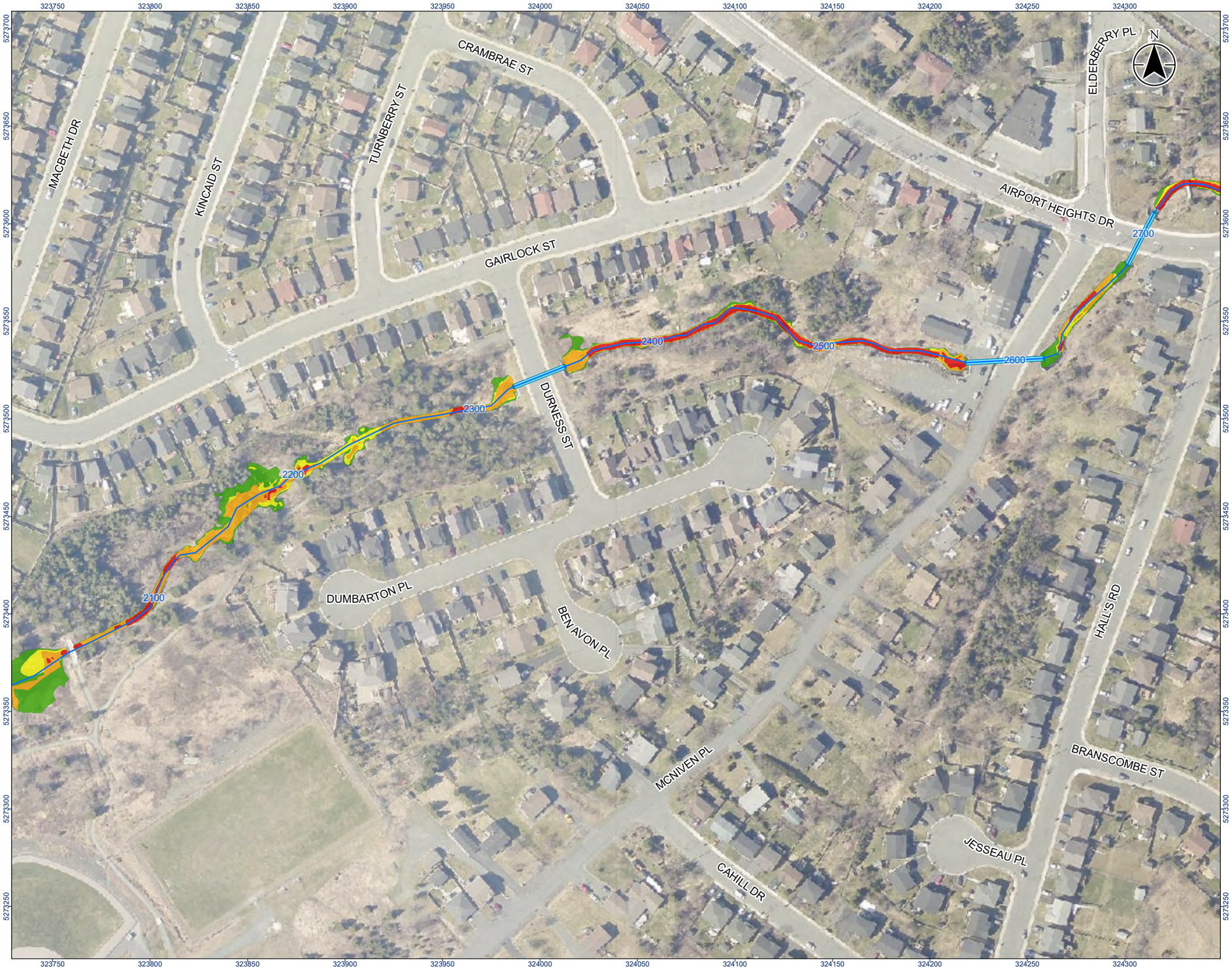
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-5

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 5 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

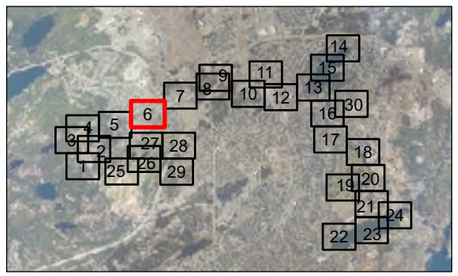
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

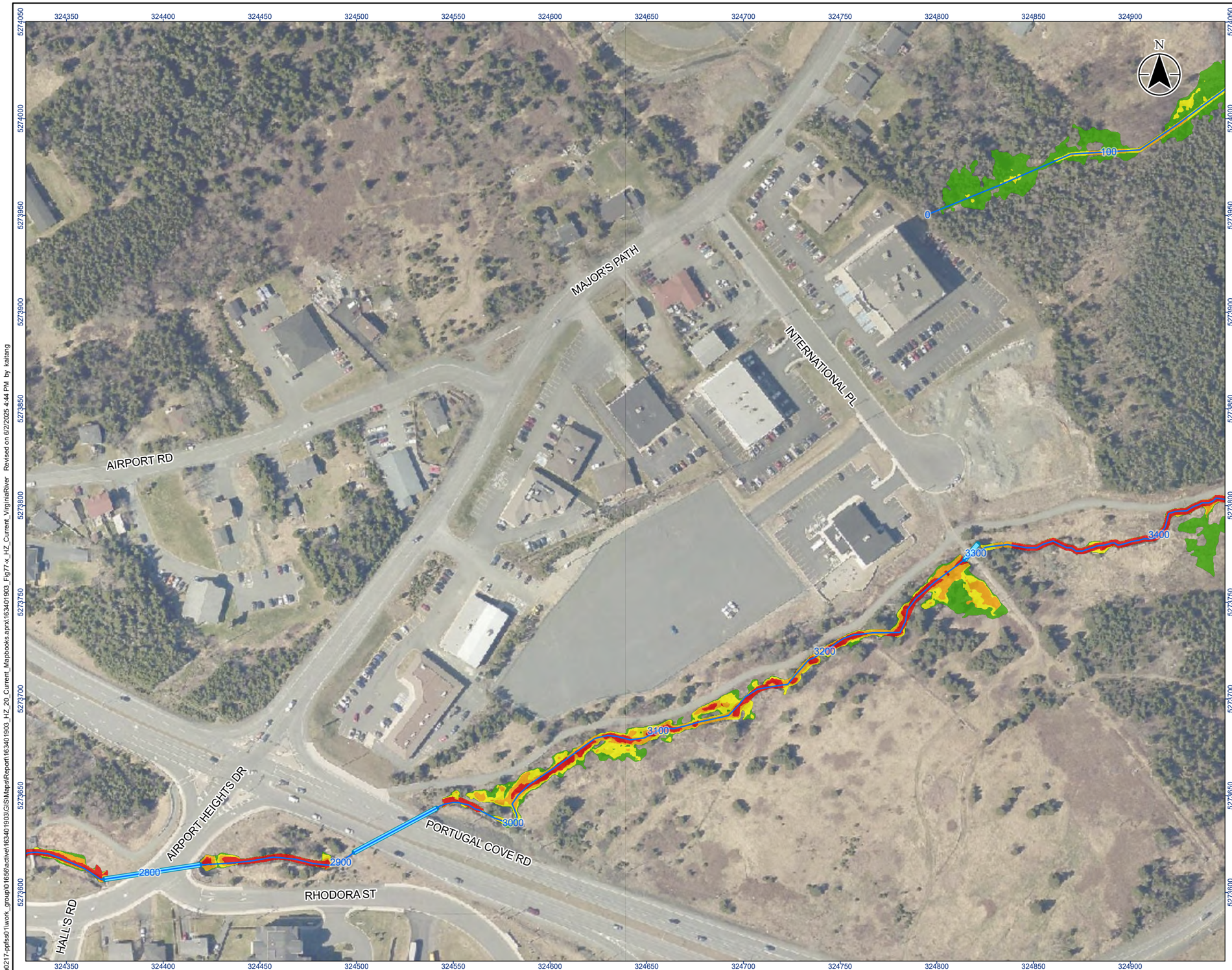
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-6

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 6 of 30

\\ca0217-pfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

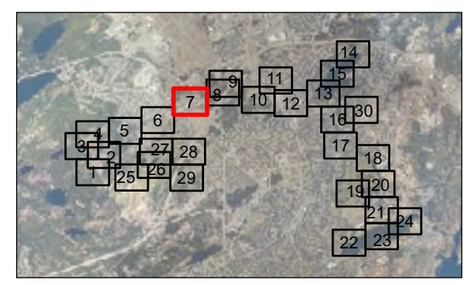
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

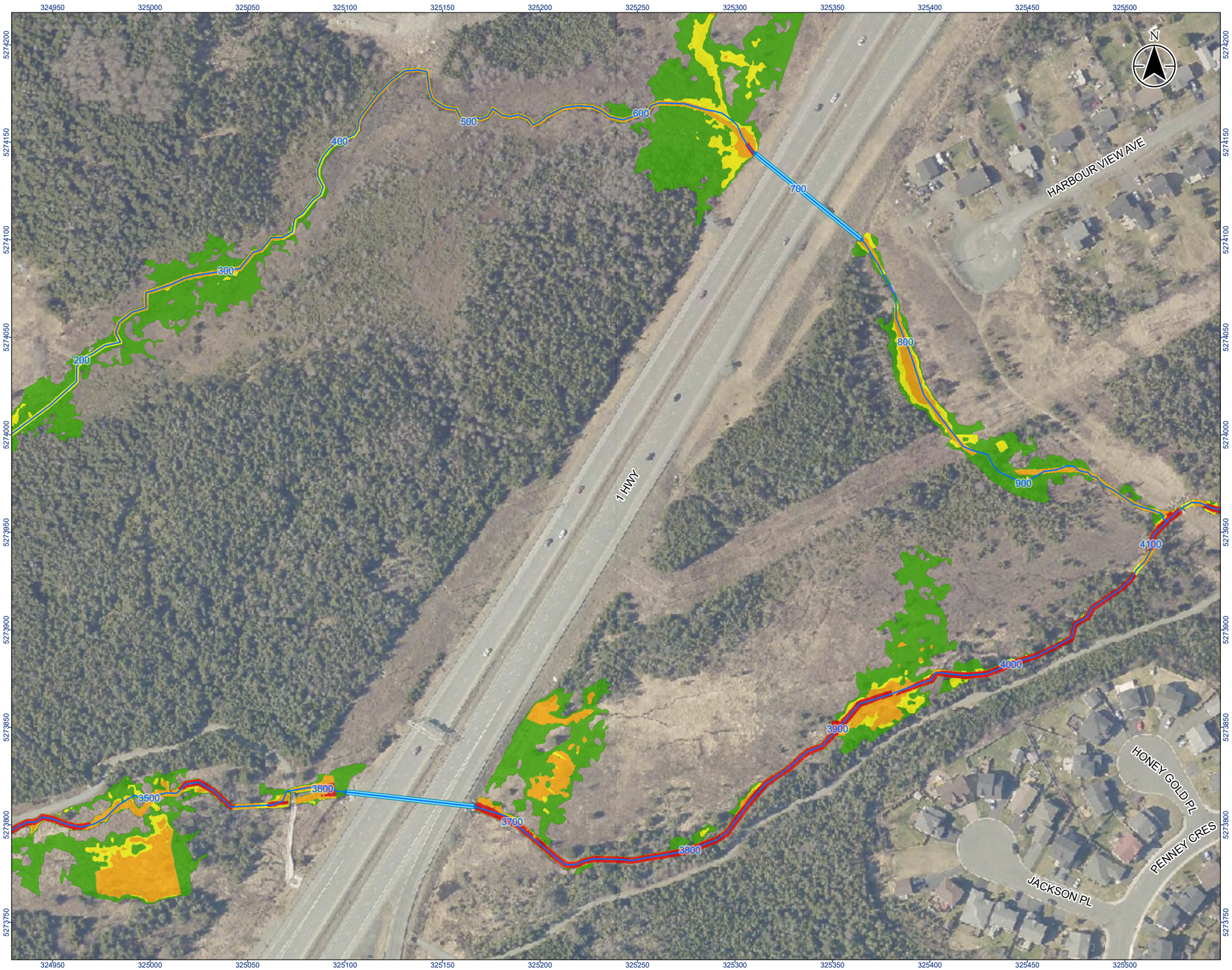
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-7

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 7 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

Legend

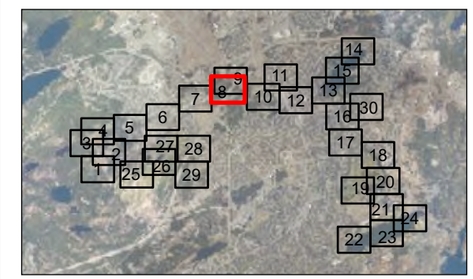
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

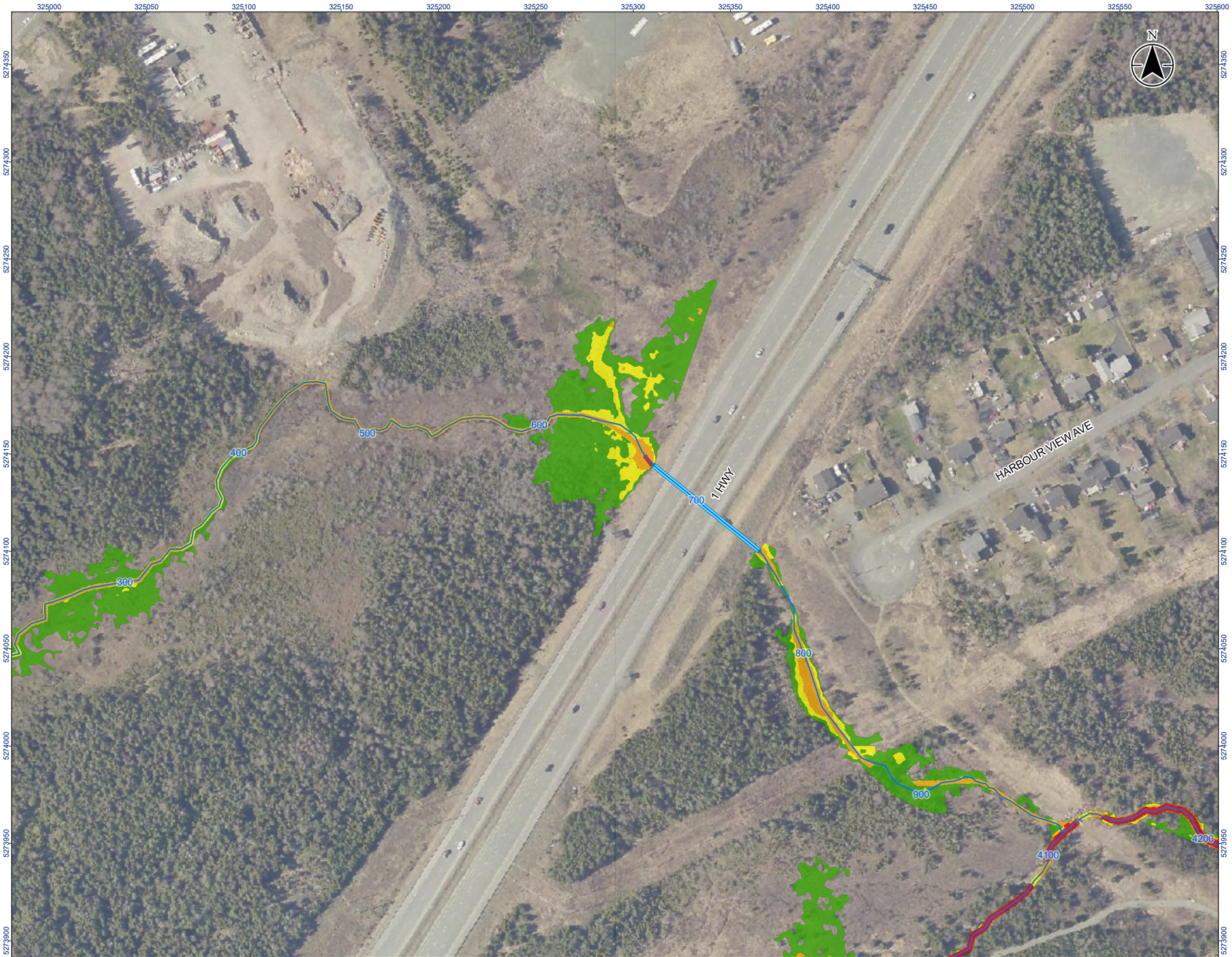
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-8

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 8 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

Legend

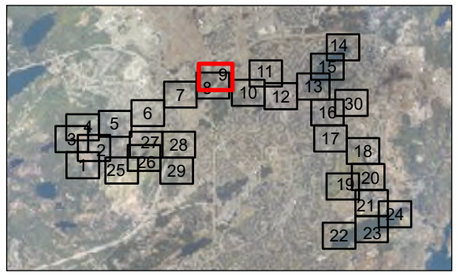
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

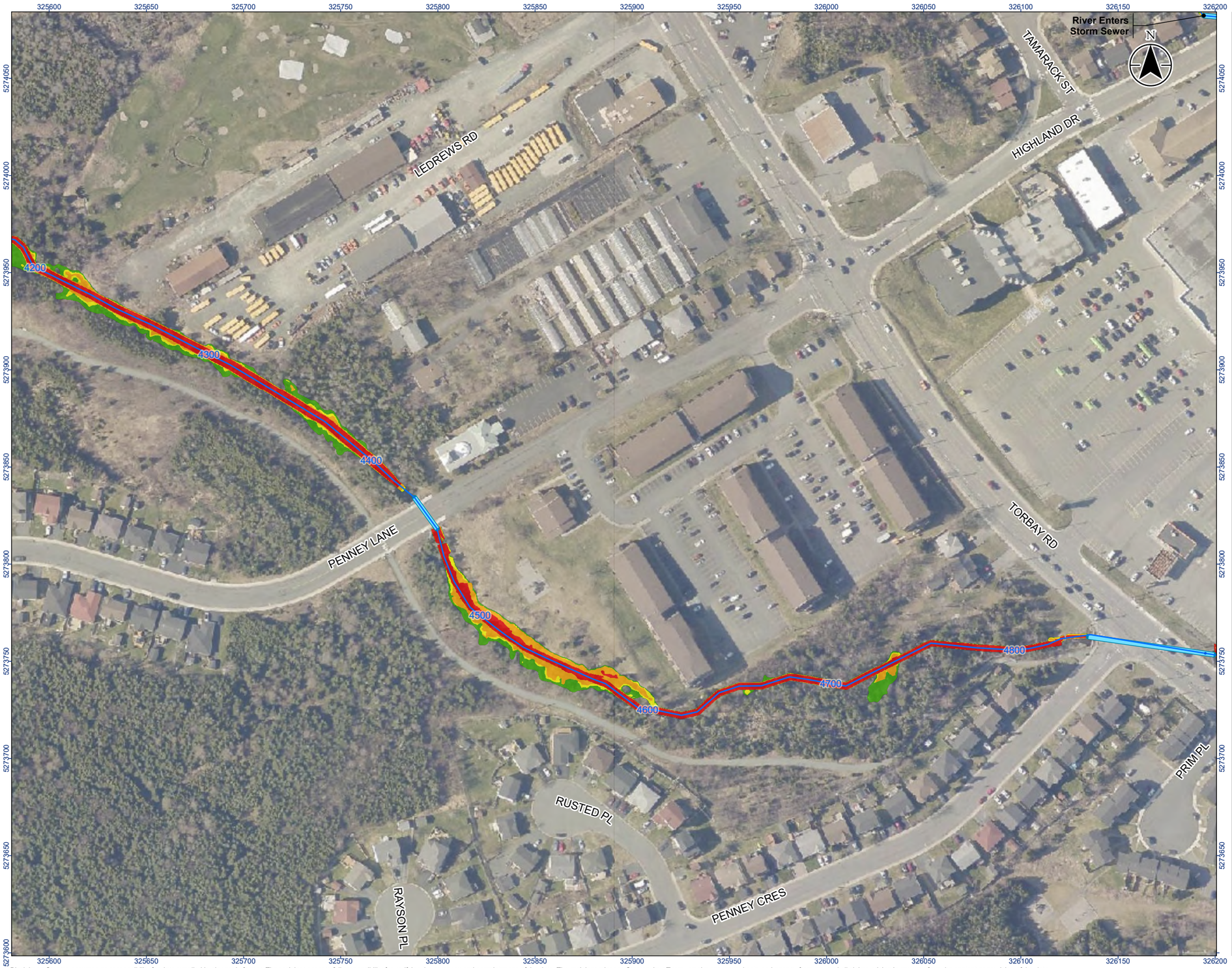
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-9

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 9 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

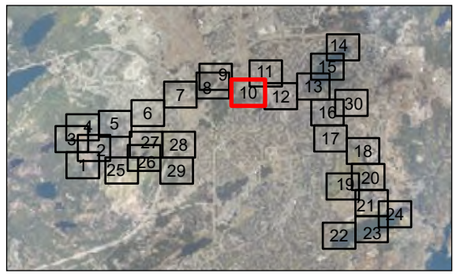
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
77-10

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 10 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang

Stantec

Legend

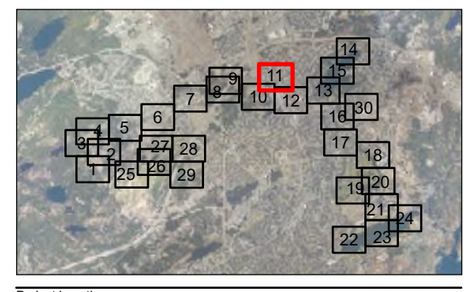
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



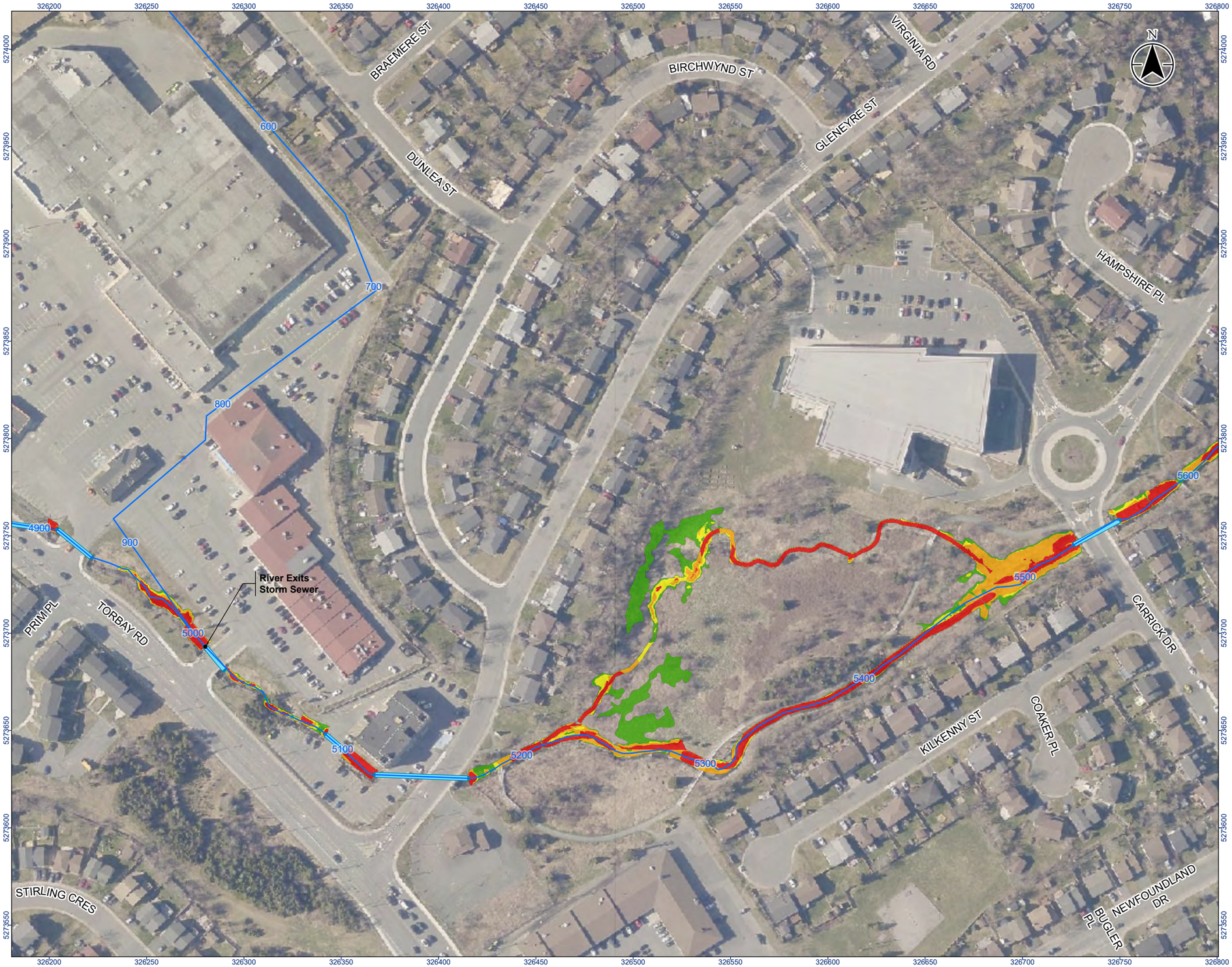
Project Location
City of St. John's

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.
77-11

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 11 of 30



Stantec

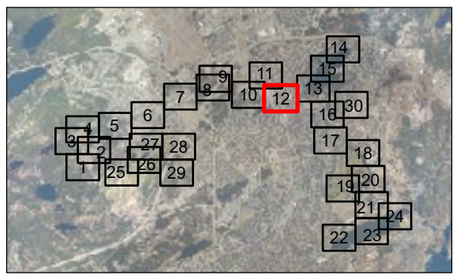
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

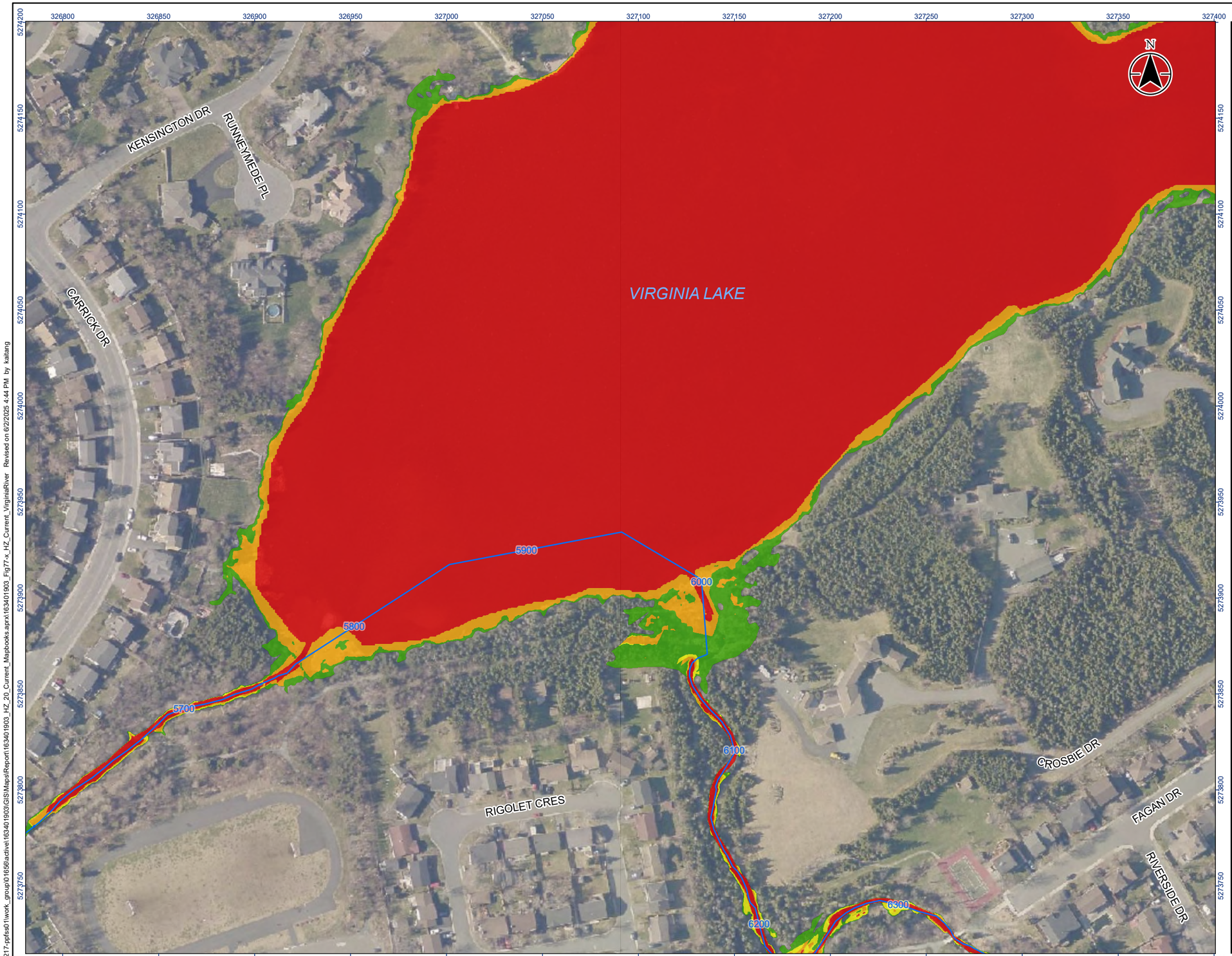
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-12

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 12 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

Legend

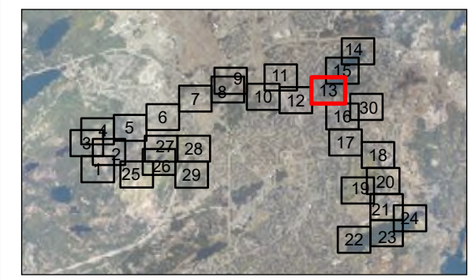
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

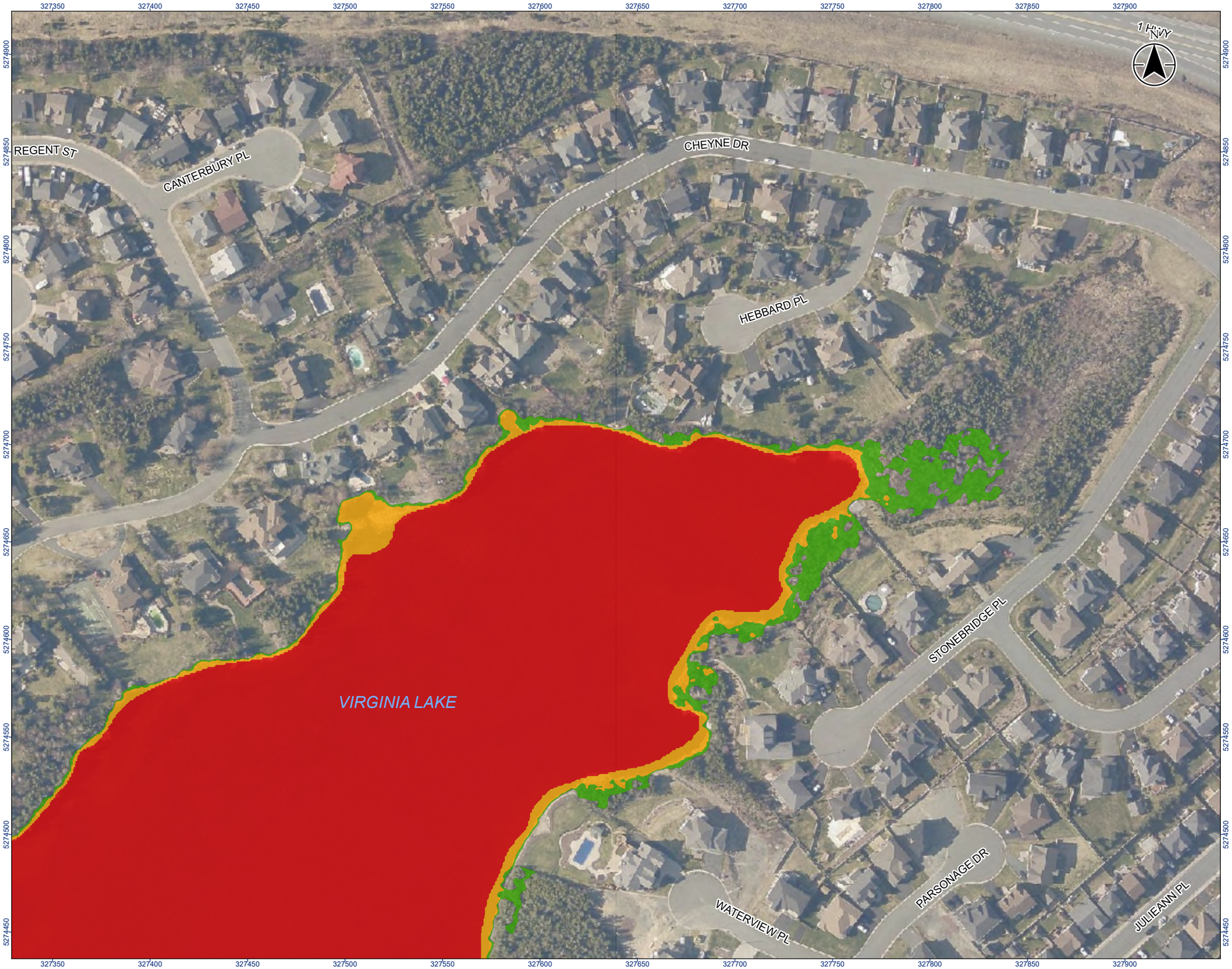
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-13

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 13 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

Legend

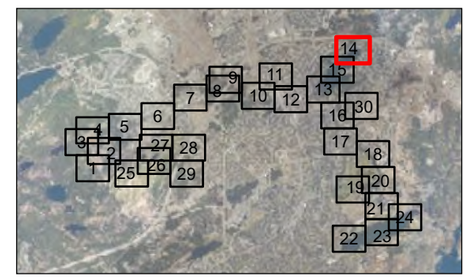
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

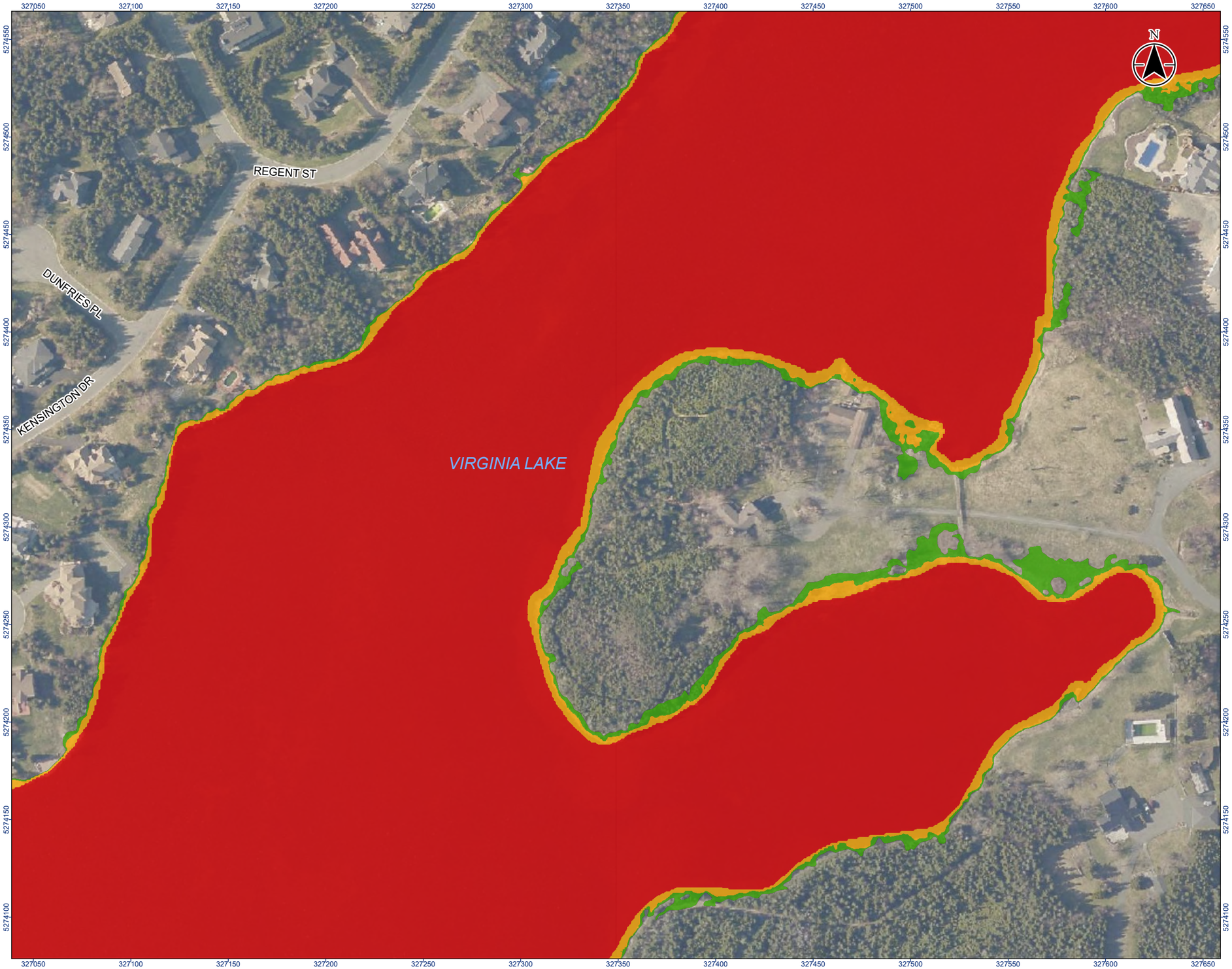
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-14

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 14 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

Legend

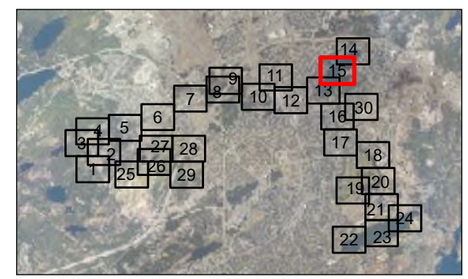
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
77-15

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 15 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang

Stantec

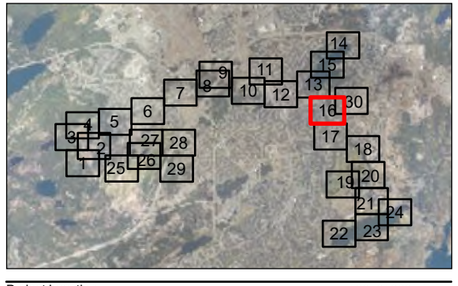
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

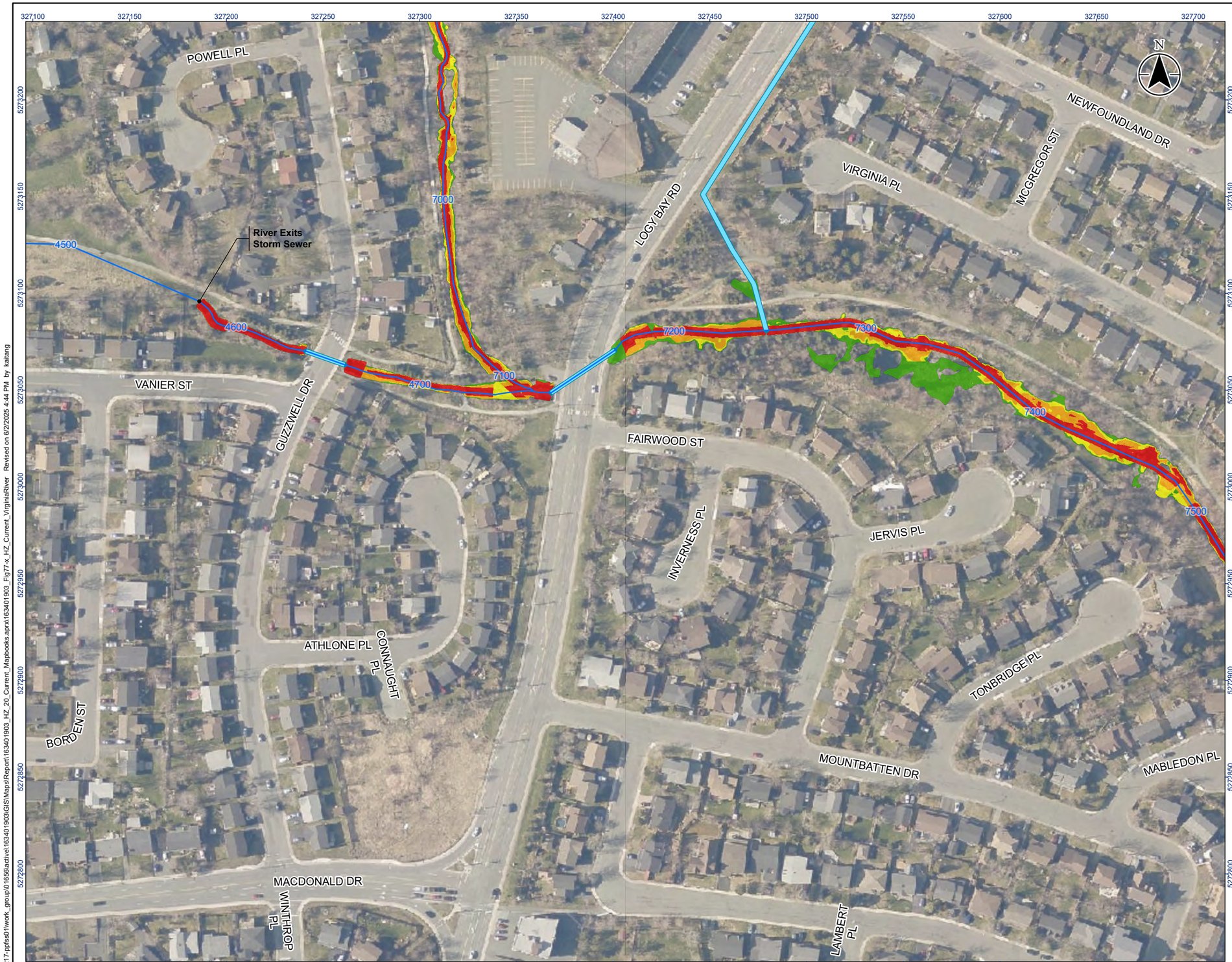
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-16

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 16 of 30

\\cab217-prfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

Legend

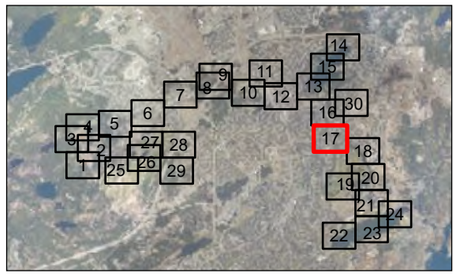
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

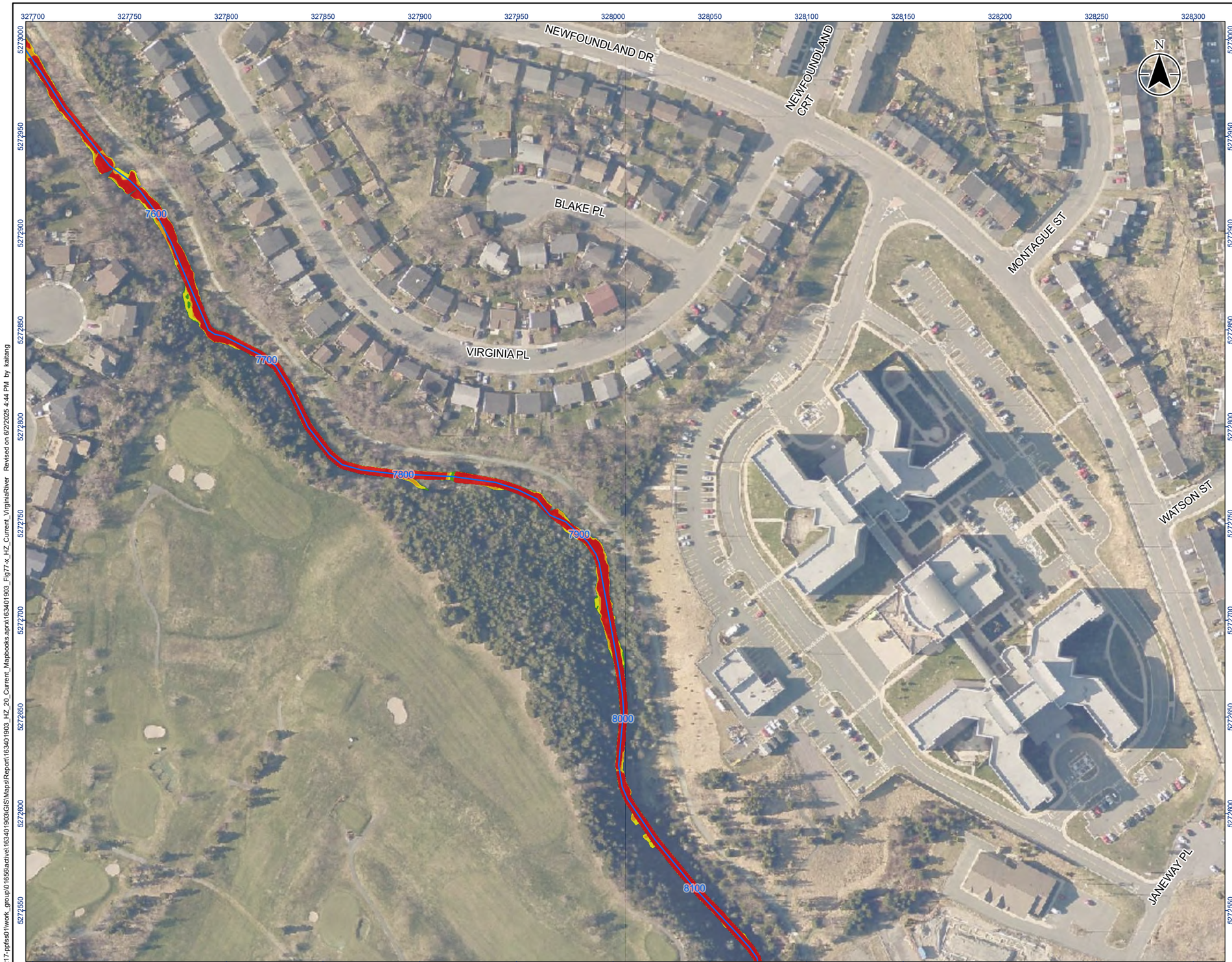
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-17

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 17 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

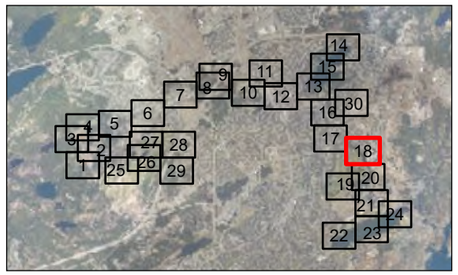
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
77-18

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 18 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang

Stantec

Legend

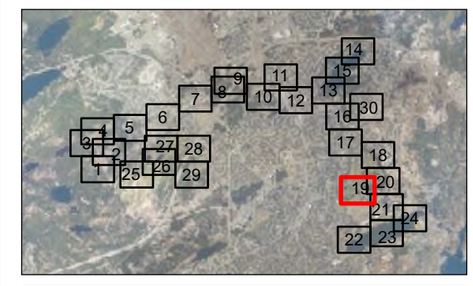
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

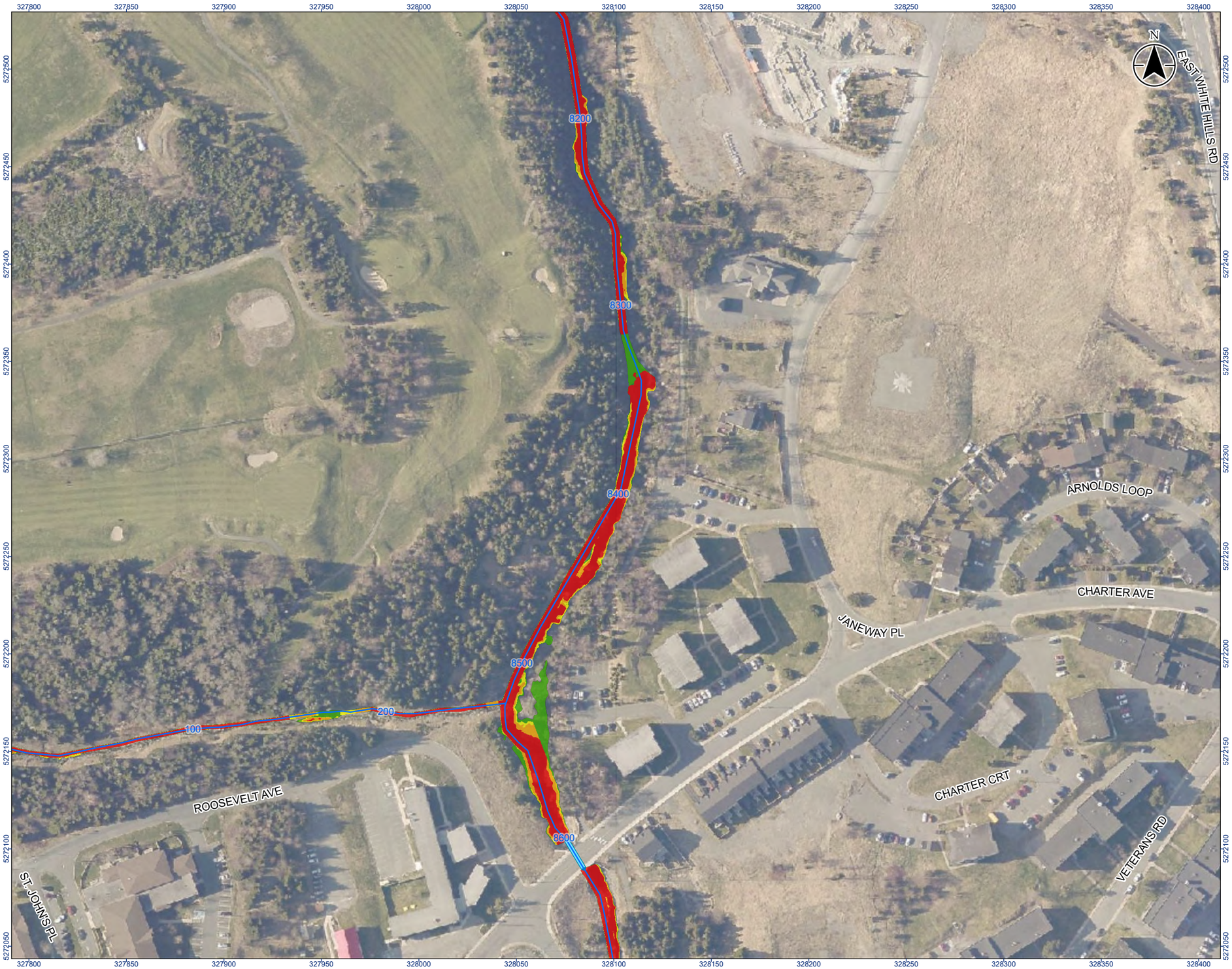
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-19

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 19 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

Legend

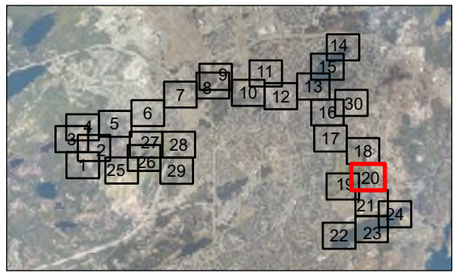
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

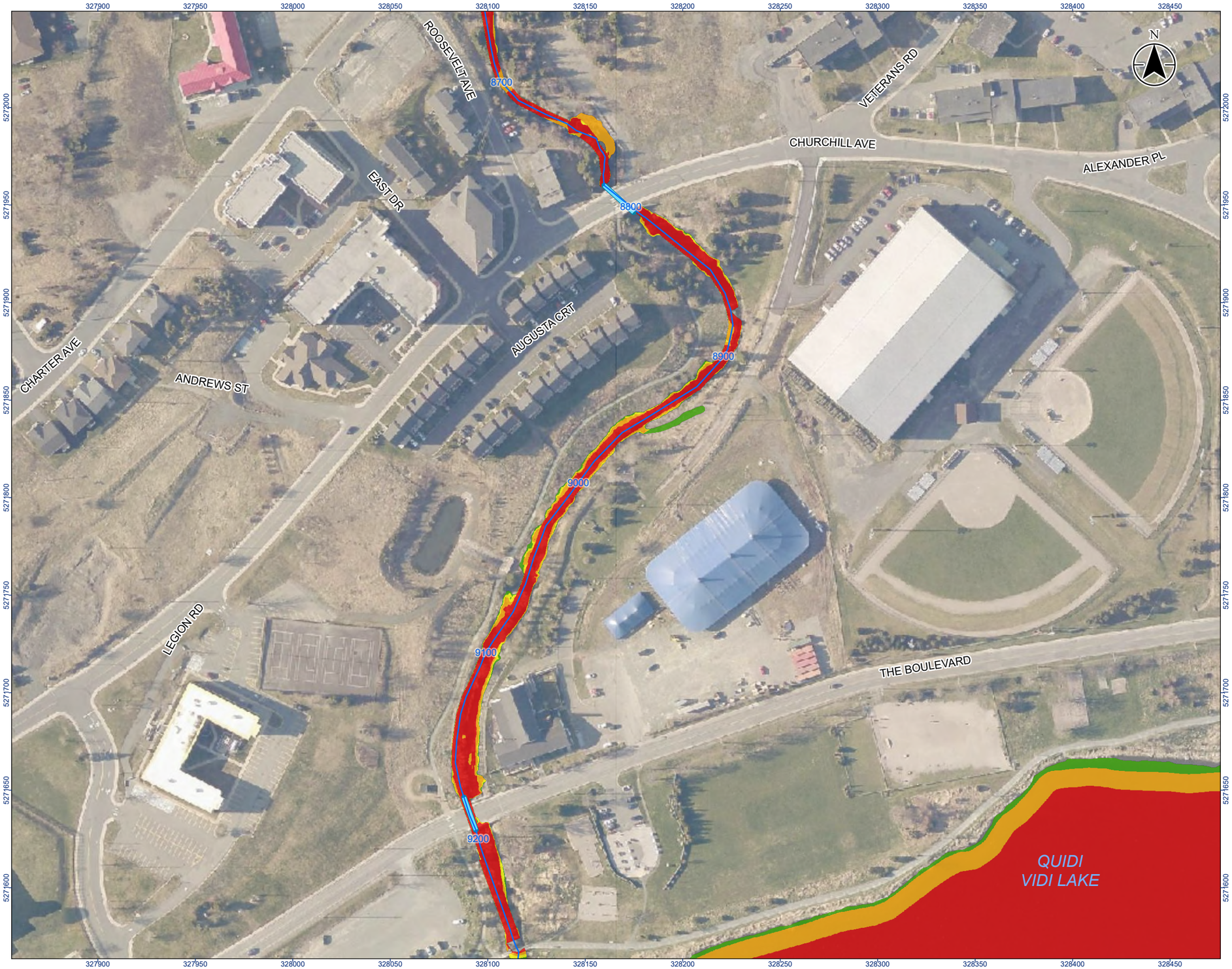
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-20

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 20 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

Legend

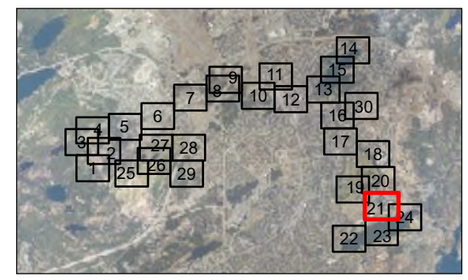
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



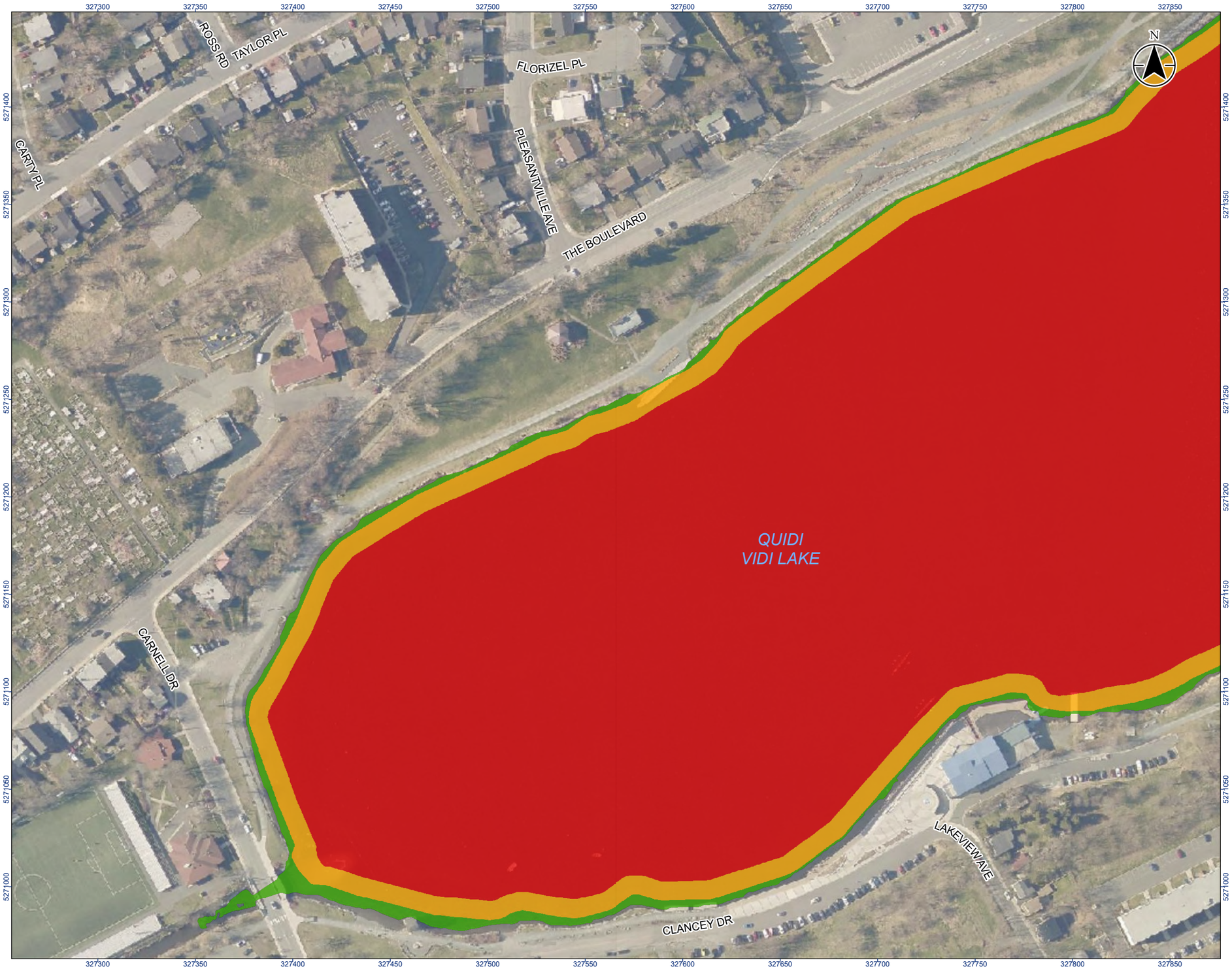
Project Location
City of St. John's

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.
77-21

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 21 of 30



Stantec

Legend

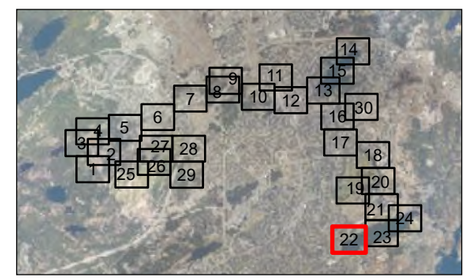
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

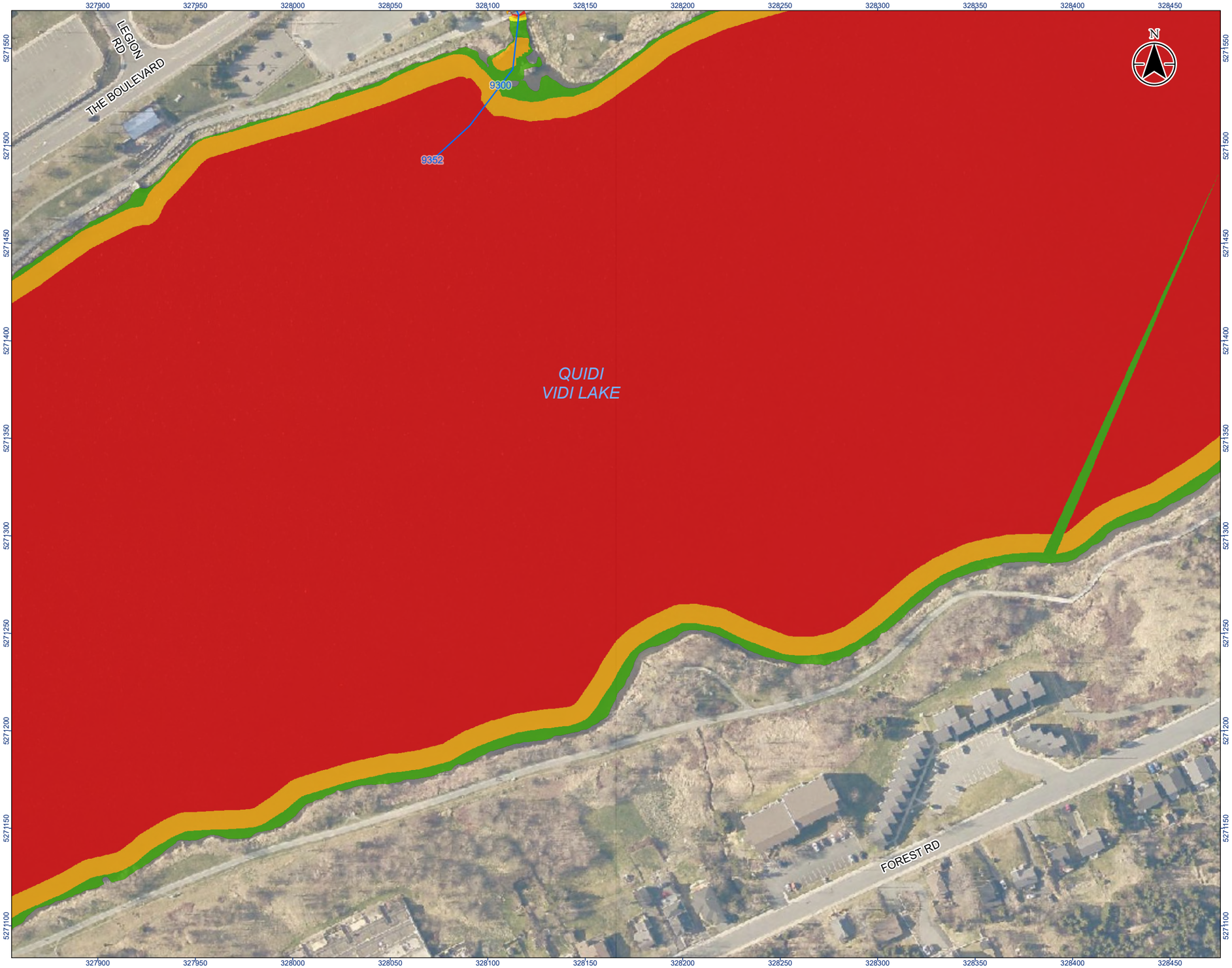
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-22

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 22 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

Legend

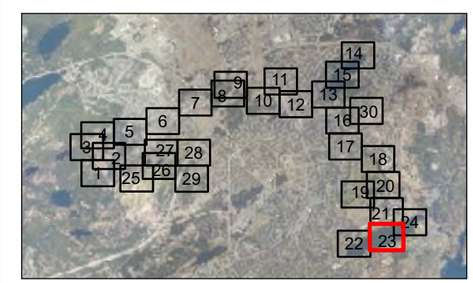
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

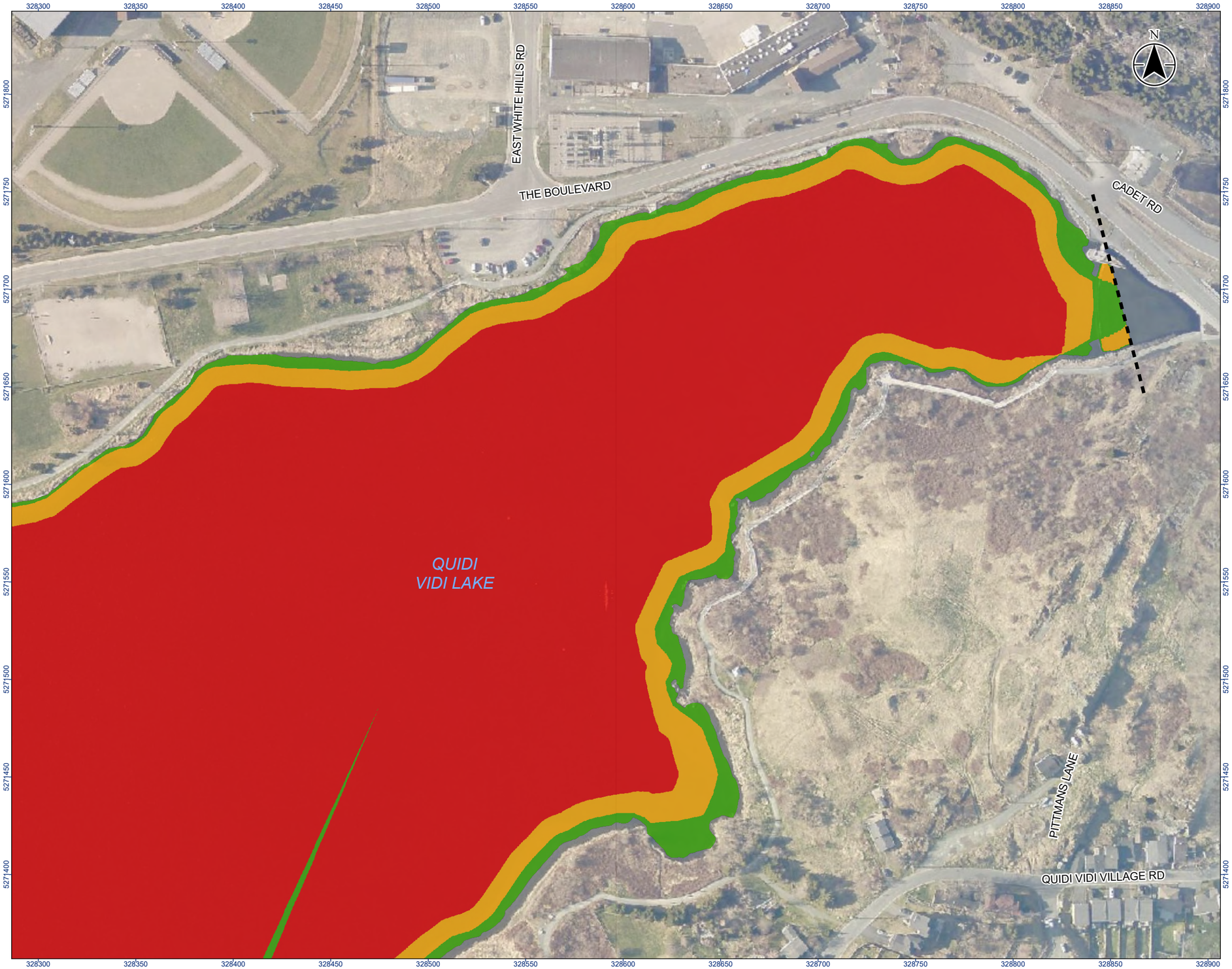
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-23

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 23 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

Legend

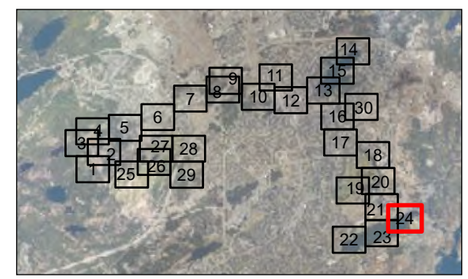
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
77-24

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 24 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang

Stantec

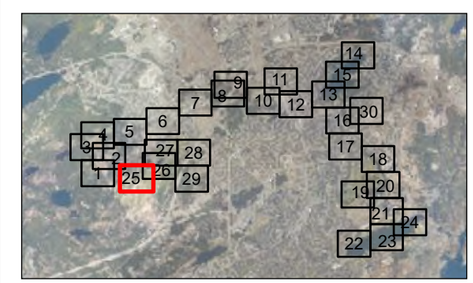
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
77-25

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 25 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang

Stantec

Legend

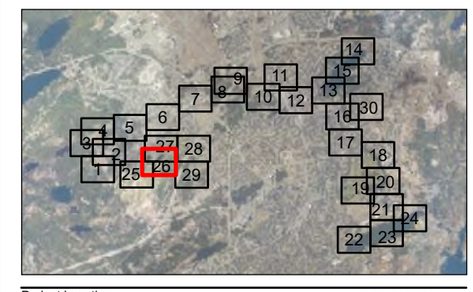
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

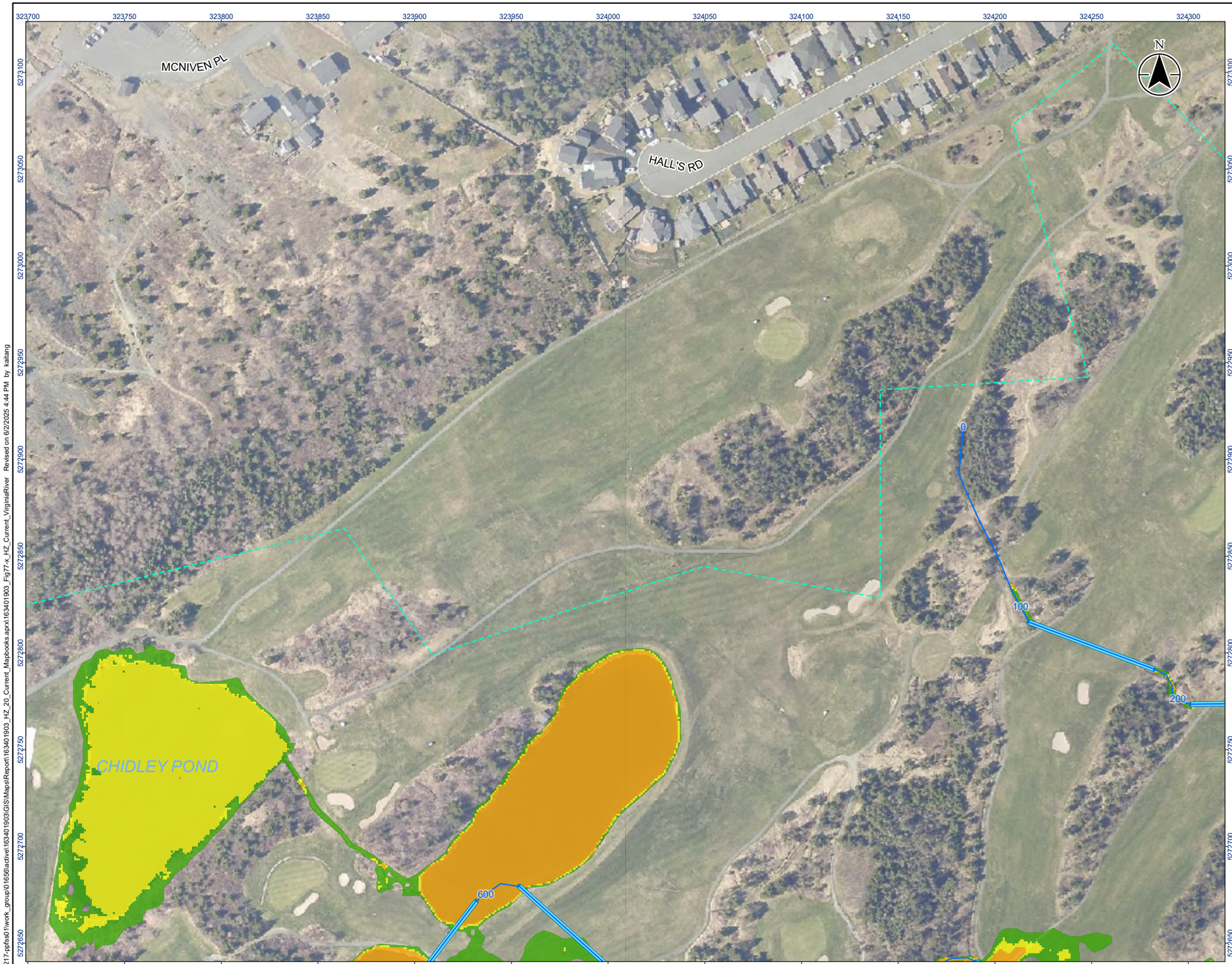
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-26

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 26 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

Legend

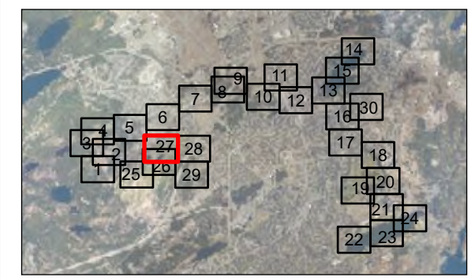
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

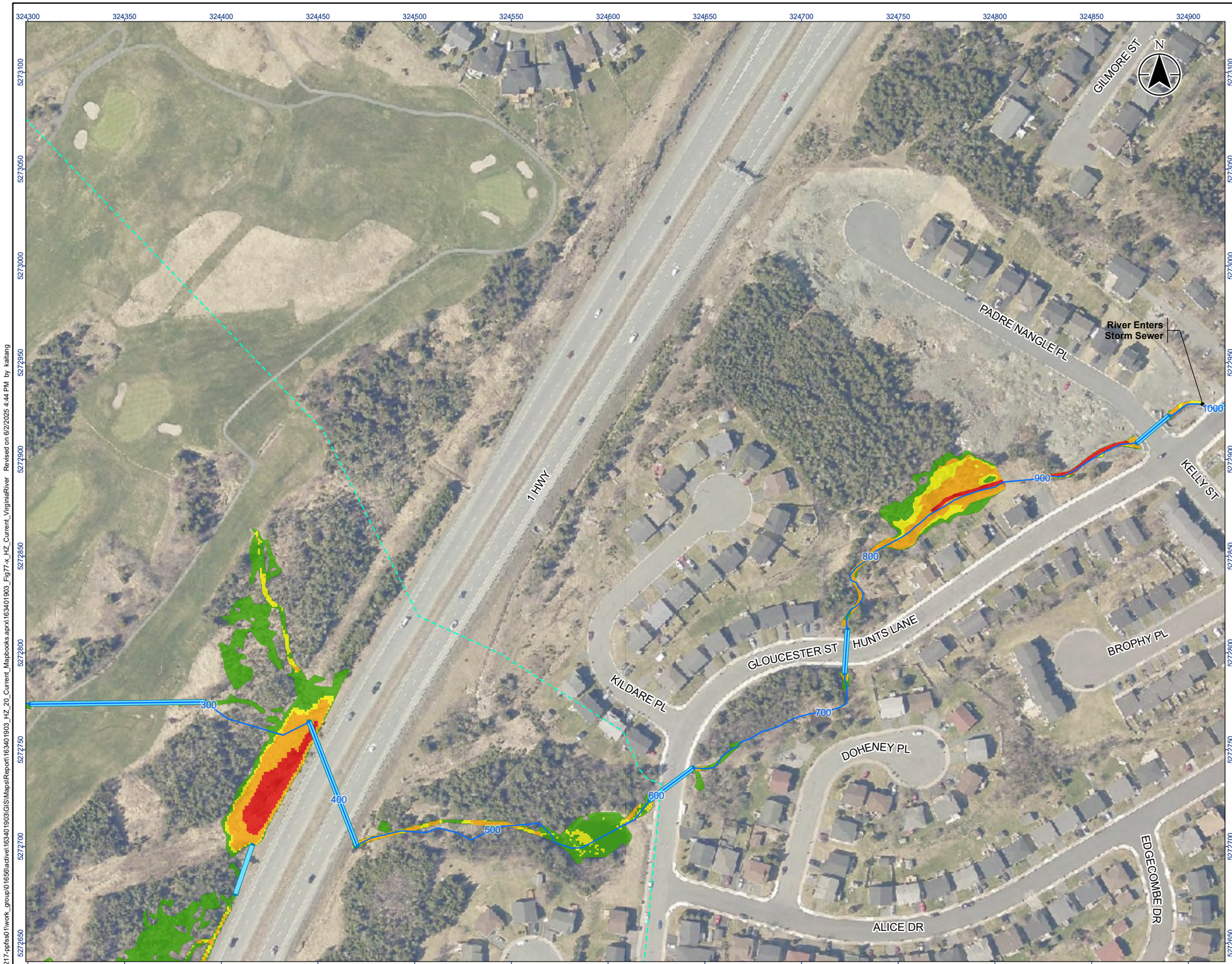
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-27

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 27 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

Legend

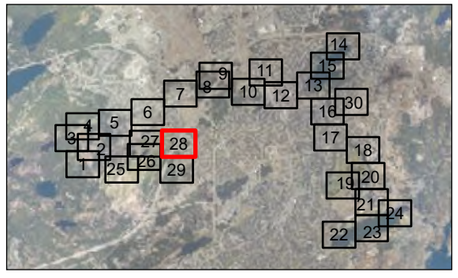
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
77-28

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 28 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang

Stantec

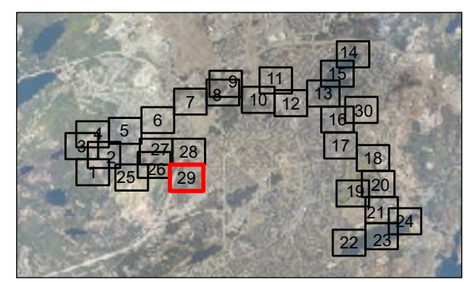
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
77-29

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 29 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang

Stantec

Legend

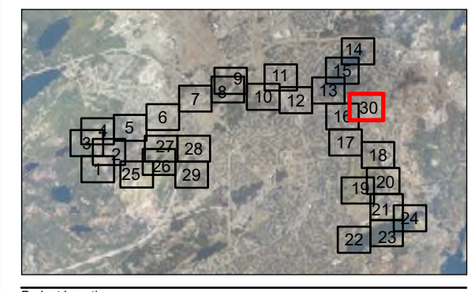
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

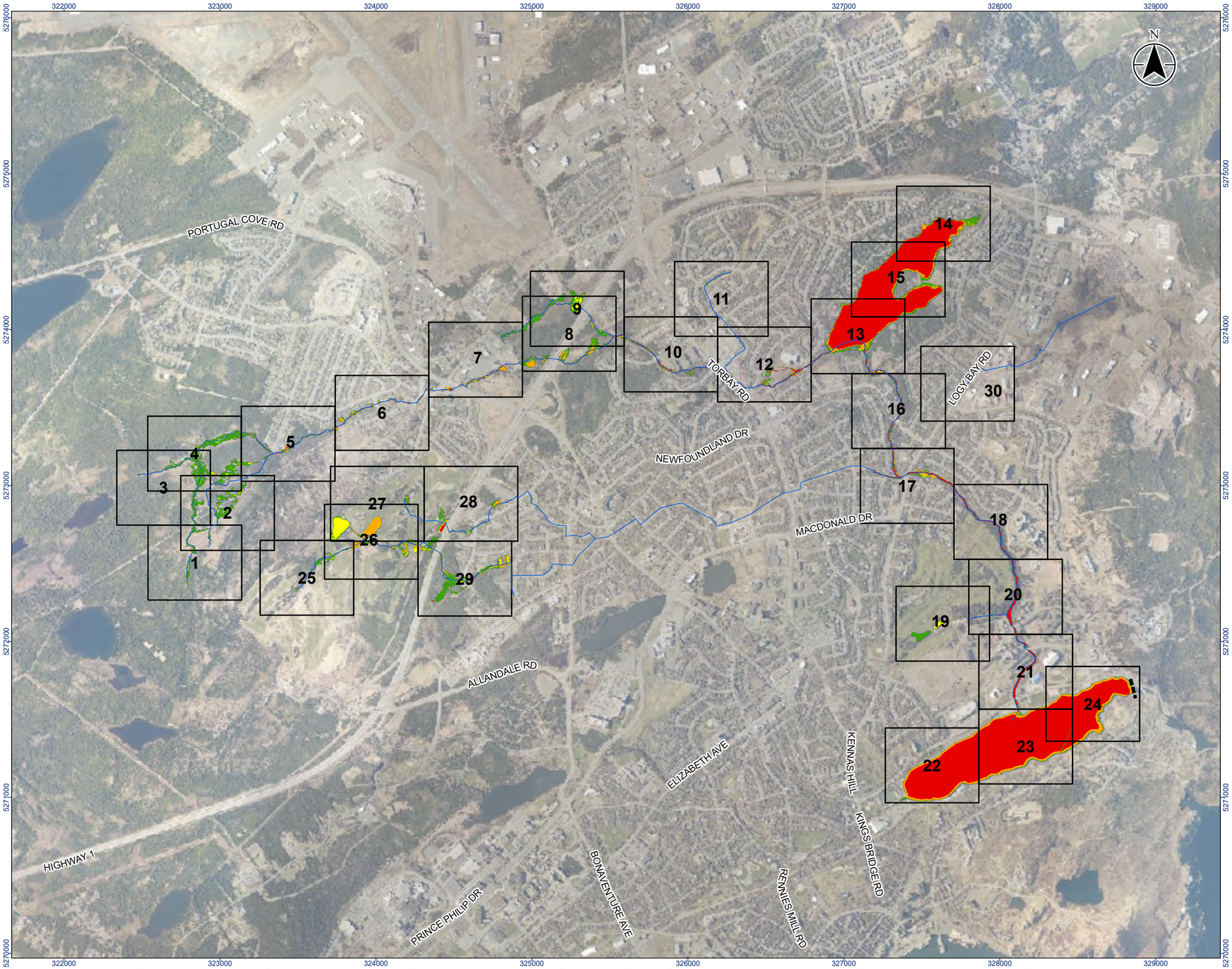
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
77-30

Title
Current Climate Condition
20-Year Hazard - Virginia River
Sheet 30 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_Current_Mapbooks.aprx\163401903_Fig77-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:44 PM by kaitang



Stantec

Legend

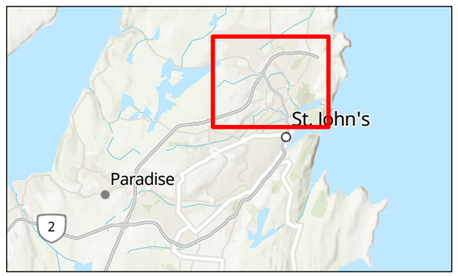
- River/Creek Centreline
- Limit of Mapping
- Map Extents
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 490 980 m

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

Notes

1. Coordinate System: NAD 1983 MTM 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

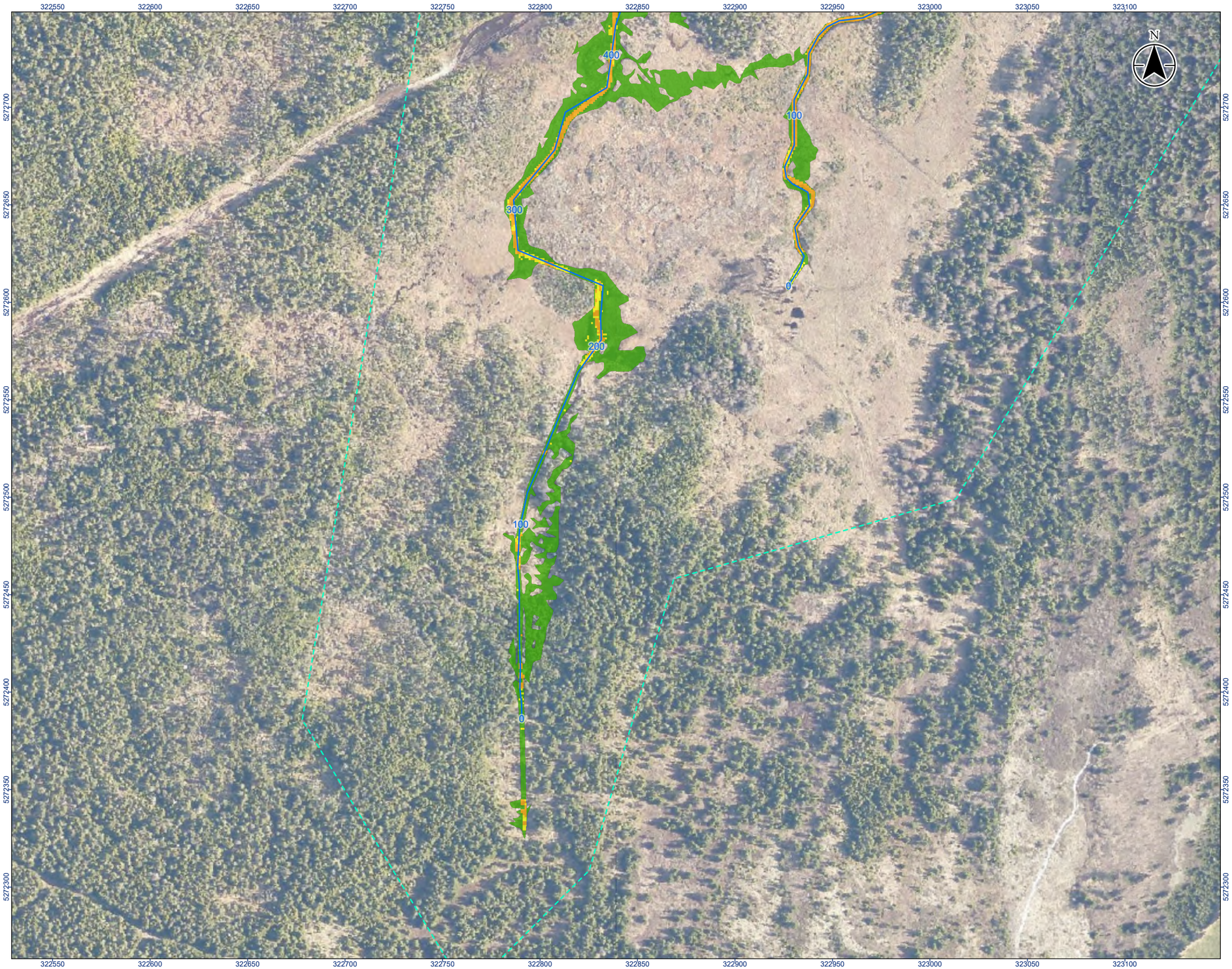
163401903 REVA
Prepared by kebuchanan on 2024-12-20

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

Figure No.
91-0

Title
Climate Change Condition 20-Year Hazard - Virginia River Overview Map

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_Overview_Mapbooks.aprx\163401903_FigX-0_HZ_20-yr_ClimateChange_Overview Revised on 12/20/2024 9:42 AM by kebuchanan



Stantec

Legend

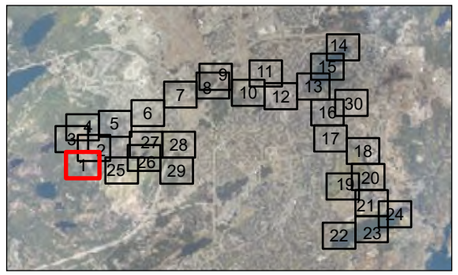
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

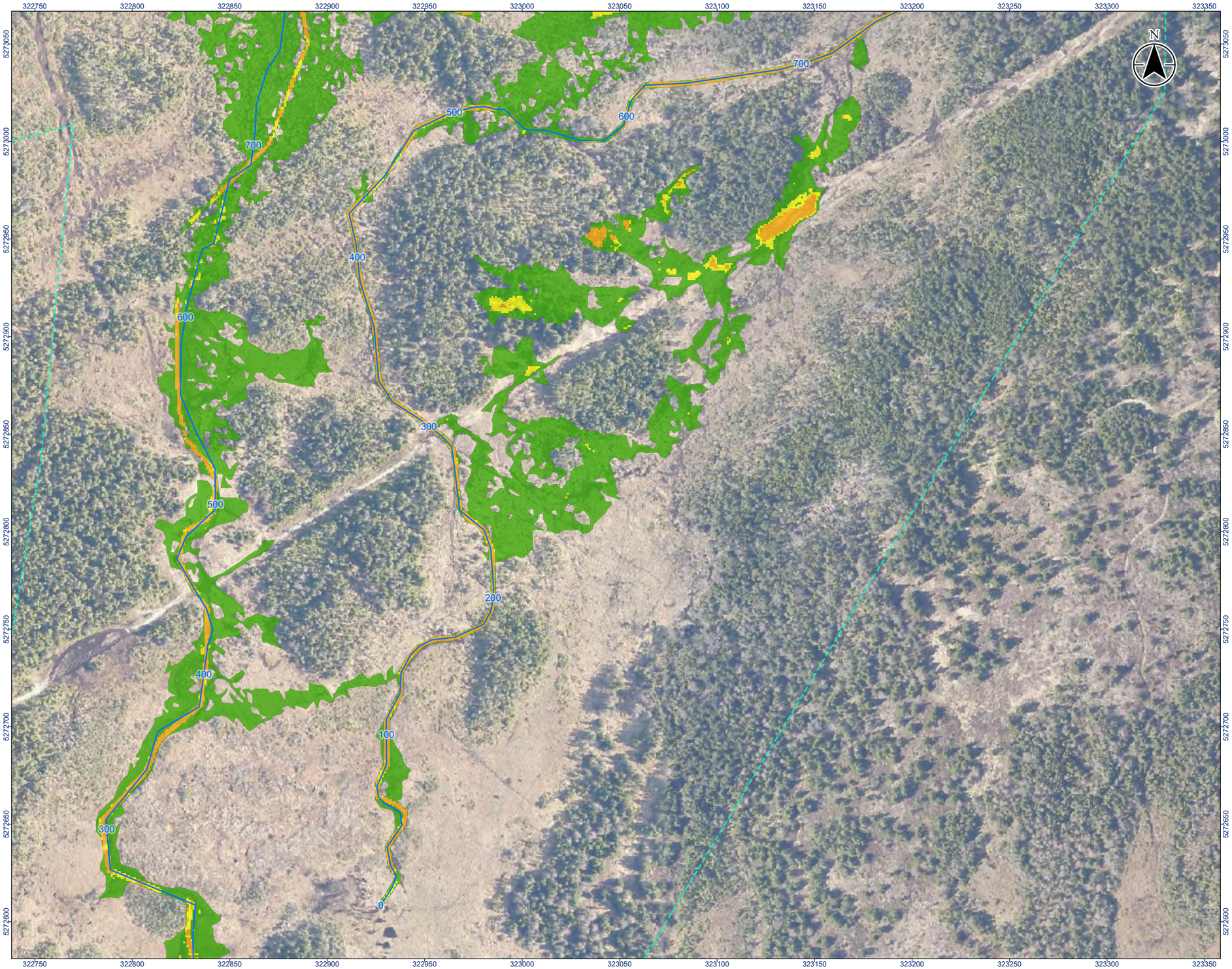
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-1

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 1 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

Legend

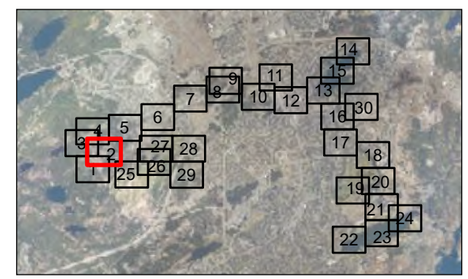
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

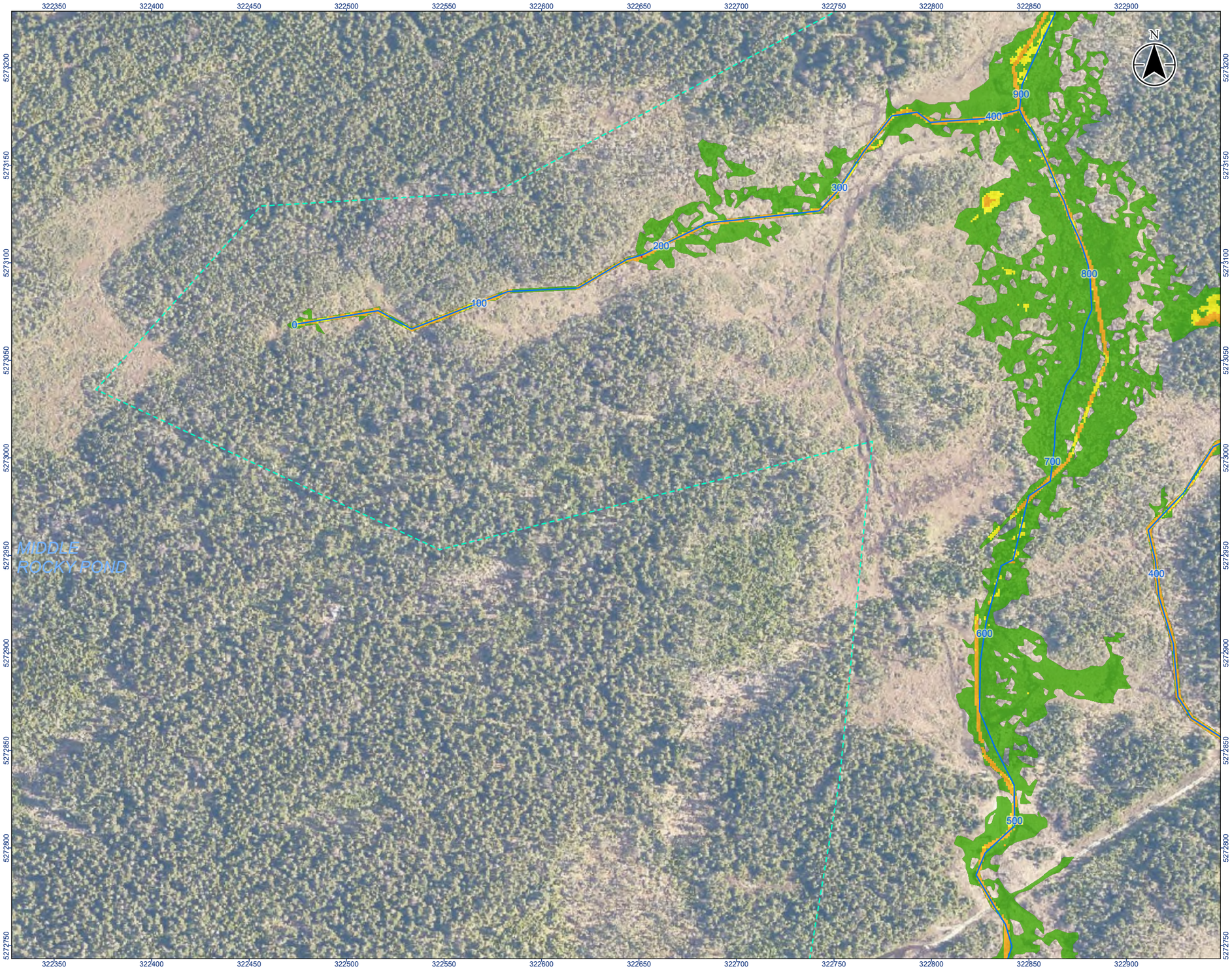
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-2

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 2 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks aprx\163401903_Fig91x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

Legend

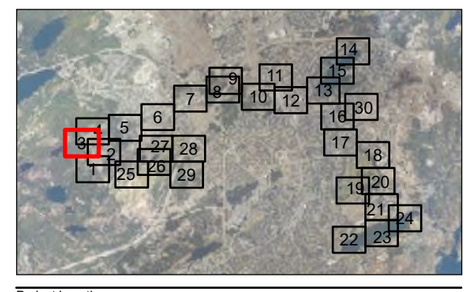
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

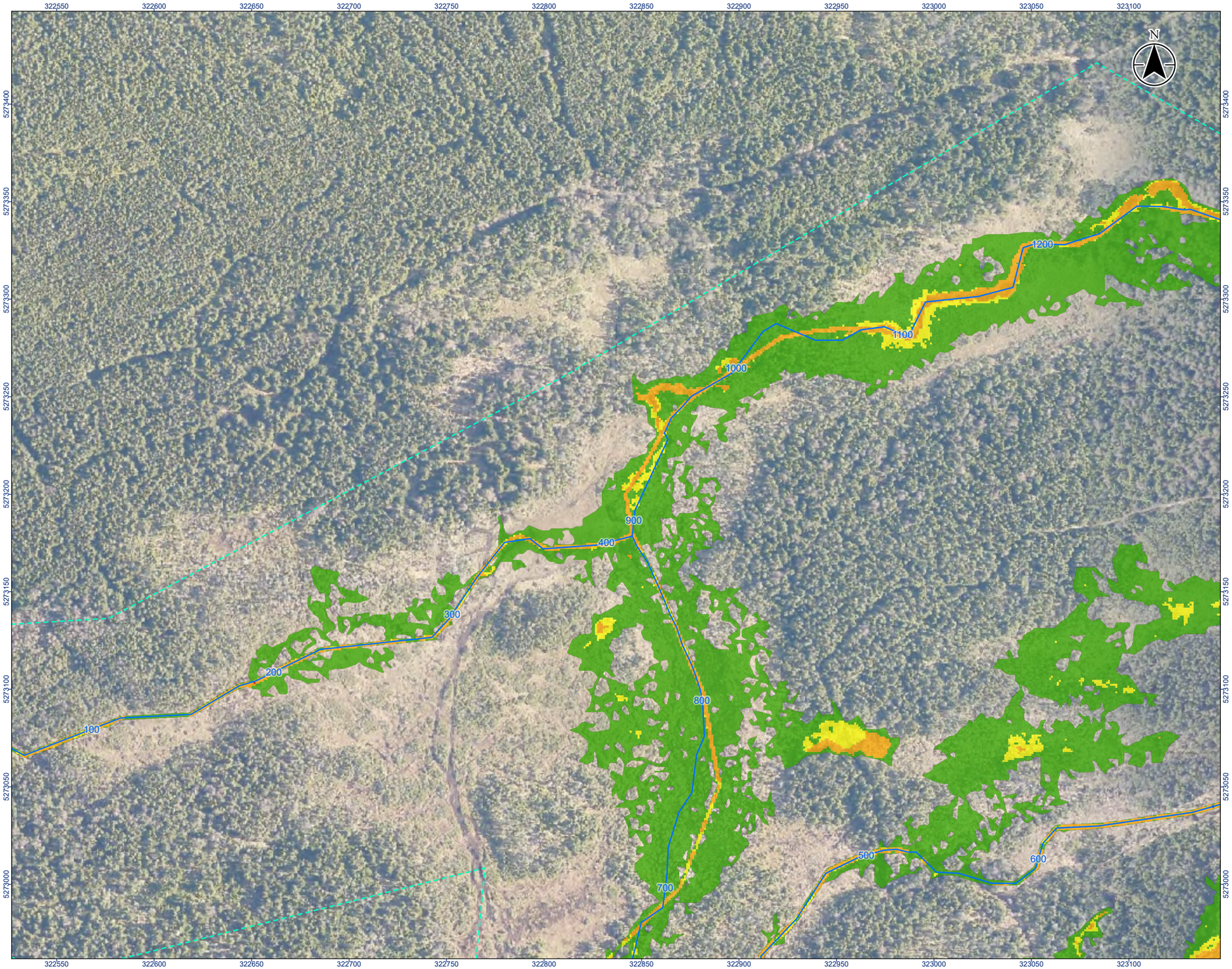
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-3

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 3 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

Legend

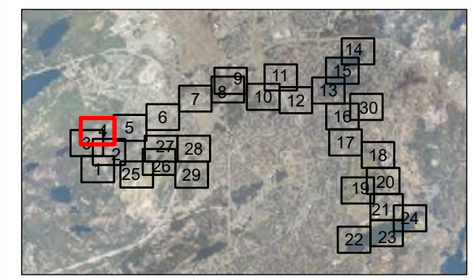
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

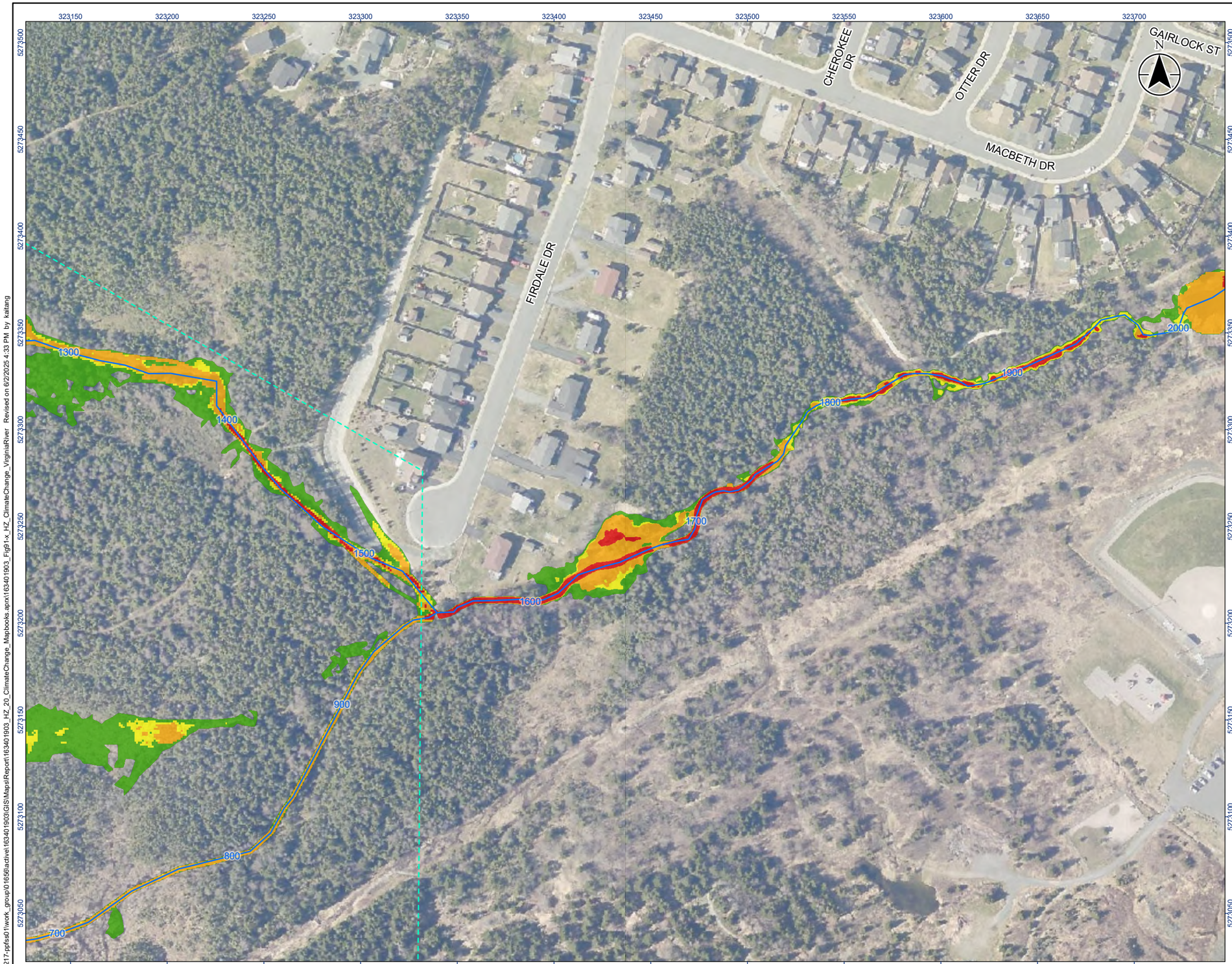
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-4

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 4 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks aprx\163401903_Fig91x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

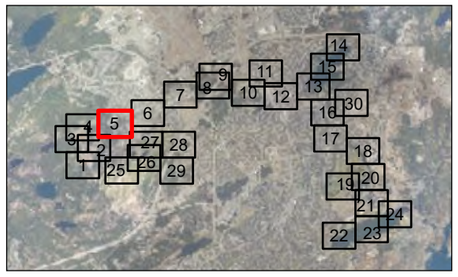
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

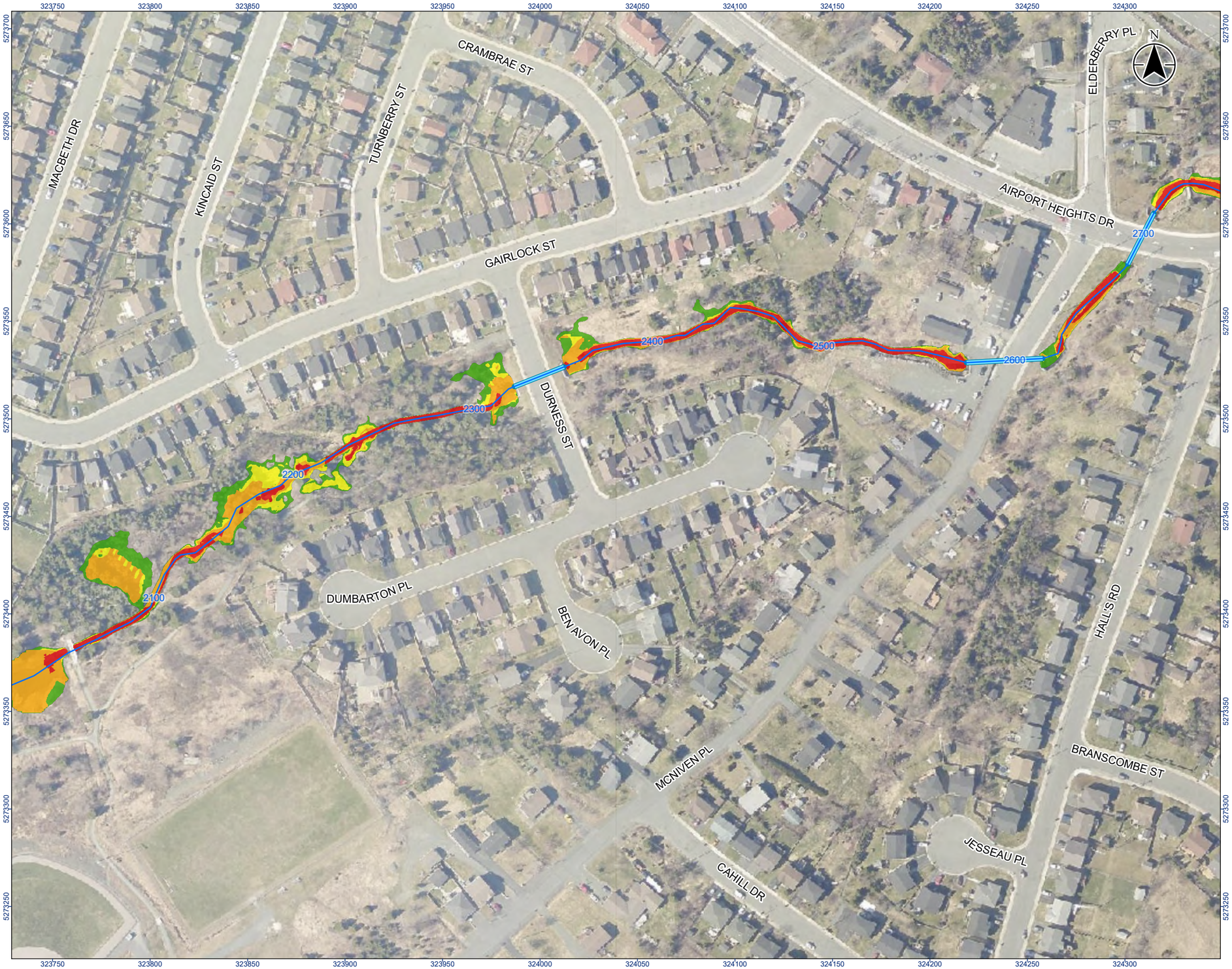
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-5

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 5 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

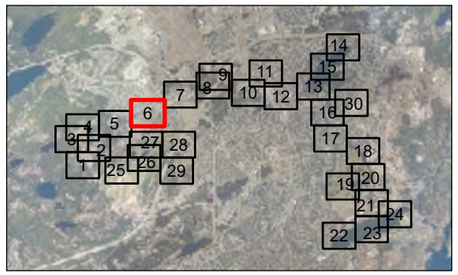
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

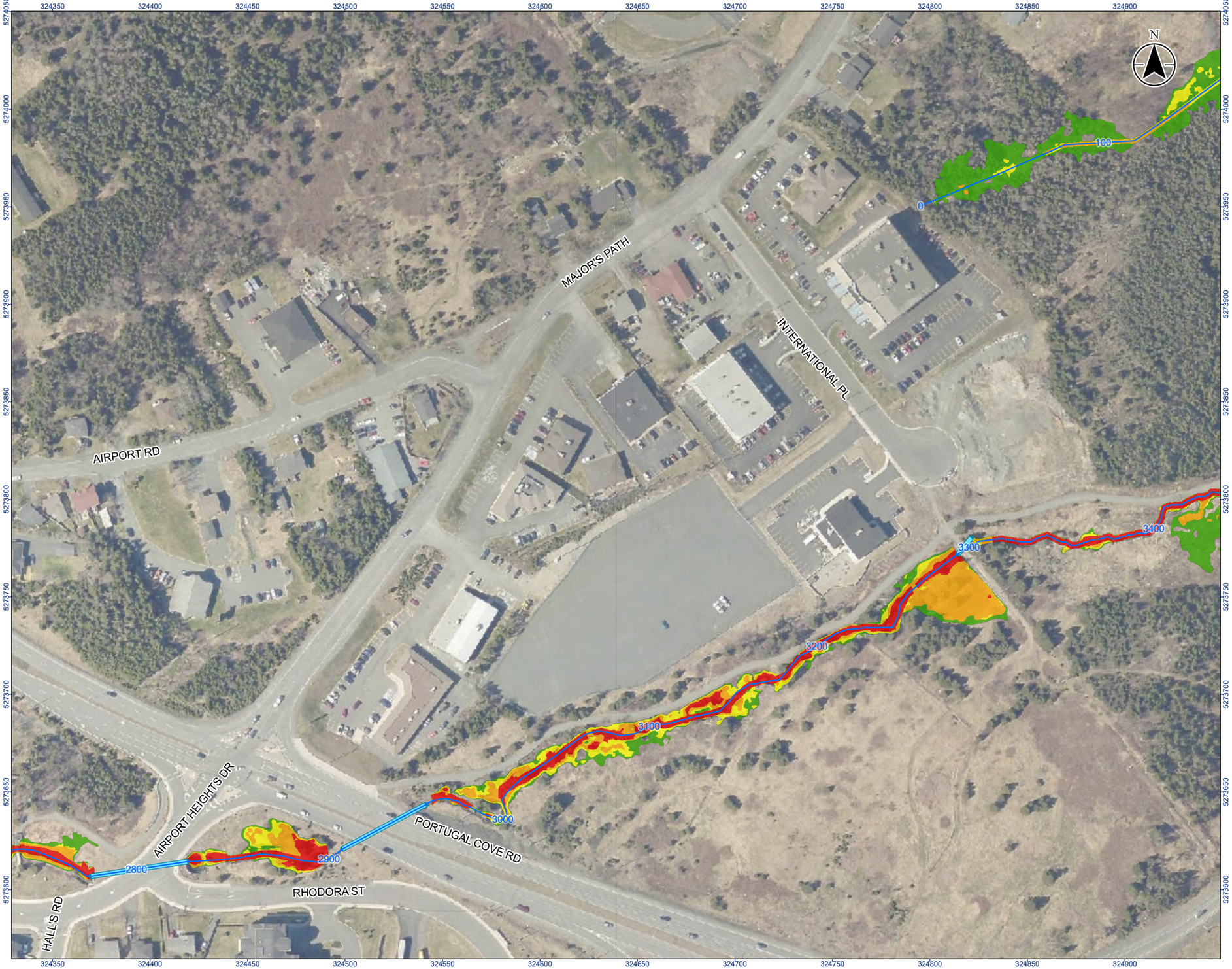
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-6

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 6 of 30

\\ca0217-pptfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

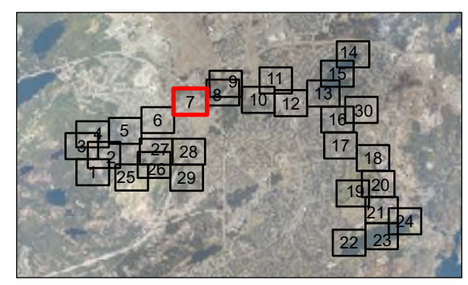
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

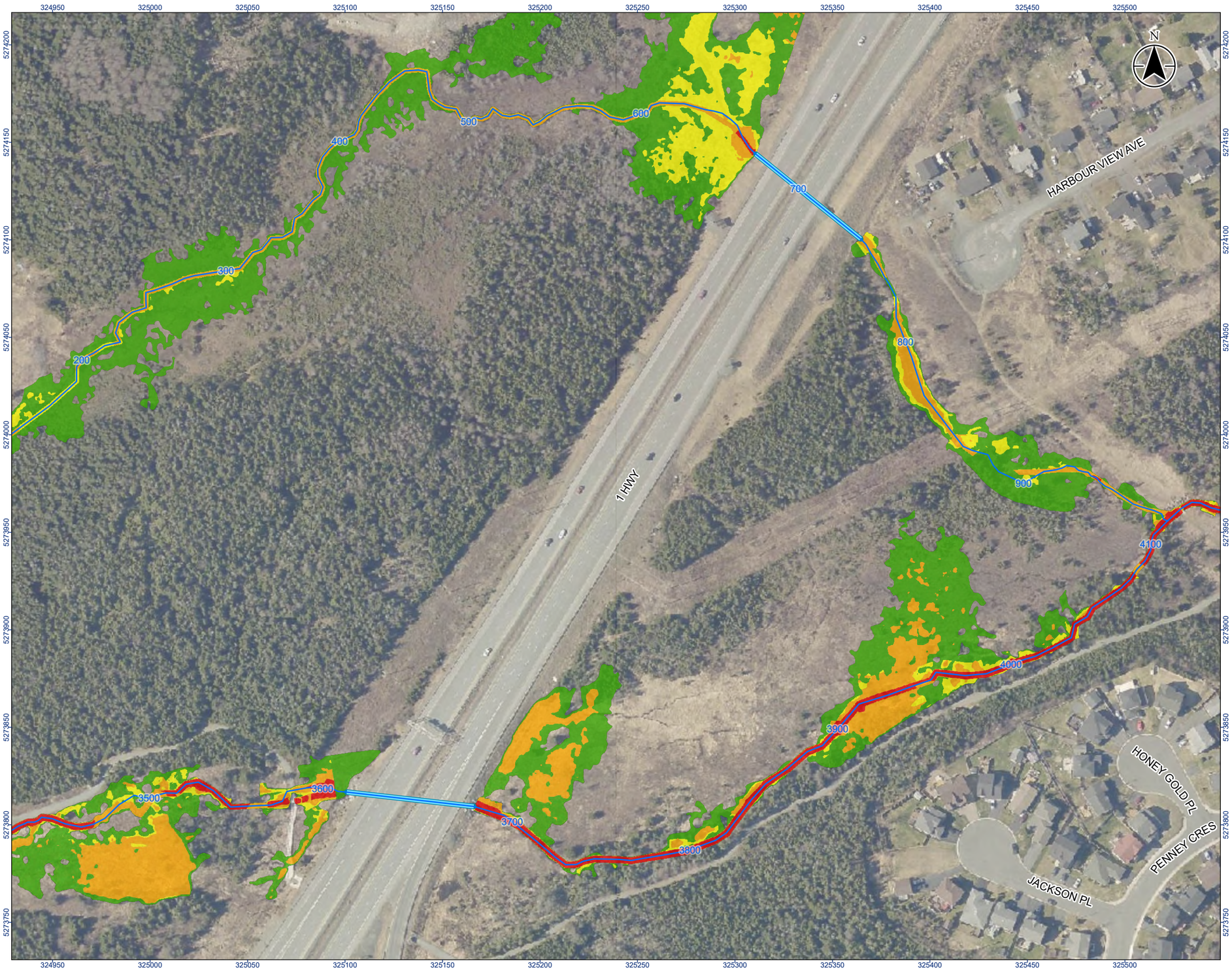
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-7

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 7 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

Legend

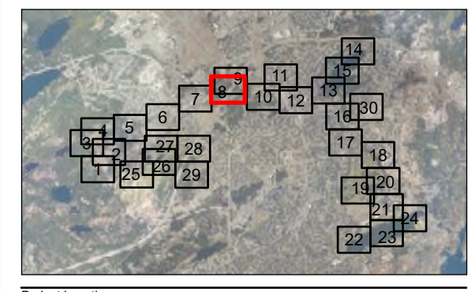
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

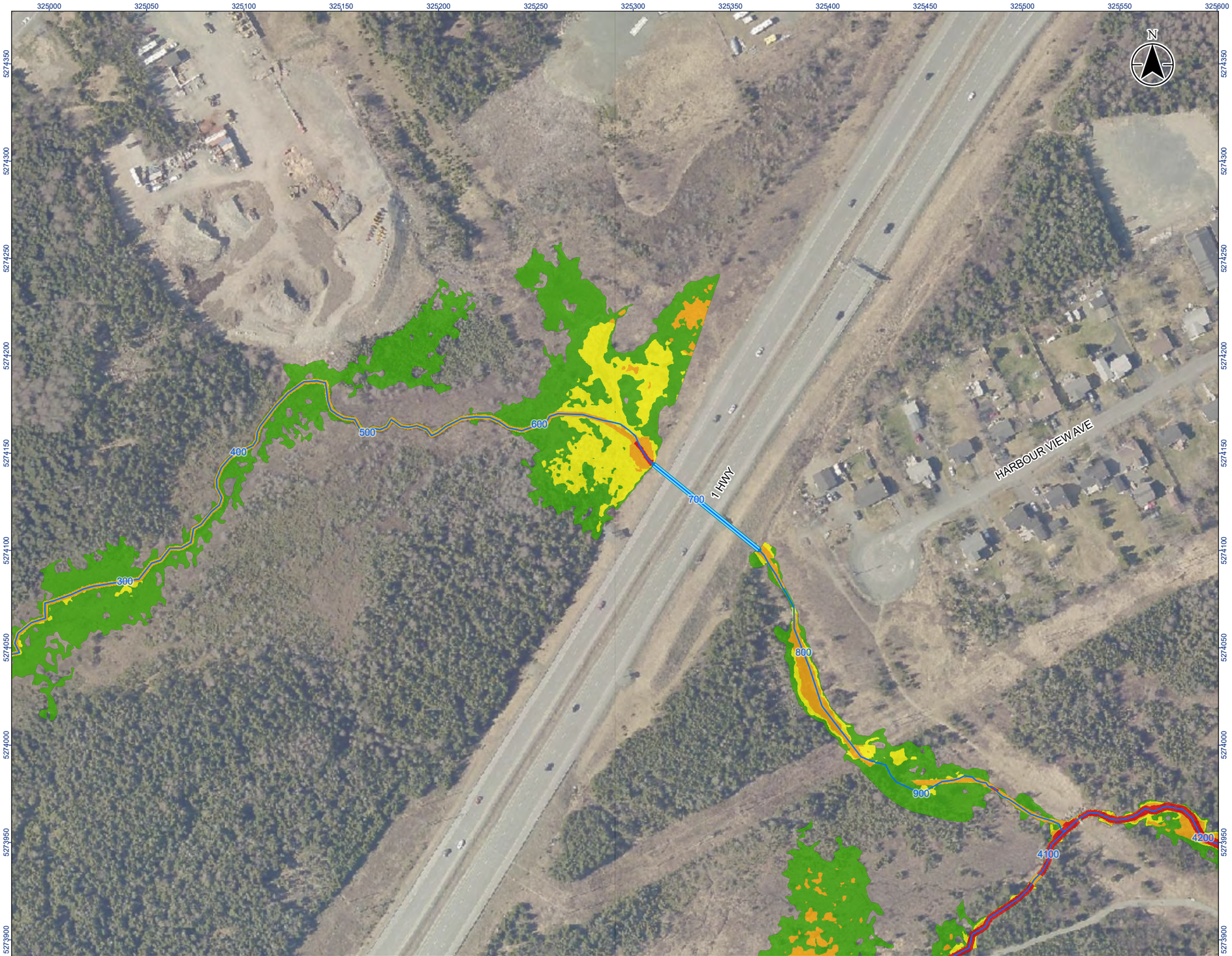
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-8

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 8 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

Legend

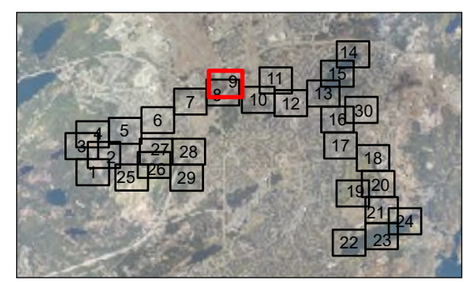
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

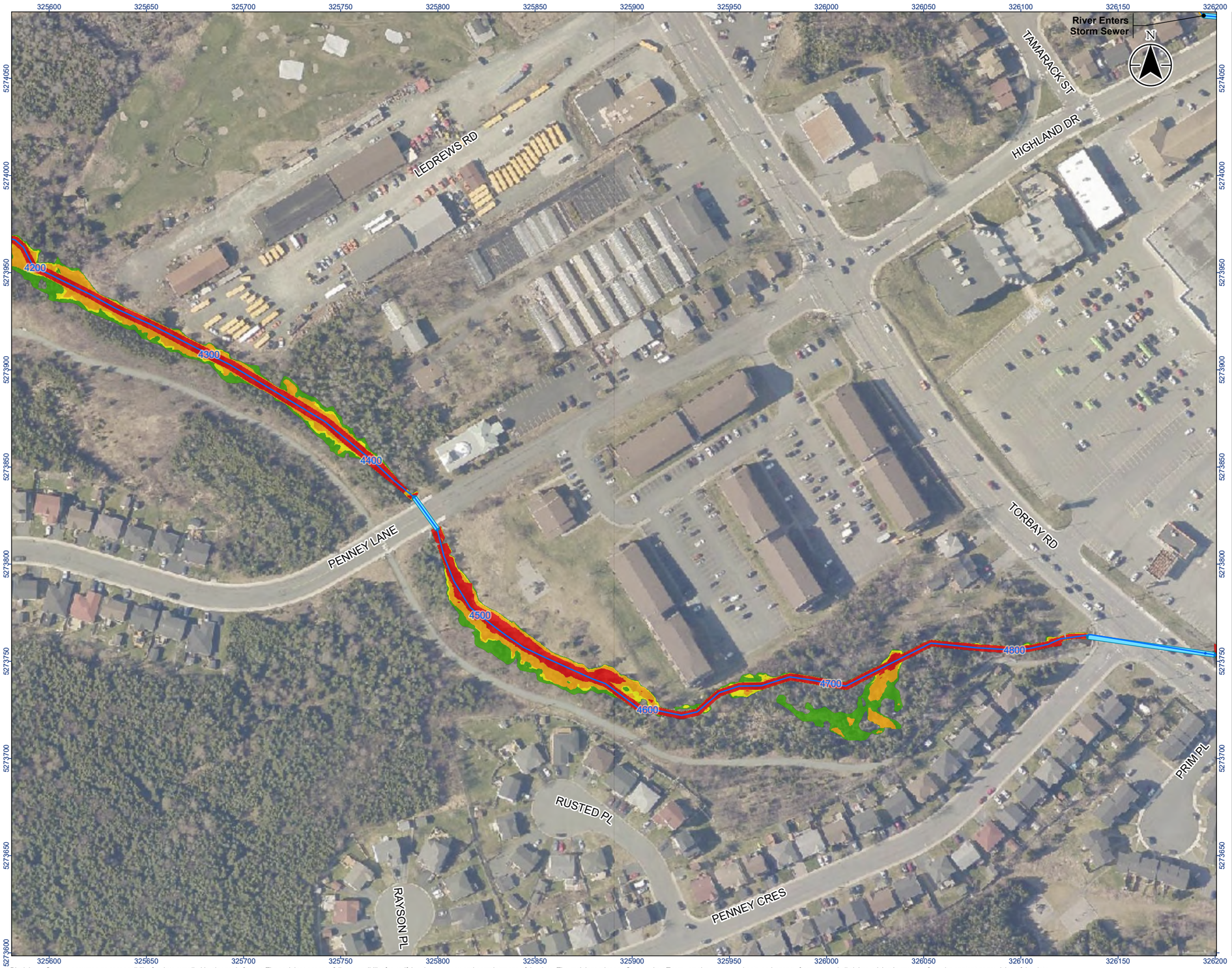
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-9

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 9 of 30

\\ca0217-pfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

Legend

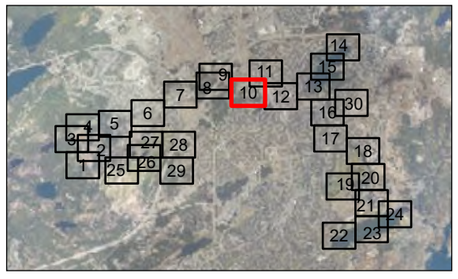
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
91-10

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 10 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang

Stantec

Legend

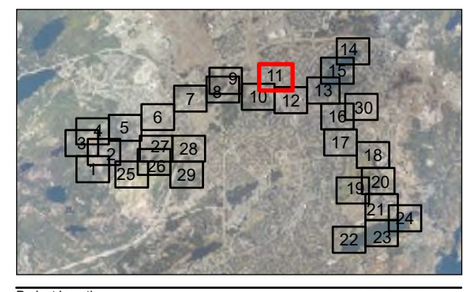
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

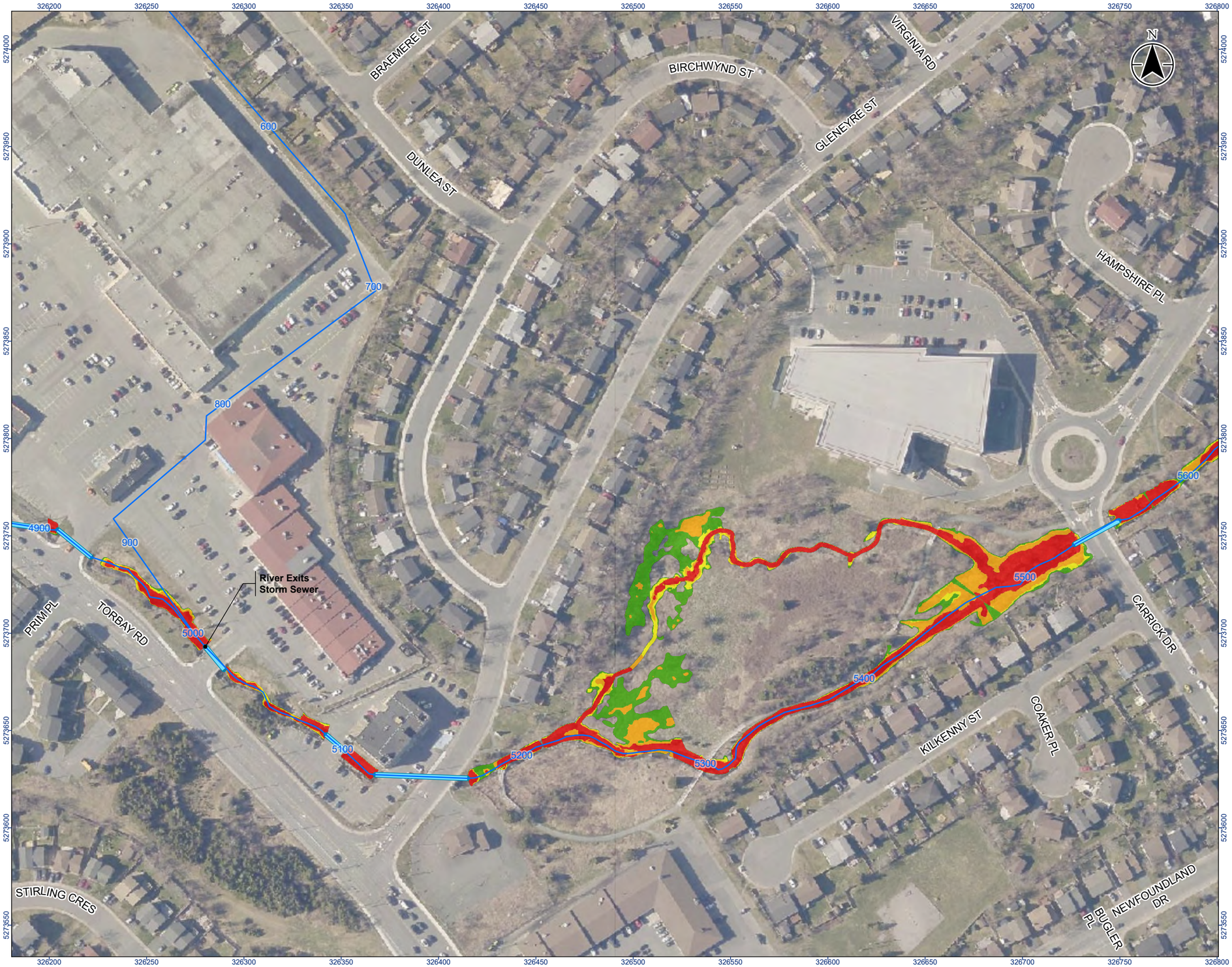
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-11

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 11 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

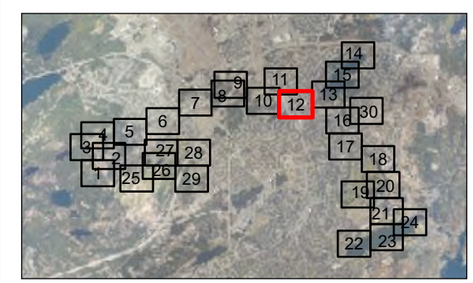
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

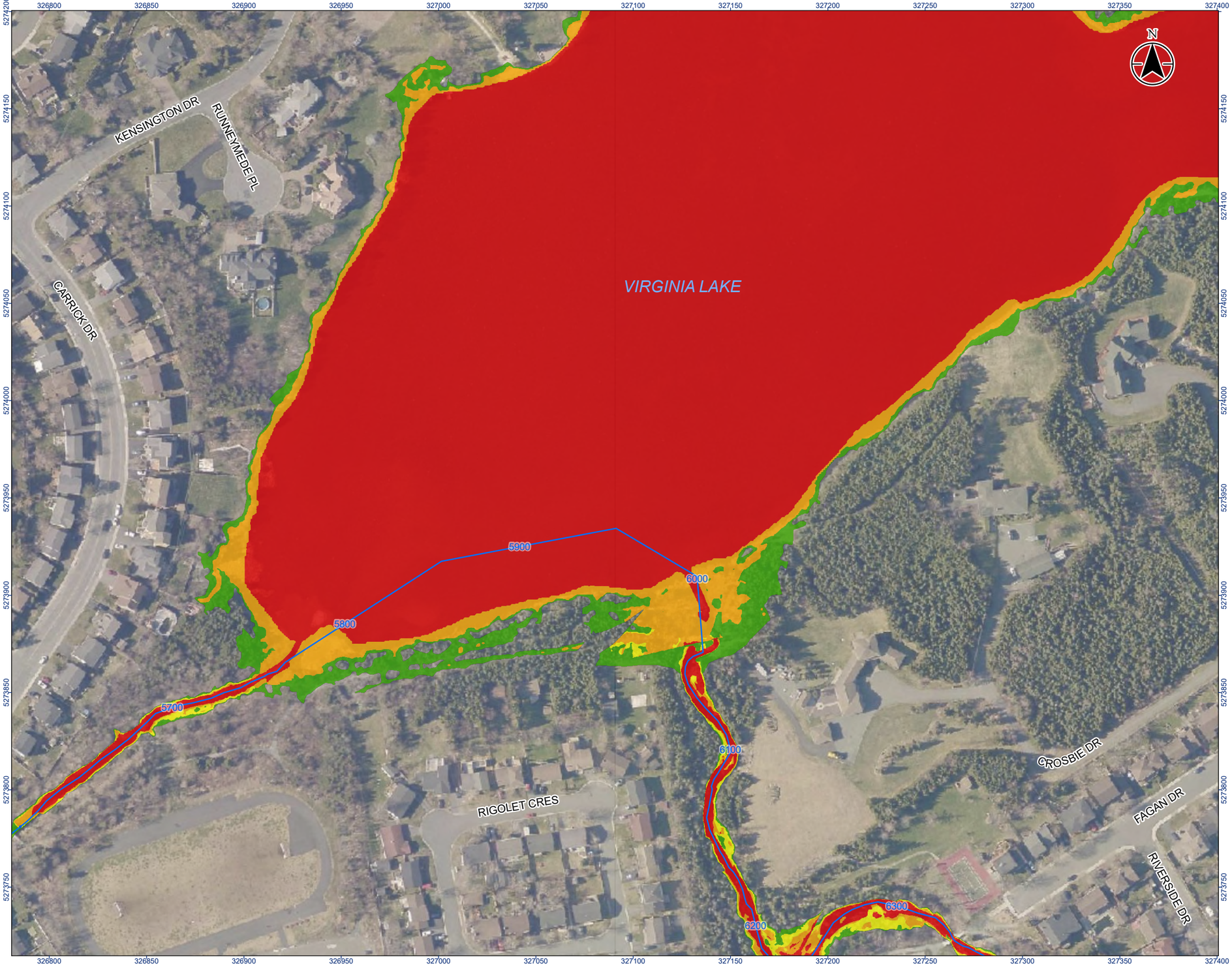
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-12

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 12 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

Legend

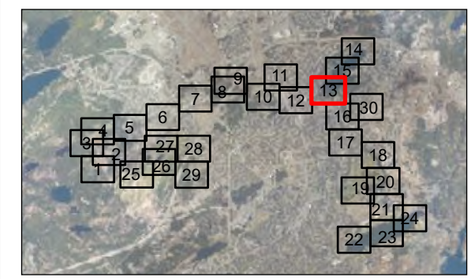
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

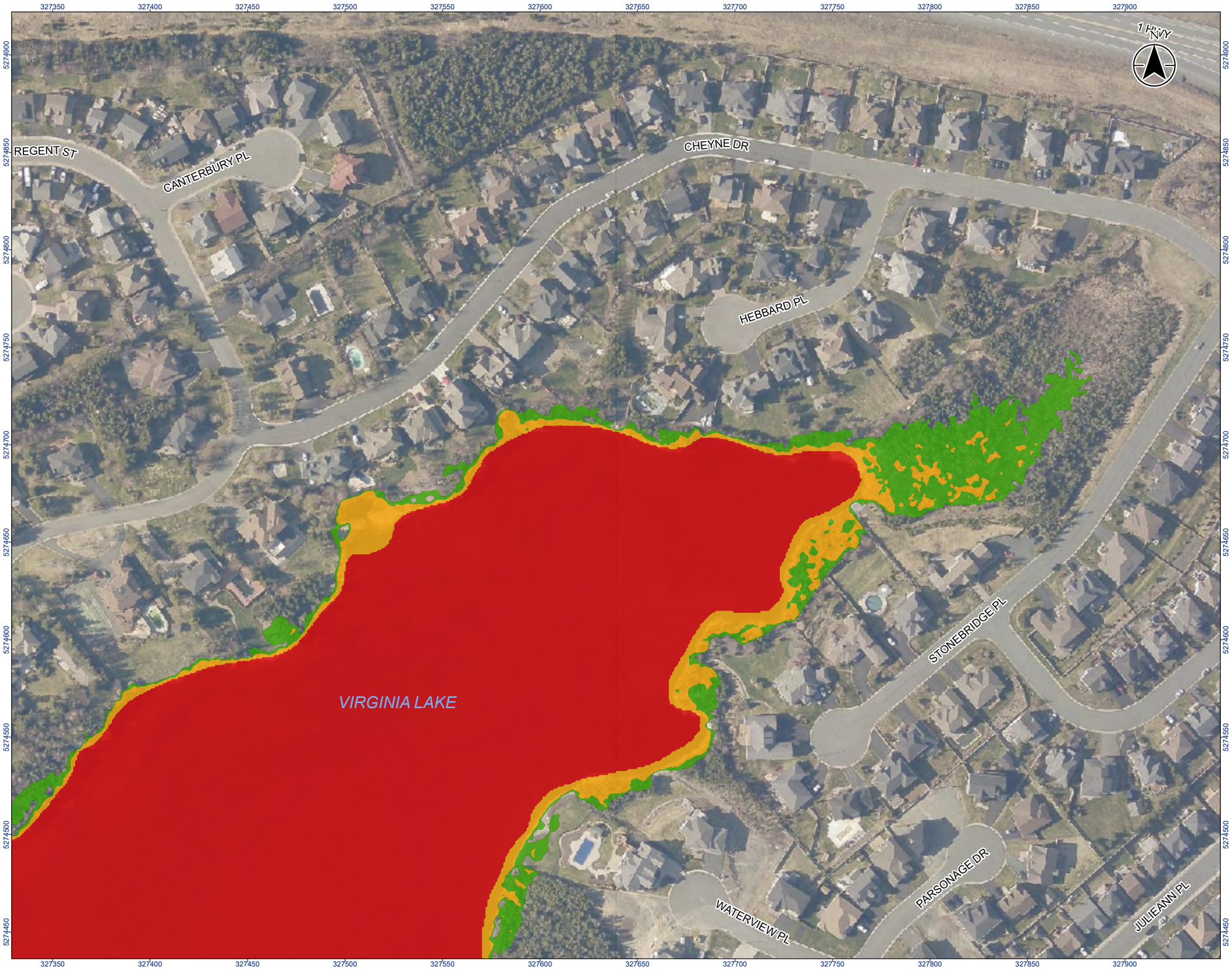
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-13

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 13 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

Legend

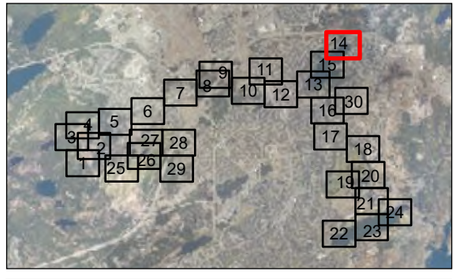
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

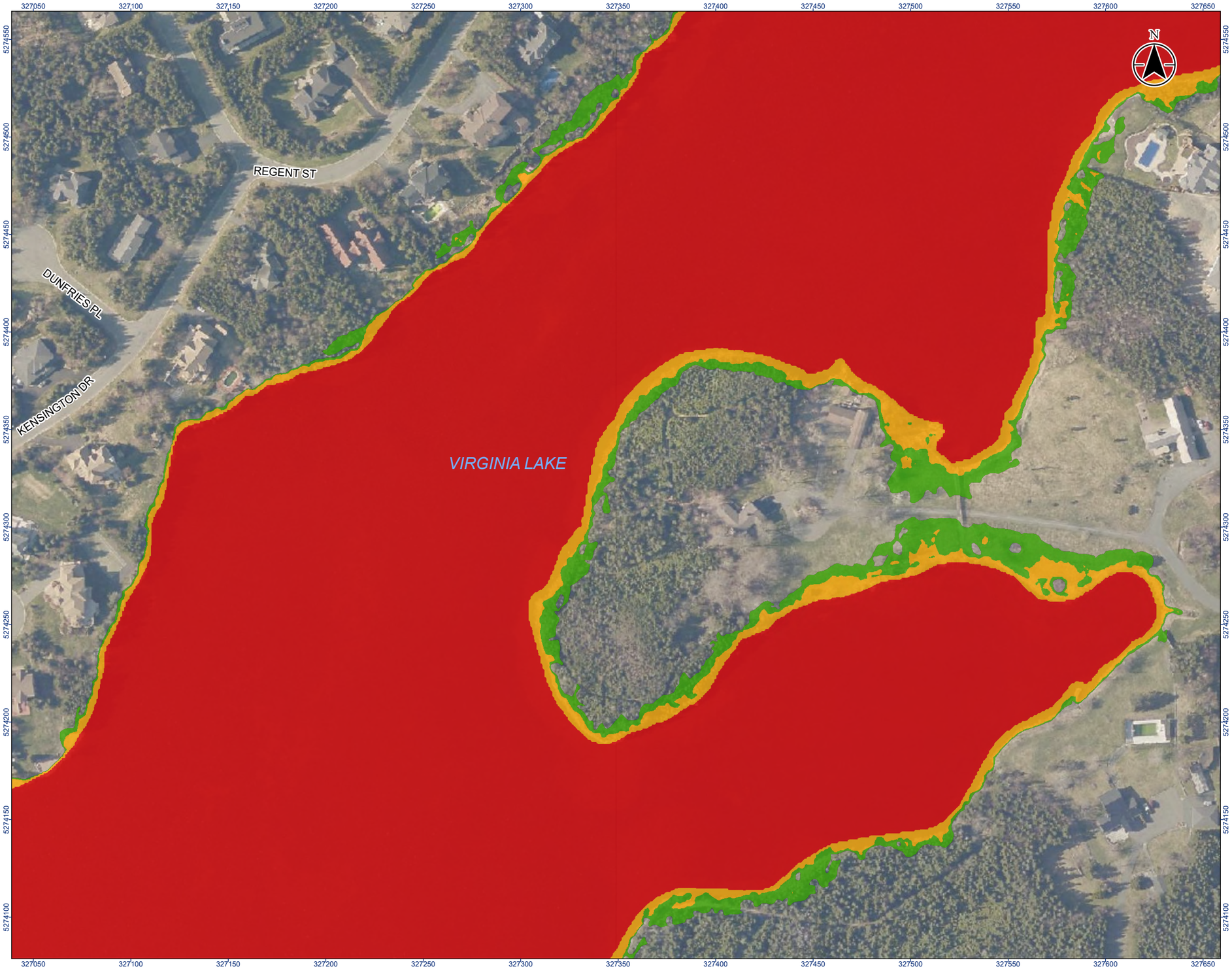
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-14

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 14 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

Legend

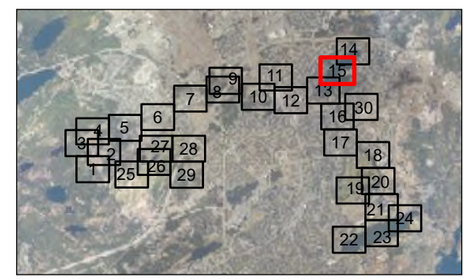
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
91-15

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 15 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang

Stantec

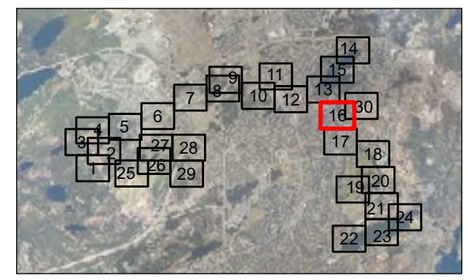
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

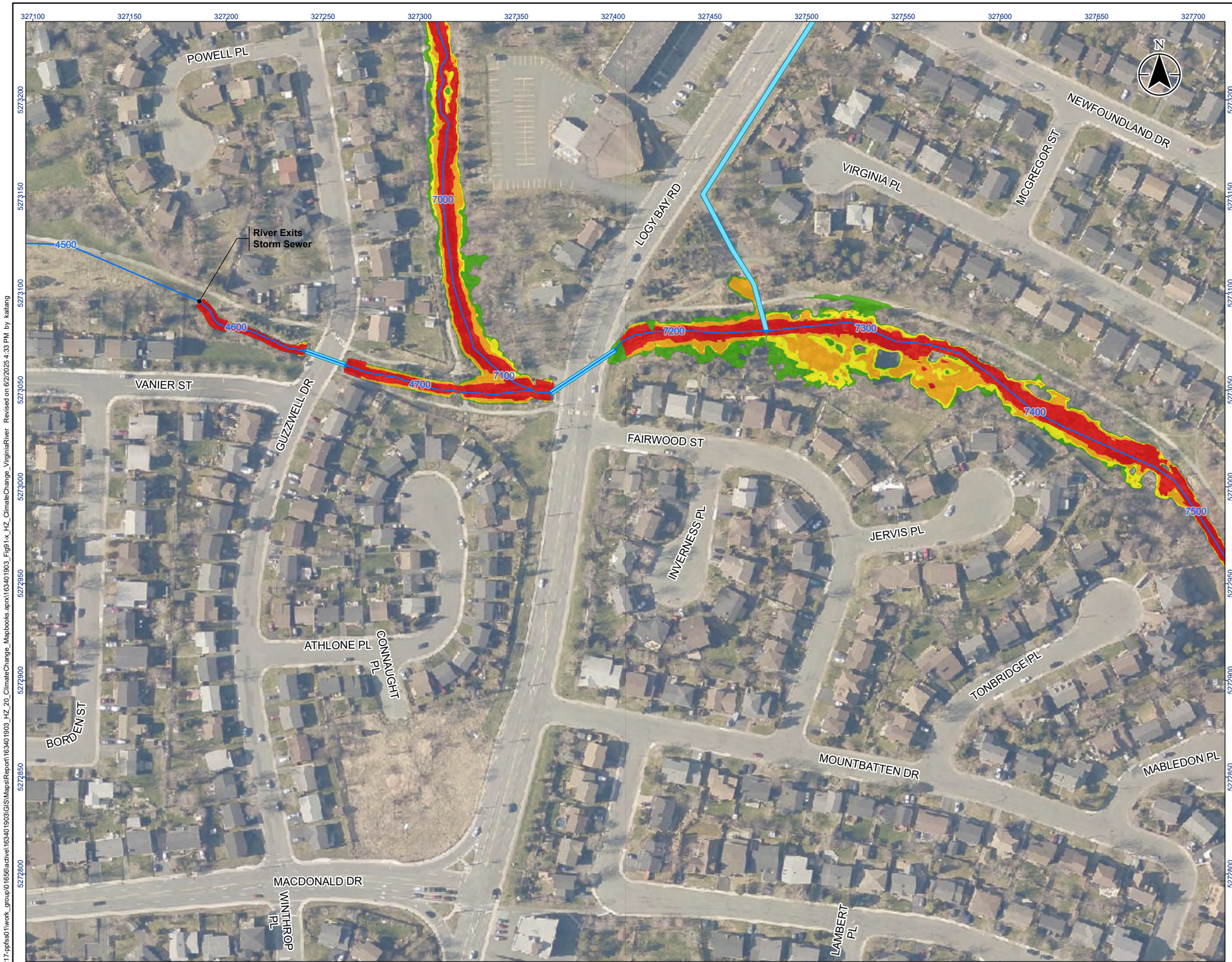
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-16

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 16 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

Legend

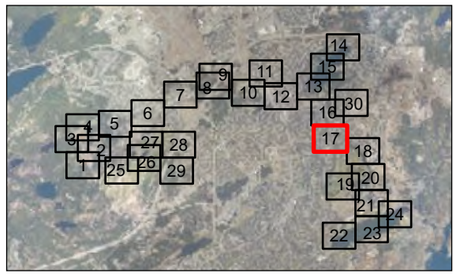
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

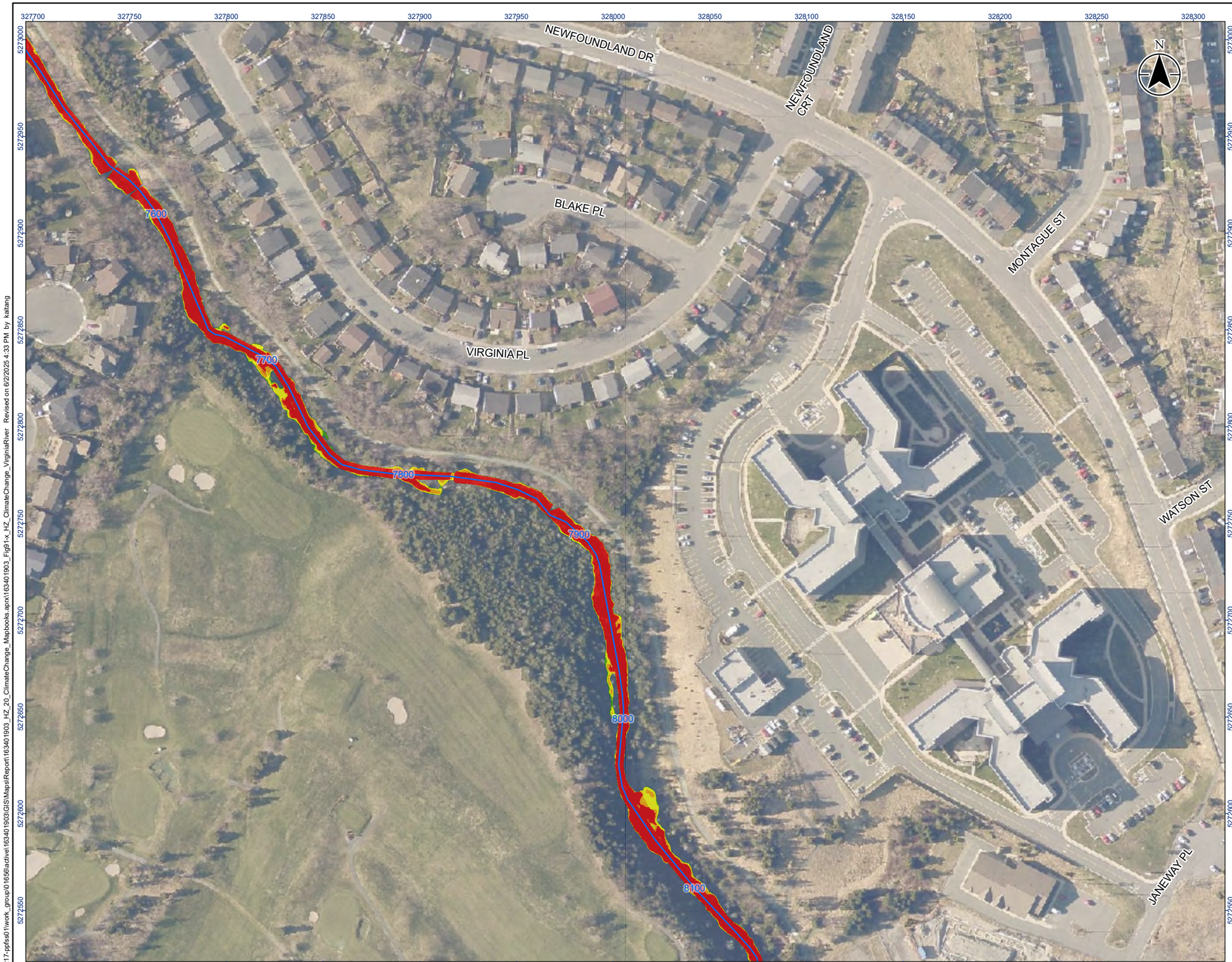
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-17

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 17 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

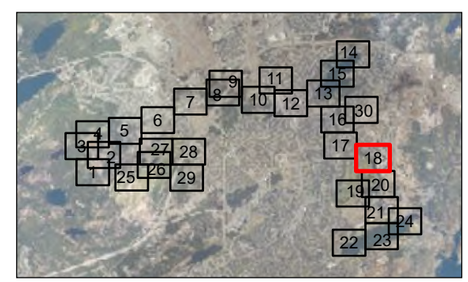
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
91-18

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 18 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang

Stantec

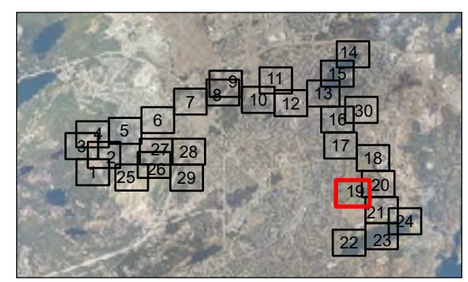
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

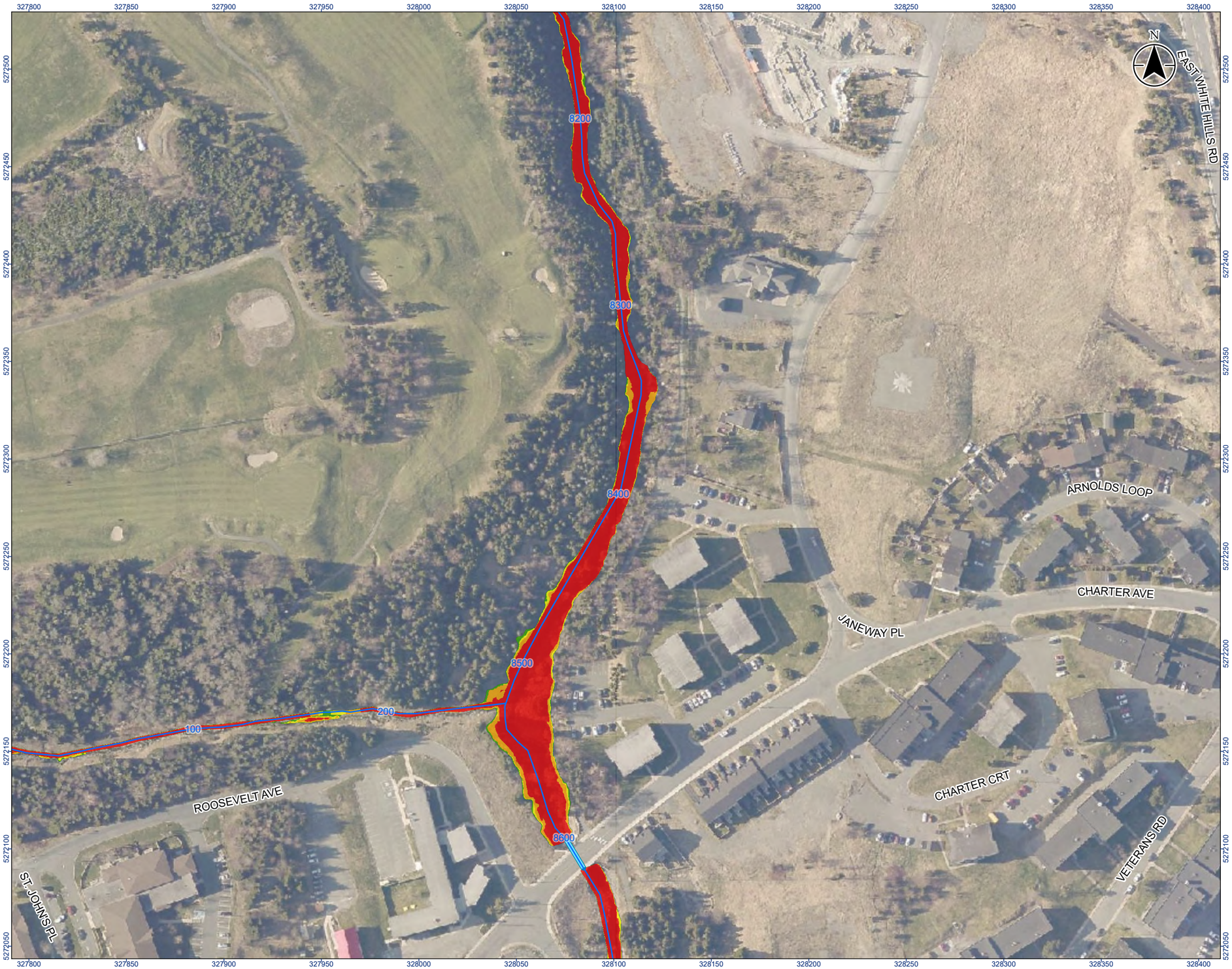
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-19

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 19 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

Legend

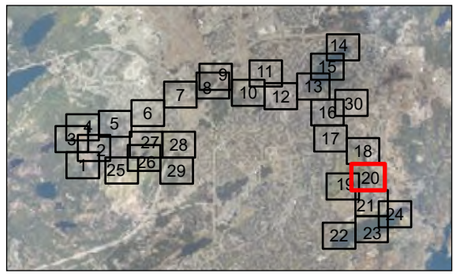
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

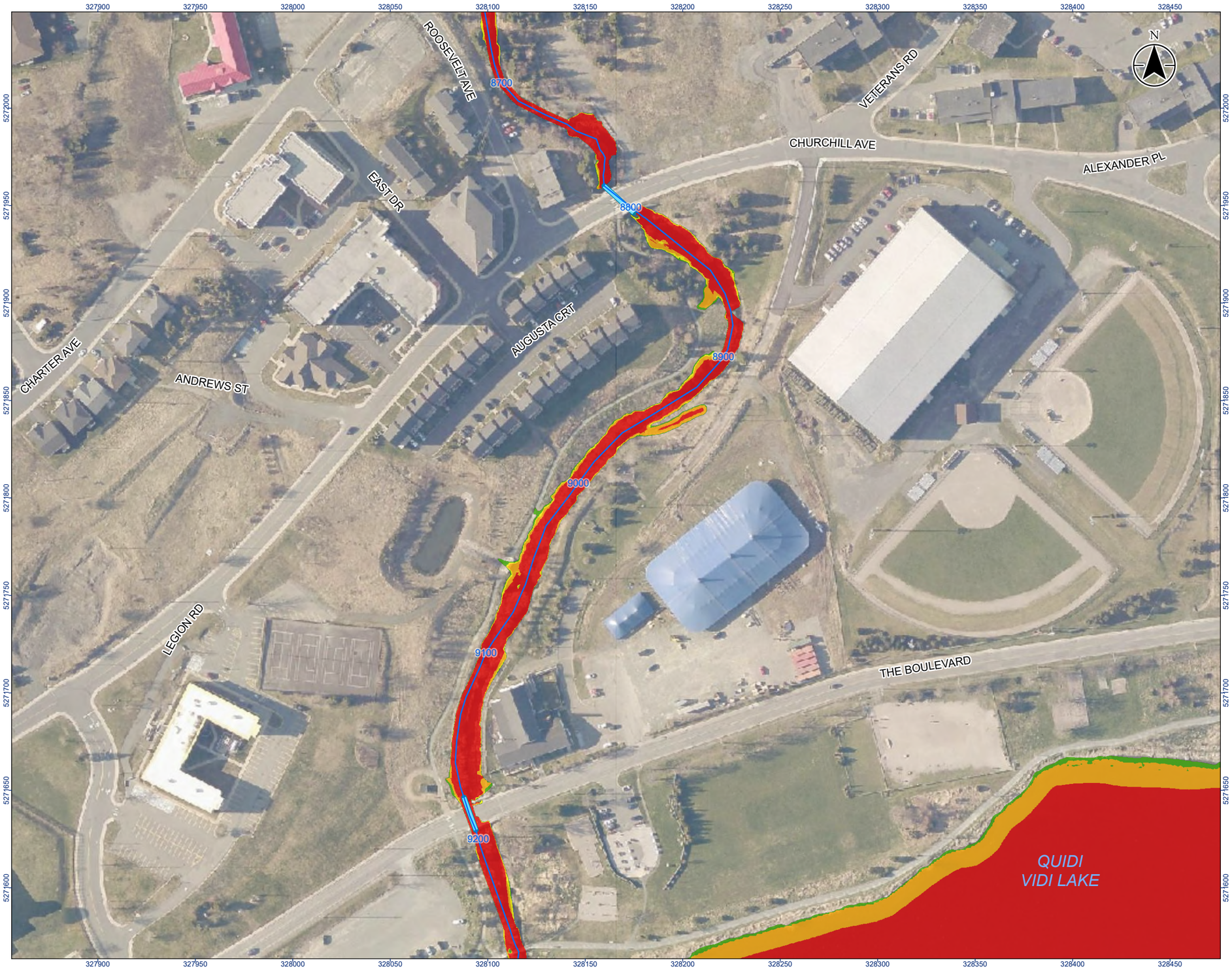
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-20

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 20 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

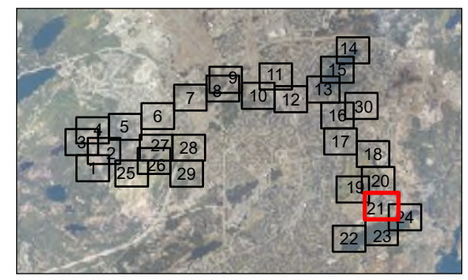
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

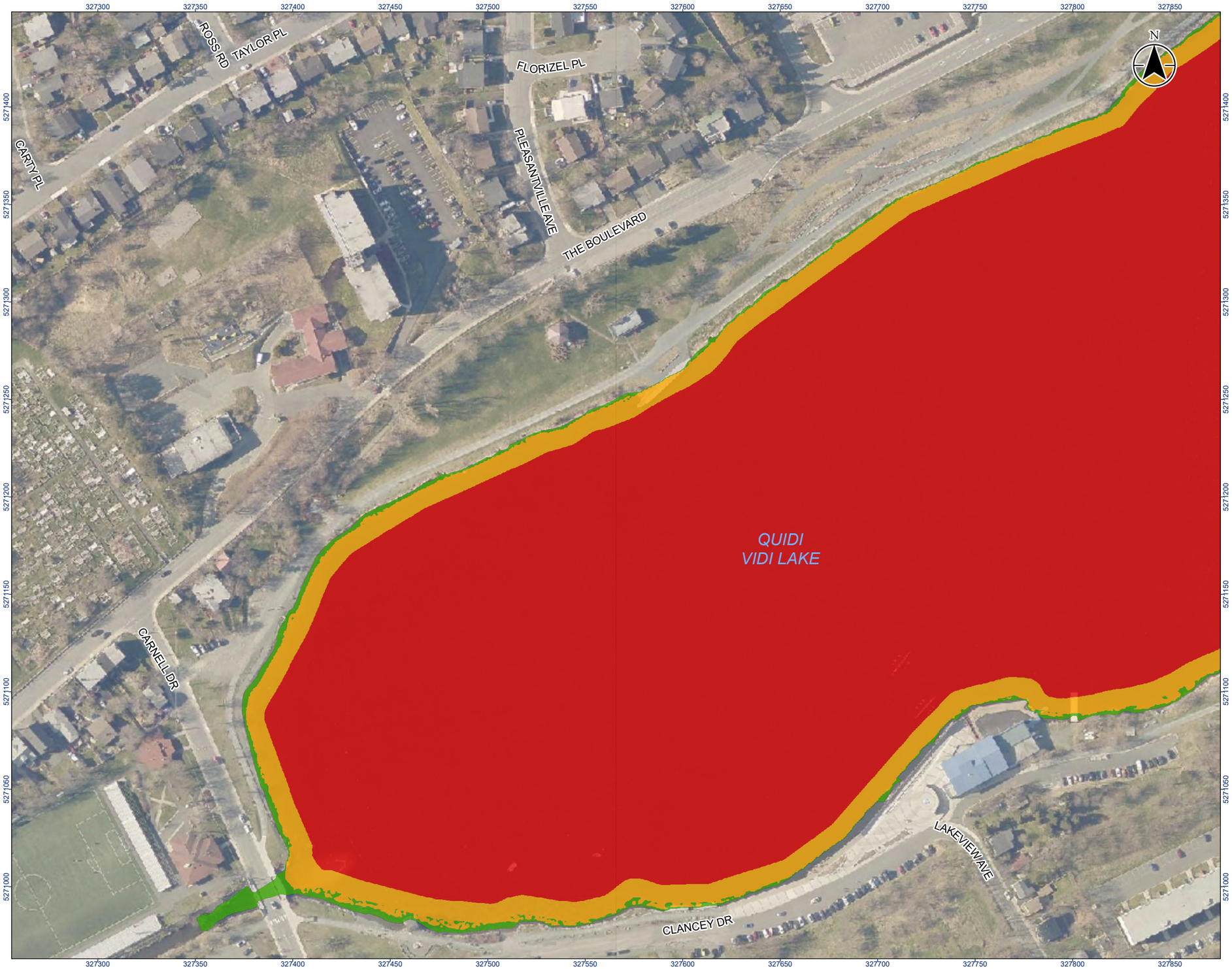
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-21

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 21 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

Legend

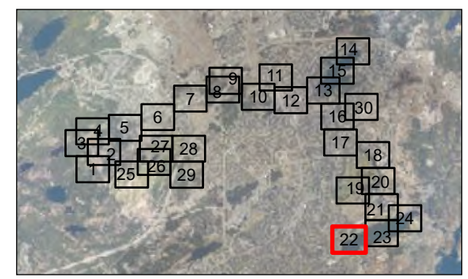
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

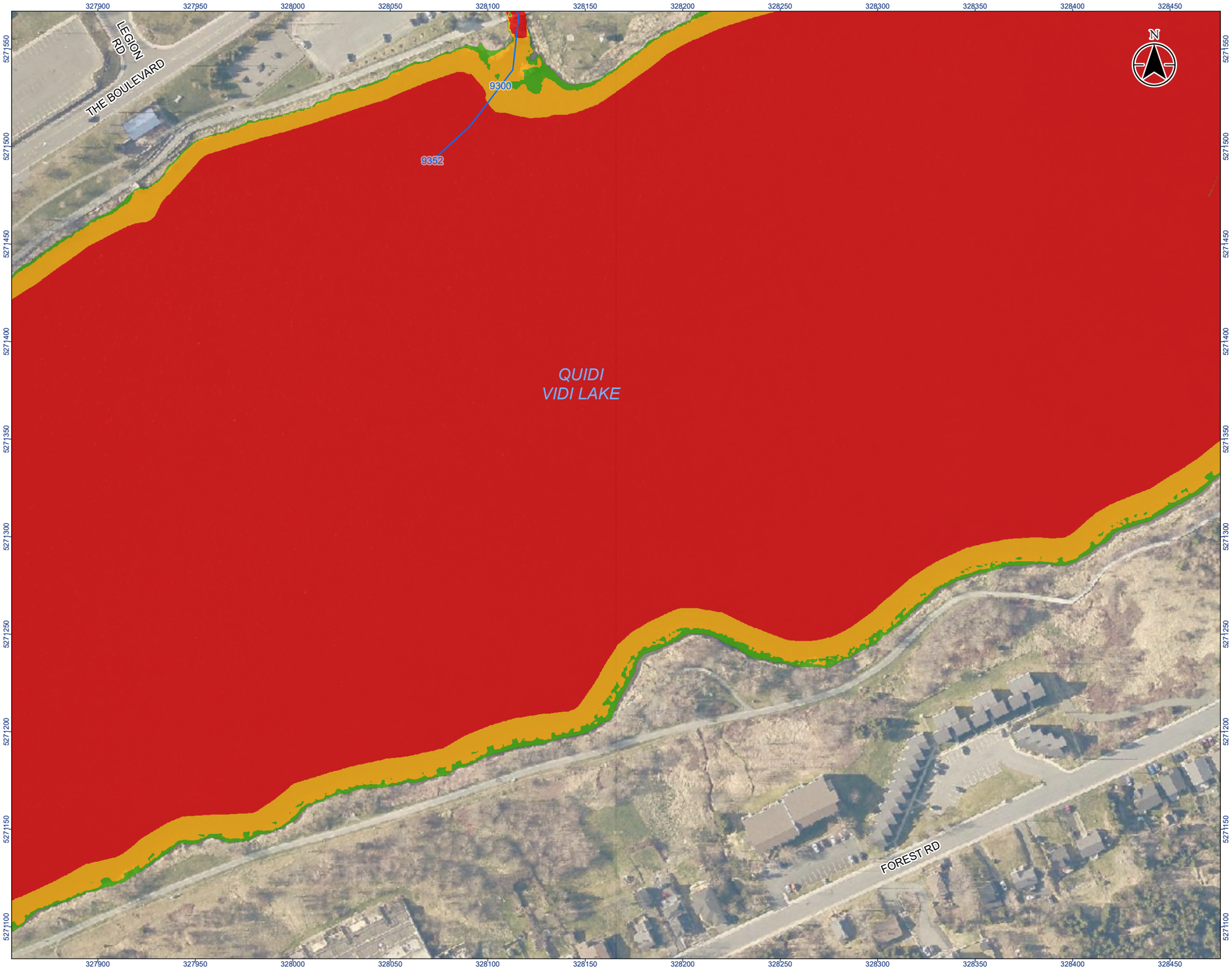
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-22

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 22 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

Legend

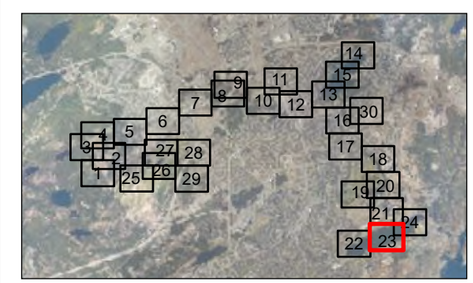
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

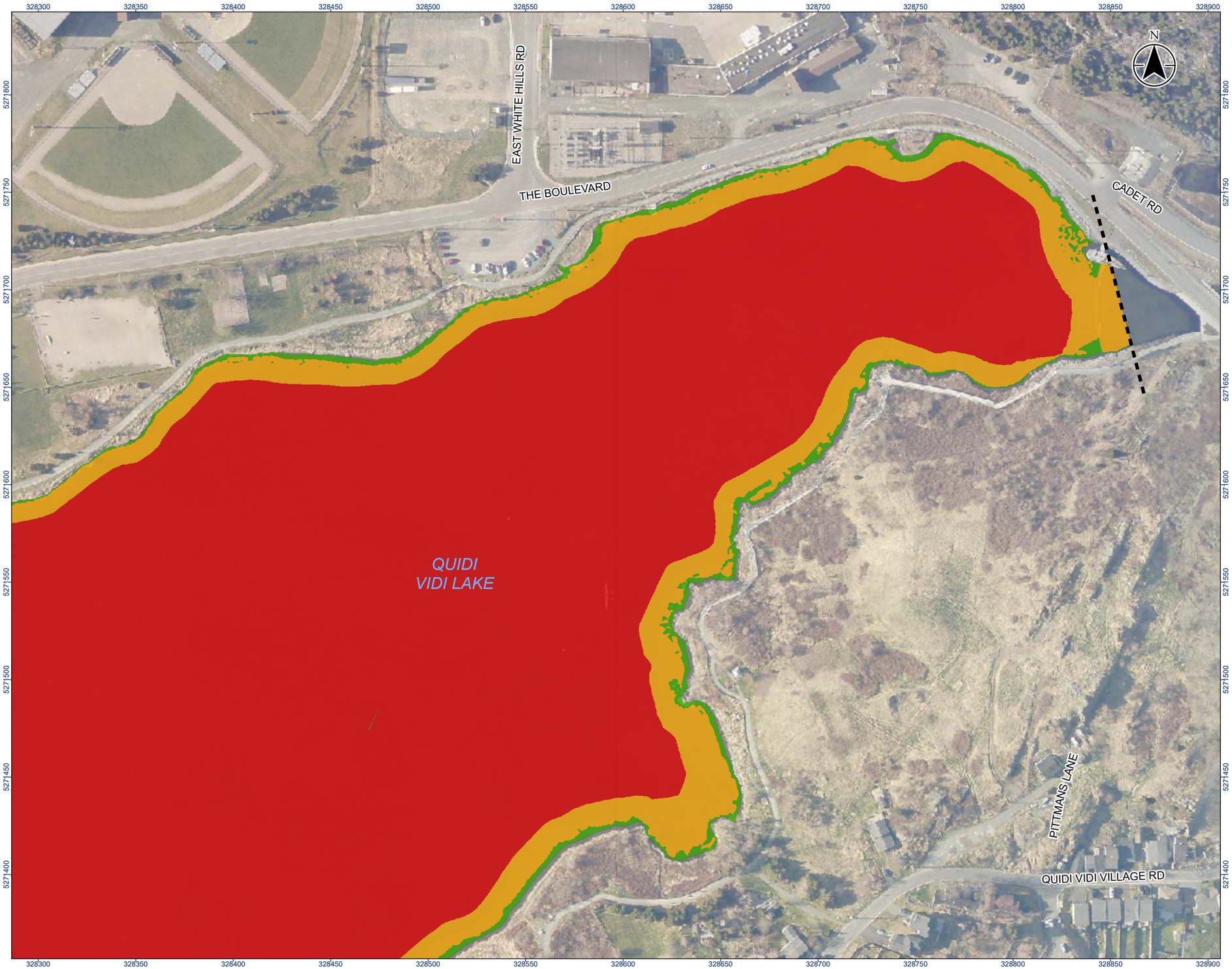
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-23

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 23 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

Legend

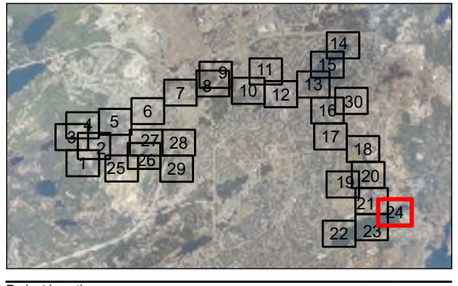
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

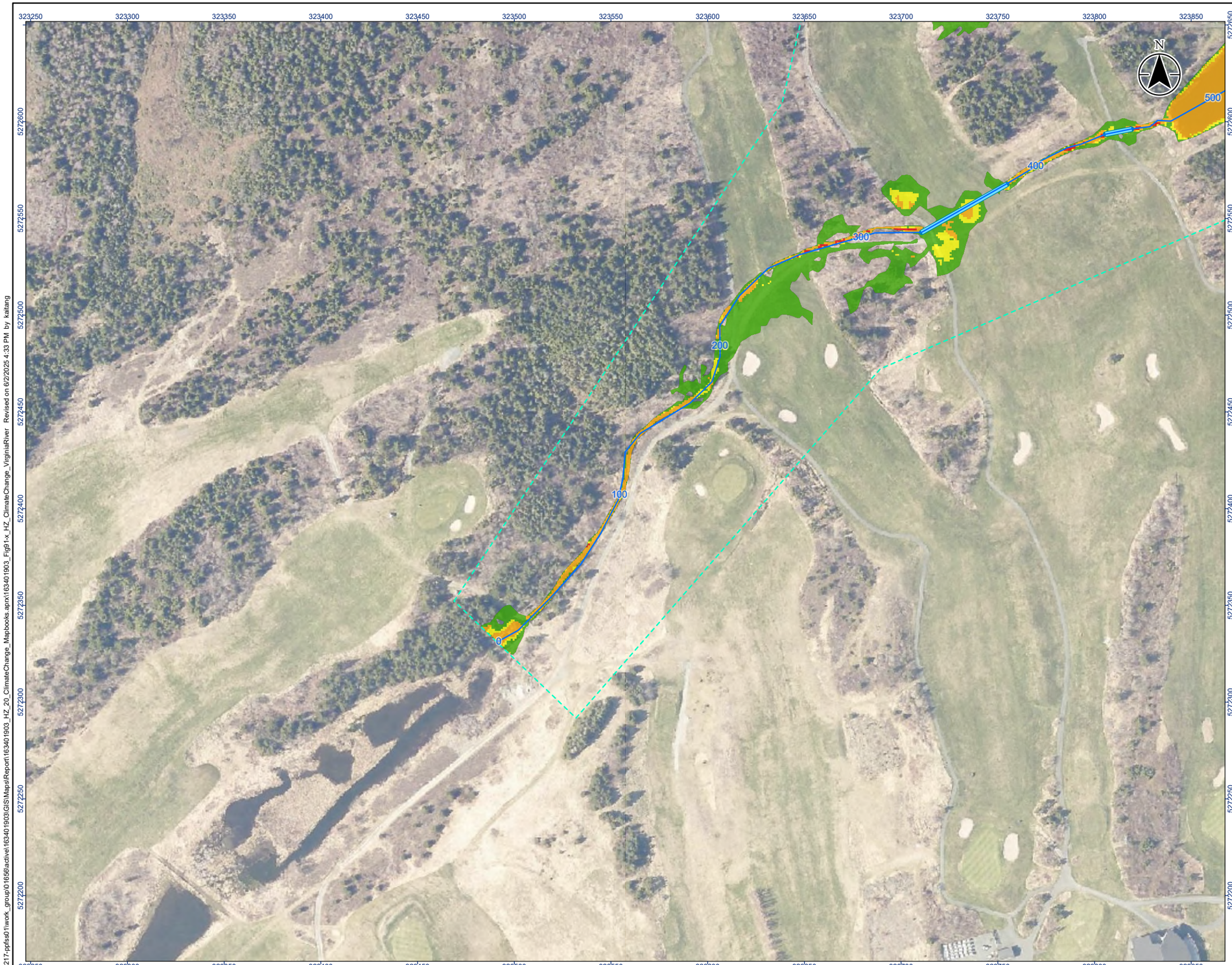
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-24

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 24 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

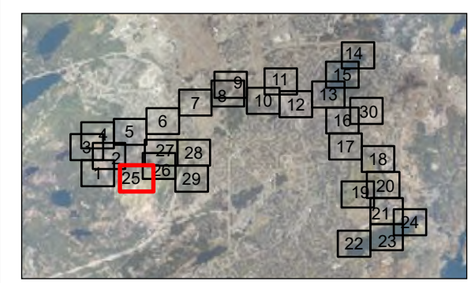
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

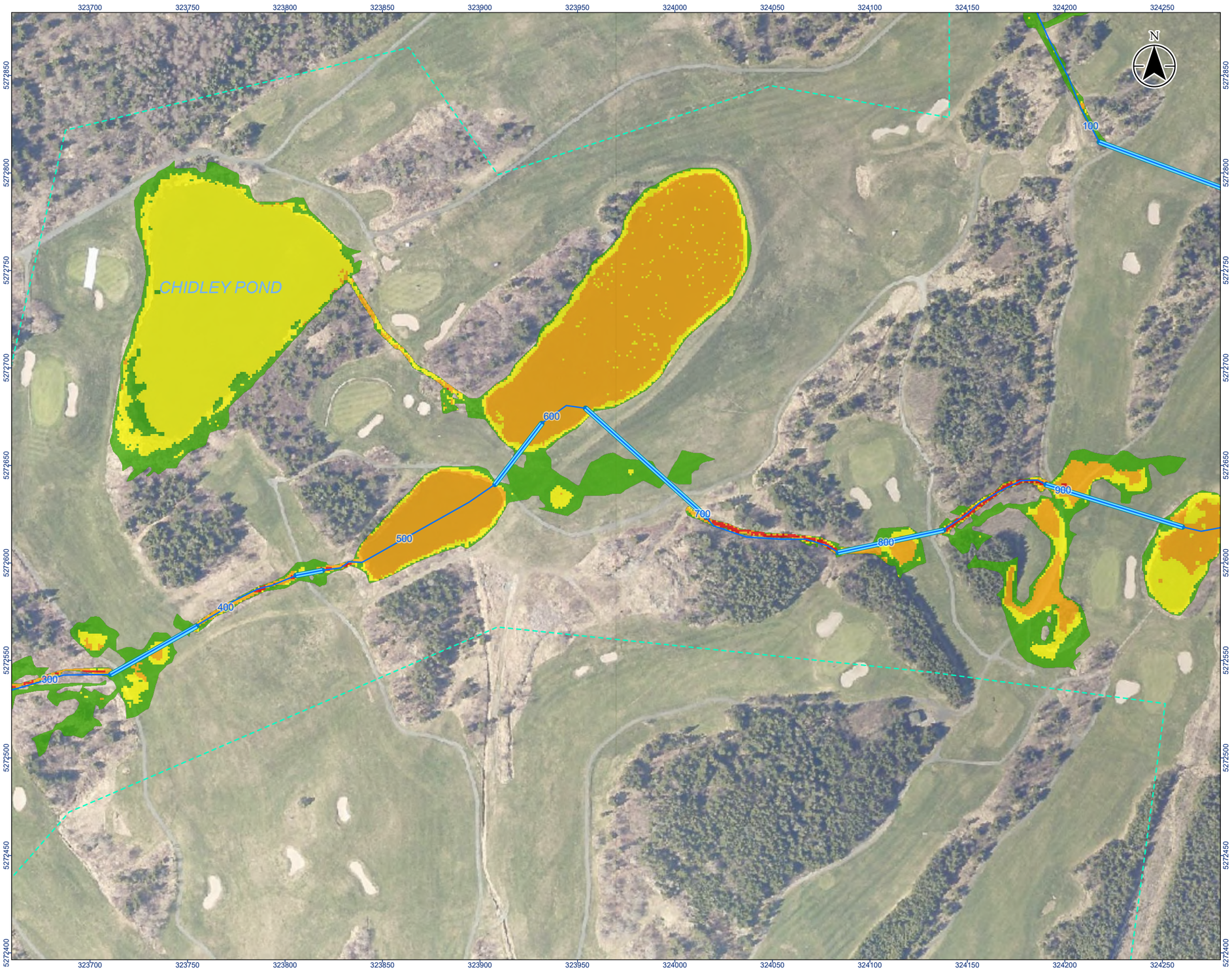
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-25

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 25 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

Legend

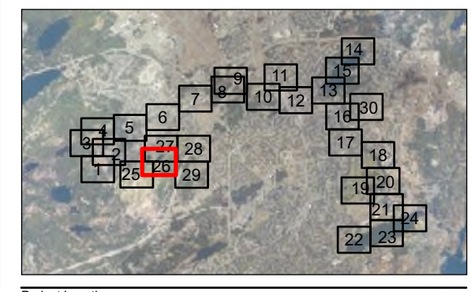
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

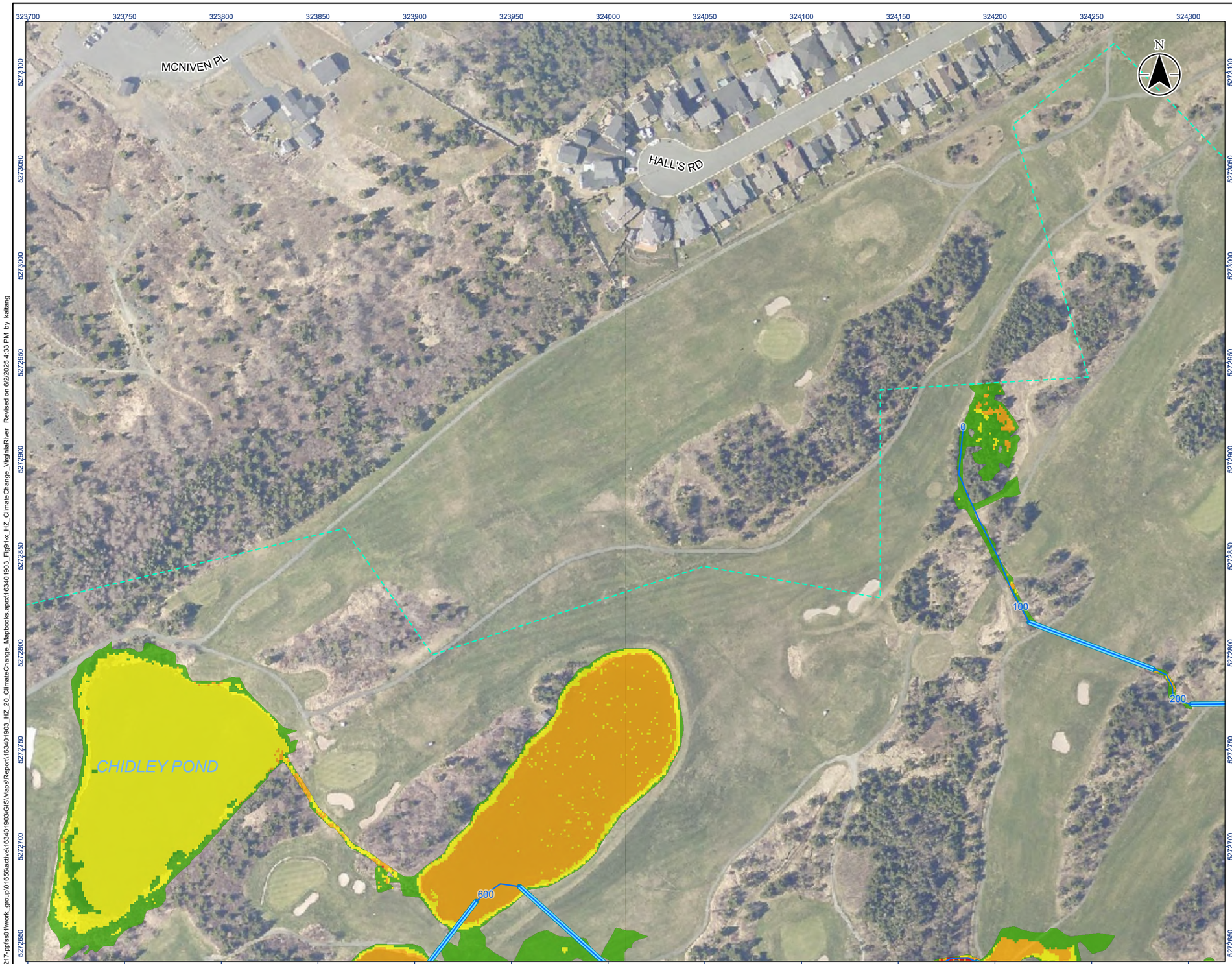
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-26

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 26 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

Legend

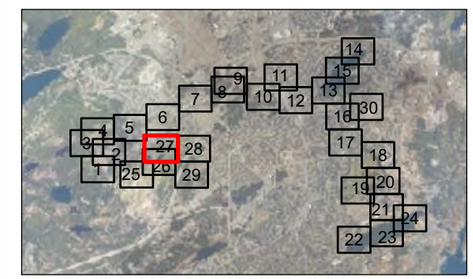
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

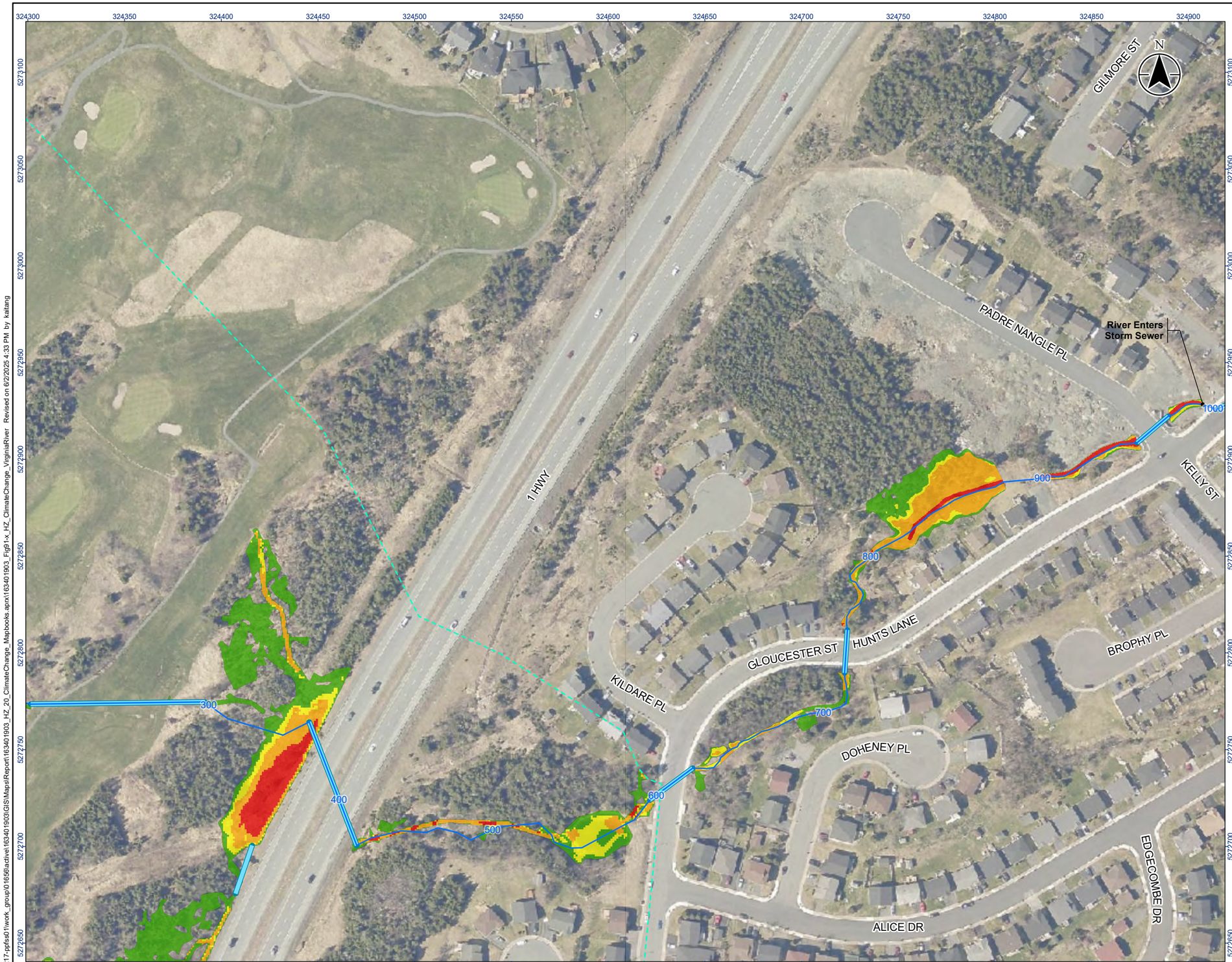
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-27

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 27 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks aprx\163401903_Fig91x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

Legend

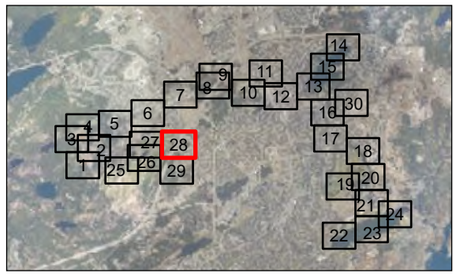
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

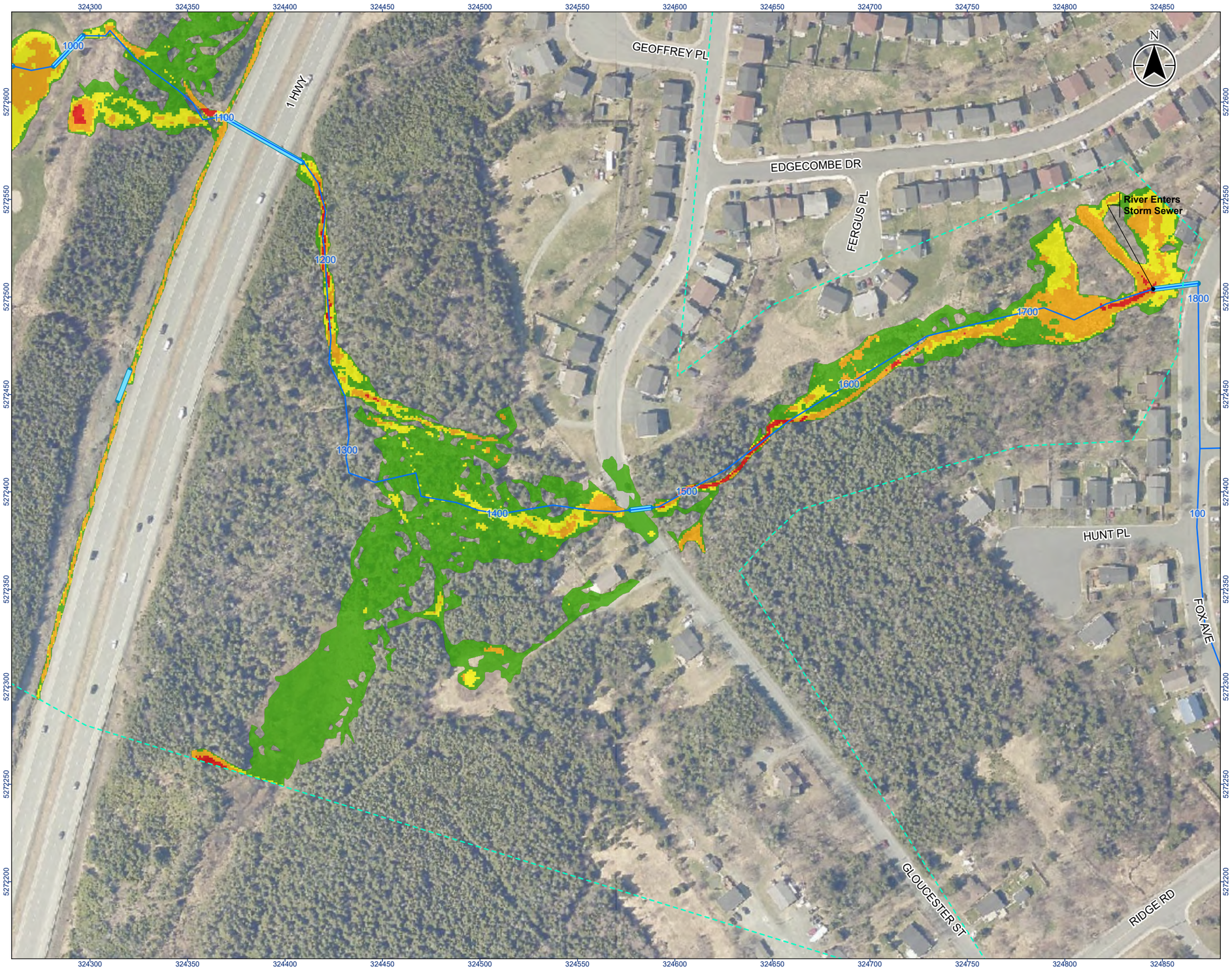
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-28

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 28 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

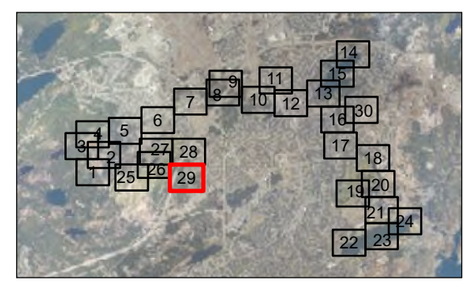
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
91-29

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 29 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang

Stantec

Legend

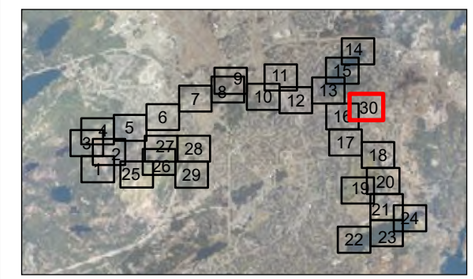
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 20 Year Flood Risk - Low
- 20 Year Flood Risk - Moderate
- 20 Year Flood Risk - Significant
- 20 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

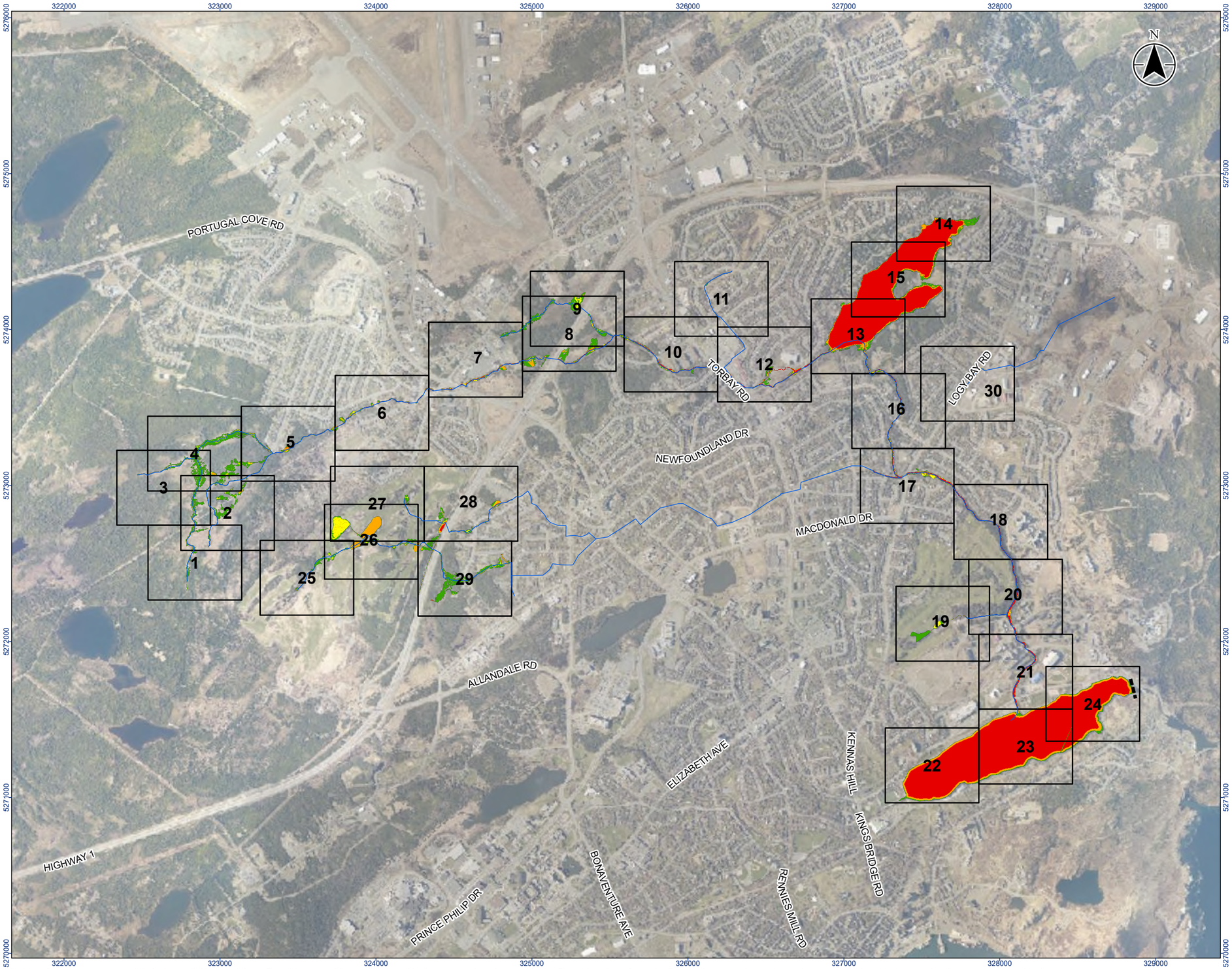
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
91-30

Title
Climate Change Condition
20-Year Hazard - Virginia River
Sheet 30 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_20_ClimateChange_Mapbooks.aprx\163401903_Fig91x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:33 PM by kaitang



Stantec

Legend

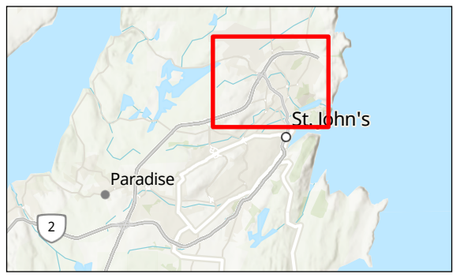
- River/Creek Centreline
- Limit of Mapping
- Map Extents
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 490 980 m

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

Notes

1. Coordinate System: NAD 1983 MTM 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

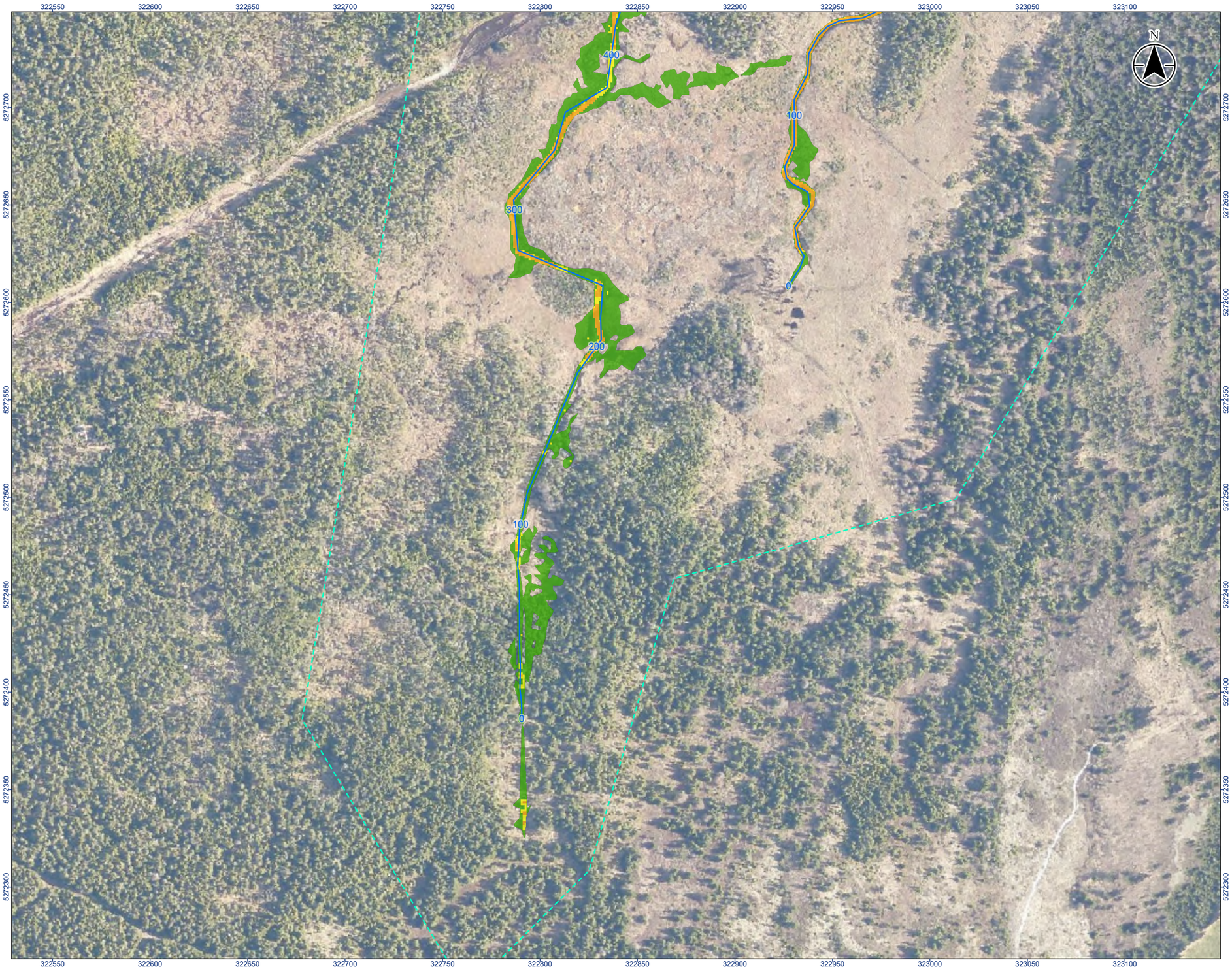
163401903 REVA
Prepared by kebuchanan on 2024-12-20

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

Figure No.
84-0

Title
Current Climate Condition 100-Year Hazard - Virginia River Overview Map

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_Overview_Mapbooks.aprx\163401903_FigX-0_HZ_100-yr_Current_Overview Revised on 12/20/2024 9:42 AM by kebuchanan



Stantec

Legend

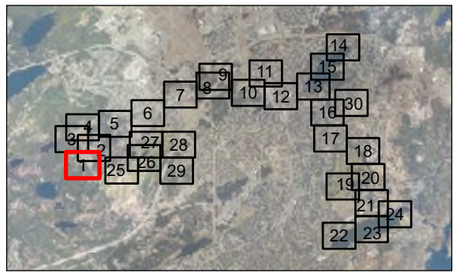
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

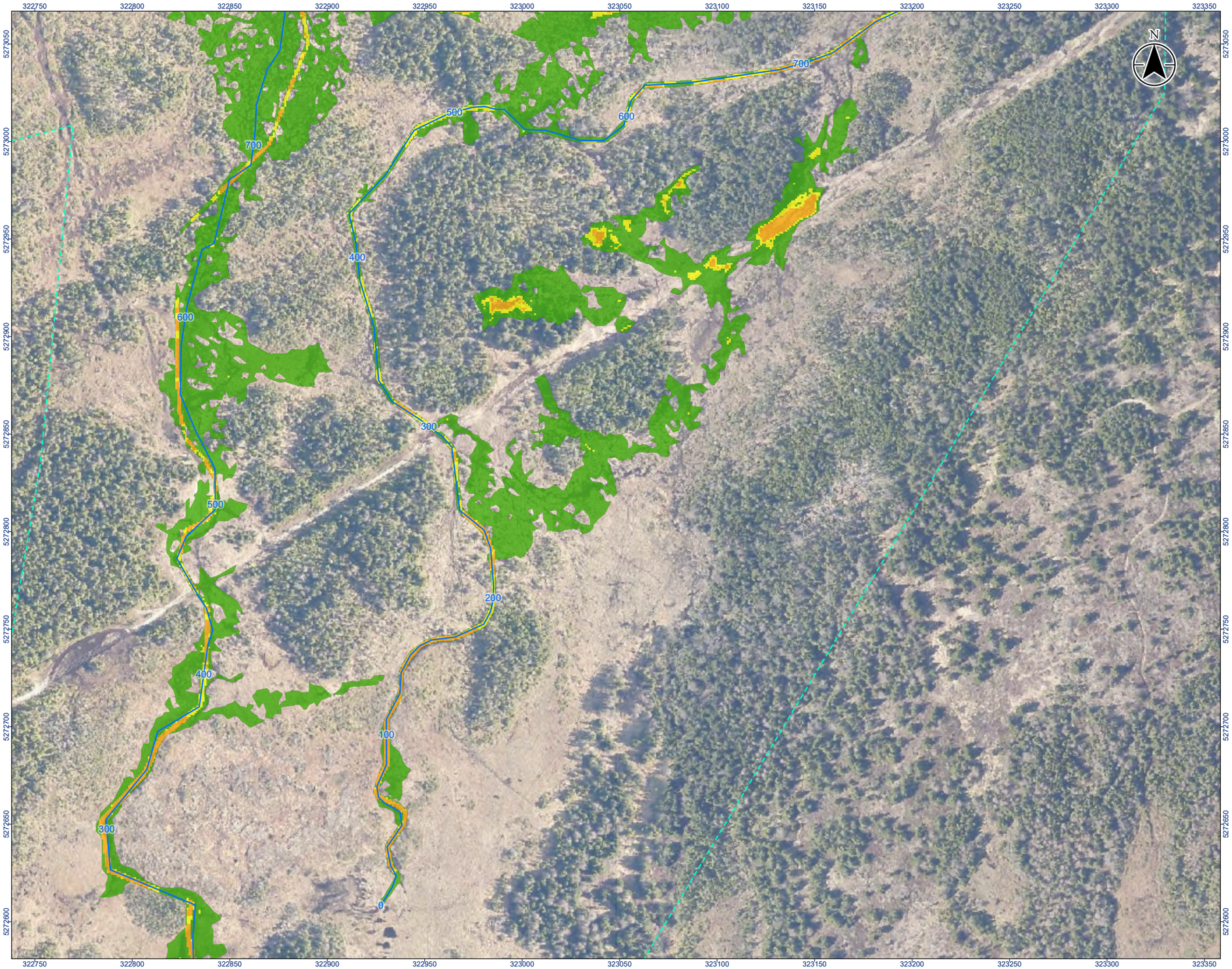
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-1

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 1 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

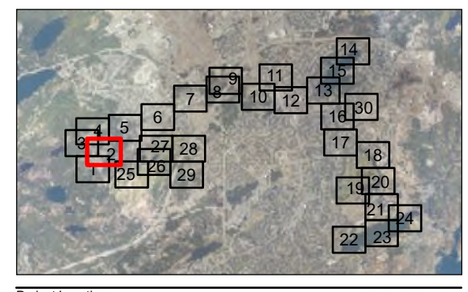
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

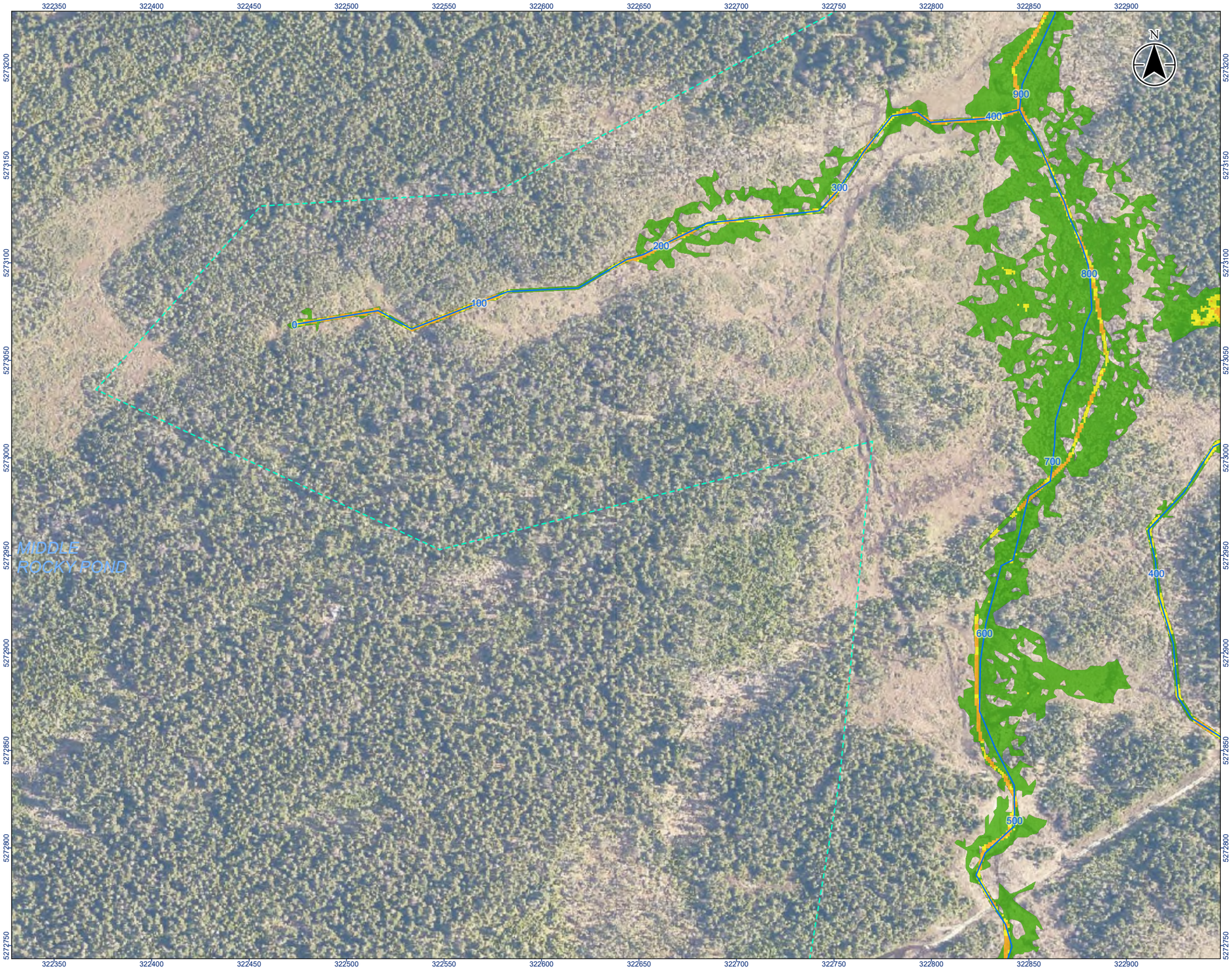
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-2

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 2 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

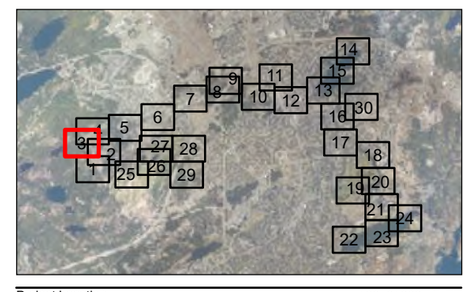
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

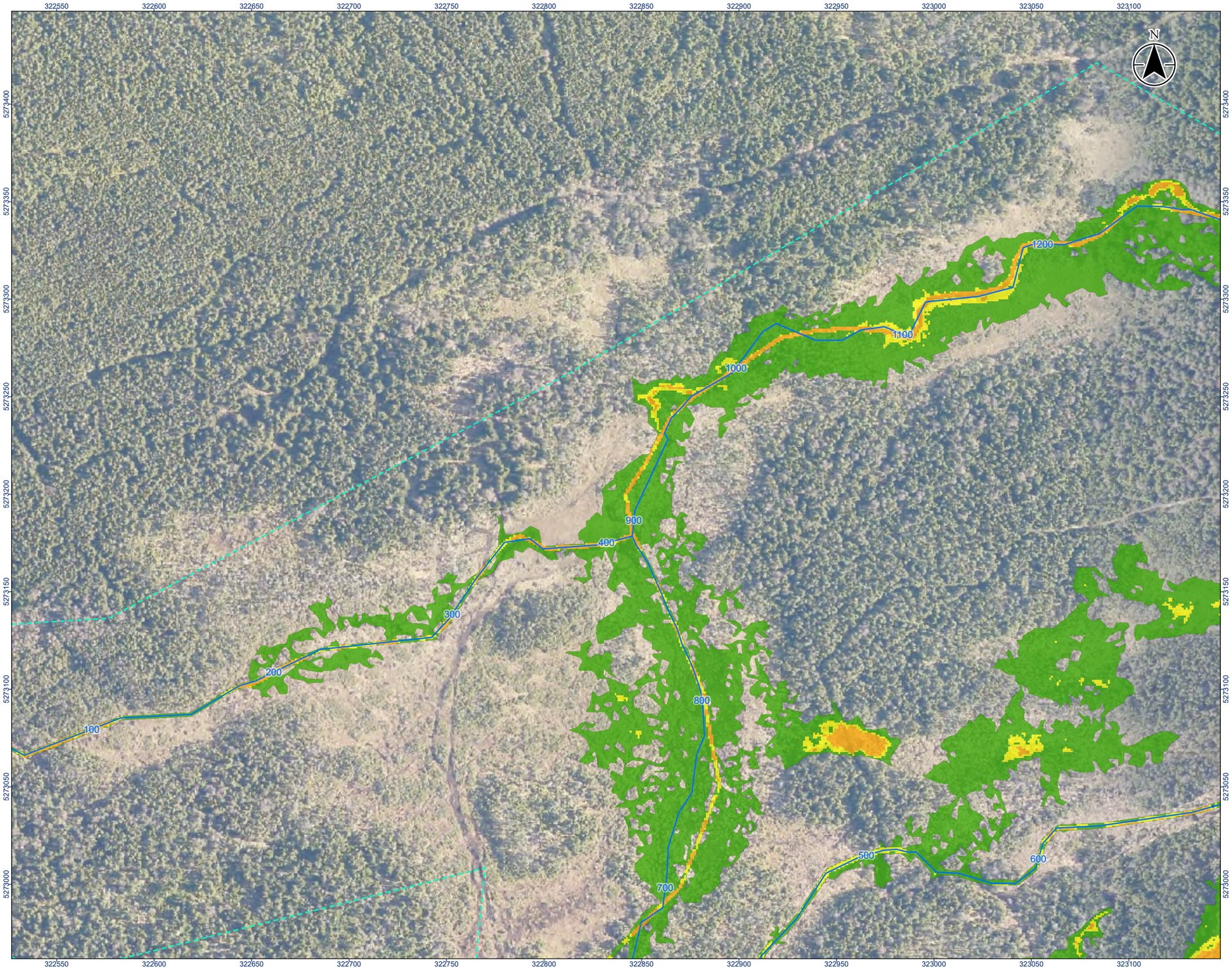
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-3

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 3 of 30

\\ca0217-ppfss01\work_group\01658\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

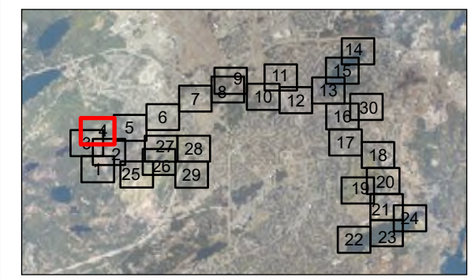
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



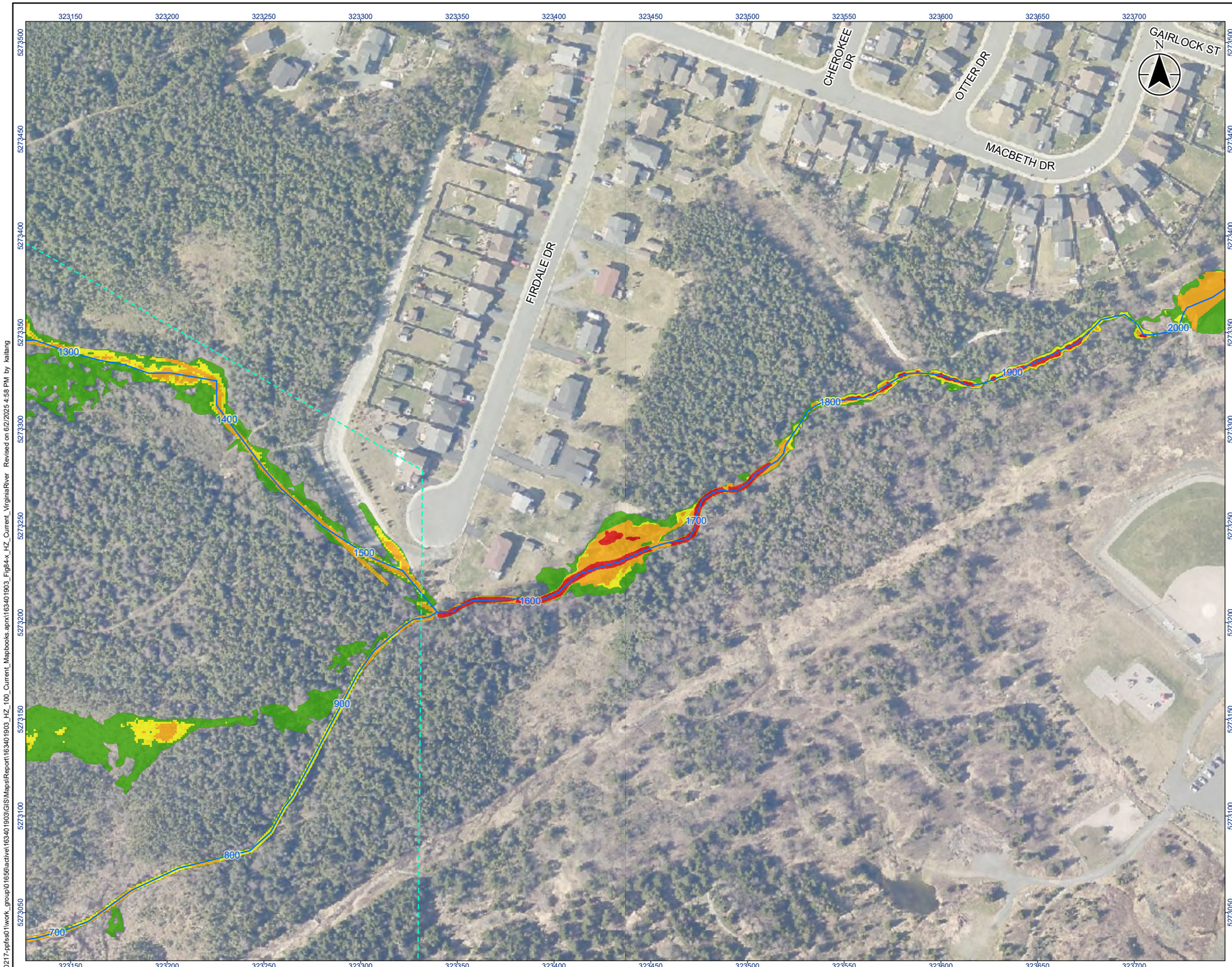
Project Location
City of St. John's

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.
84-4

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 4 of 30



Stantec

Legend

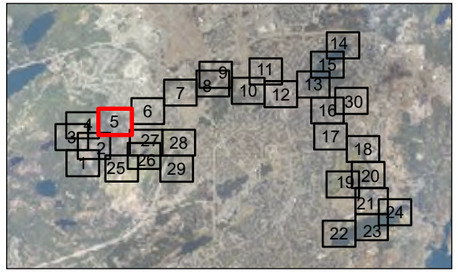
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

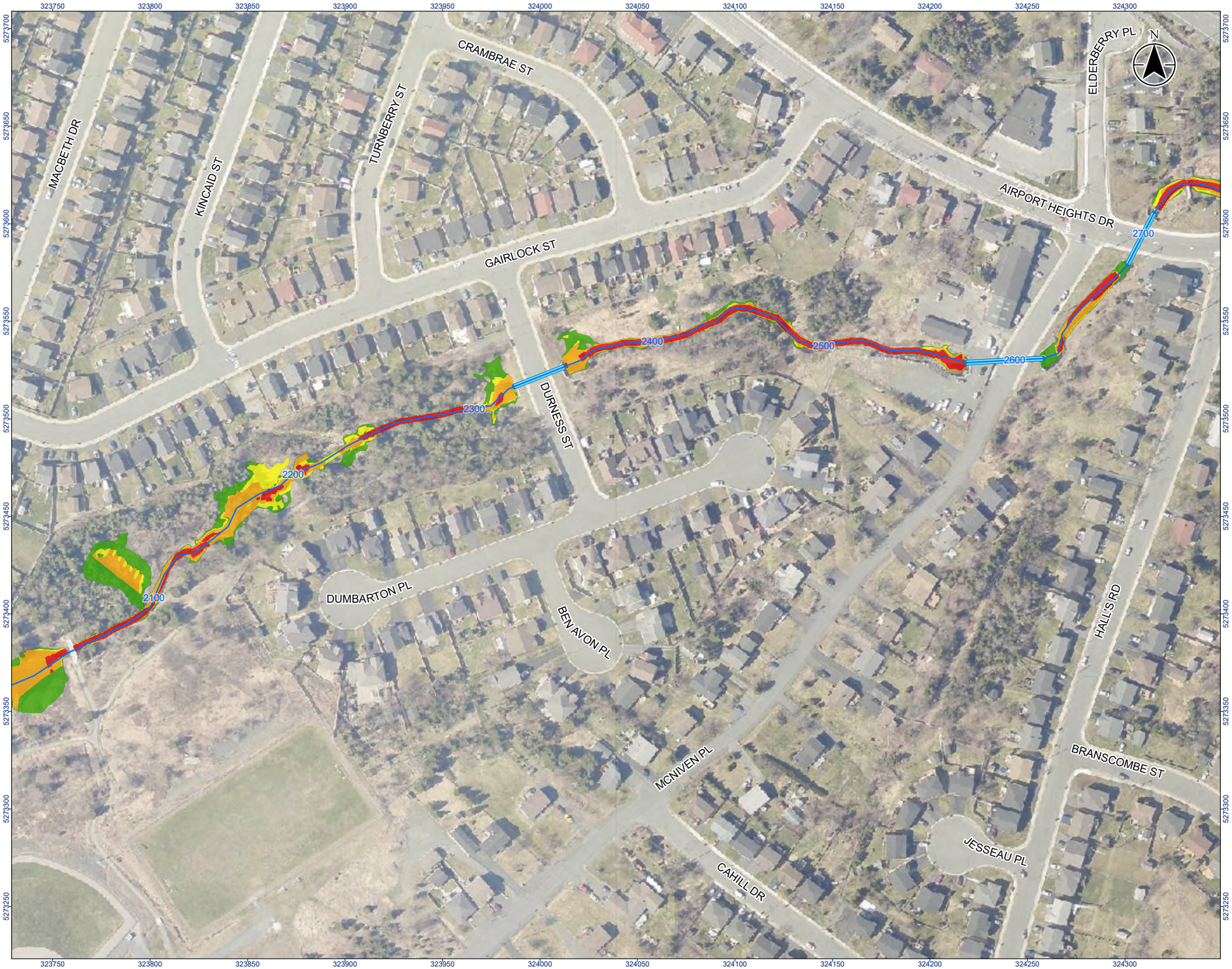
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-5

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 5 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

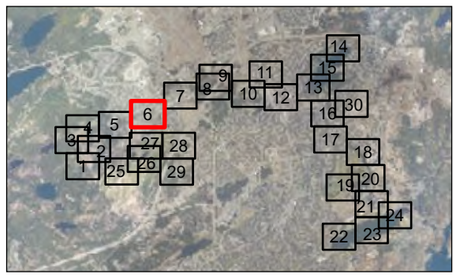
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
84-6

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 6 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang

Stantec

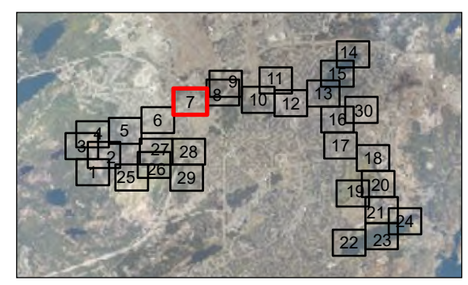
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

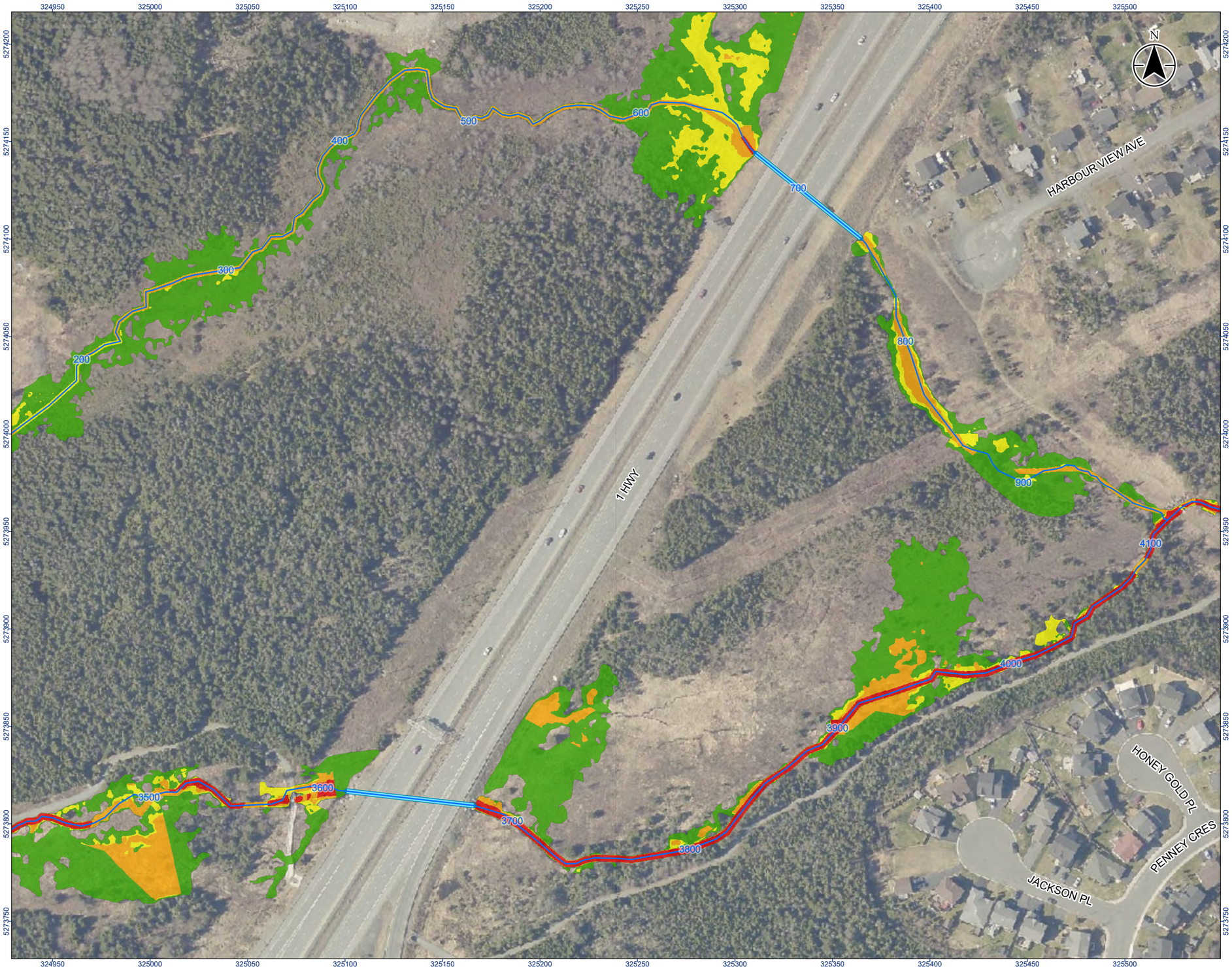
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-7

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 7 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

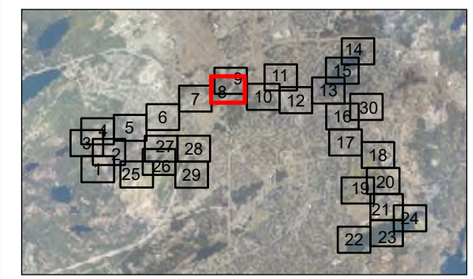
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

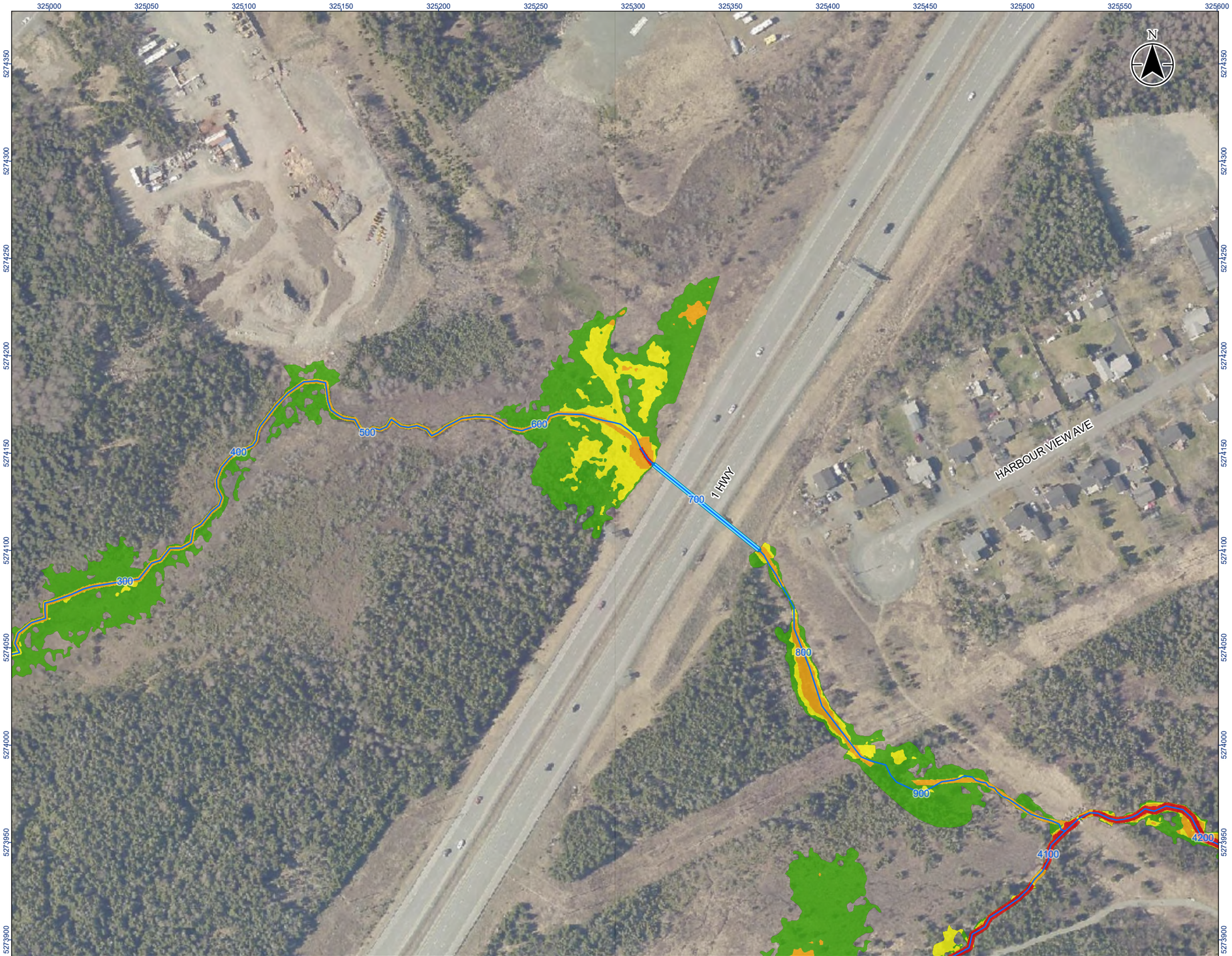
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-8

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 8 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

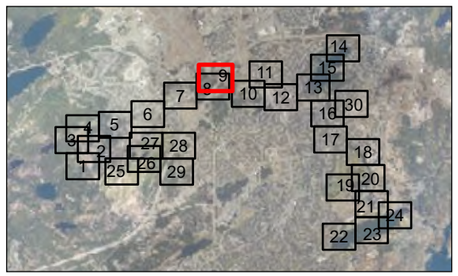
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

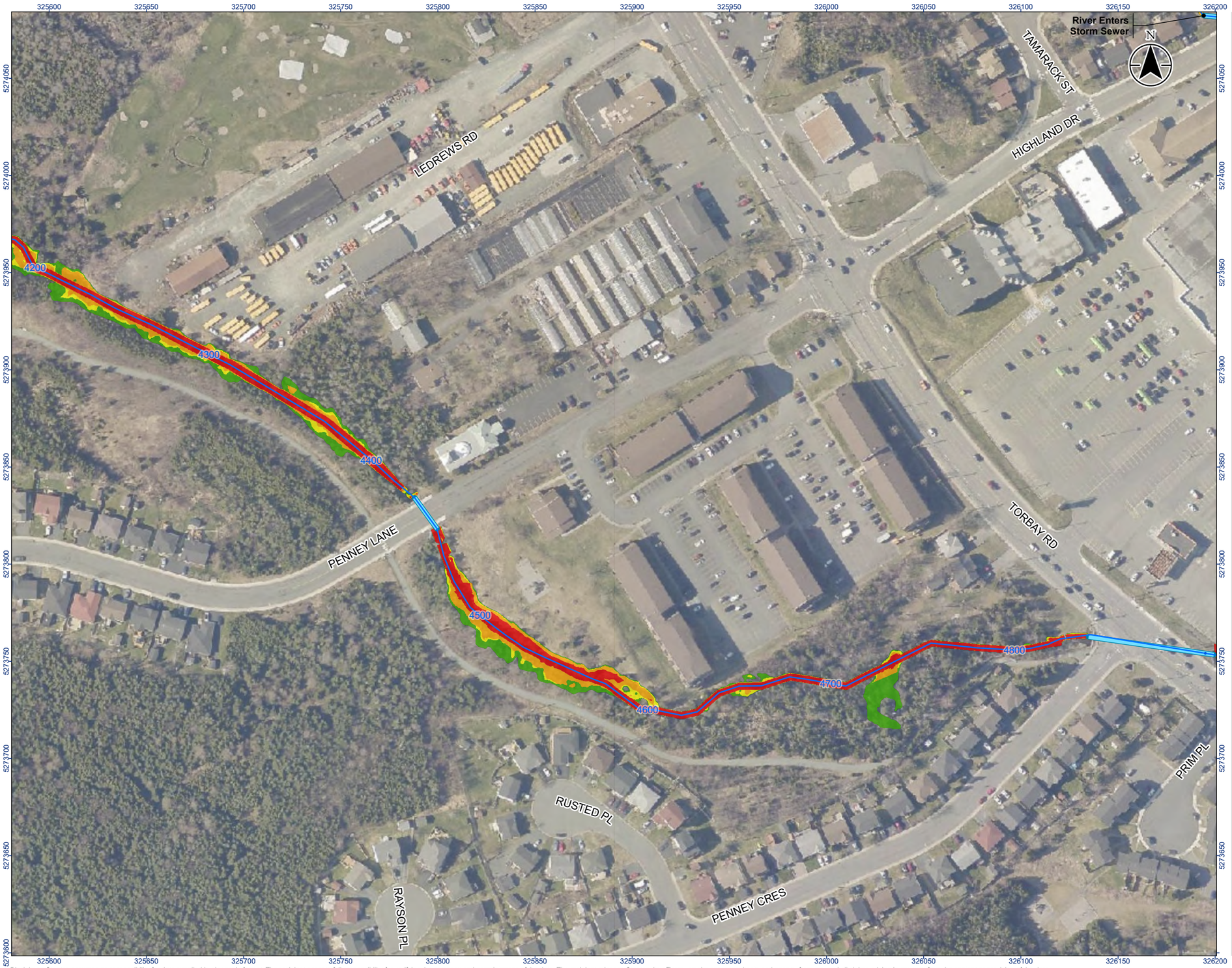
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-9

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 9 of 30

\\ca0217-pfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

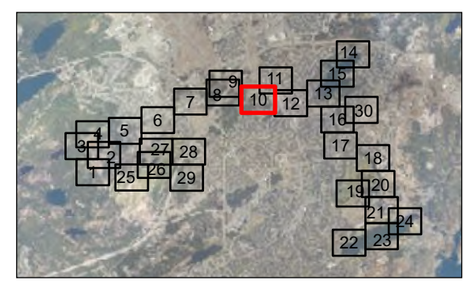
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
84-10

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 10 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang

Stantec

Legend

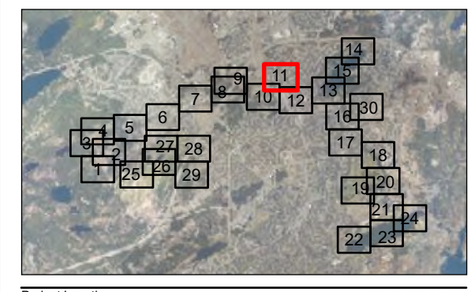
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

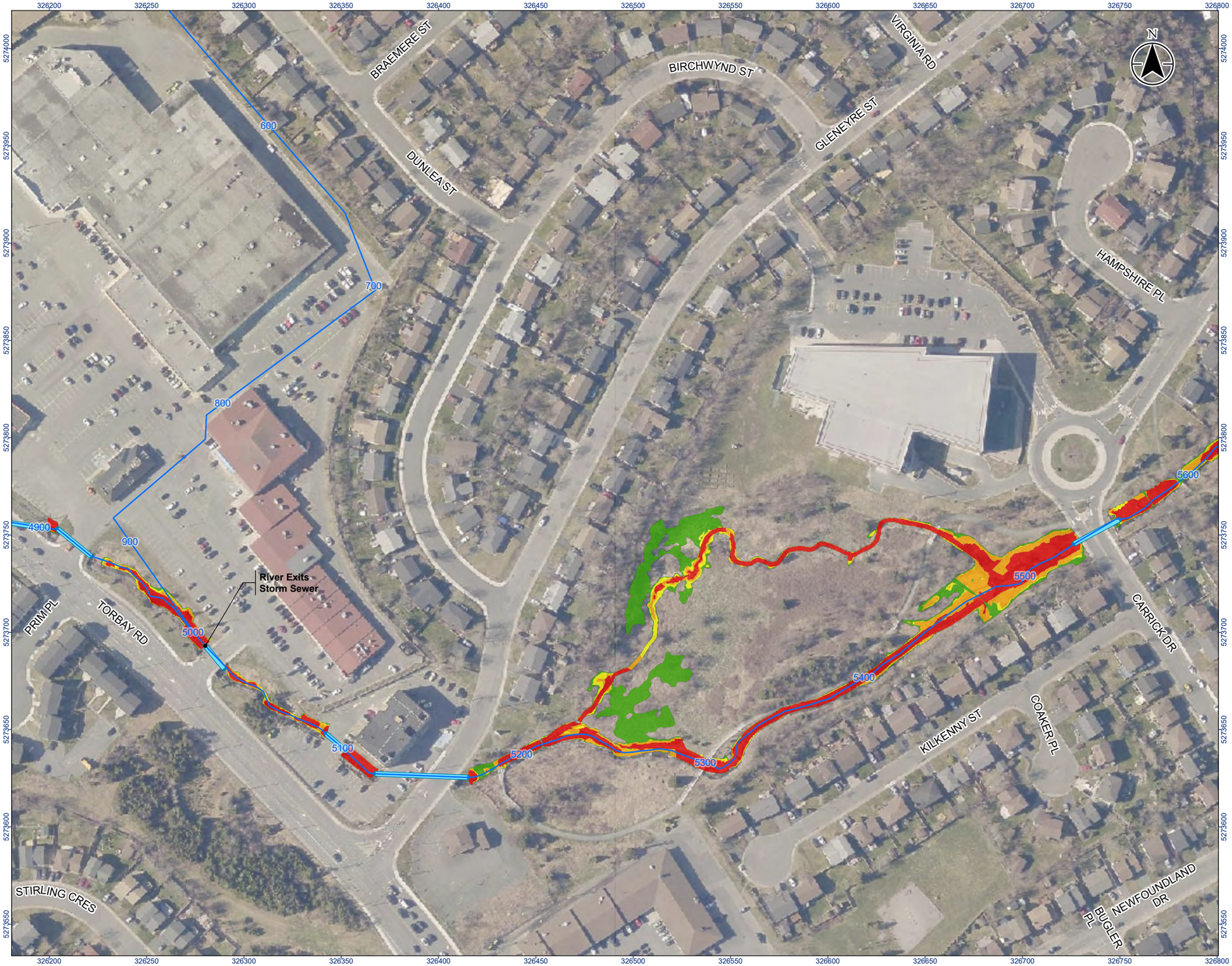
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-11

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 11 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

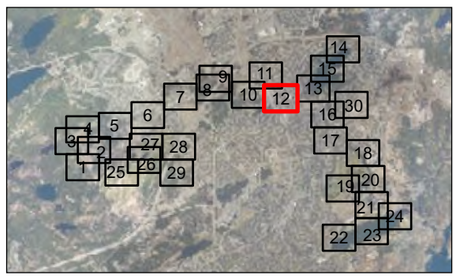
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

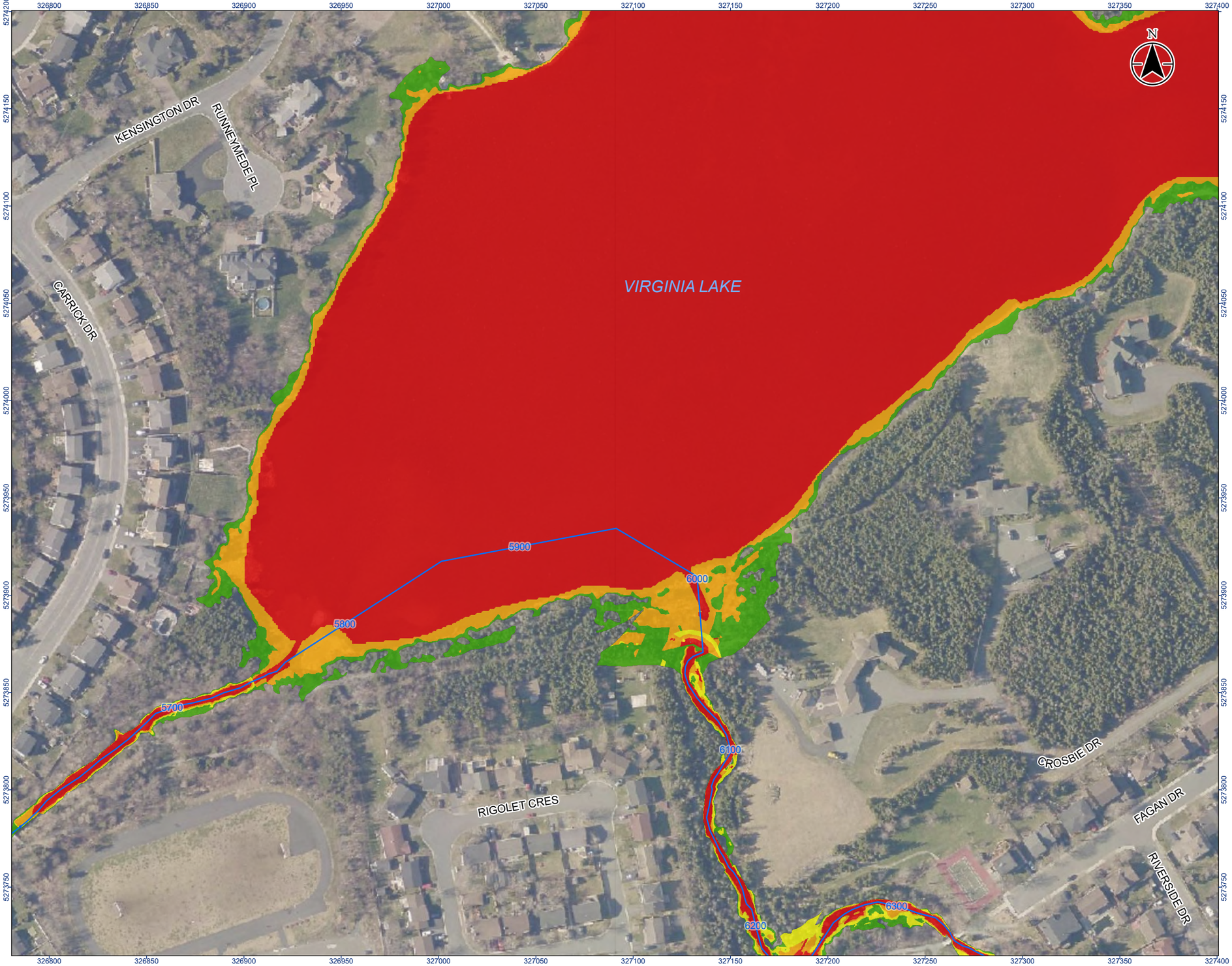
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-12

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 12 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

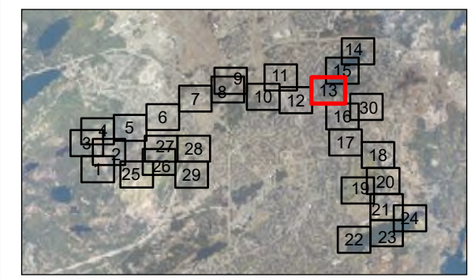
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



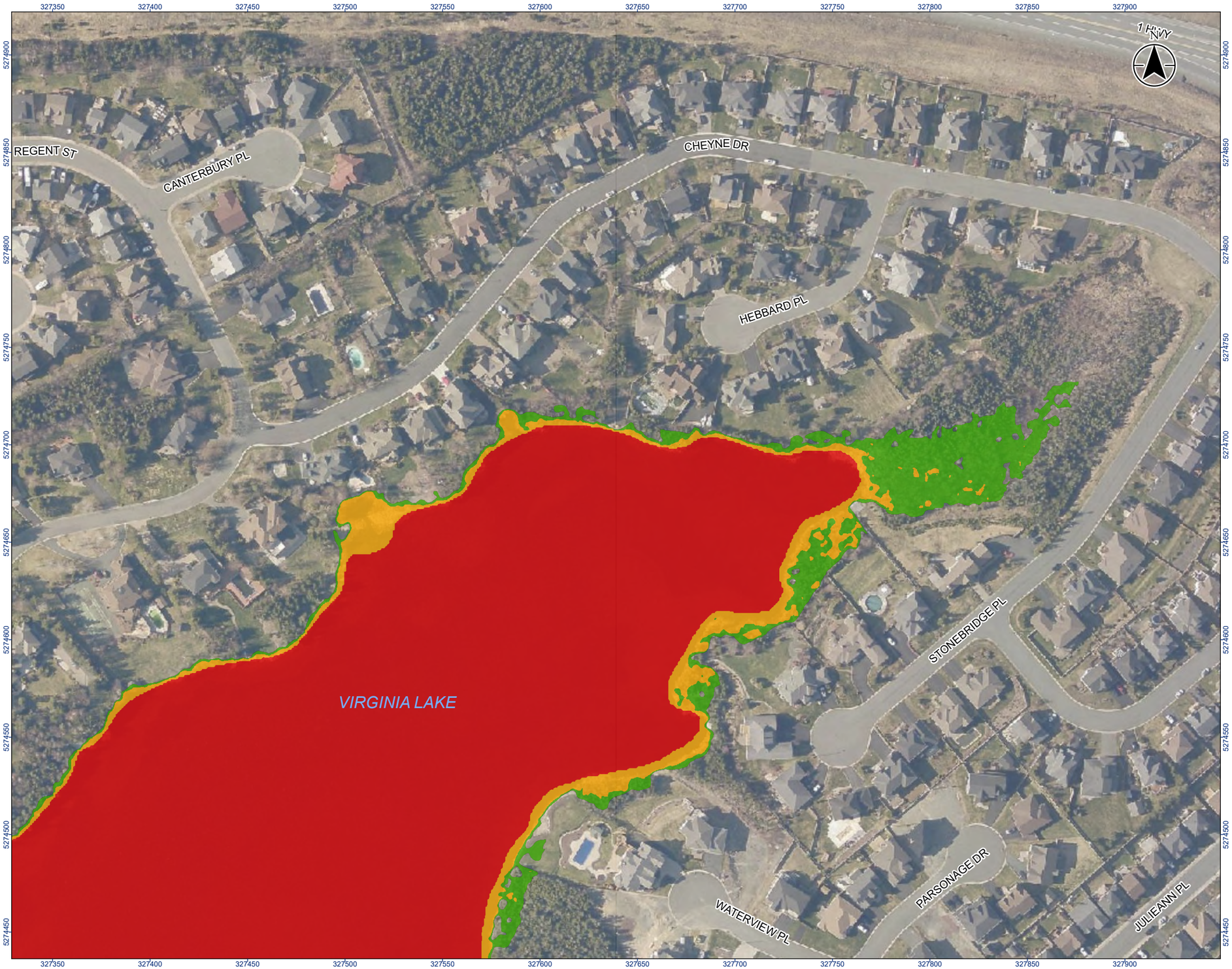
Project Location
City of St. John's

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.
84-13

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 13 of 30



Stantec

Legend

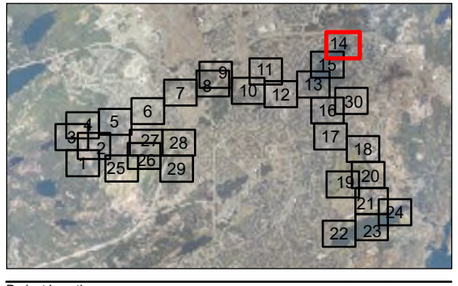
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

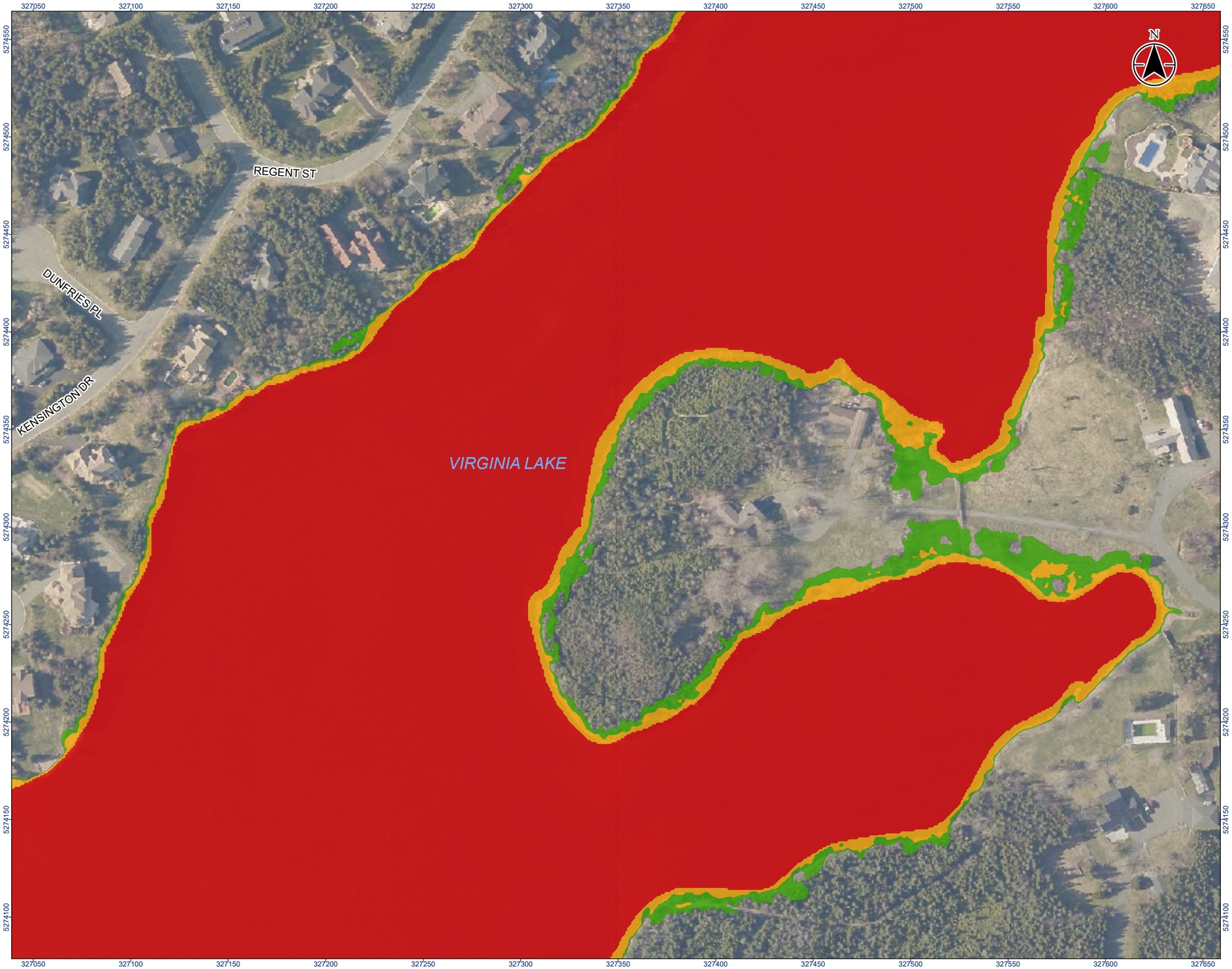
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-14

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 14 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

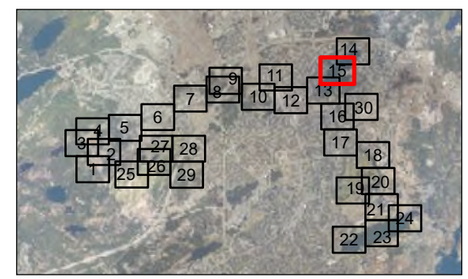
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
84-15

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 15 of 30

Stantec

Legend

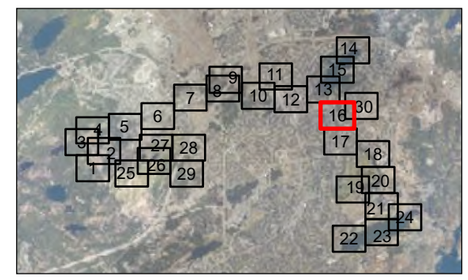
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

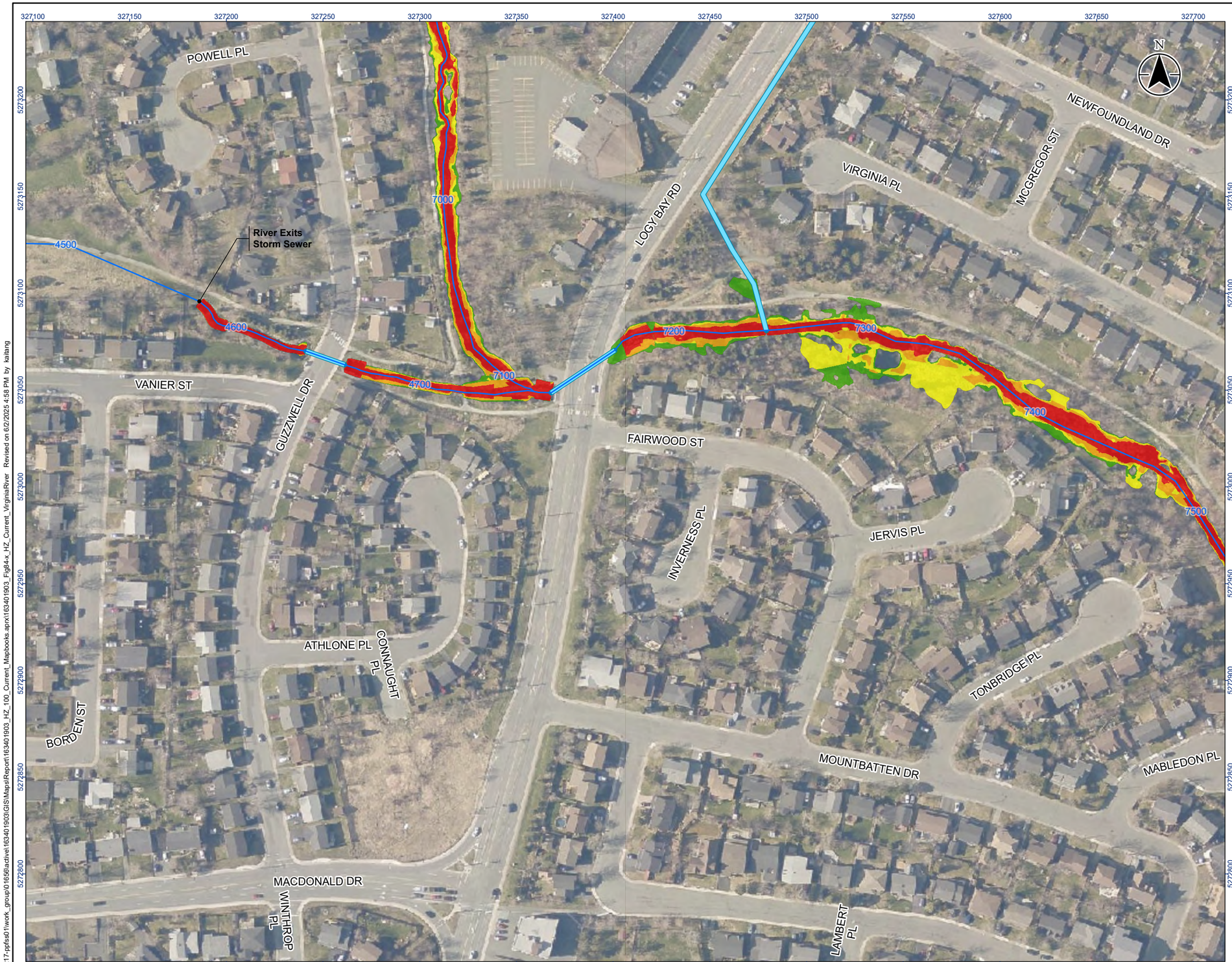
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-16

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 16 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

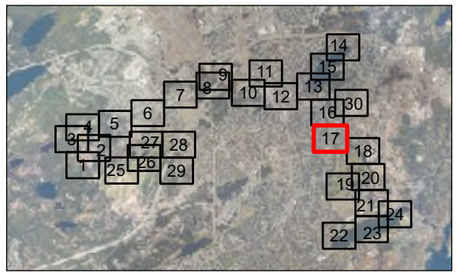
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

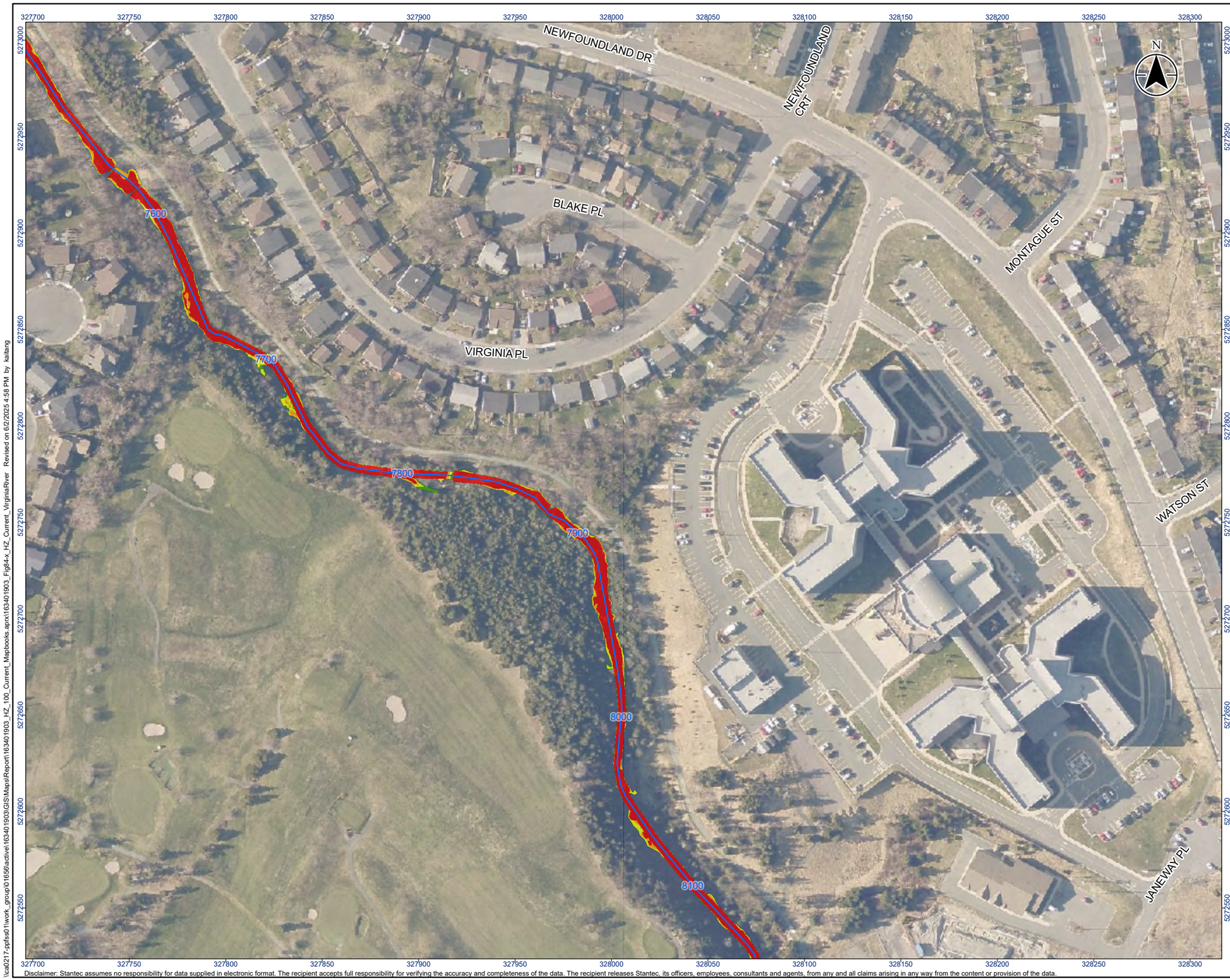
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-17

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 17 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

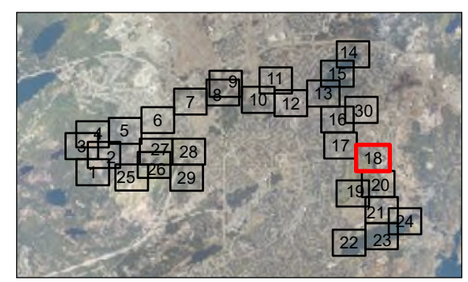
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
84-18

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 18 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang

Stantec

Legend

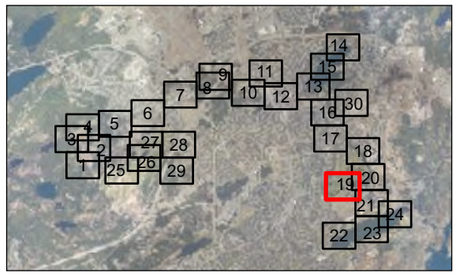
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
84-19

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 19 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang

Stantec

Legend

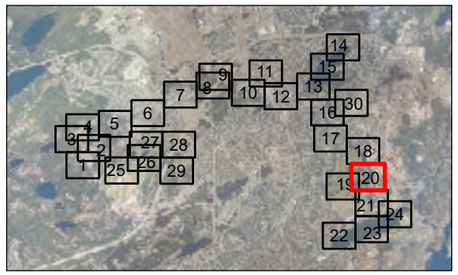
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

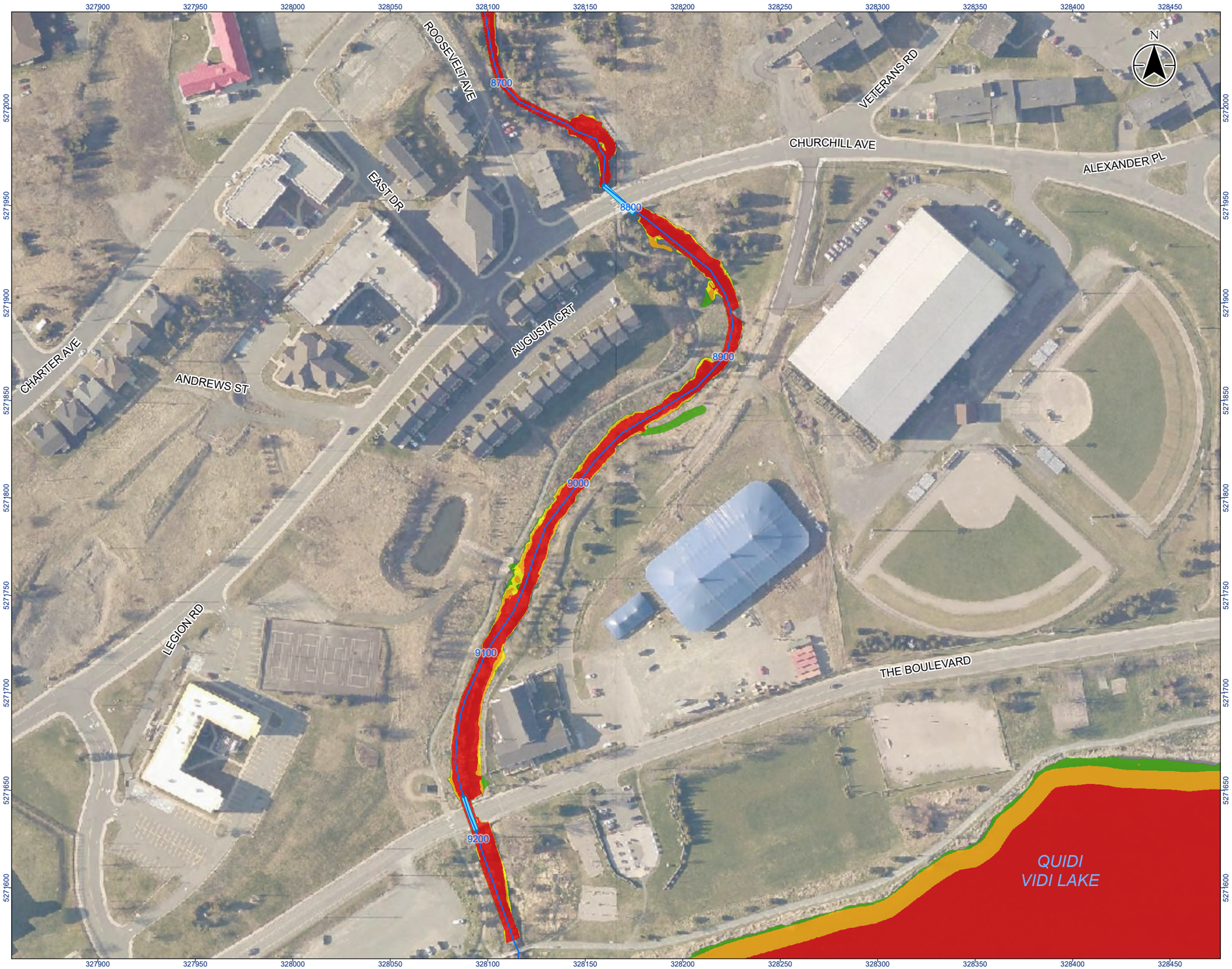
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-20

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 20 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

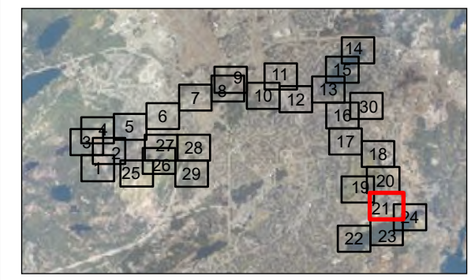
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

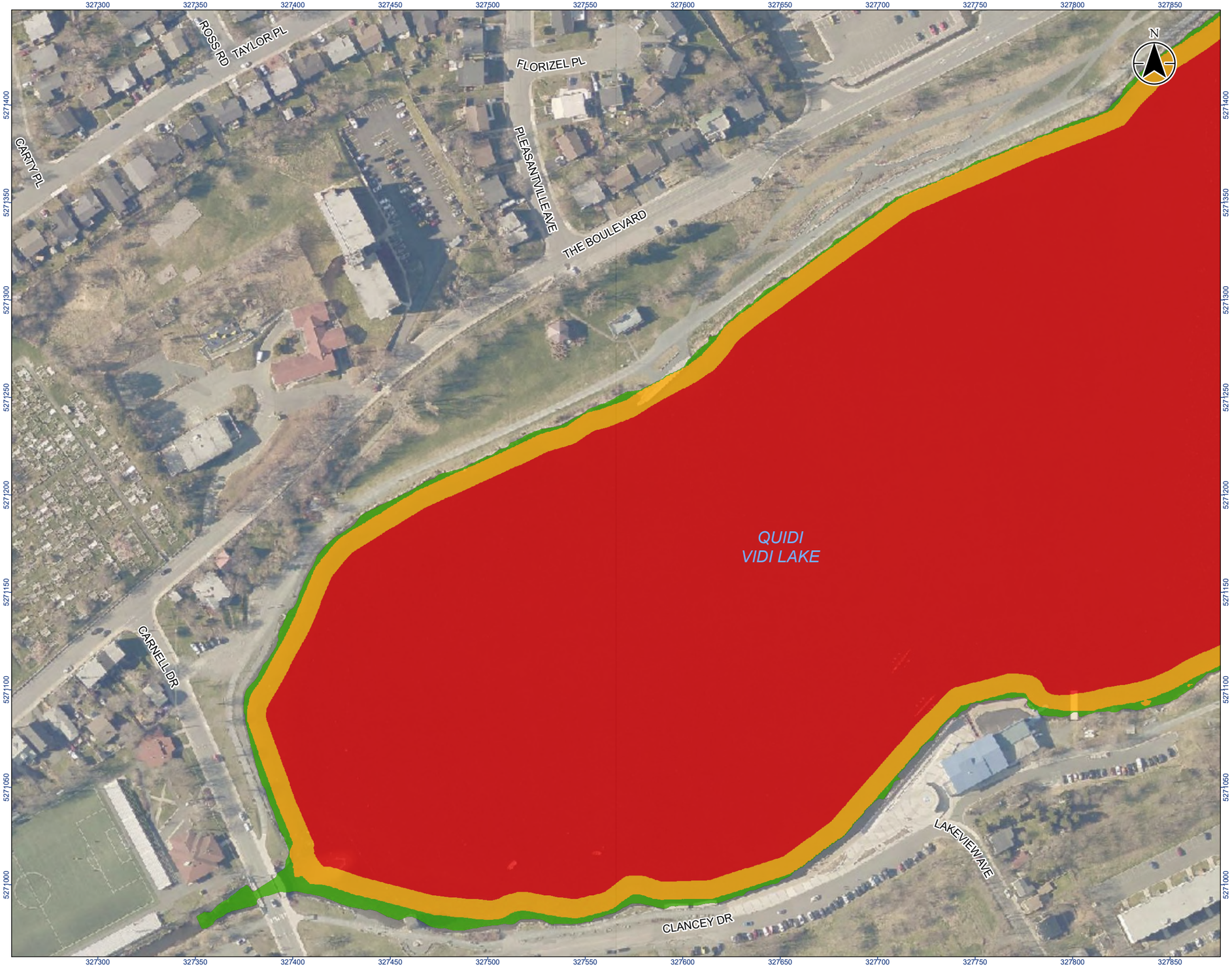
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-21

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 21 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

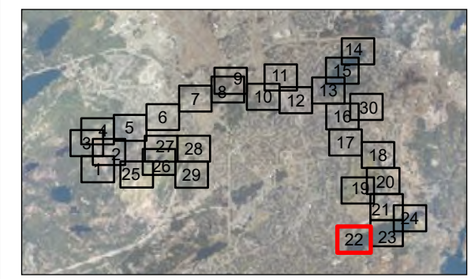
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

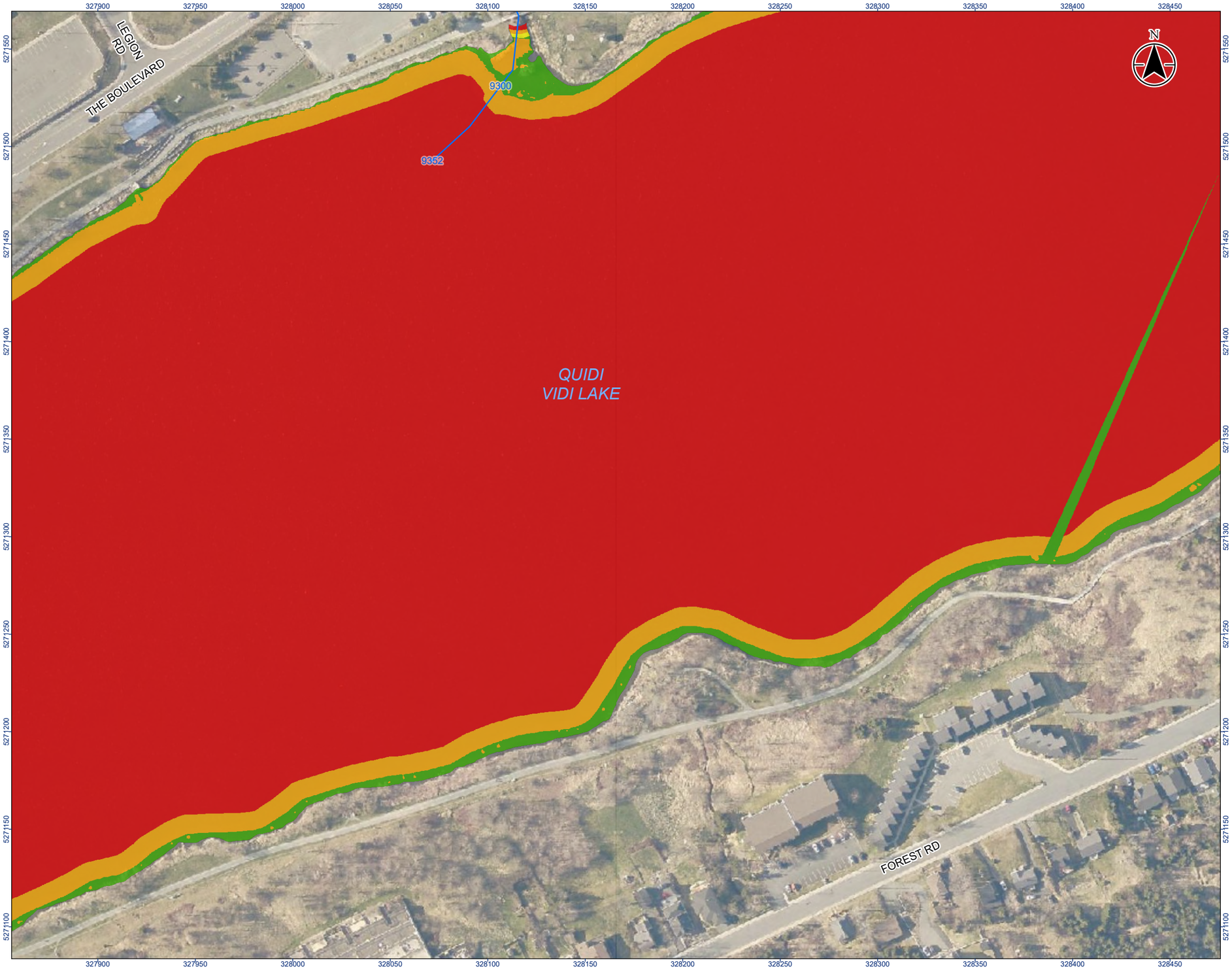
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-22

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 22 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

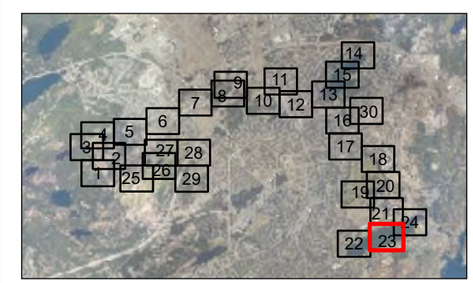
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

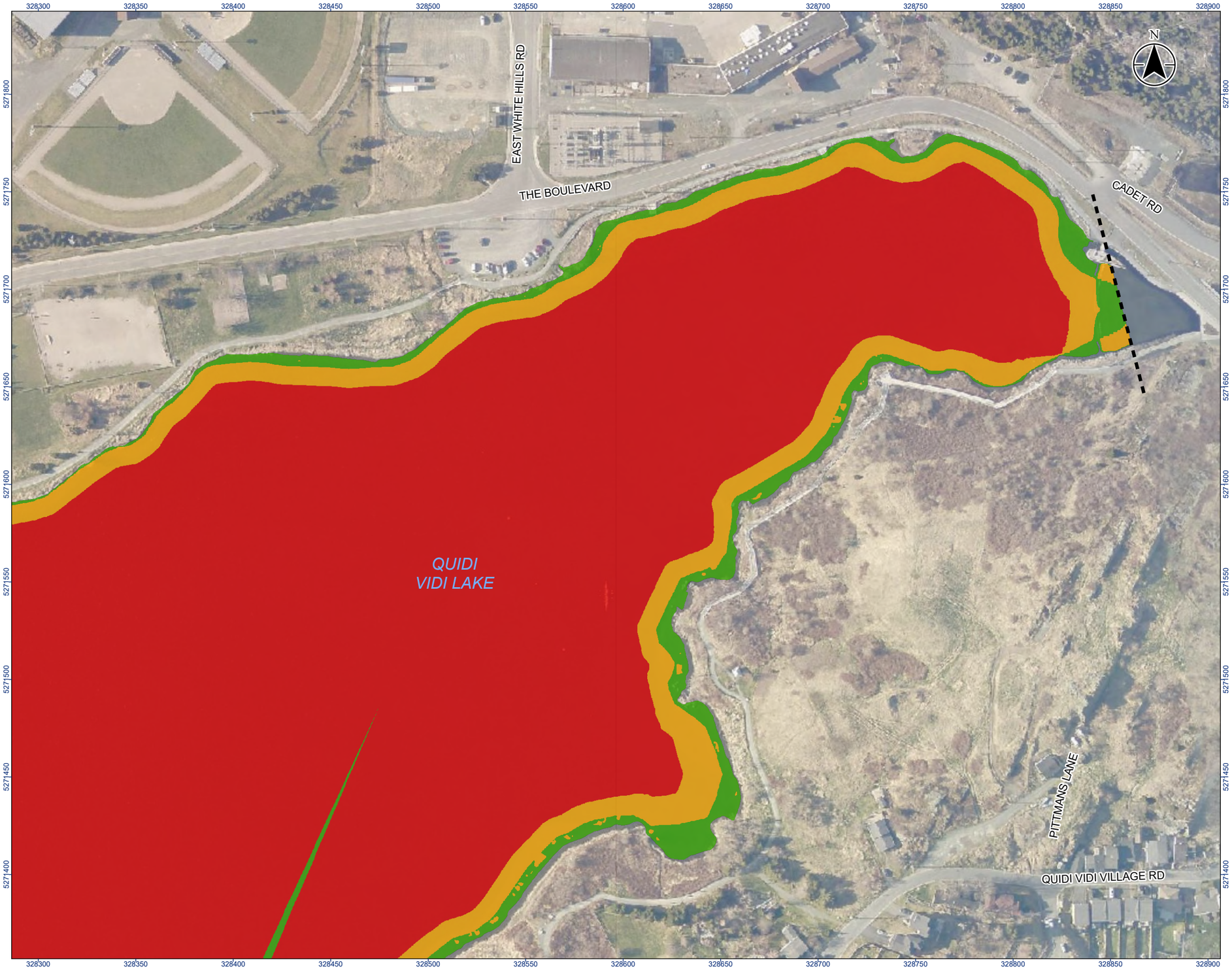
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-23

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 23 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

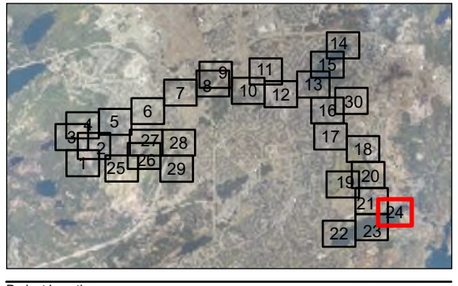
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

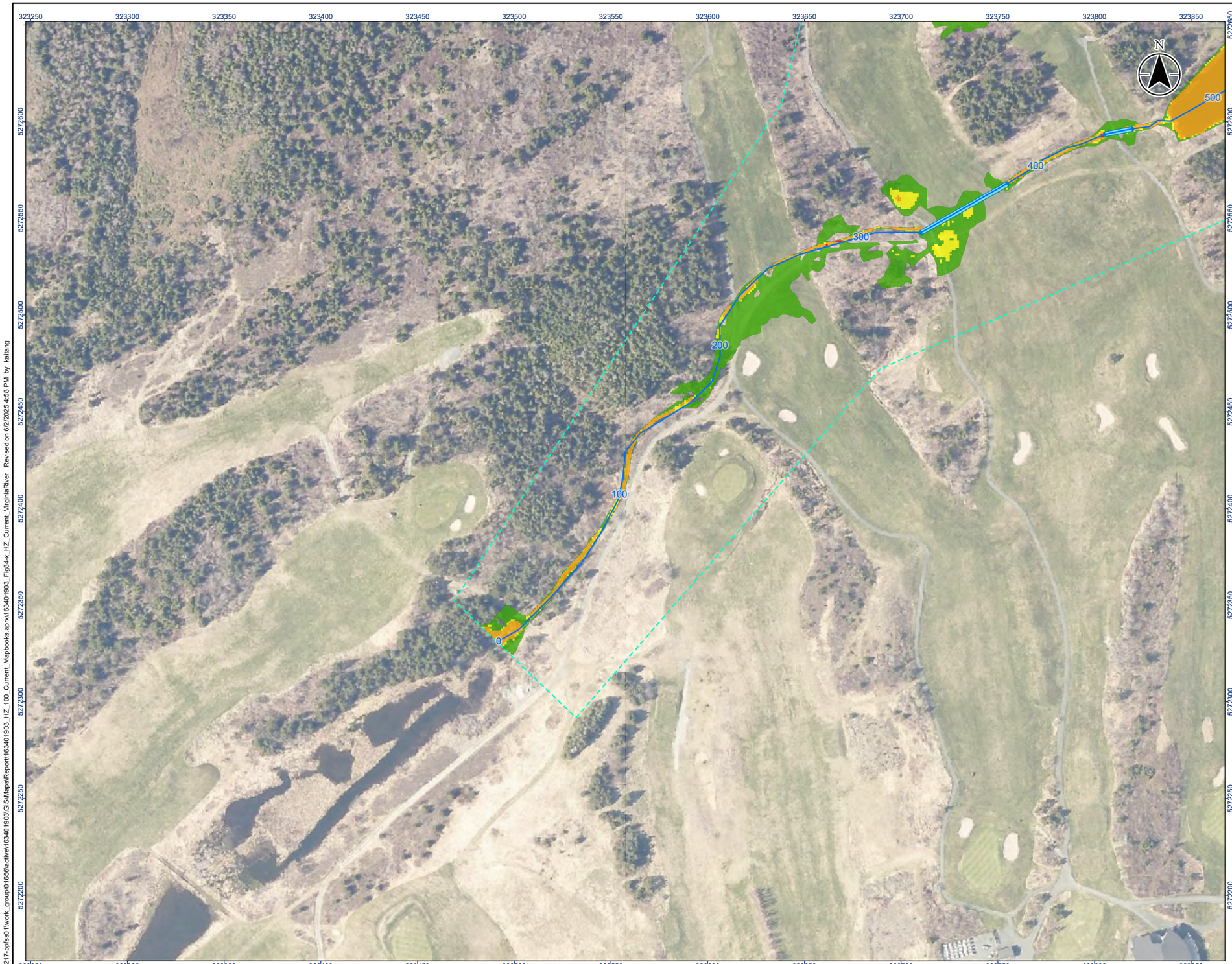
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-24

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 24 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

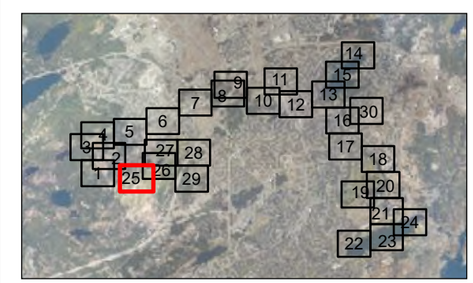
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

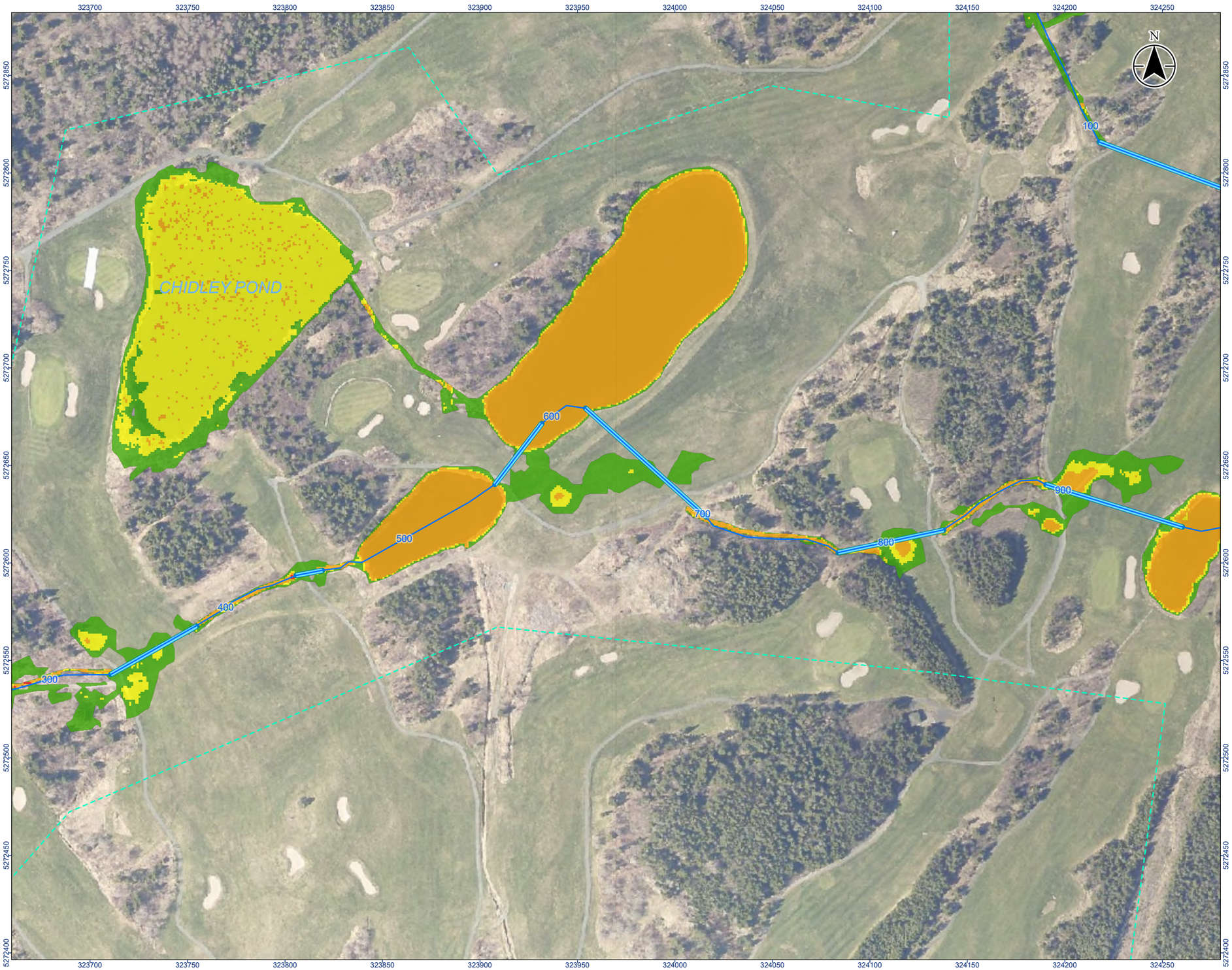
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-25

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 25 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

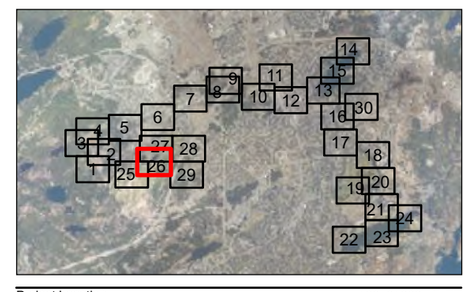
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

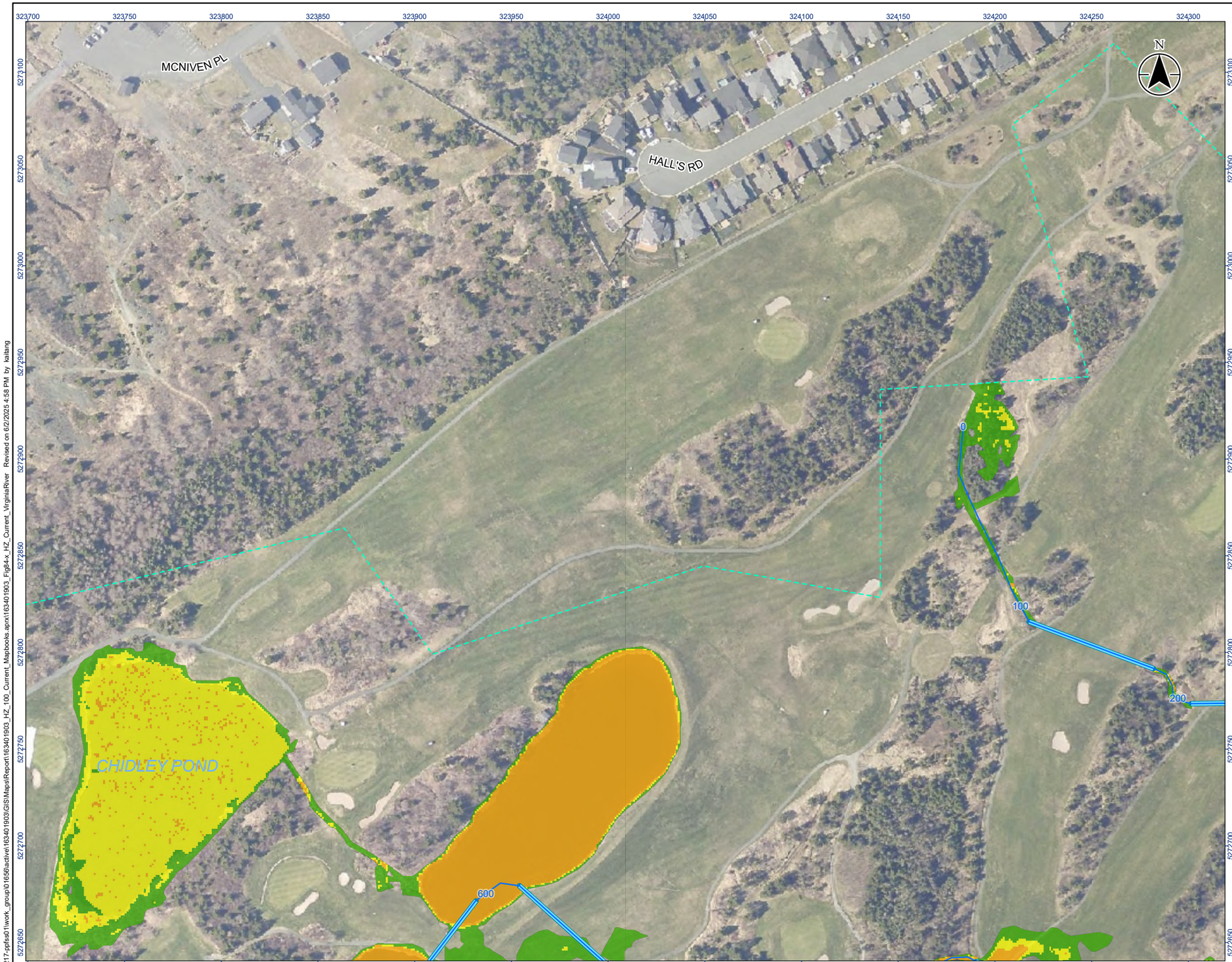
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-26

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 26 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

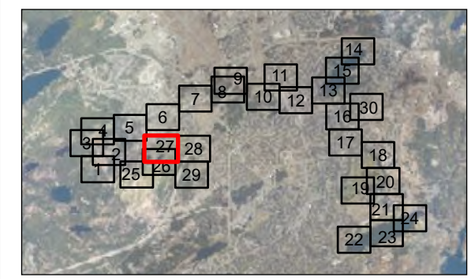
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

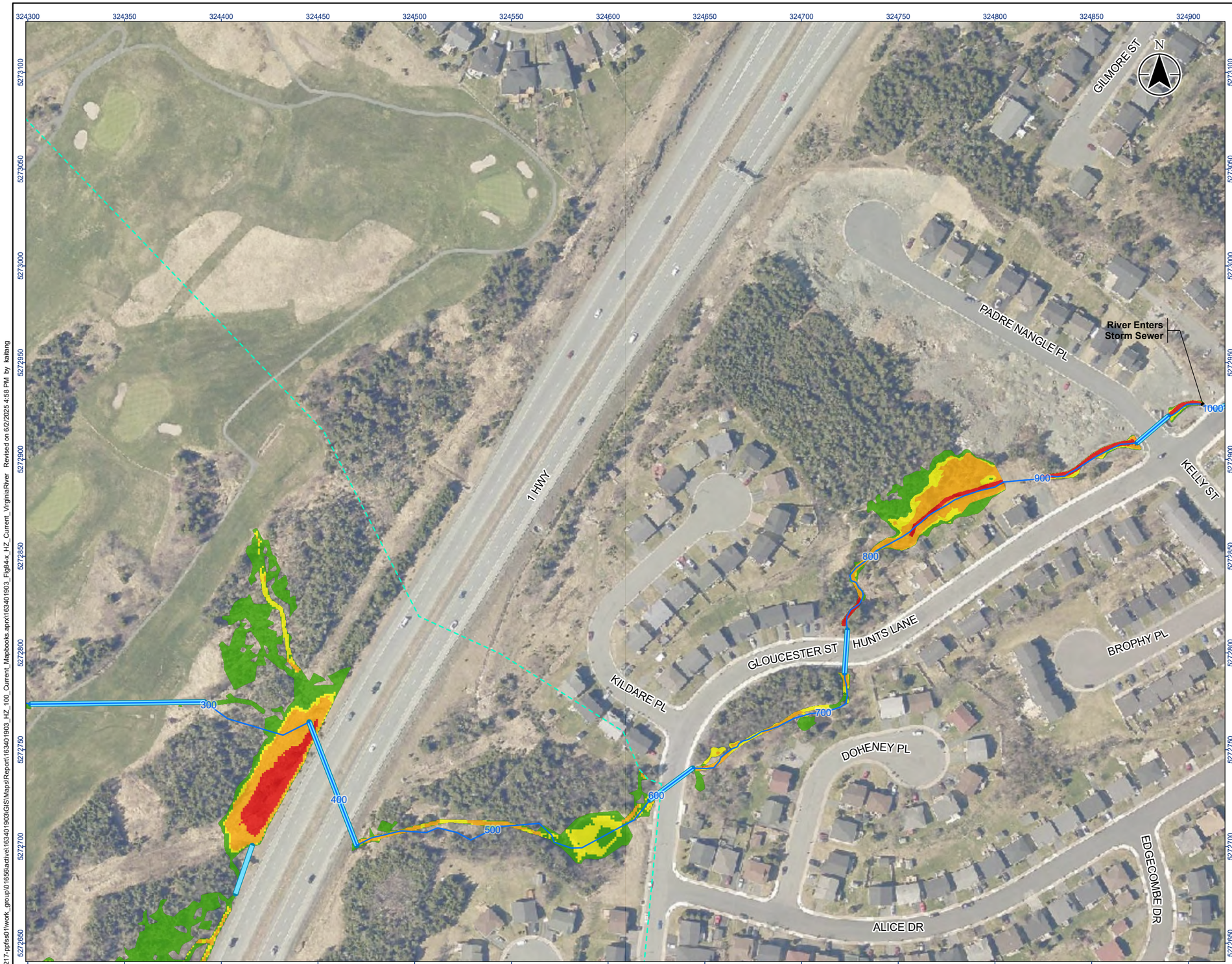
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-27

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 27 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

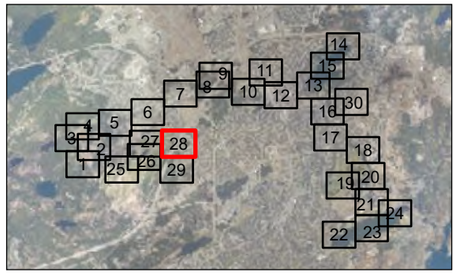
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

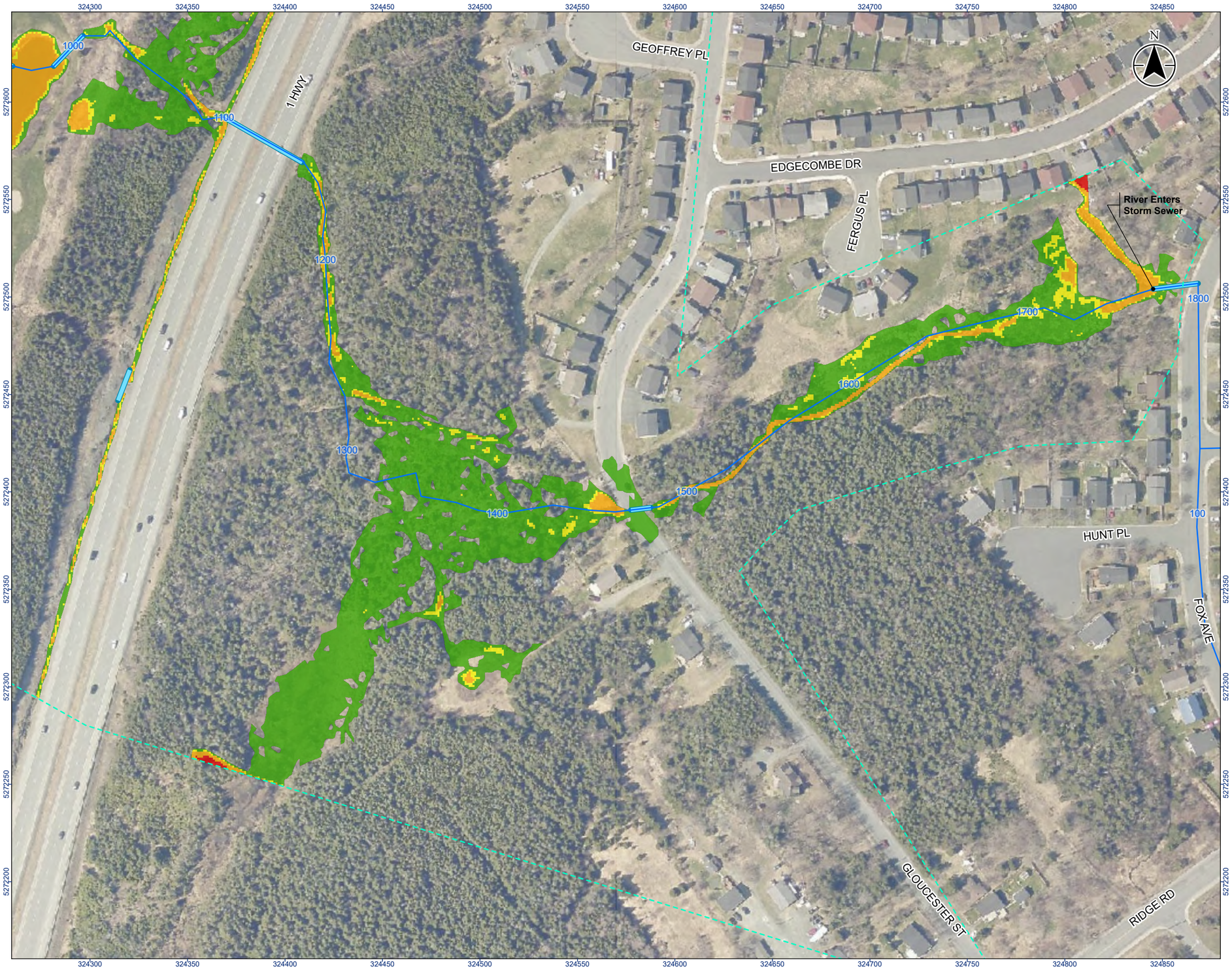
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-28

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 28 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

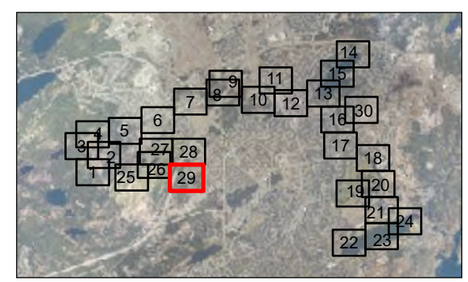
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
84-29

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 29 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang

Stantec

Legend

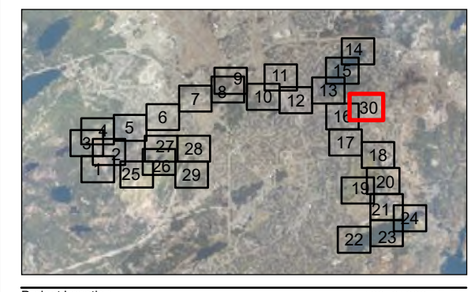
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

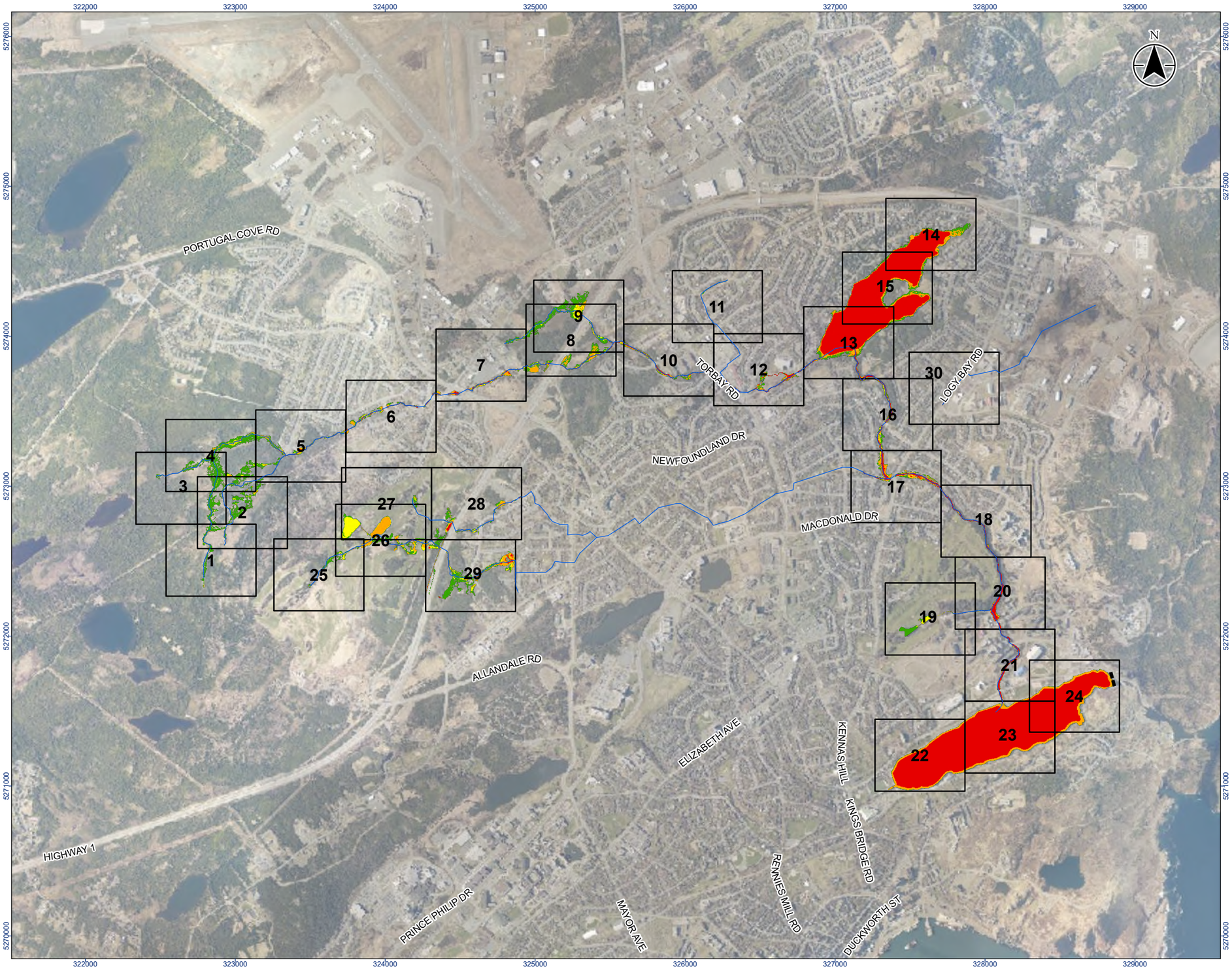
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
84-30

Title
Current Climate Condition
100-Year Hazard - Virginia River
Sheet 30 of 30

\\ca0217-ppfss01\work_group\01658\active\163401903\GIS\Maps\Report\163401903_HZ_100_Current_Mapbooks.aprx\163401903_Fig84-x_HZ_Current_VirginiaRiver Revised on 6/2/2025 4:58 PM by kaitang



Stantec

Legend

- River/Creek Centreline
- Limit of Mapping
- Map Extents
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 510 1,020 m

1:26,000 (At original document size of 11x17)

Notes

1. Coordinate System: NAD 1983 MTM 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.

Project Location
City of St. John's

163401903 REVA
Prepared by kebuchanan on 2024-12-20

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

Figure No.
98-0

Title
Climate Change Condition 100-Year Hazard - Virginia River Overview Map

Stantec

Legend

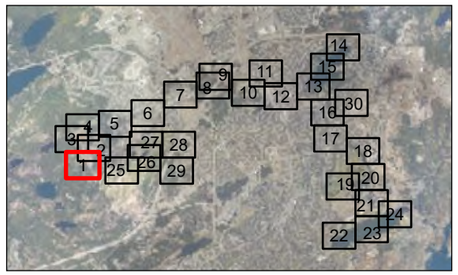
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

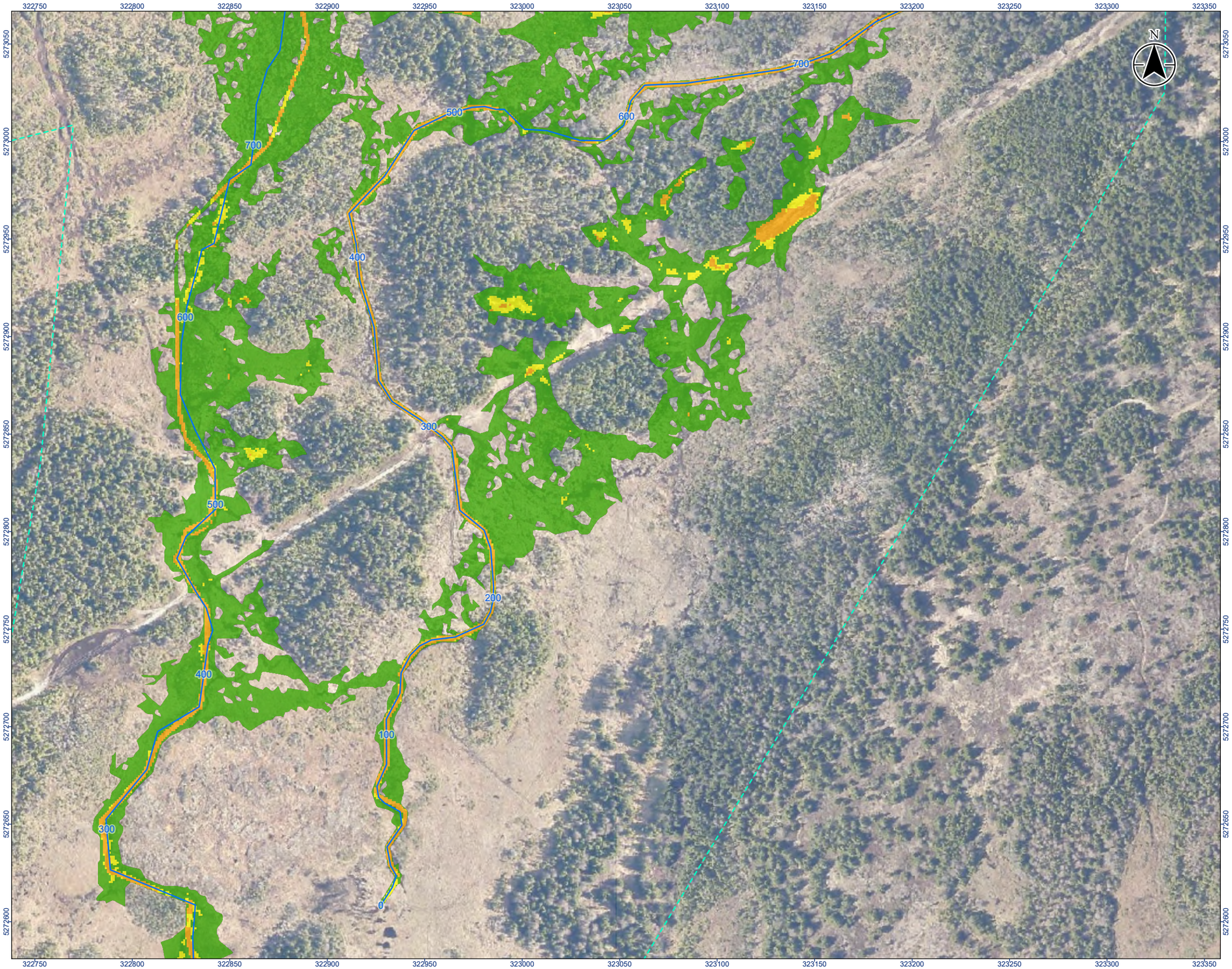
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
98-1

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 1 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang



Stantec

Legend

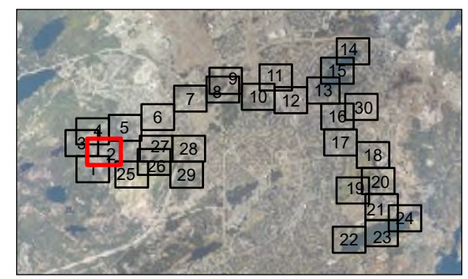
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

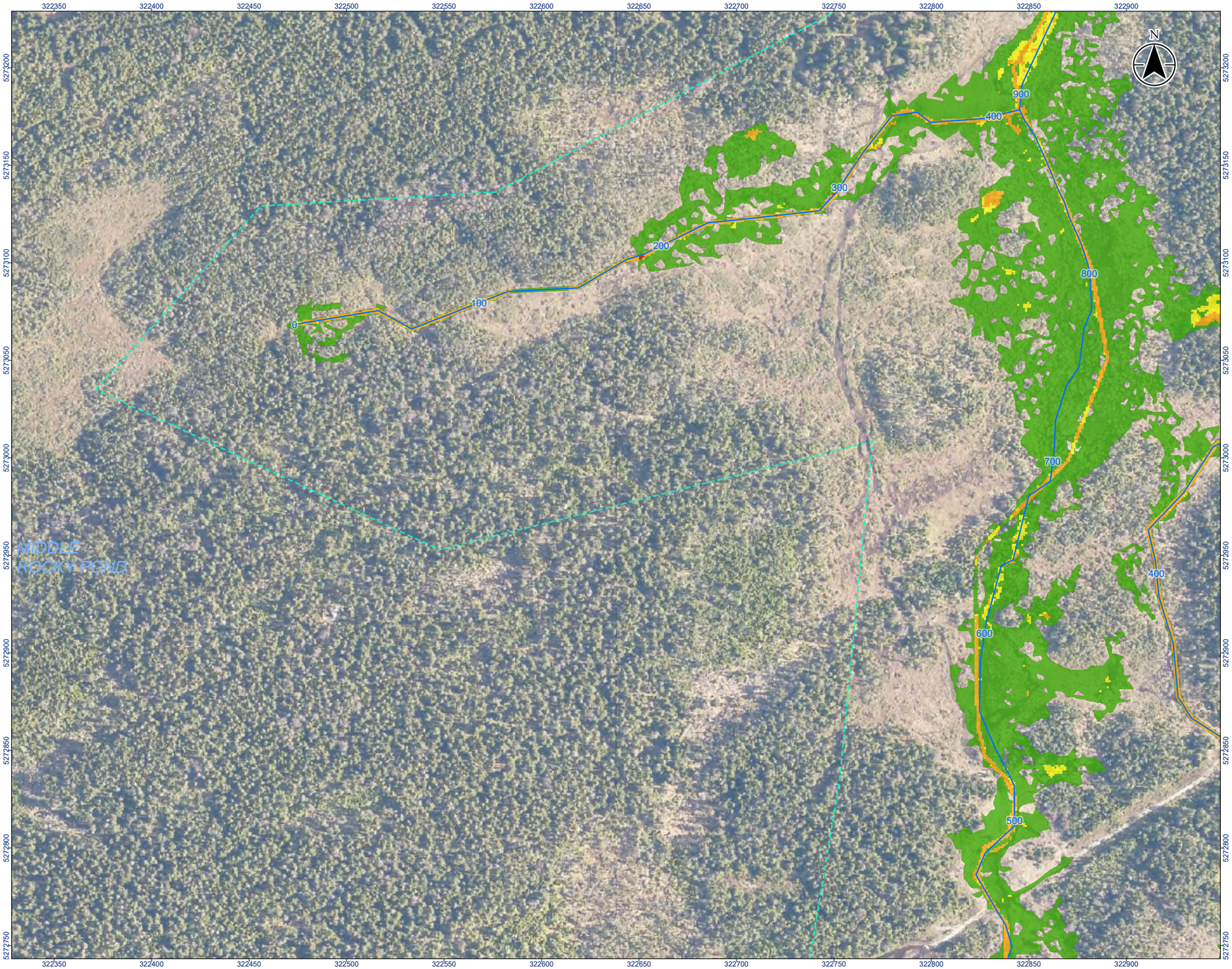
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
98-2

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 2 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang



Stantec

Legend

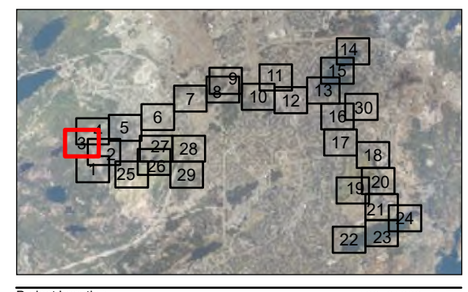
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

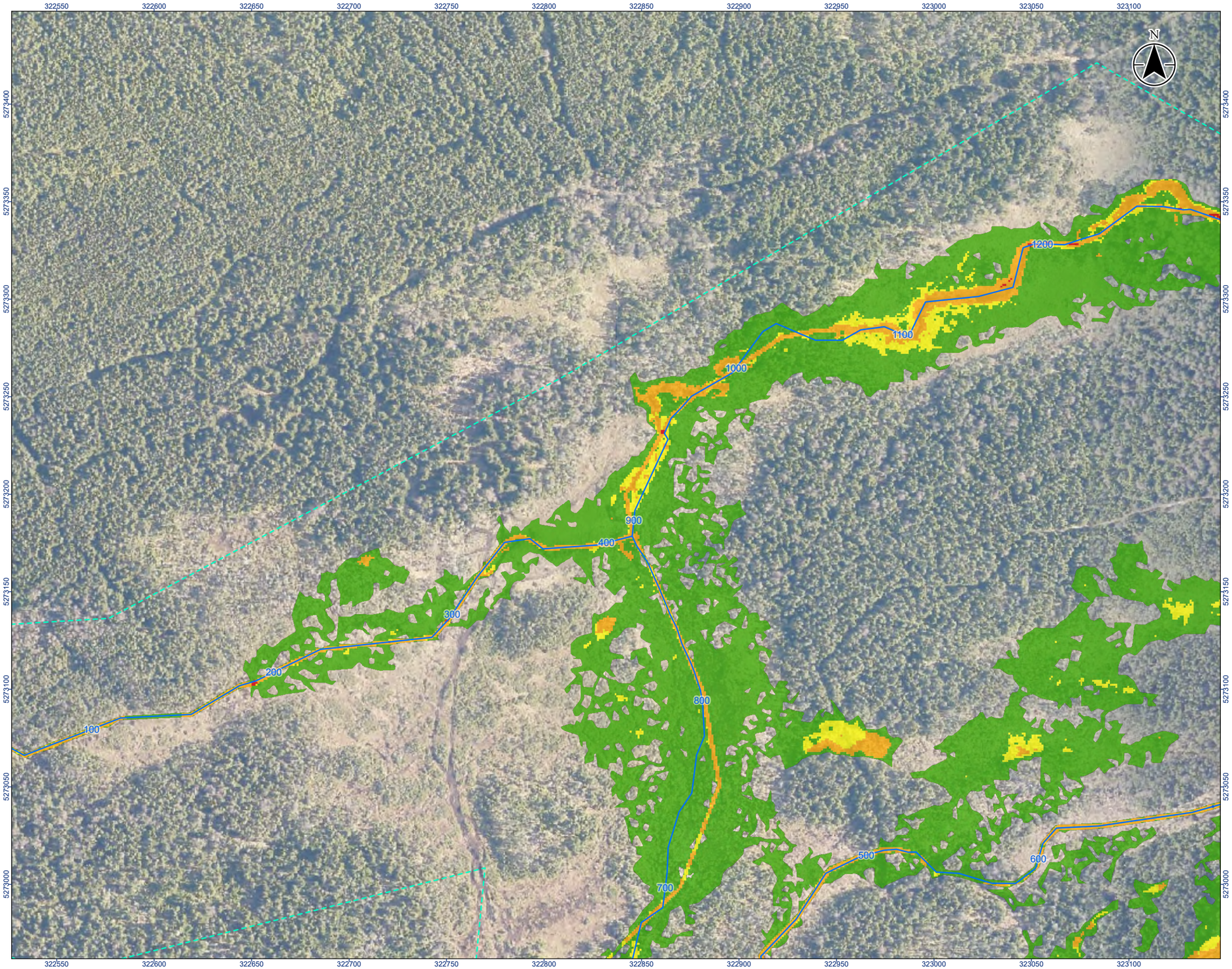
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
98-3

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 3 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang



Stantec

Legend

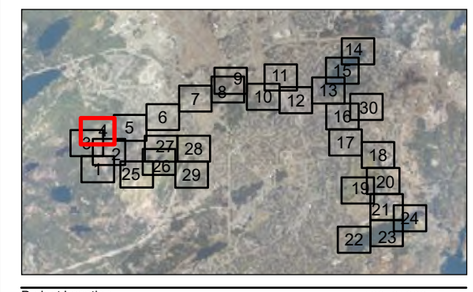
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
98-4

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 4 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang

Stantec

Legend

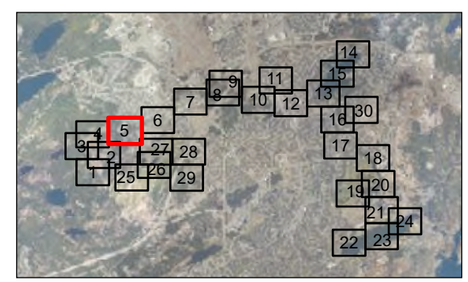
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
98-5

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 5 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang

Stantec

Legend

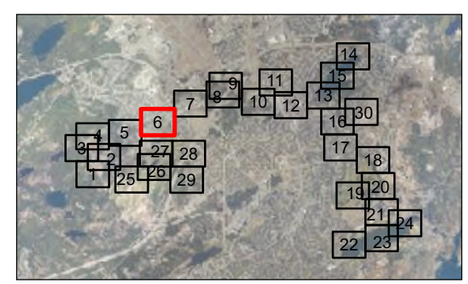
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

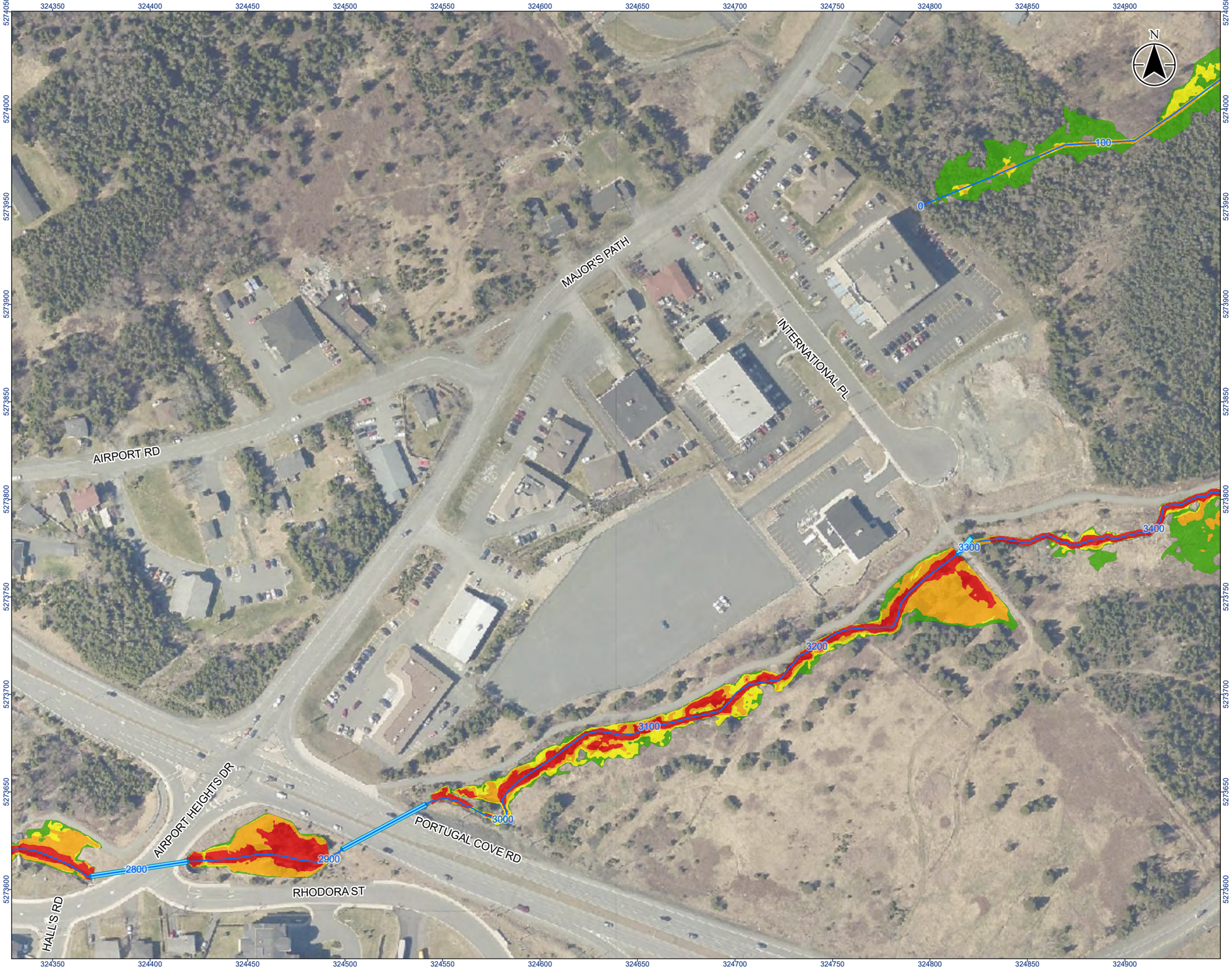
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
98-6

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 6 of 30

\\ca0217-pfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang



Stantec

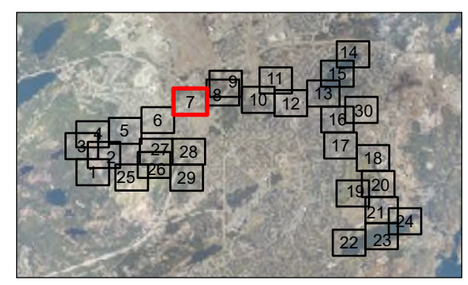
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

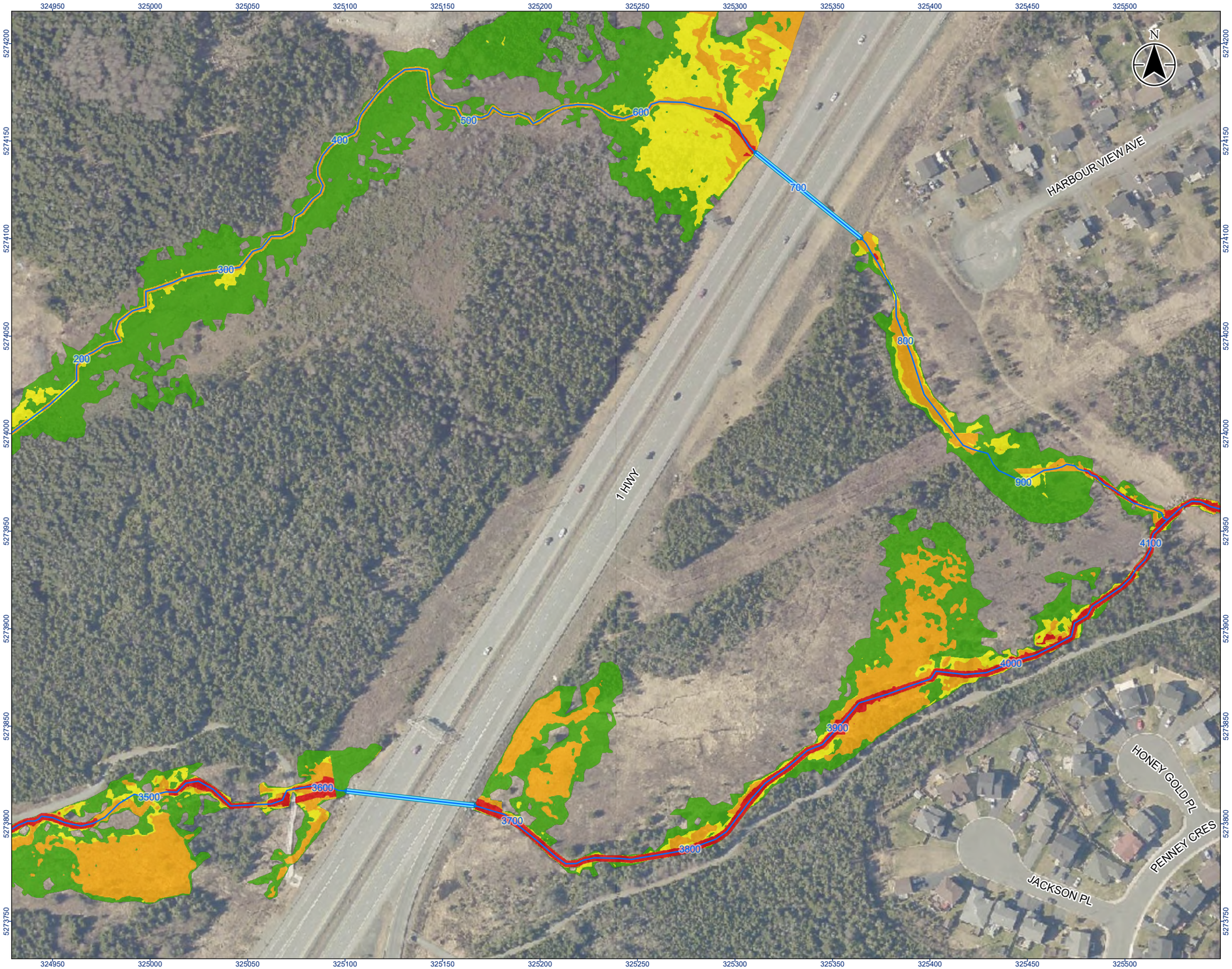
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
98-7

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 7 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang



Stantec

Legend

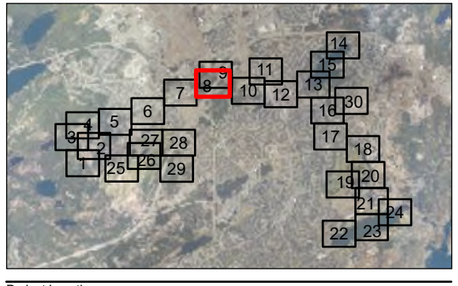
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

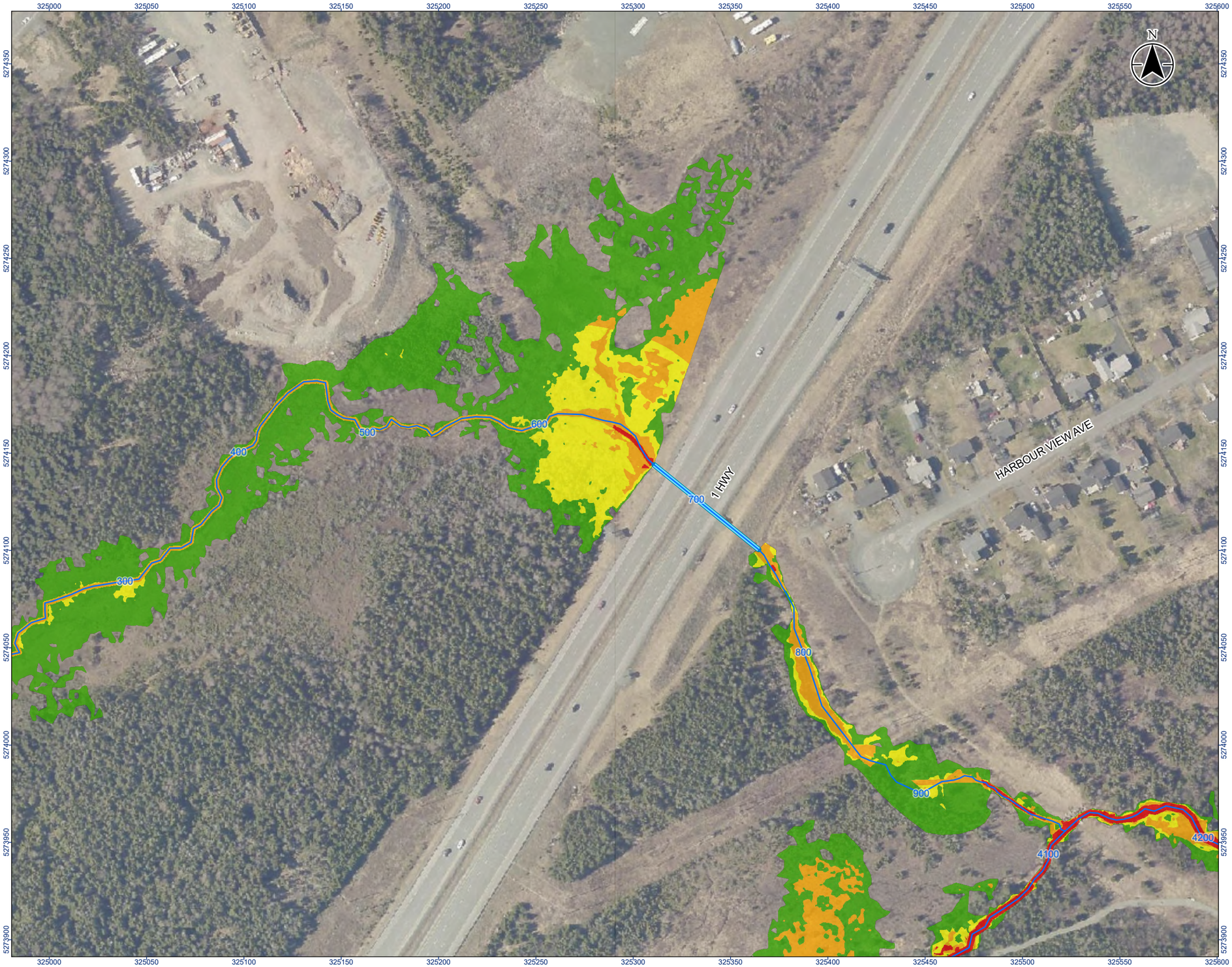
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
98-8

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 8 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang



Stantec

Legend

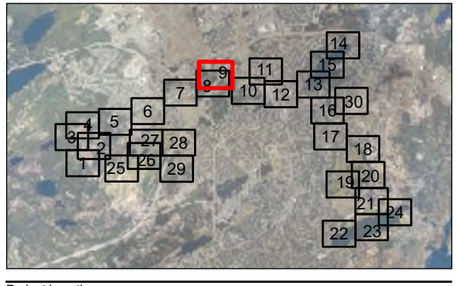
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

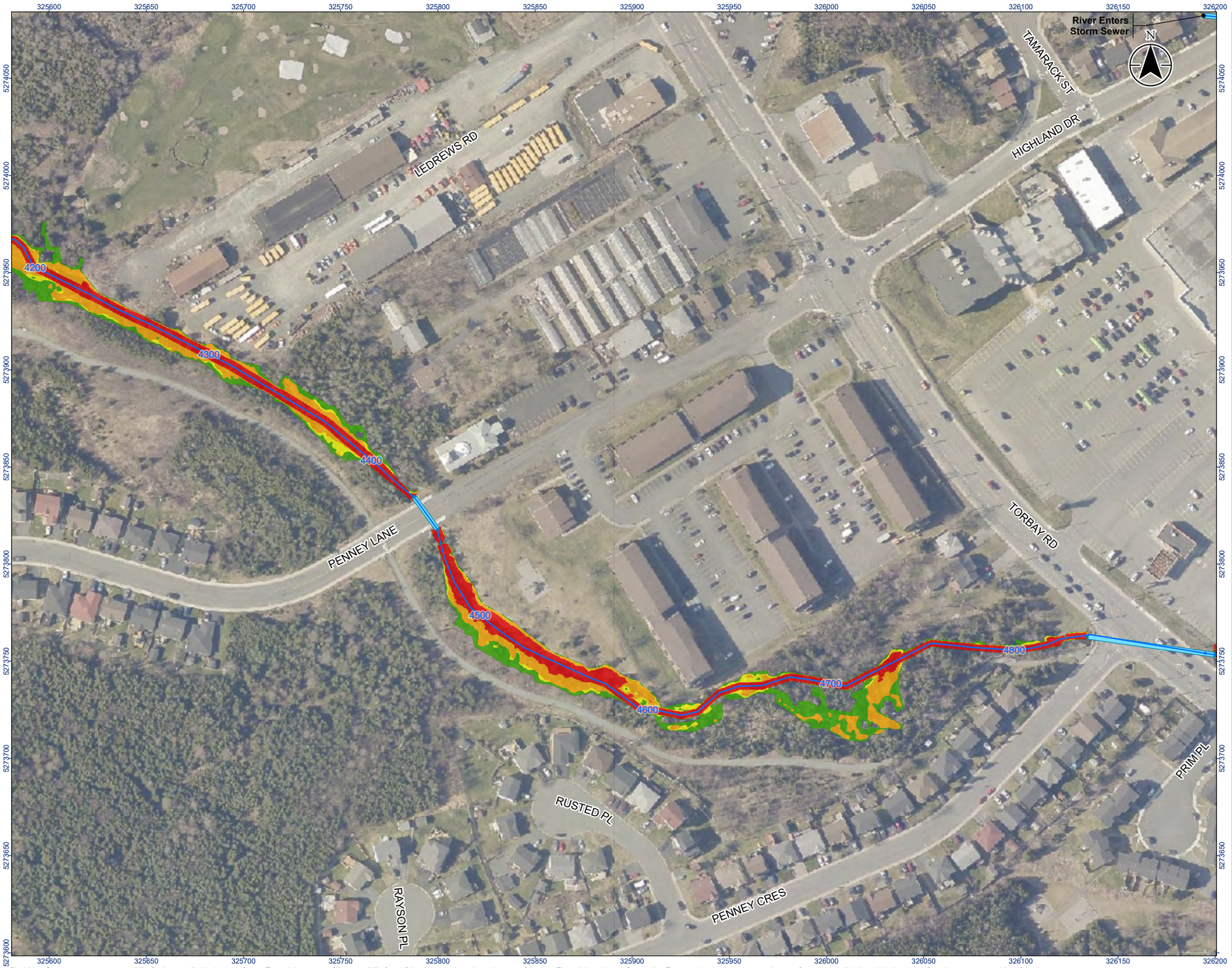
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
98-9

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 9 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang



Stantec

Legend

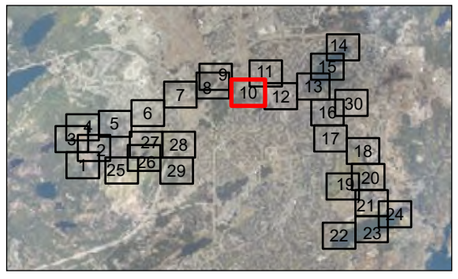
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
98-10

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 10 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang

Stantec

Legend

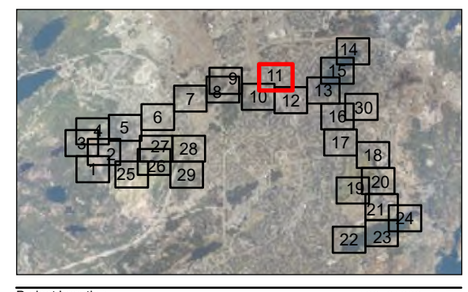
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

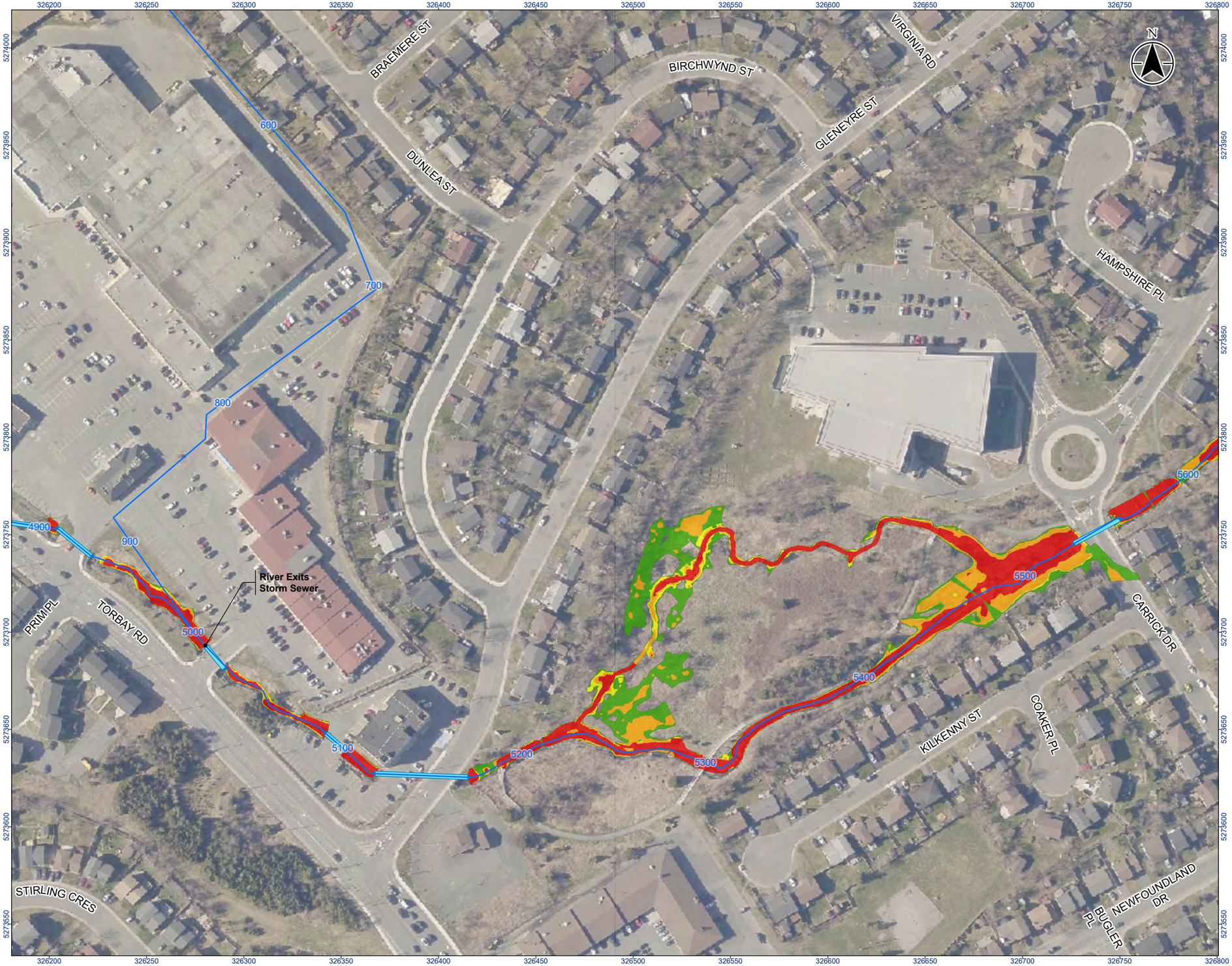
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
98-11

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 11 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang



Stantec

Legend

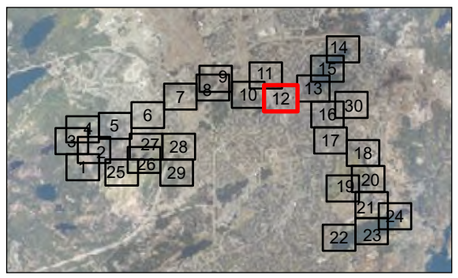
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

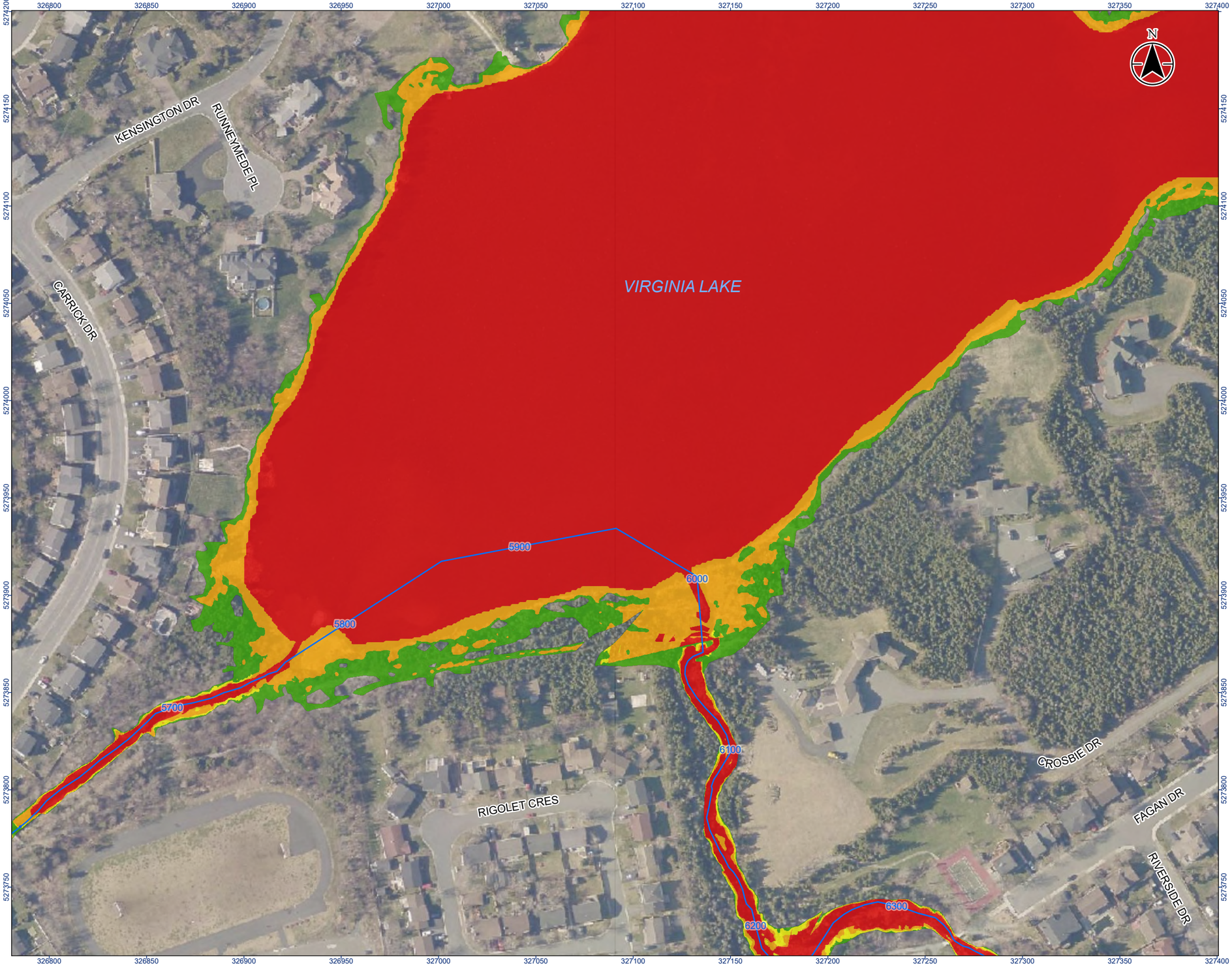
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
98-12

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 12 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang



Stantec

Legend

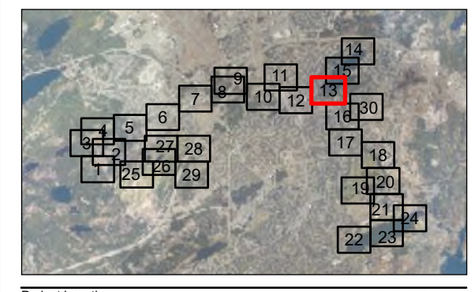
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



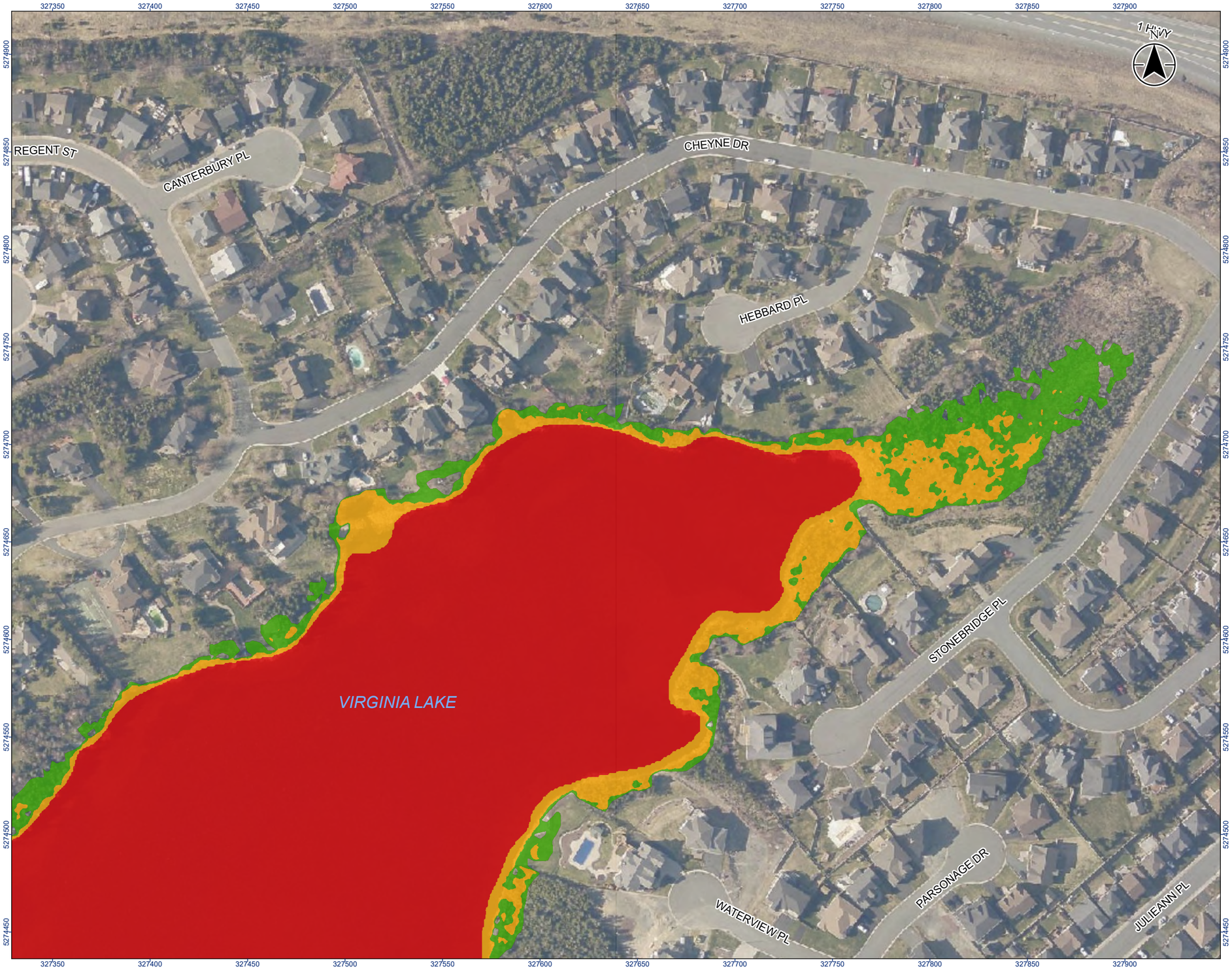
Project Location
City of St. John's

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.
98-13

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 13 of 30



Stantec

Legend

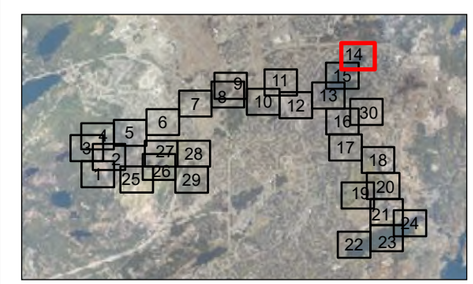
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

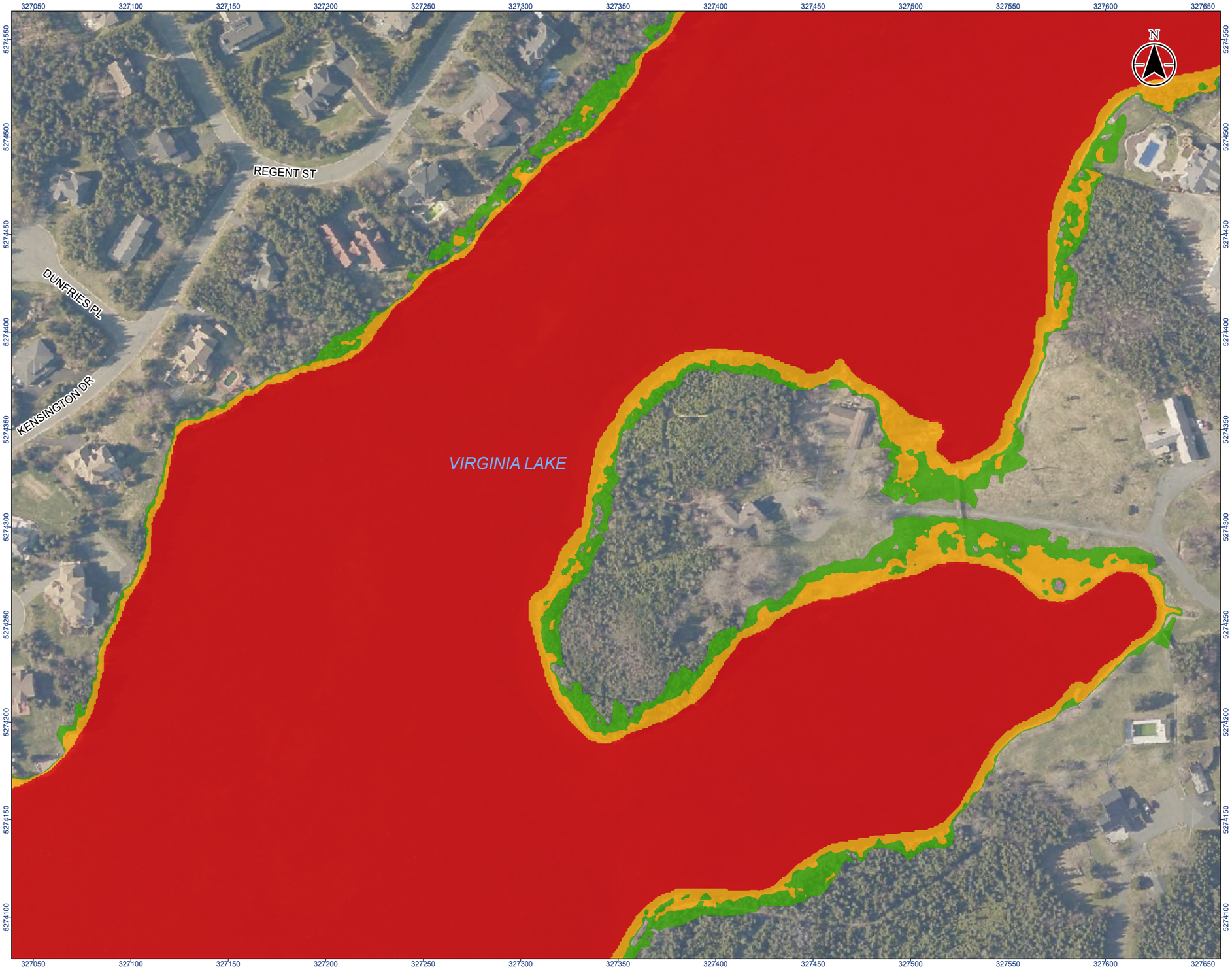
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
98-14

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 14 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang



Stantec

Legend

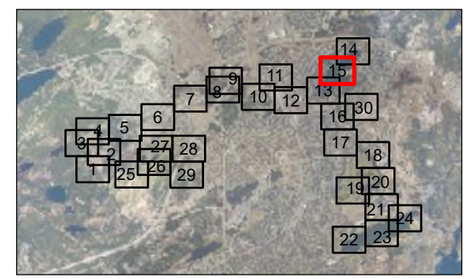
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
98-15

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 15 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang

Stantec

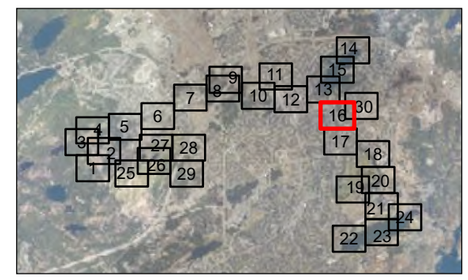
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
98-16

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 16 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang

Stantec

Legend

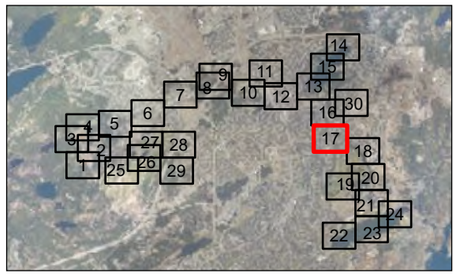
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

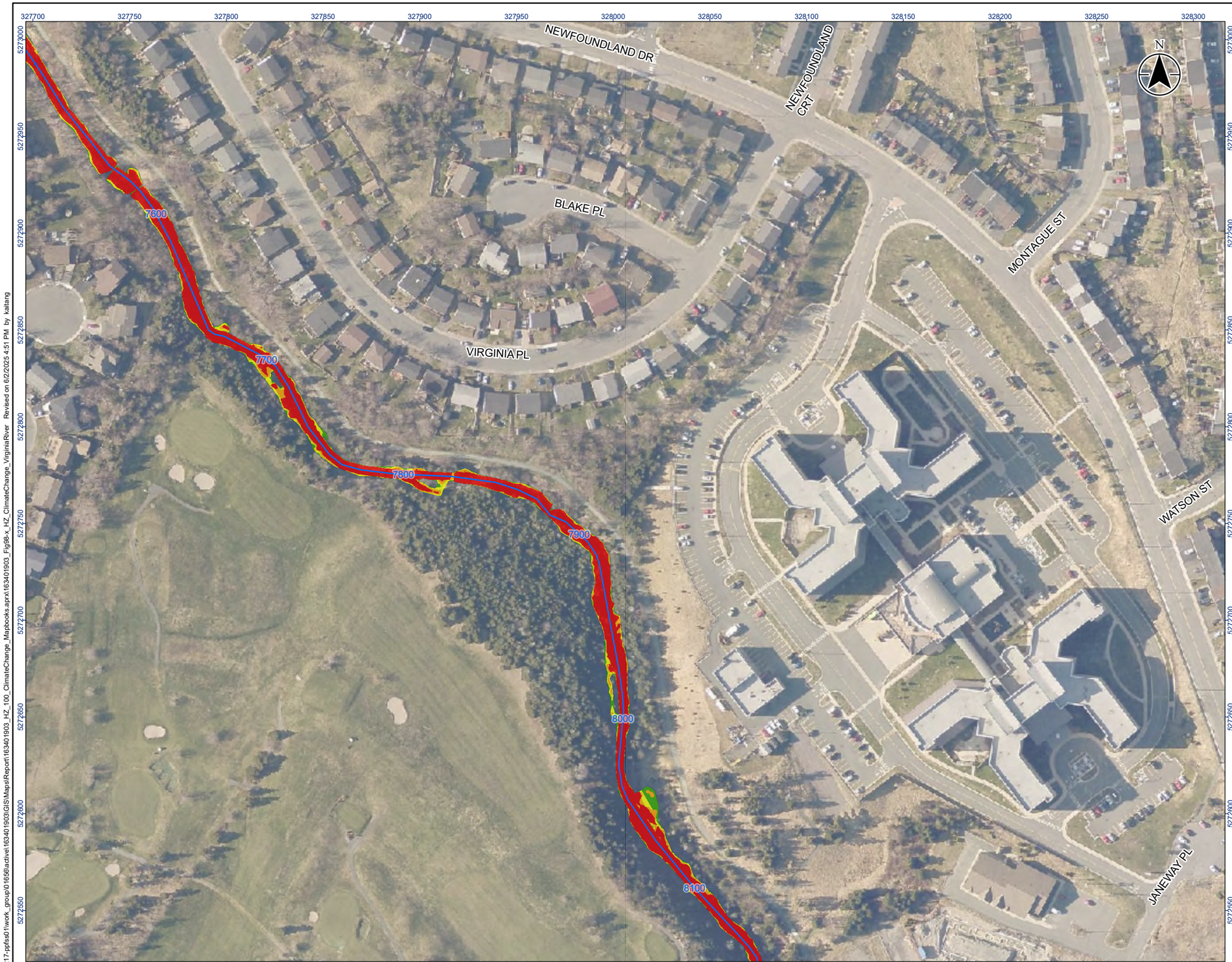
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
98-17

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 17 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang



Stantec

Legend

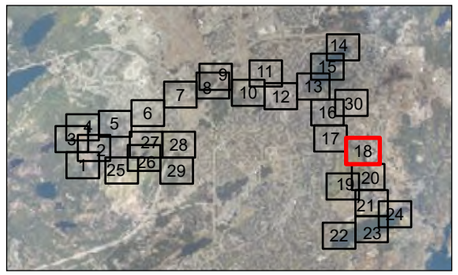
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
98-18

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 18 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang

Stantec

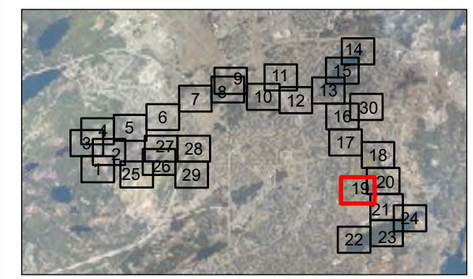
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

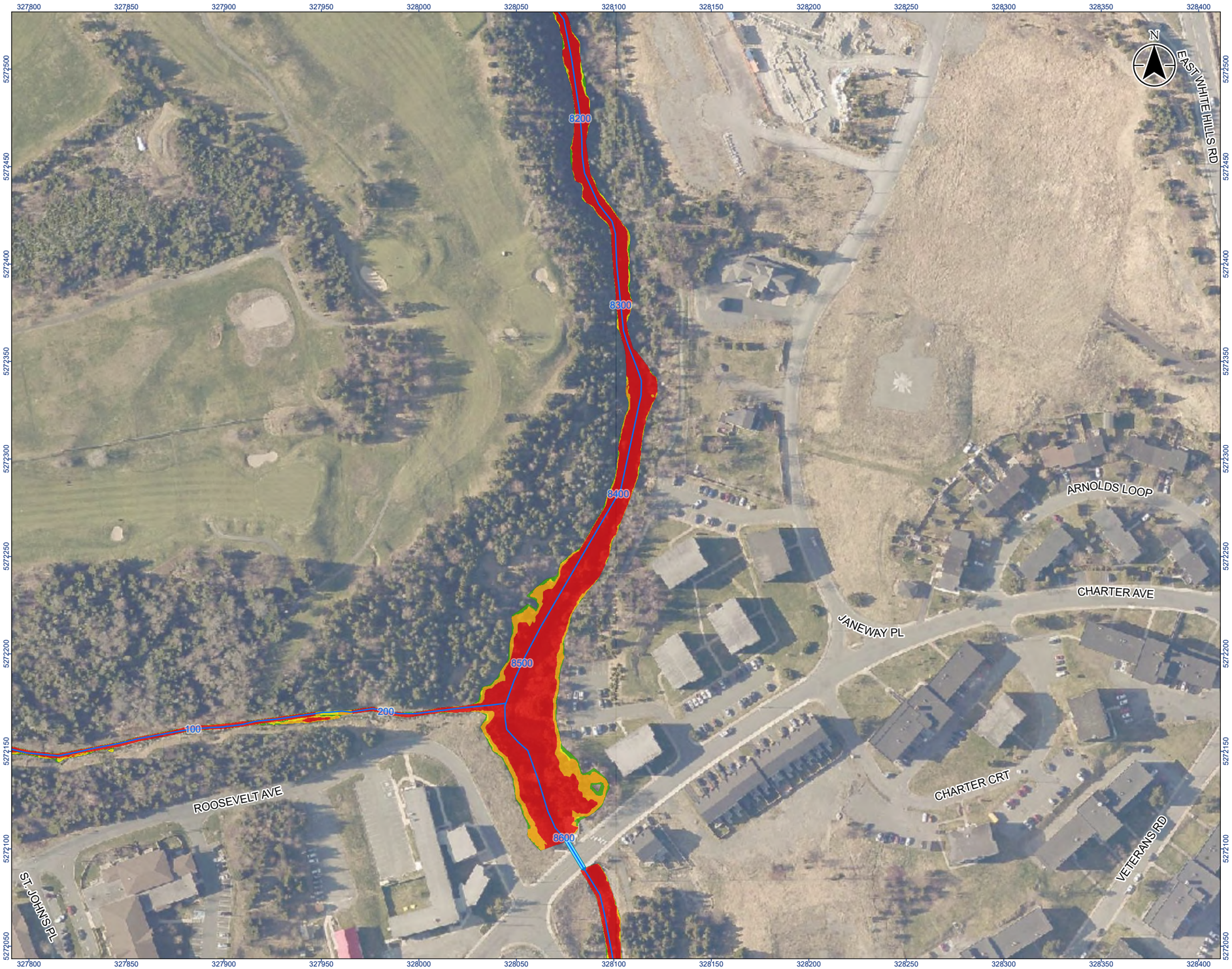
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
98-19

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 19 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang



Stantec

Legend

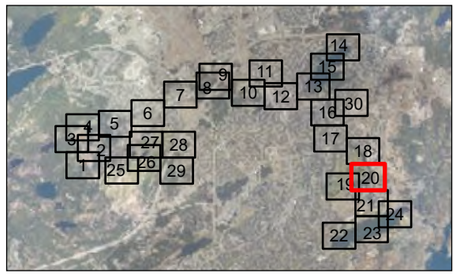
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

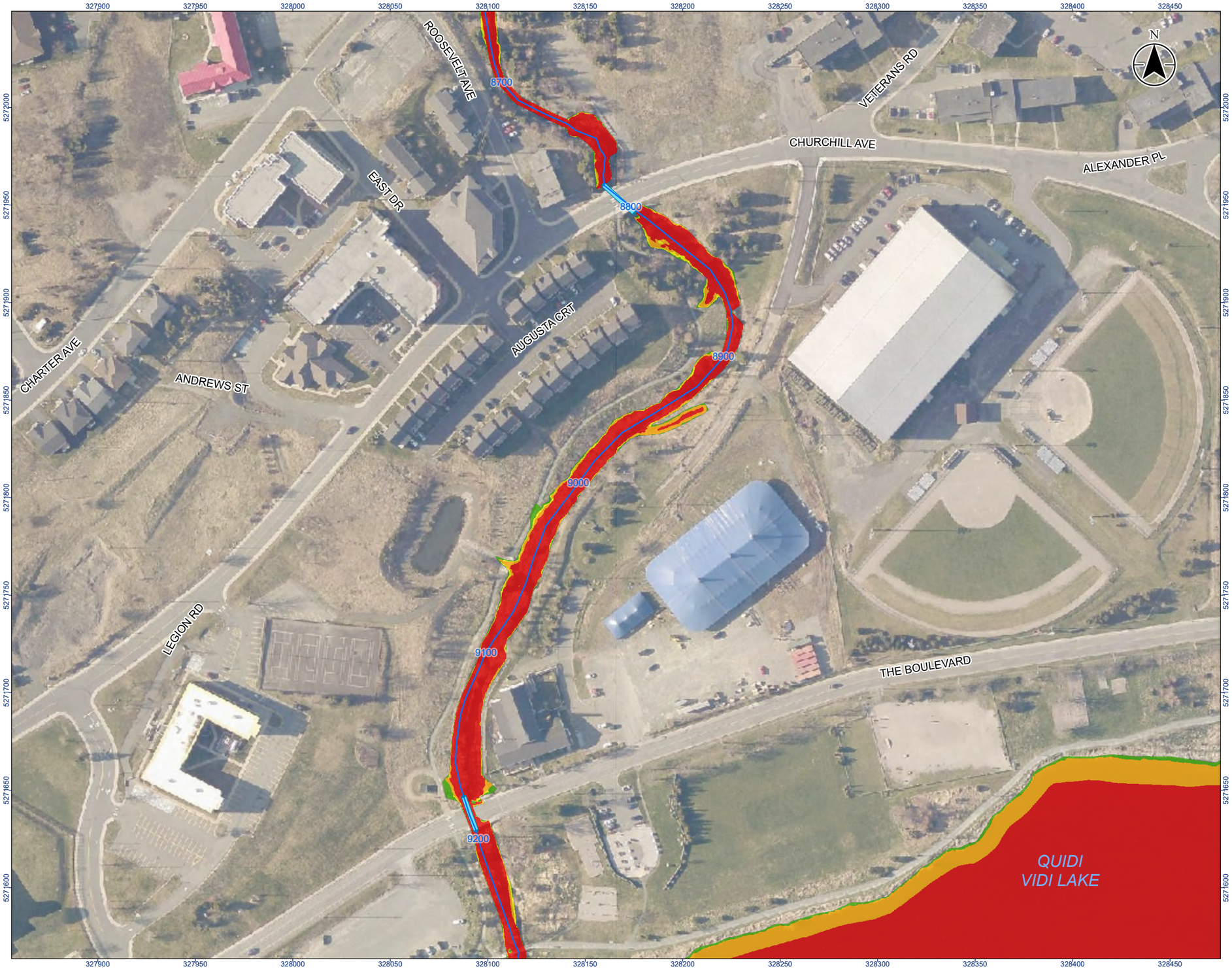
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
98-20

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 20 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang



Stantec

Legend

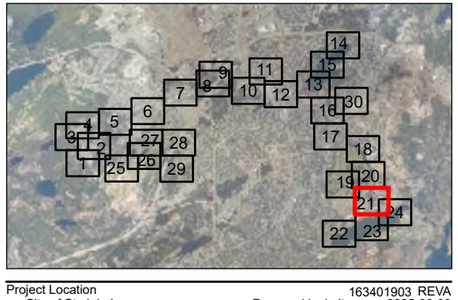
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



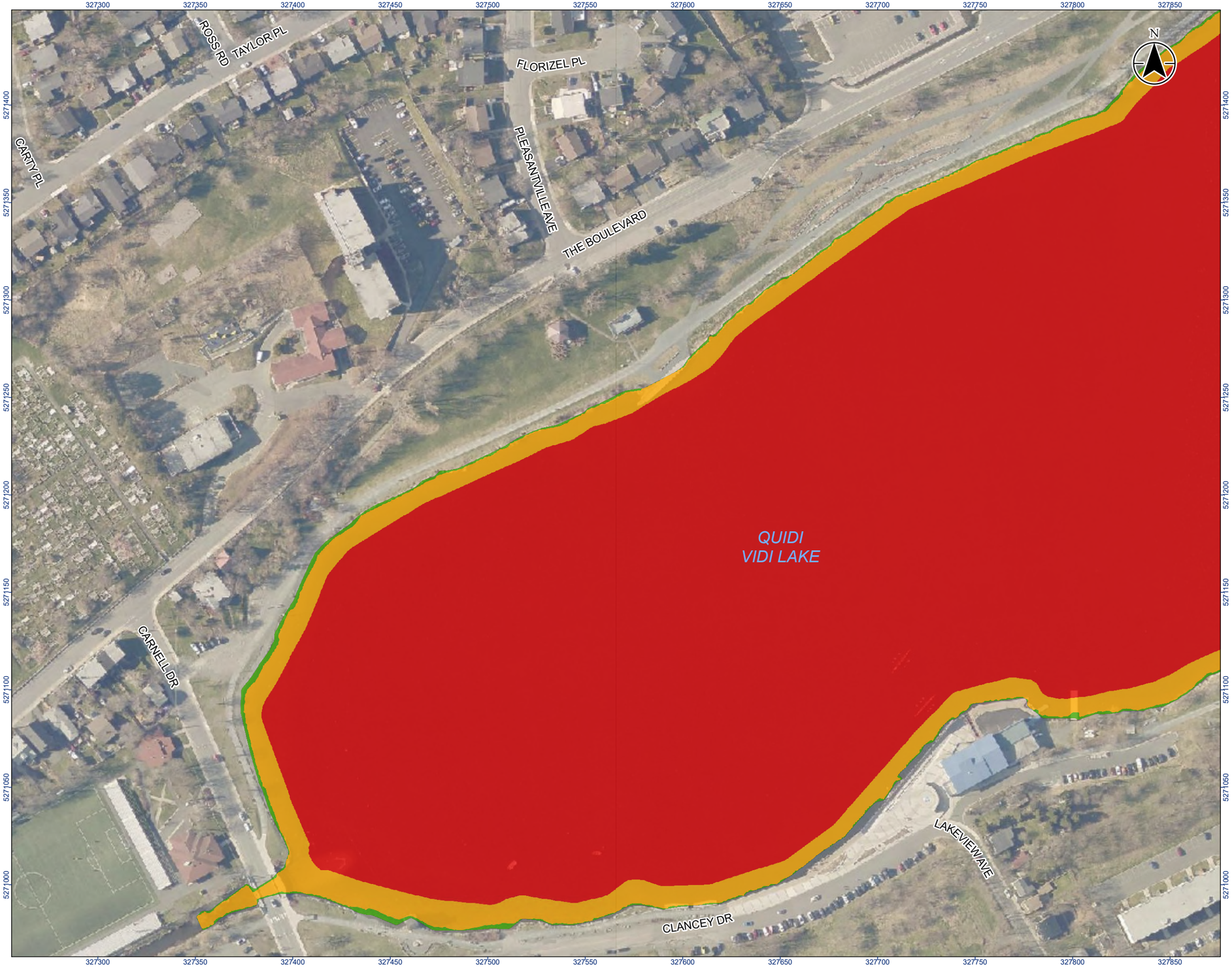
Project Location
City of St. John's

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.
98-21

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 21 of 30



Stantec

Legend

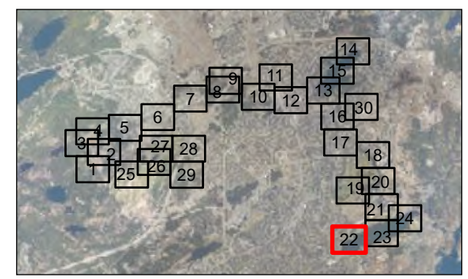
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



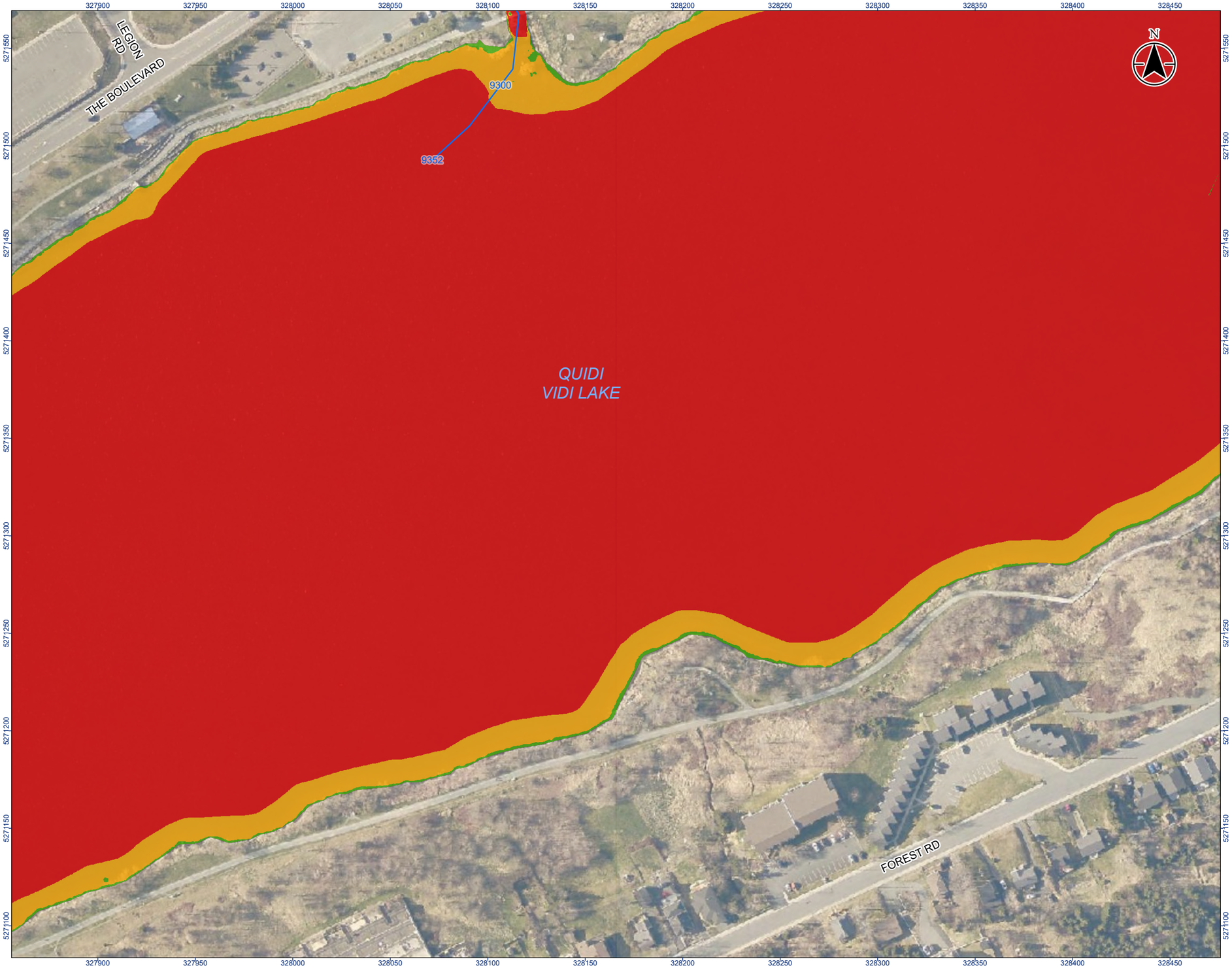
Project Location
City of St. John's

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.
98-22

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 22 of 30



Stantec

Legend

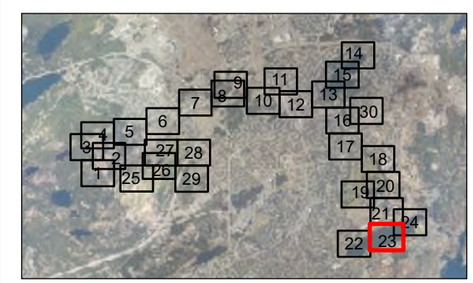
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

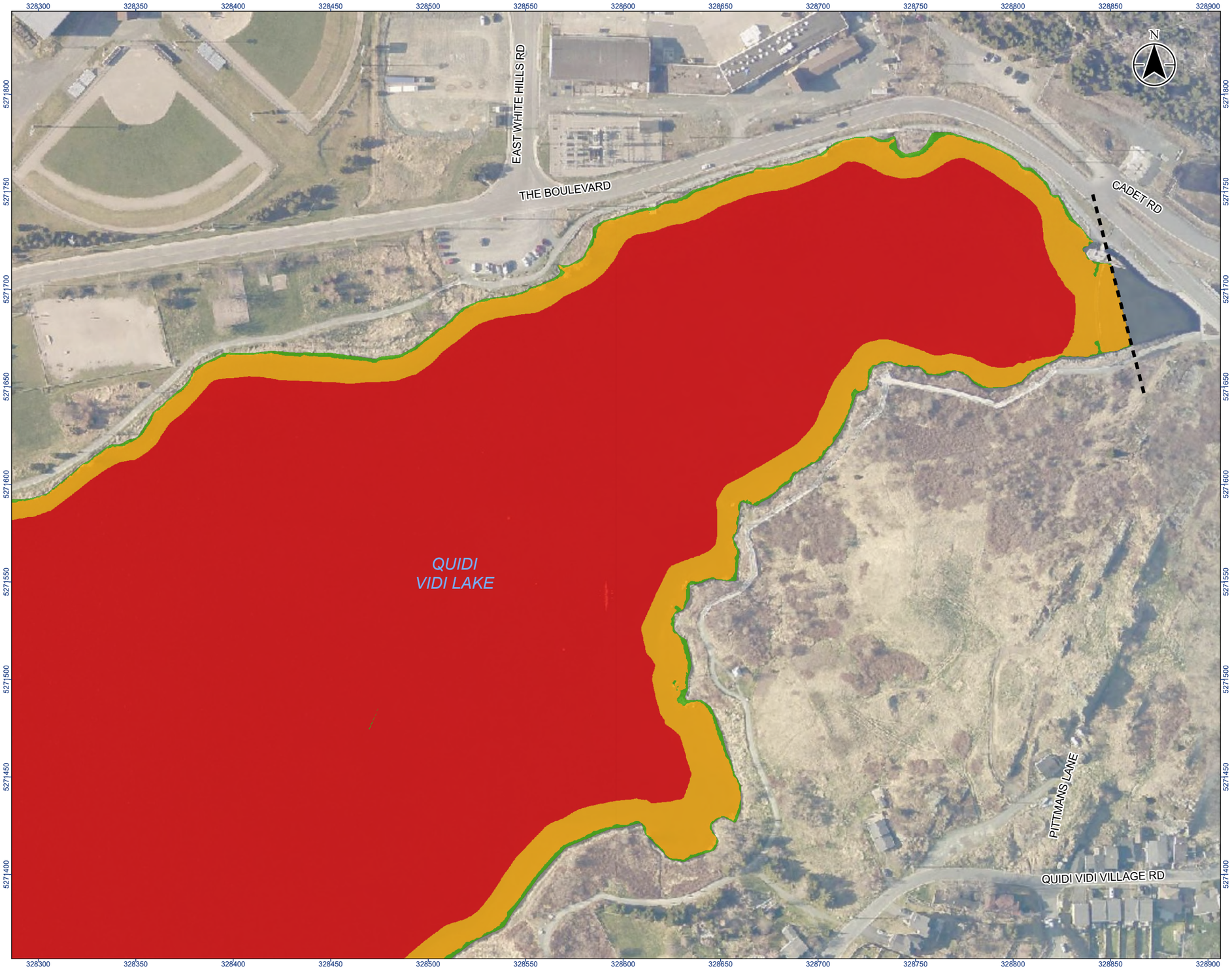
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
98-23

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 23 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang



Stantec

Legend

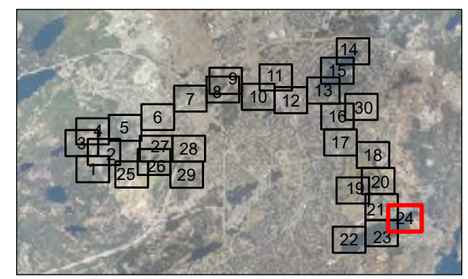
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

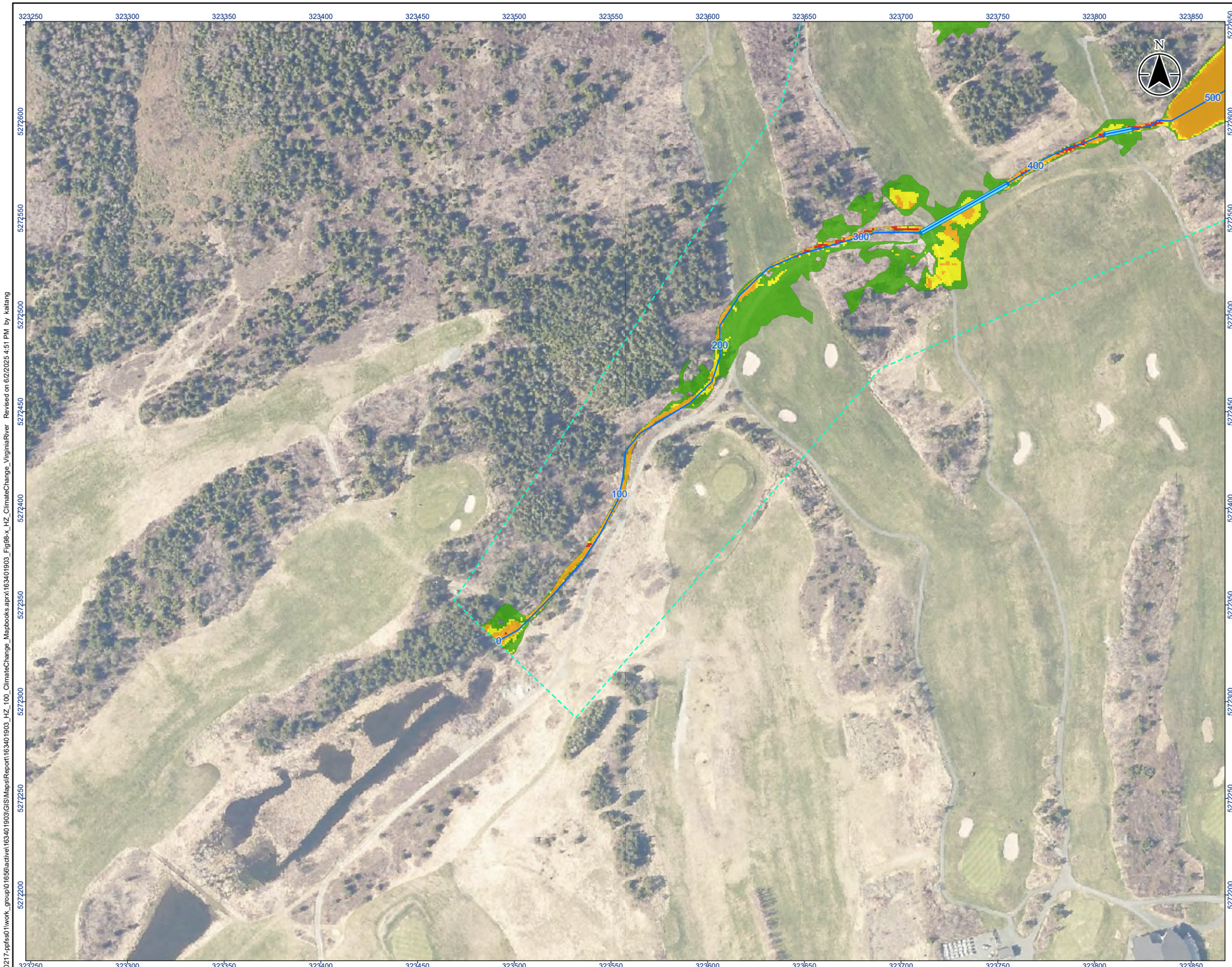
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
98-24

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 24 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang



Stantec

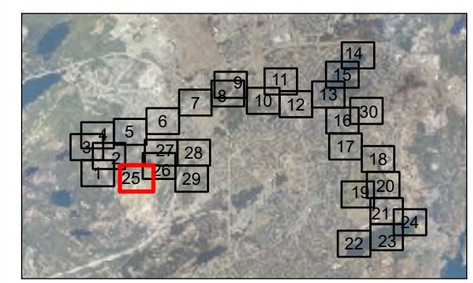
Legend

- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

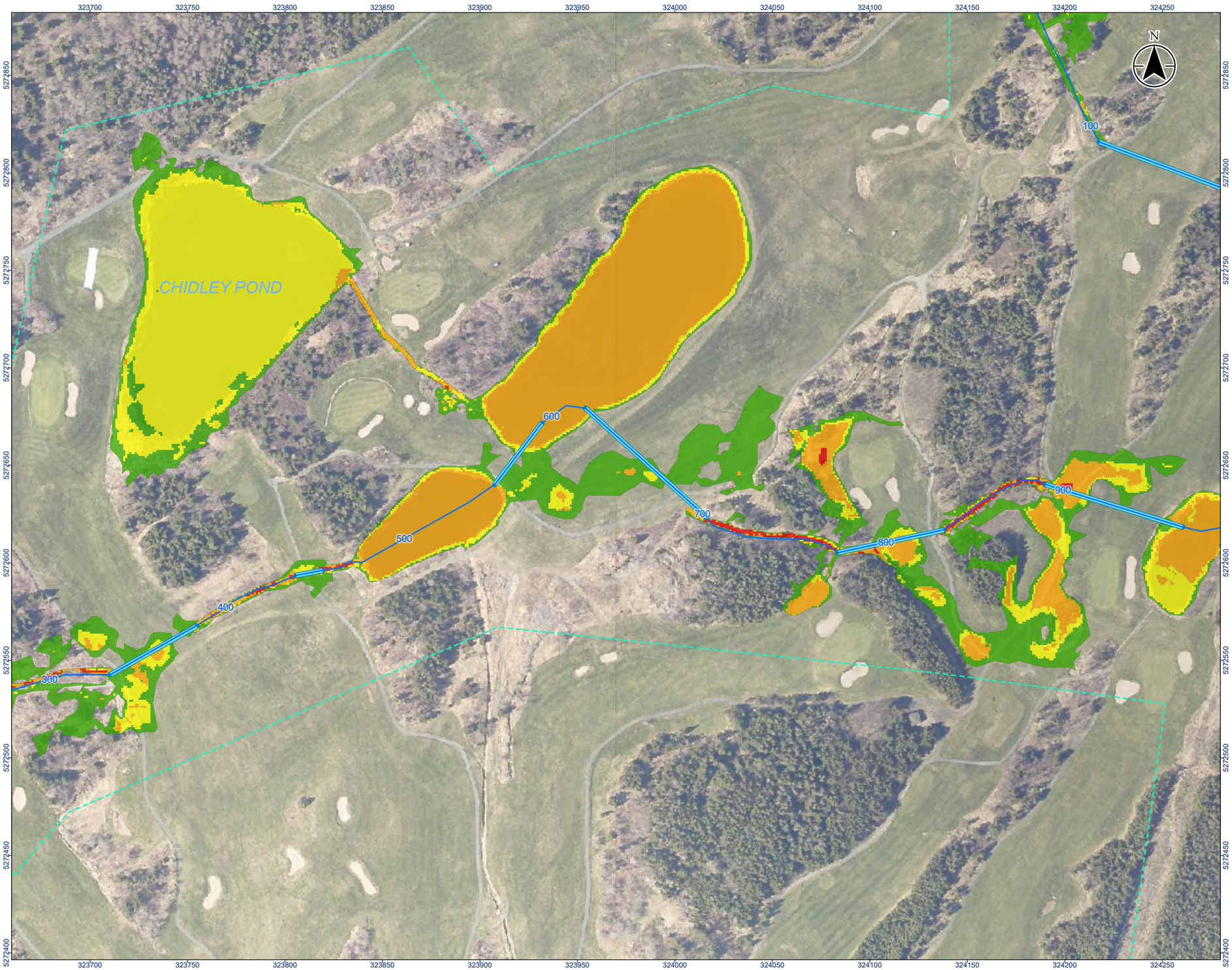
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
98-25

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 25 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang



Stantec

Legend

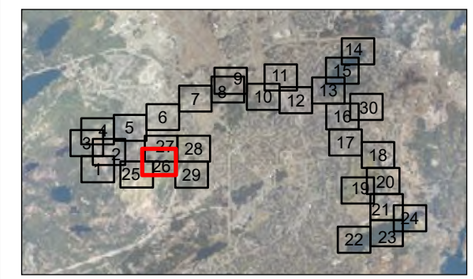
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

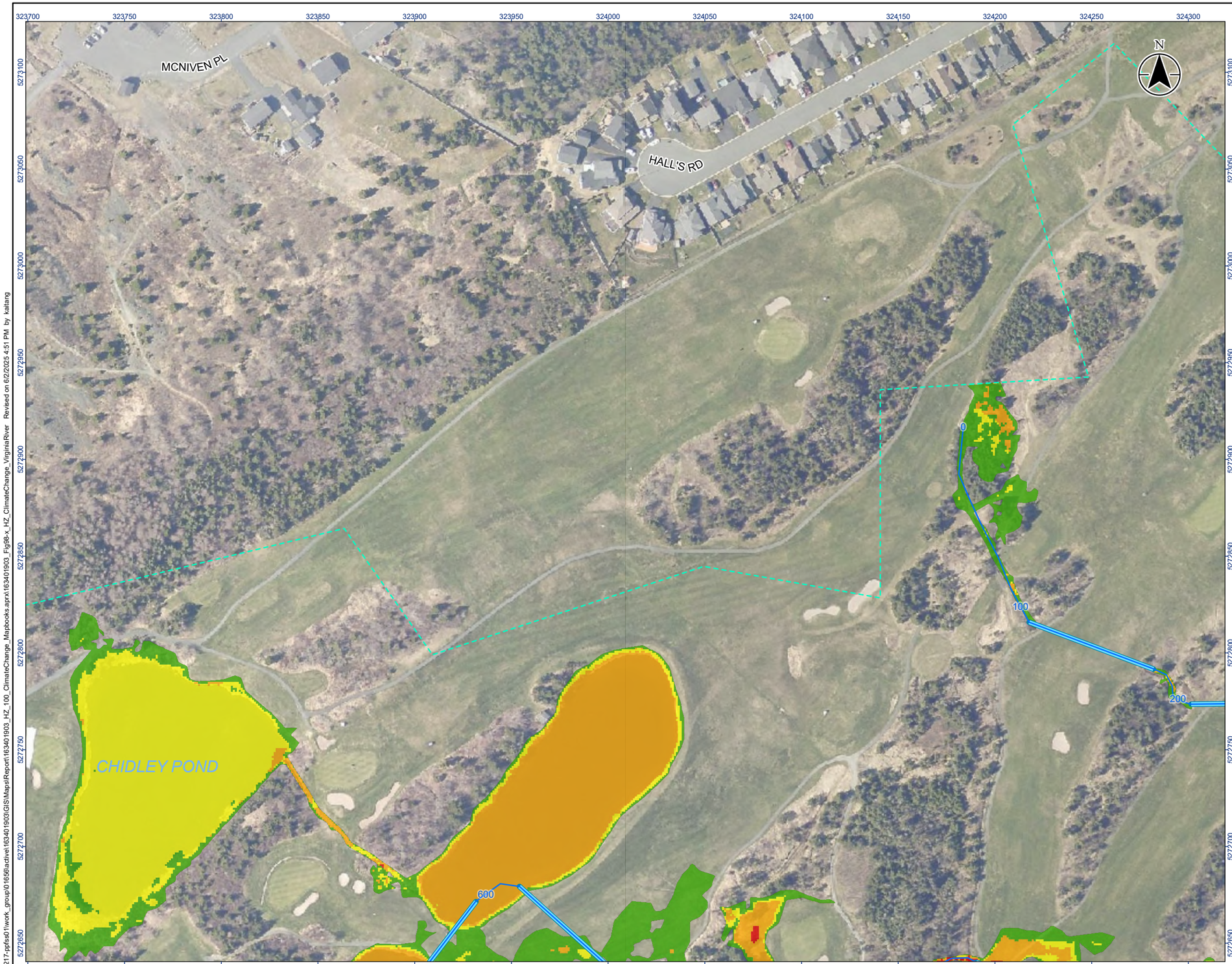
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
98-26

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 26 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang



Stantec

Legend

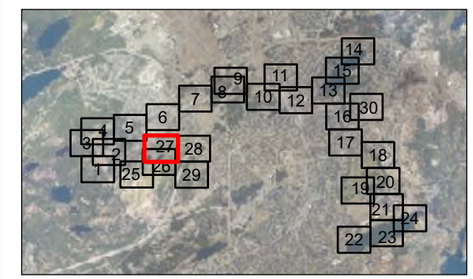
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

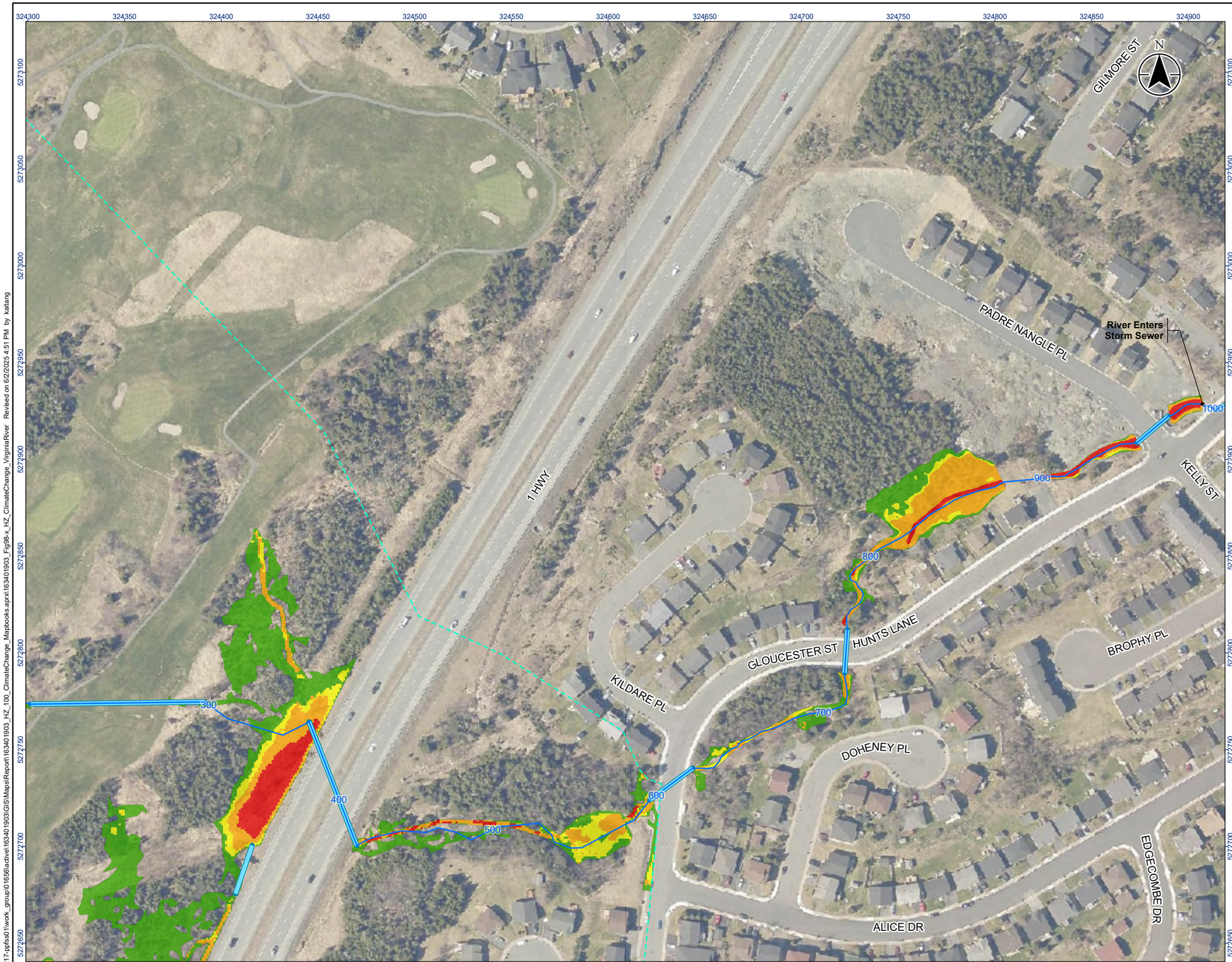
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
98-27

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 27 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang



Stantec

Legend

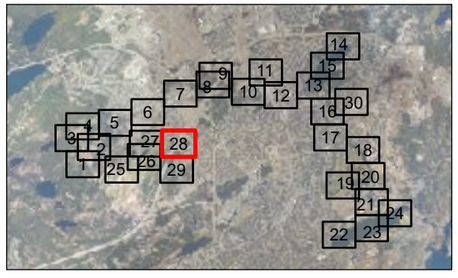
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



Project Location
City of St. John's

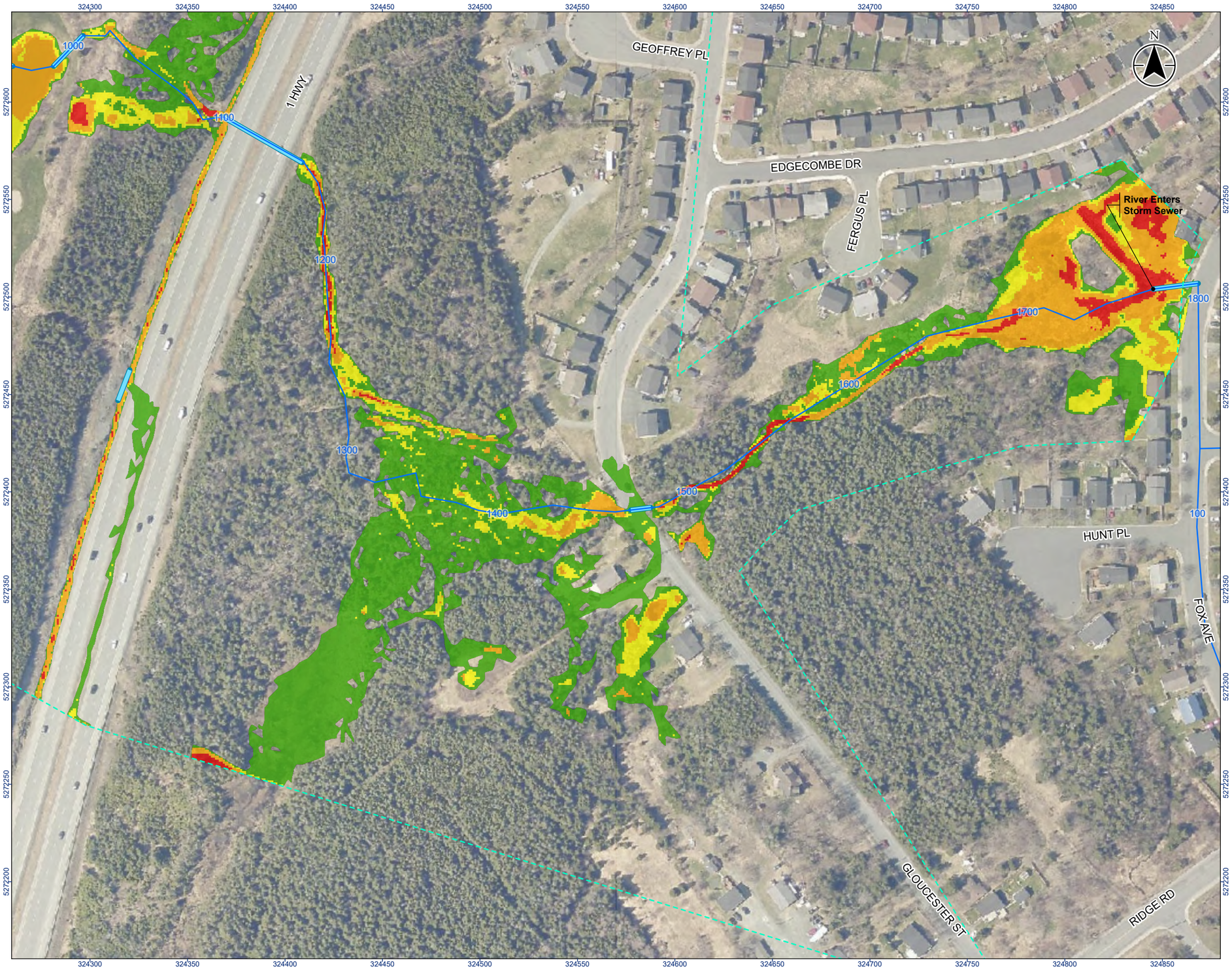
163401903 REVA
Prepared by kaitang on 2025-06-03

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

Figure No.
98-28

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 28 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang



Stantec

Legend

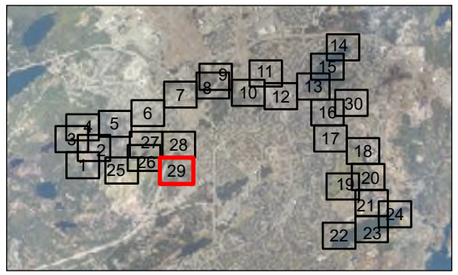
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling
- 100 Year Flood Risk - Low
- 100 Year Flood Risk - Moderate
- 100 Year Flood Risk - Significant
- 100 Year Flood Risk - Extreme

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
98-29

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 29 of 30

\\ca0217-ppfss01\work_group\01656\active\163401903\GIS\Maps\Report\163401903_HZ_100_ClimateChange_Mapbooks.aprx\163401903_Fig98-x_HZ_ClimateChange_VirginiaRiver Revised on 6/2/2025 4:51 PM by kaitang

Stantec

Legend

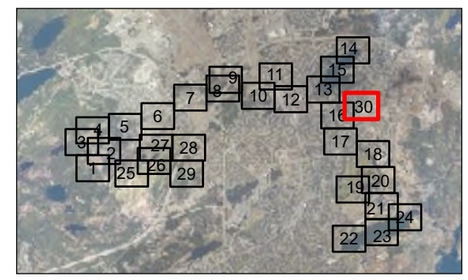
- River/Creek Centreline
- Modelled Culvert
- Limit of Mapping
- Limit of 2D Modelling

0 20 40 m

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

Notes

1. Coordinate System: NAD 1983 MTM zone 1
2. Topography shown was developed by Stantec from the HRDEM from Natural Resources Canada (NRCAN).
3. Contains information licensed under the Open Government Licence – Canada.
4. Orthoimagery is supplied by the Government of Newfoundland and Labrador.



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.
98-30

Title
Climate Change Condition
100-Year Hazard - Virginia River
Sheet 30 of 30