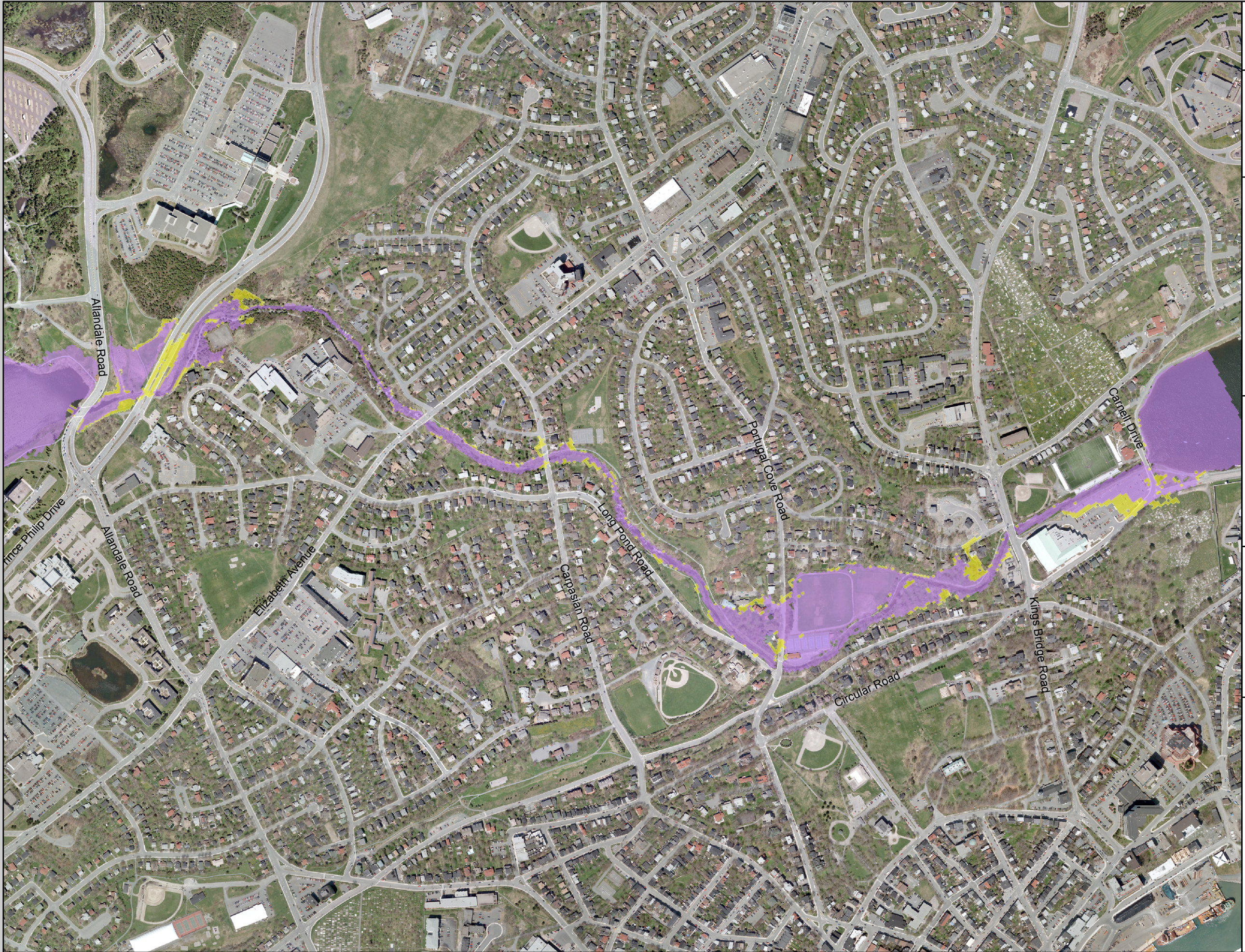




APPENDIX K

Breach Analysis – Floodplain, Inundation and Velocity Maps



**Long Pond Weir
Environmental Preview Report**

Legend

-  No Piping Failure
-  Piping Failure

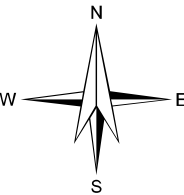
Drawing Title:

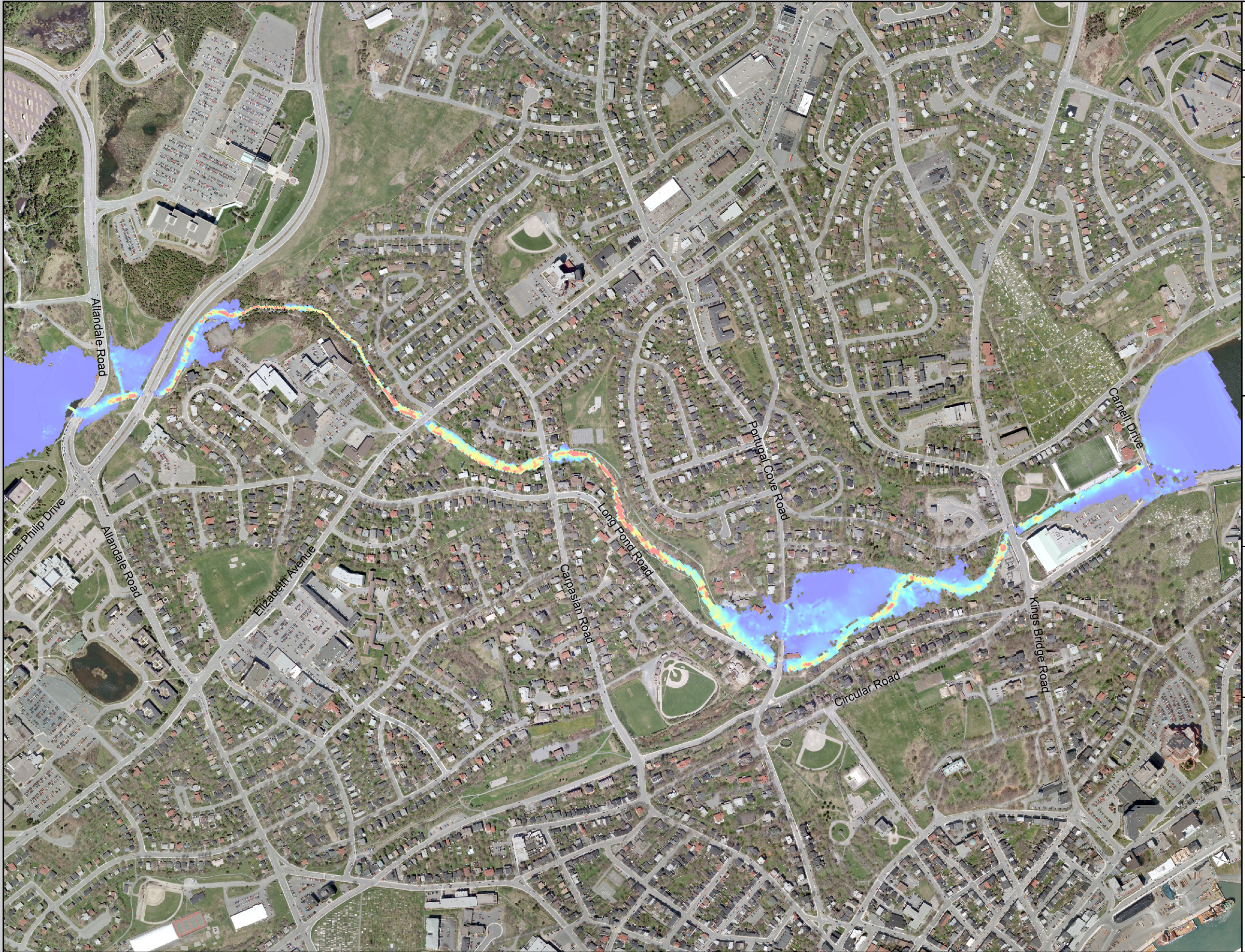
Weir Breach Assessment
Piping Failure vs. No Failure
Floodplain Delineation



CBCL LIMITED
Consulting Engineers

Coordinate System:
NAD_1983_MTM_1
Units: Metre
Scale: 1:7,500





**Long Pond Weir
Environmental Preview Report**

Legend

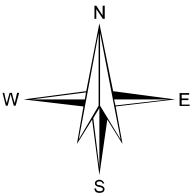
**No Piping
Failure Velocity
(m/s)**

High : 17.3
Low : 0

Drawing Title:
Weir Breach Assessment
No Piping Failure
Velocity Map



Coordinate System:
NAD_1983_MTM_1
Units:Metre
Scale:1:7,500

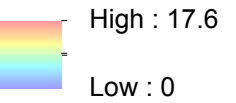




**Long Pond Weir
Environmental Preview Report**

Legend

**Piping Failure
Velocity (m/s)**



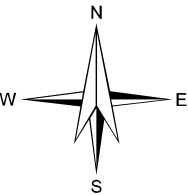
Drawing Title:

Weir Breach Assessment
Piping Failure
Velocity Map



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Coordinate System:
NAD_1983_MTM_1
Units:Metre
Scale:1:7,500





**Long Pond Weir
Environmental Preview Report**

Legend

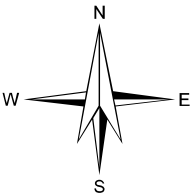
-  No Overtopping Failure
-  Overtopping Failure

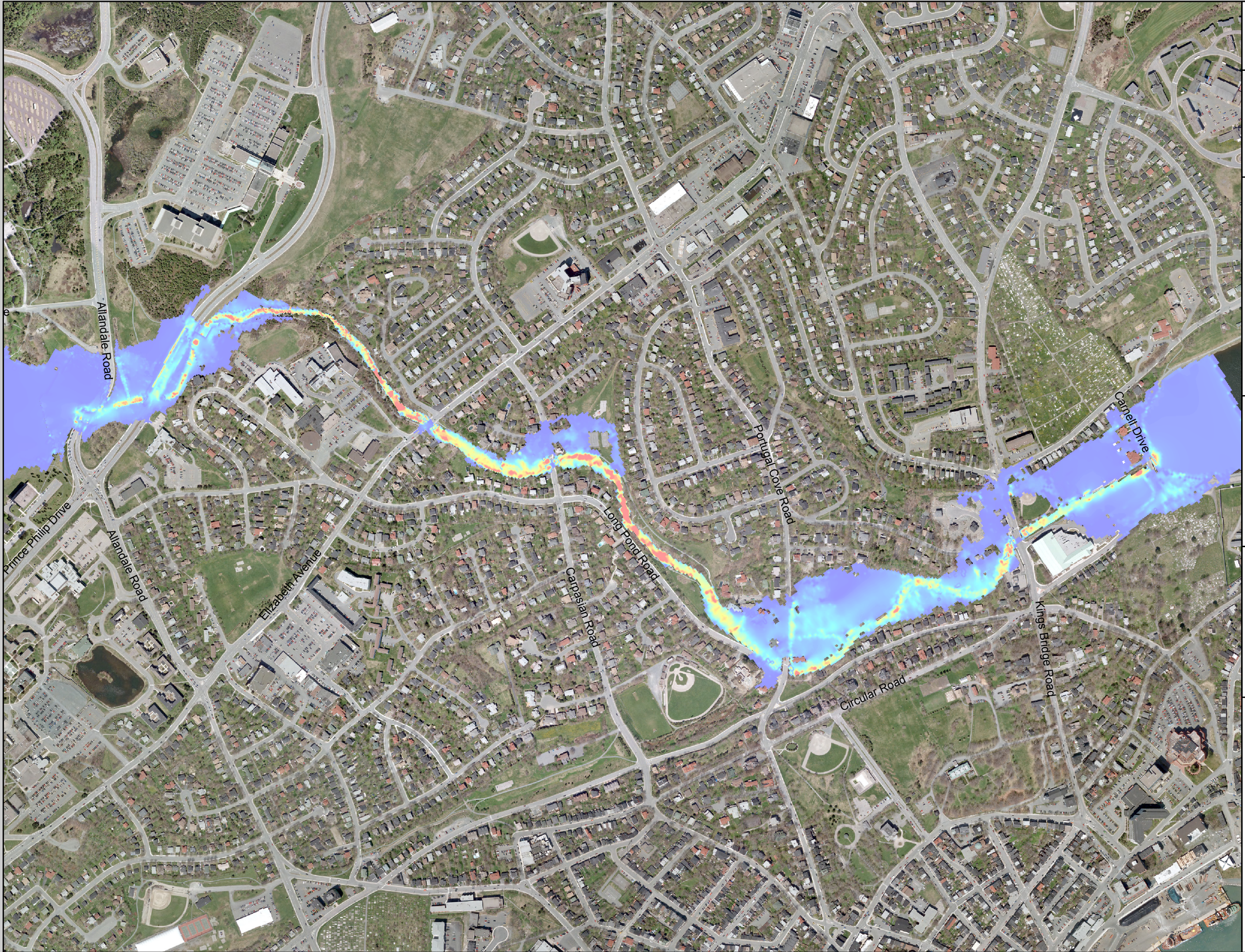
Drawing Title:

Weir Breach Assessment
Overtopping Failure vs. No Failure
Floodplain Delineation



Coordinate System:
NAD_1983_MTM_1
Units:Metre
Scale:1:7,500

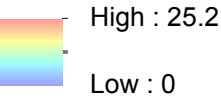




**Long Pond Weir
Environmental Preview Report**

Legend

**No Overtopping
Failure Velocity
(m/s)**

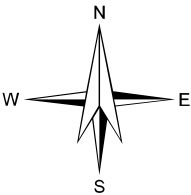


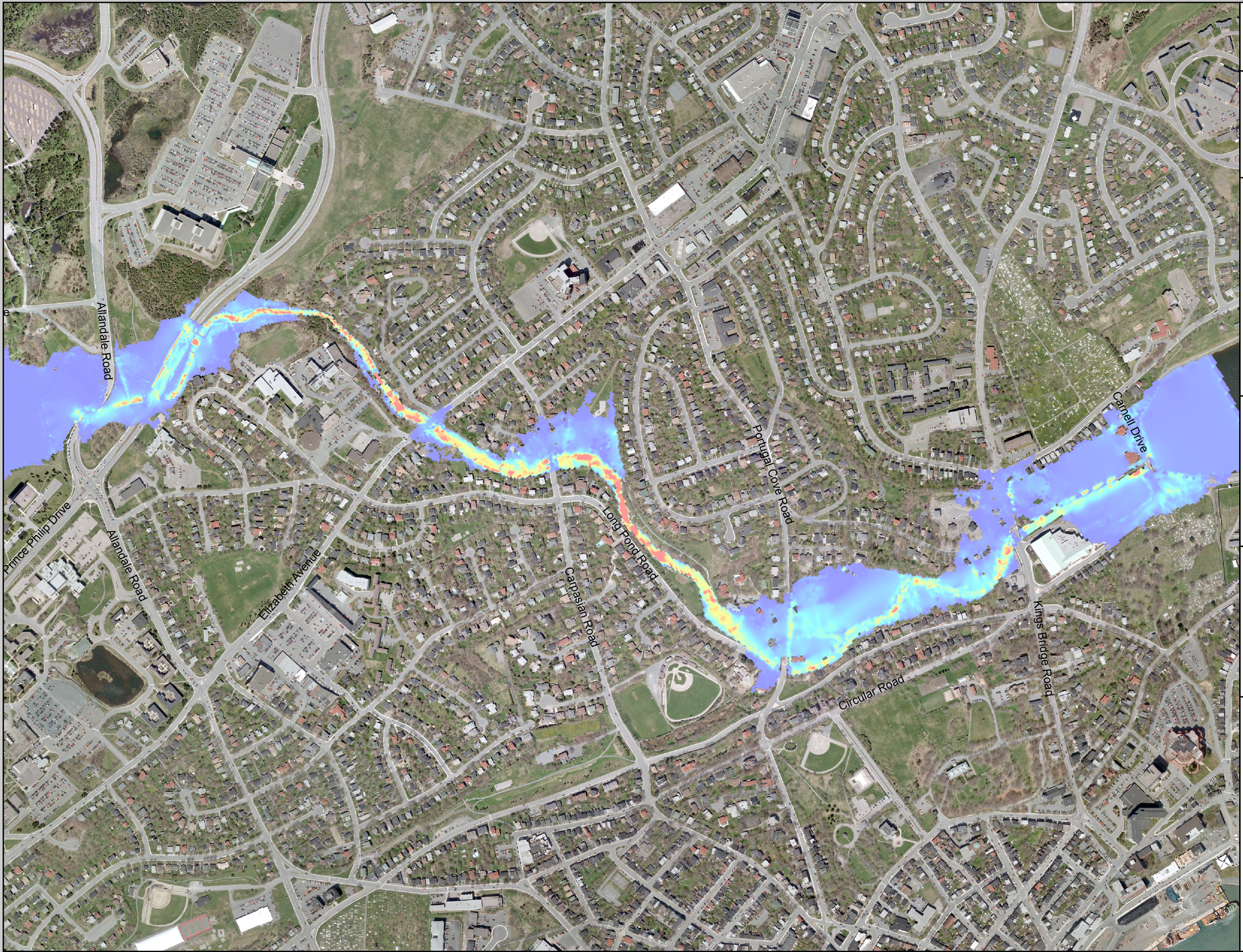
Drawing Title:
**Weir Breach Assessment
No Overtopping Failure
Velocity Map**



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Coordinate System:
NAD_1983_MTM_1
Units:Metre
Scale:1:7,500

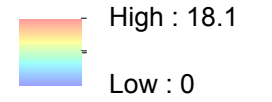




**Long Pond Weir
Environmental Preview Report**

Legend

**Overtopping
Failure Velocity
(m/s)**



Drawing Title:

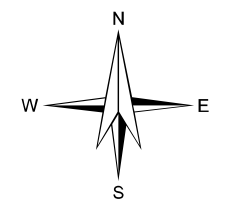
Weir Breach Assessment
Overtopping Failure
Velocity Map



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Consulting Engineers

Coordinate System:
NAD_1983_MTM_1
Units: Metre
Scale: 1:7,500





**Long Pond Weir
Environmental Preview Report**

Legend

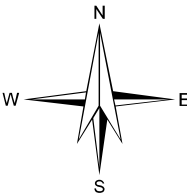
**Piping Failure
Depth (m)**

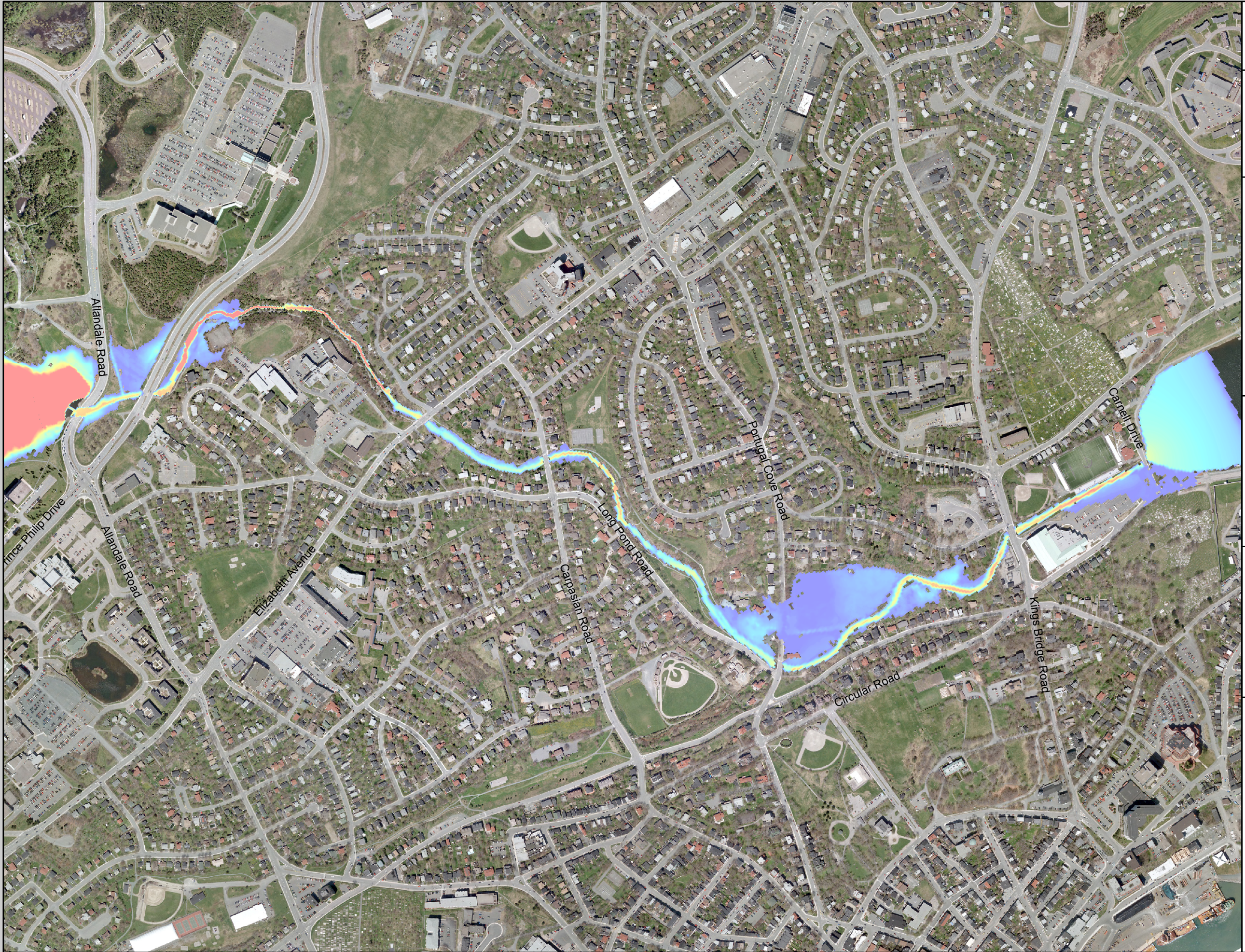
High : 5.63
Low : 0

Drawing Title:
Weir Breach Assessment
Piping Failure
Depth Map



Coordinate System:
NAD_1983_MTM_1
Units:Metre
Scale:1:7,500

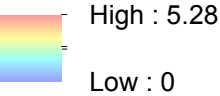




**Long Pond Weir
Environmental Preview Report**

Legend

**No Piping
Failure Depth
(m)**

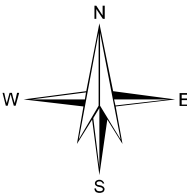


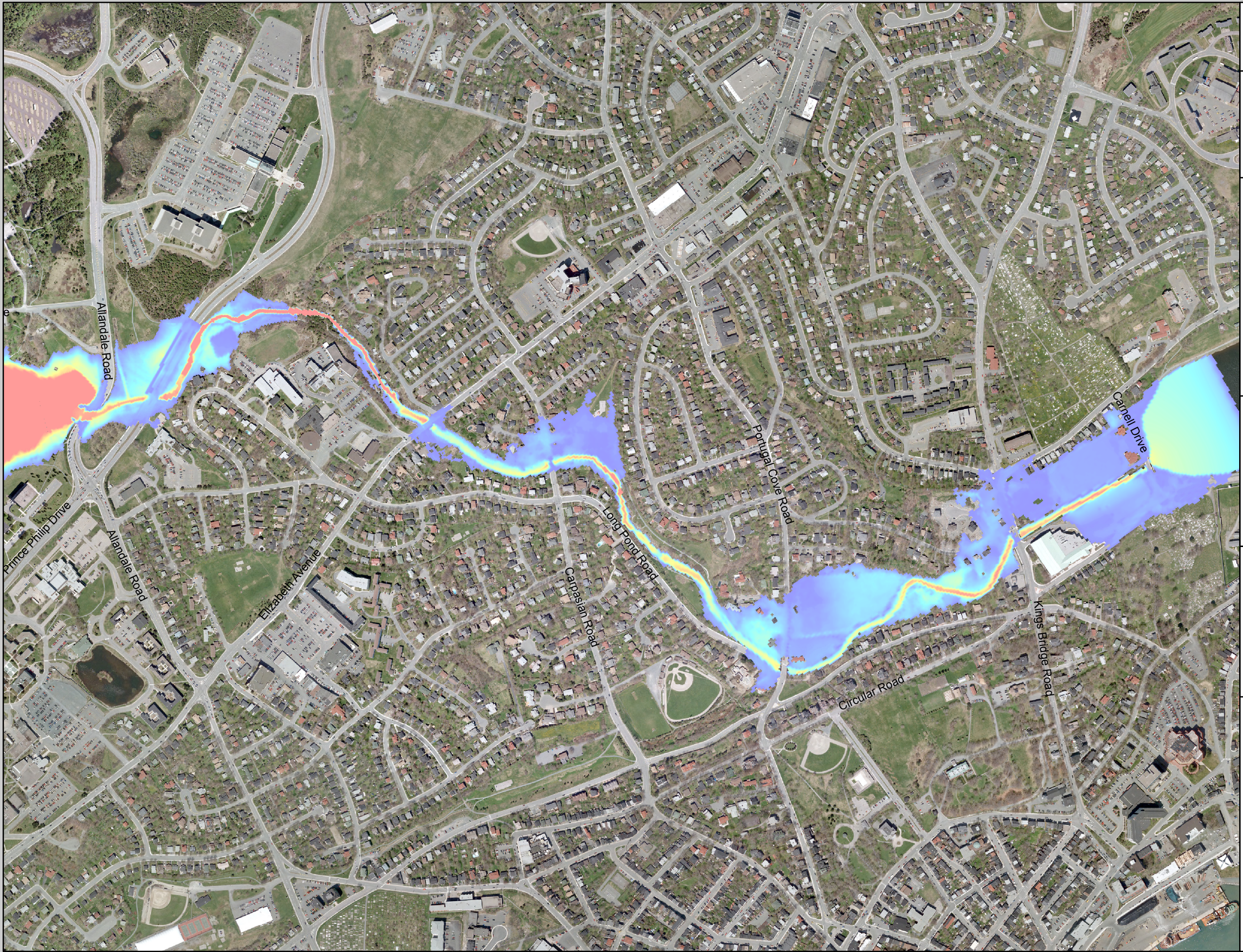
Drawing Title:
Weir Breach Assessment
No Piping Failure
Depth Map



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Coordinate System:
NAD_1983_MTM_1
Units:Metre
Scale:1:7,500

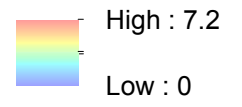




**Long Pond Weir
Environmental Preview Report**

Legend

**Overtopping
Failure Depth
(m)**



Drawing Title:

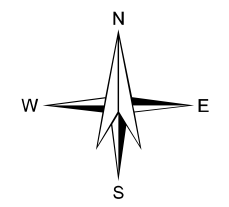
Weir Breach Assessment
Overtopping Failure
Depth Map



CBCL LIMITED

Consulting Engineers

Coordinate System:
NAD_1983_MTM_1
Units: Metre
Scale: 1:7,500

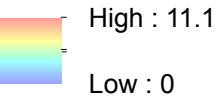




**Long Pond Weir
Environmental Preview Report**

Legend

**No Overtopping
Breach Depth
(m)**



Drawing Title:
Weir Breach Assessment
No Overtopping Failure
Depth Map



Coordinate System:
NAD_1983_MTM_1
Units:Metre
Scale:1:7,500

