

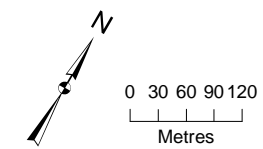


# Figures





Stage 2 Study Boundary



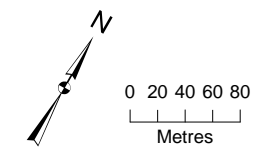
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 1  
 Port Lands Study Area  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





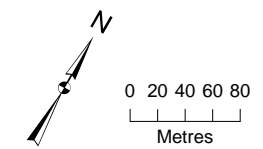
- Address Points (From City Toronto Website)
- Existing Building
- Heritage Building
- Stage 2 Study Boundary
- Current Land Use
- Road
- Industrial/Commercial



Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 2  
 Current Land Use  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario



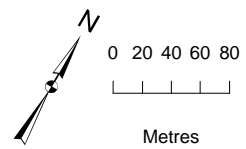
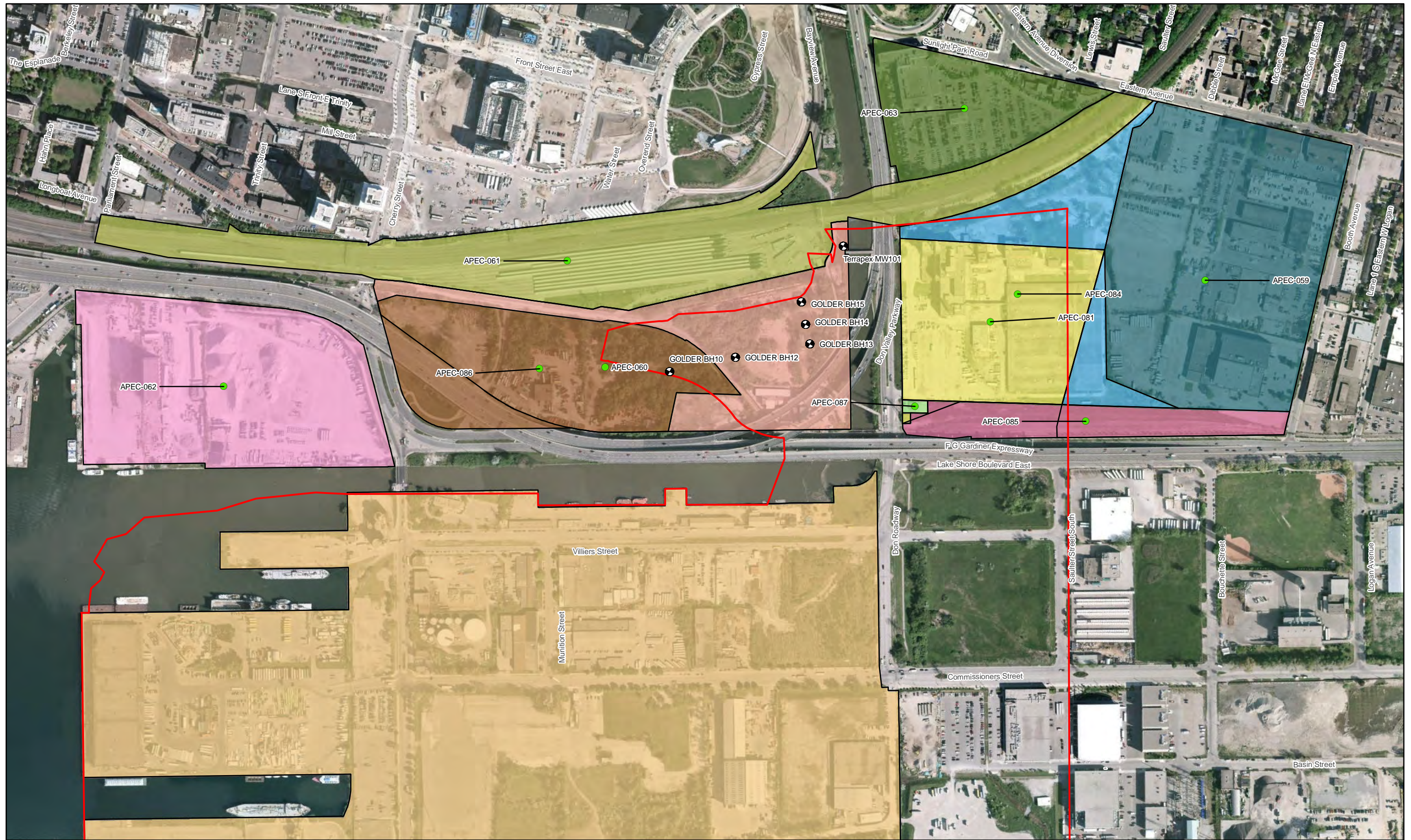


- |   |   |  |  |
|---|---|--|--|
| <span style="border: 1px solid red; display: inline-block; width: 10px; height: 10px;"></span> Stage 2 Study Boundary | <span style="background-color: #e6e6fa; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Assumed Light Industrial      | <span style="background-color: #ffa500; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Catalytic Use                            | <span style="background-color: #808080; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Roads            |
| <span style="border: 1px dashed orange; display: inline-block; width: 10px; height: 10px;"></span> Heritage Building  | <span style="background-color: #800080; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Commercial/Community Facility | <span style="background-color: #00b0f0; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Employment/Commercial/Heritage Structure | <span style="background-color: #d3d3d3; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Developed Area   |
|   | <span style="background-color: #00b0f0; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Employment/Commercial         | <span style="background-color: #90ee90; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Parkland                                 | <span style="background-color: #e0e0e0; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Road Area Above  |
|   | <span style="background-color: #ffff00; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Residential                   | <span style="background-color: #90ee90; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Parkland/Heritage Structure              | <span style="background-color: #008000; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Naturalized Area |
|   | <span style="background-color: #800080; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Community Facility            |  |  |

Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 3  
 Future Land Use  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario



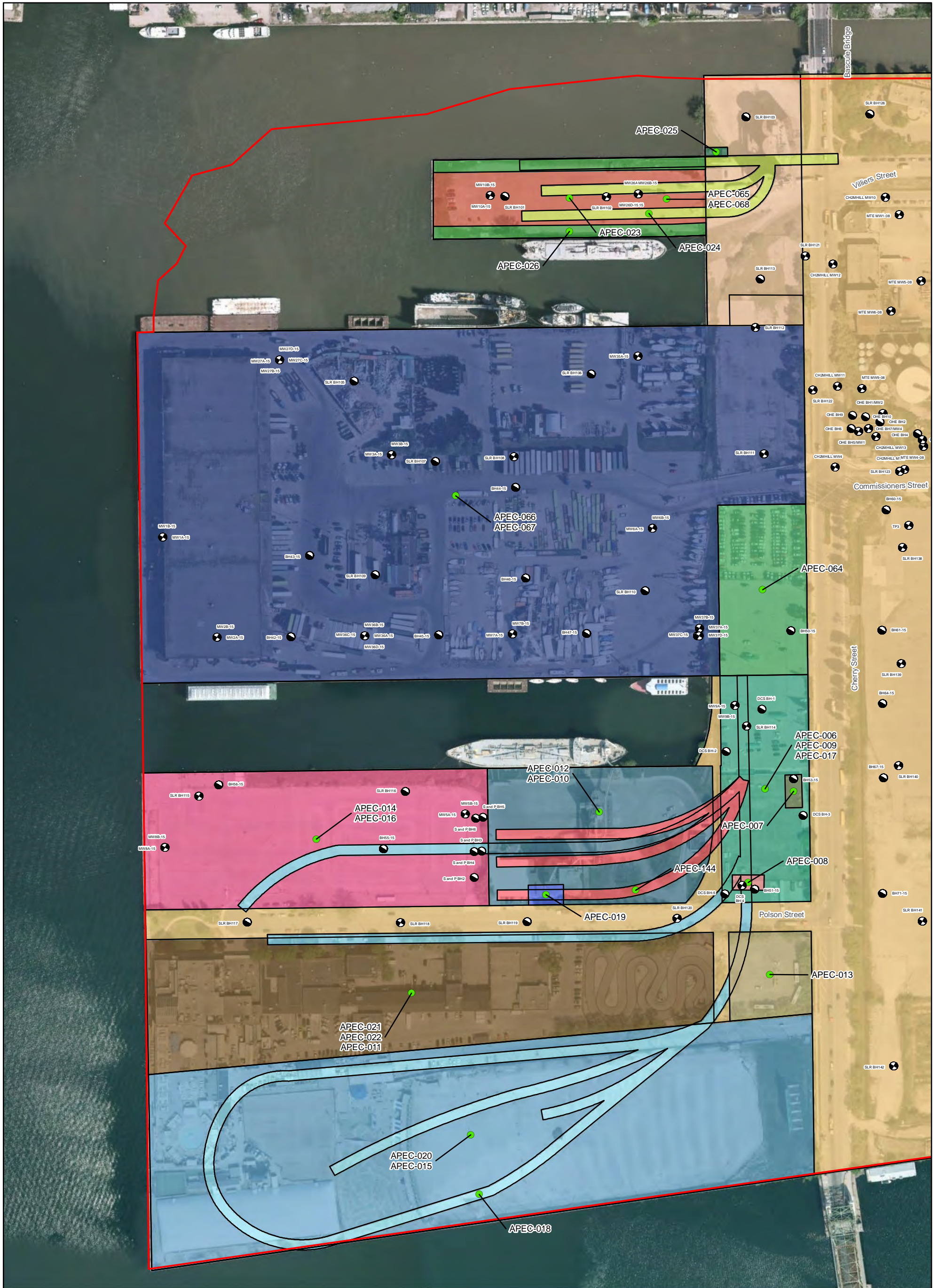


- Soil Sample
- Soil and Groundwater Sample
- PCA
- APEC
- Stage 2 Study Boundary

Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. APECs identified onsite are shown for context and are upgradient PCAs that result in an APEC at the property boundary

Figure 4A  
 Areas of Potential Environmental Concern and Sampling Locations- North  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario

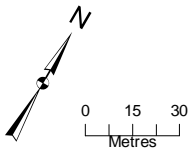




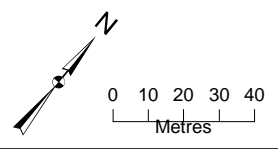
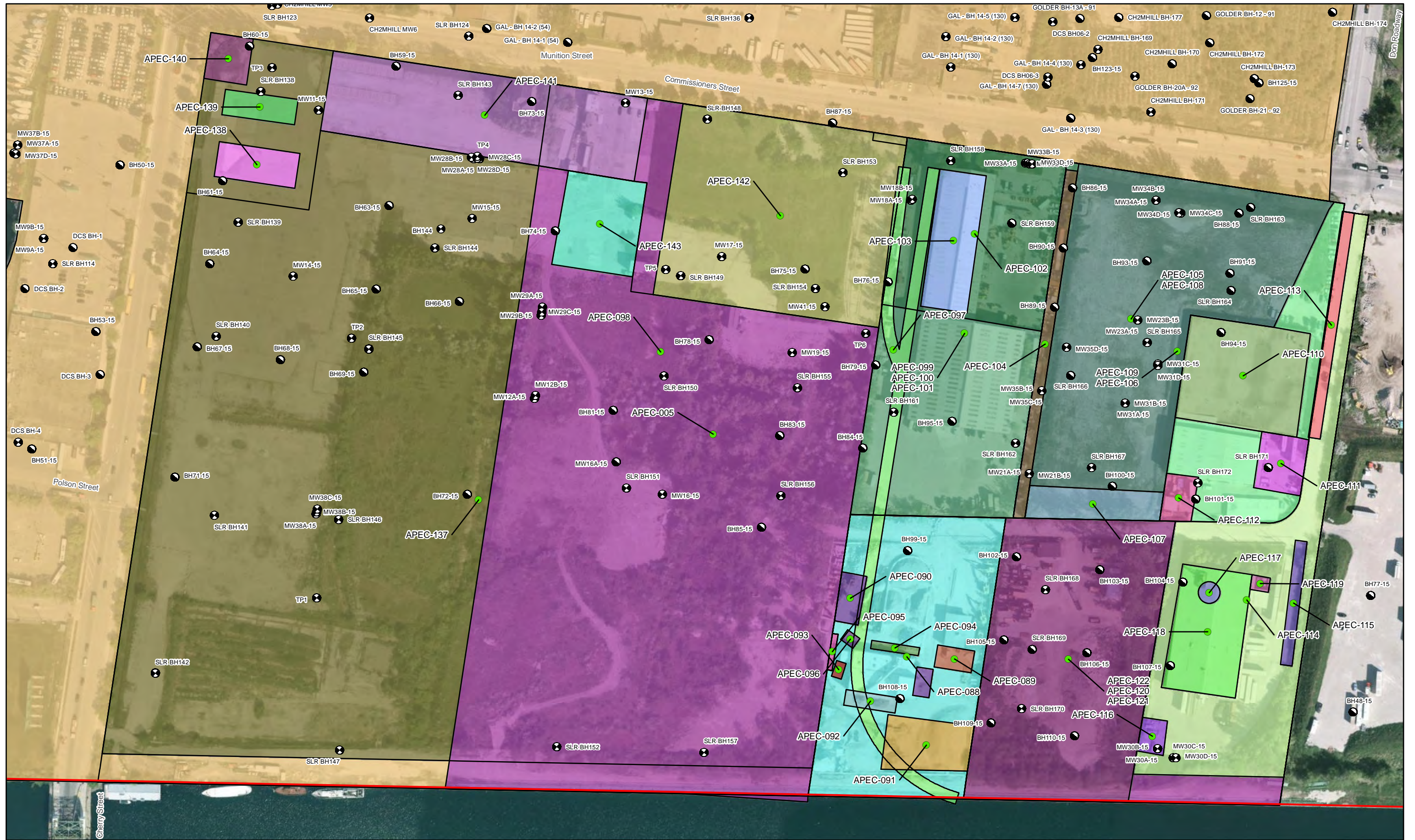
- Soil Sample
- Soil and Groundwater Sample
- PCA
- APEC
- Stage 2 Study Boundary

Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 4B  
 Areas of Potential Environmental Concern and Sampling Locations- West  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





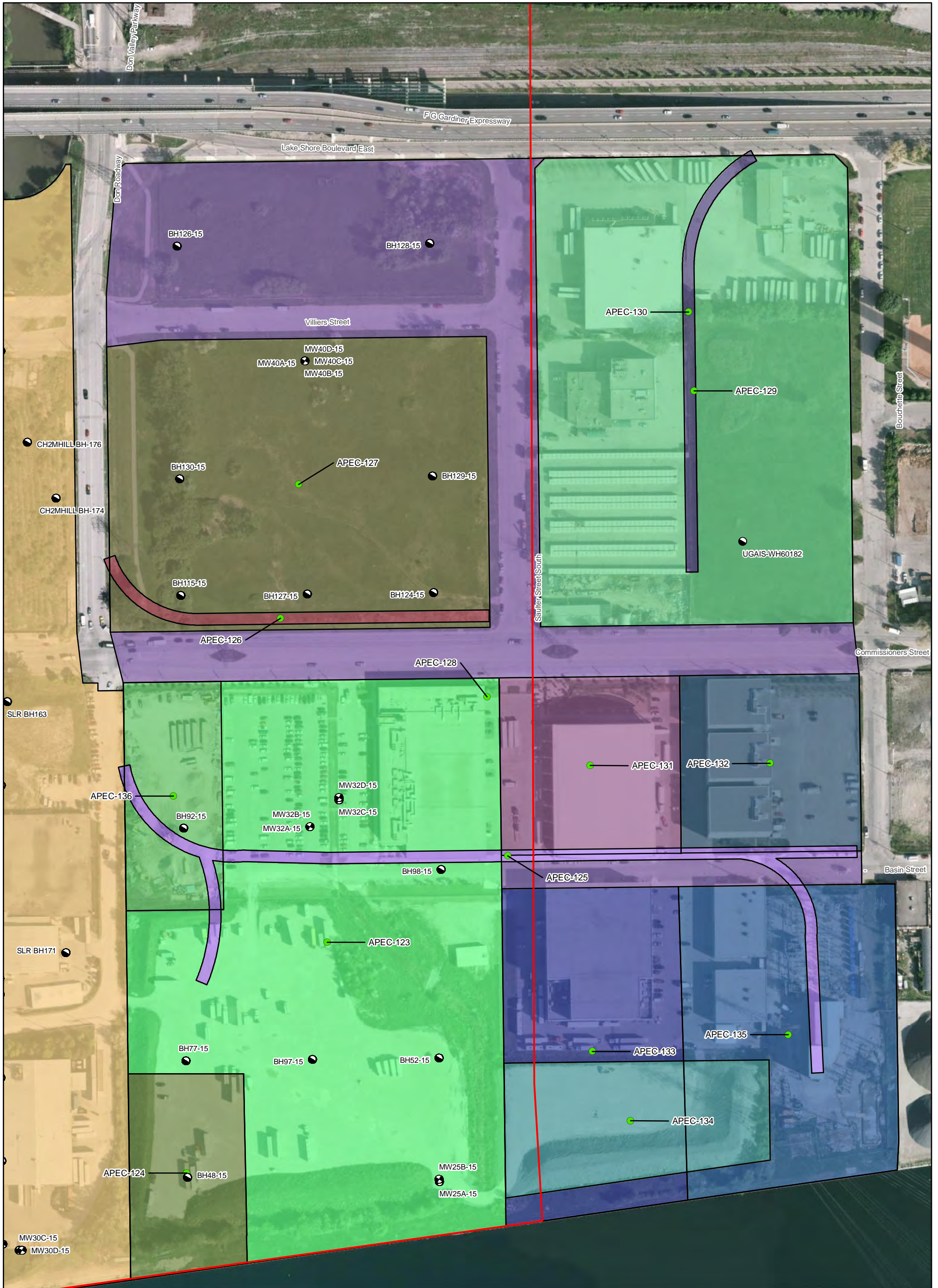


- Soil Sample
- Soil and Groundwater Sample
- PCA
- APEC
- ▭ Stage 2 Study Boundary

Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 4C  
 Areas of Potential Environmental Concern and Sampling Locations- South Environmental Assessment and Geotechnical and Earthworks Report  
 Waterloo Toronto  
 Toronto, Ontario



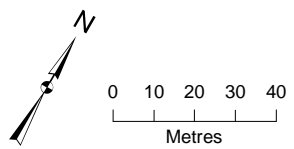


- Soil Sample
- Soil and Groundwater Sample
- PCA
- APEC
- Stage 2 Study Boundary

Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 4D  
 Areas of Potential Environmental Concern and Sampling Locations- East  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario



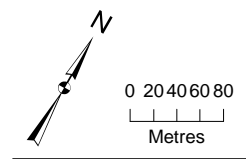
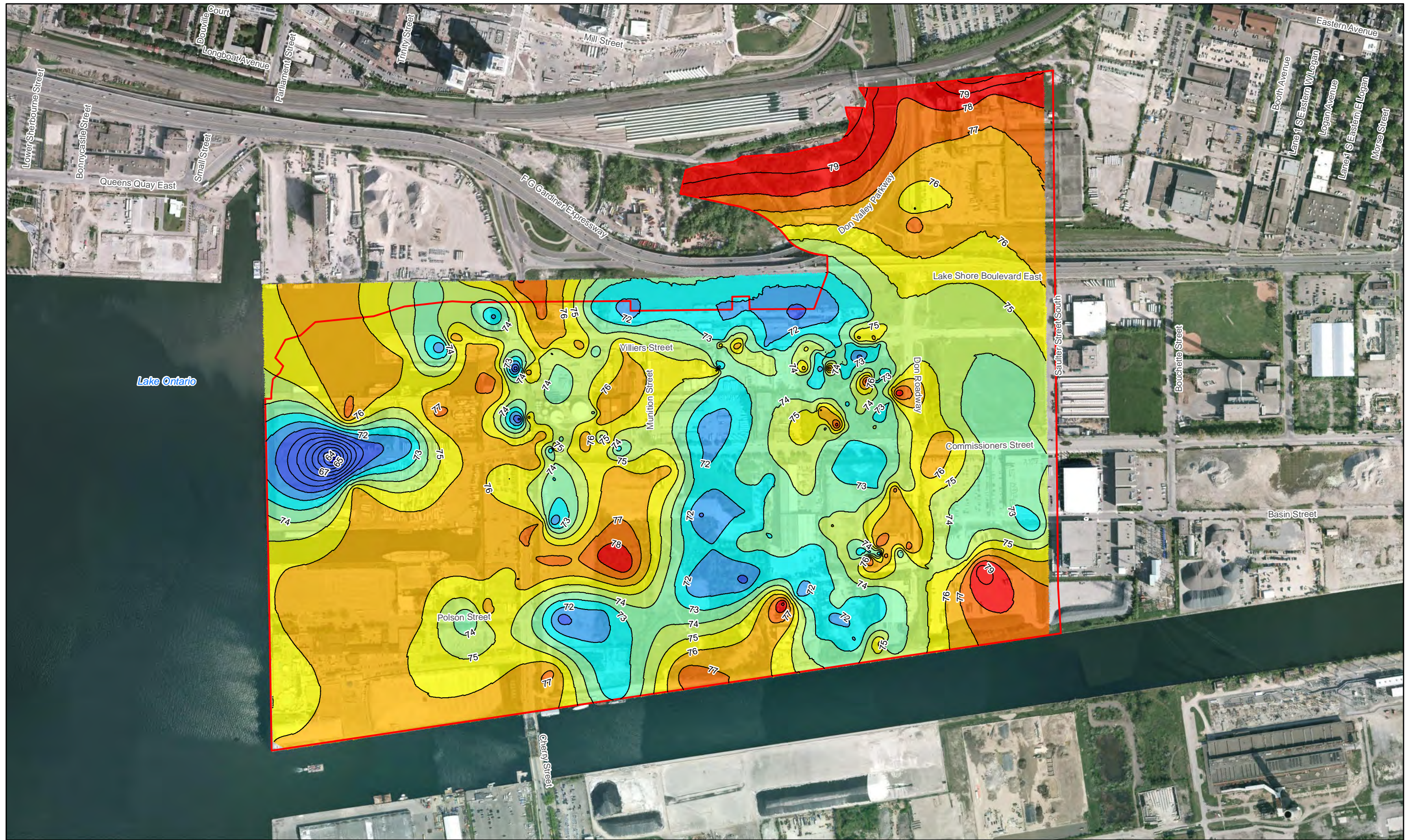


- Soil Sample
- ⊕ Soil and Groundwater Sample
- APEC
- Stage 2 Study Boundary

Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 4E  
 Areas of Potential Environmental Concern and Sampling Locations- Central Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario



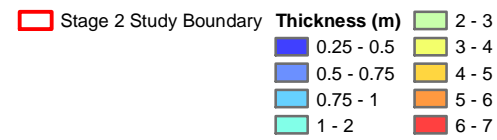
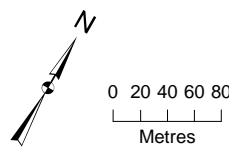
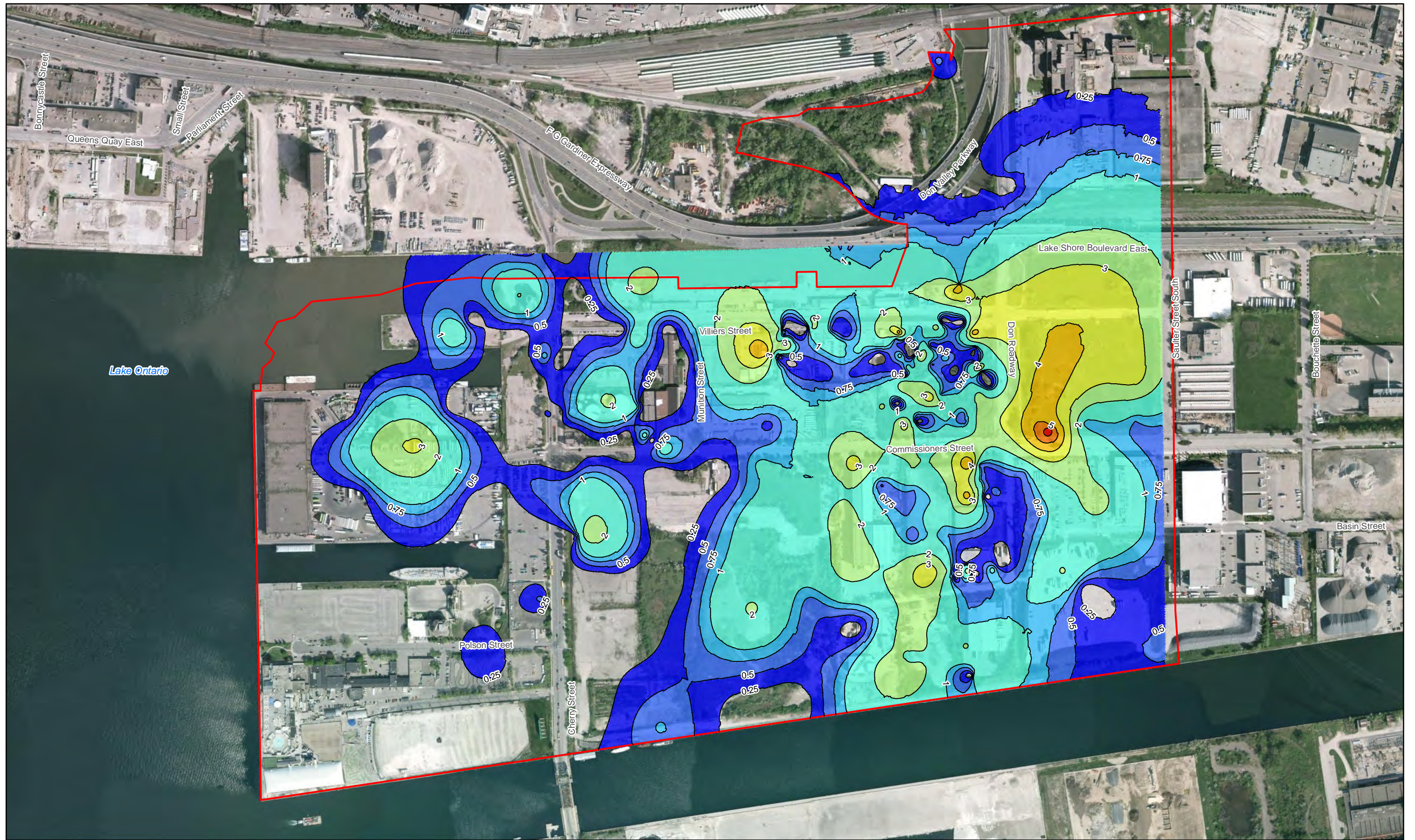


Stage 2 Study Boundary		Elevation (masl)	
[Red outline]		[Blue]	< 64
		[Light Blue]	64 - 71
		[Cyan]	72
		[Light Green]	73
		[Yellow-Green]	74
		[Yellow]	75
		[Orange]	76
		[Red-Orange]	77
		[Red]	78
		[Dark Red]	79 - 82

Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Elevations are in metres above sea level.

Figure 5  
 Organic Layer Surface Elevation  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario

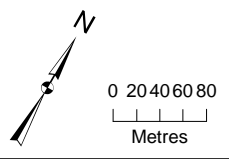
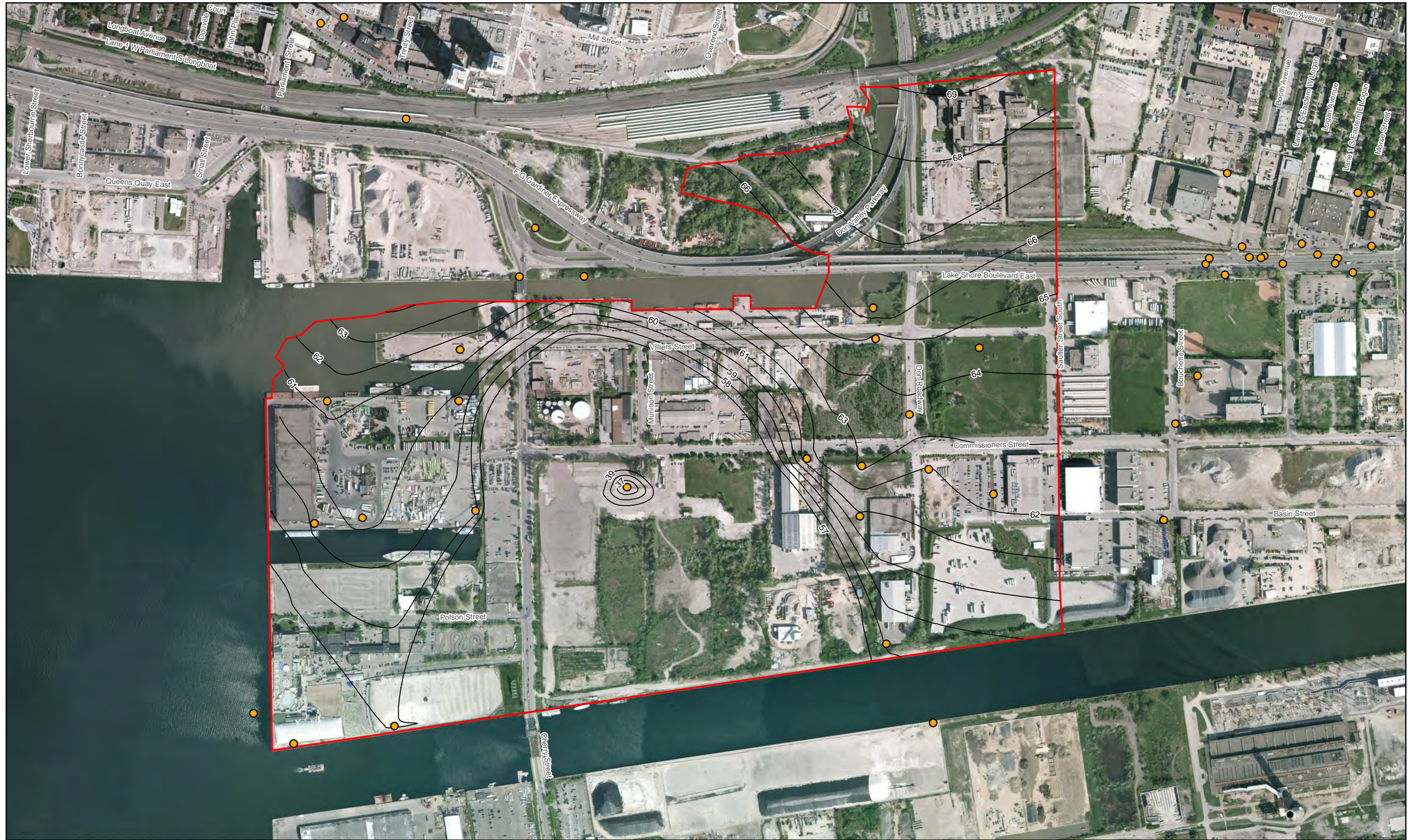




Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 6  
 Organic Layer Thickness  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario







- Stage 2 Study Boundary
- Investigation Location with Bedrock Elevation Information Used in Bedrock Interpretation
- Interpreted Top of Bedrock Elevation Contour

Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Elevations are in metres above sea level.

Figure 7  
 Bedrock Surface Elevation  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario



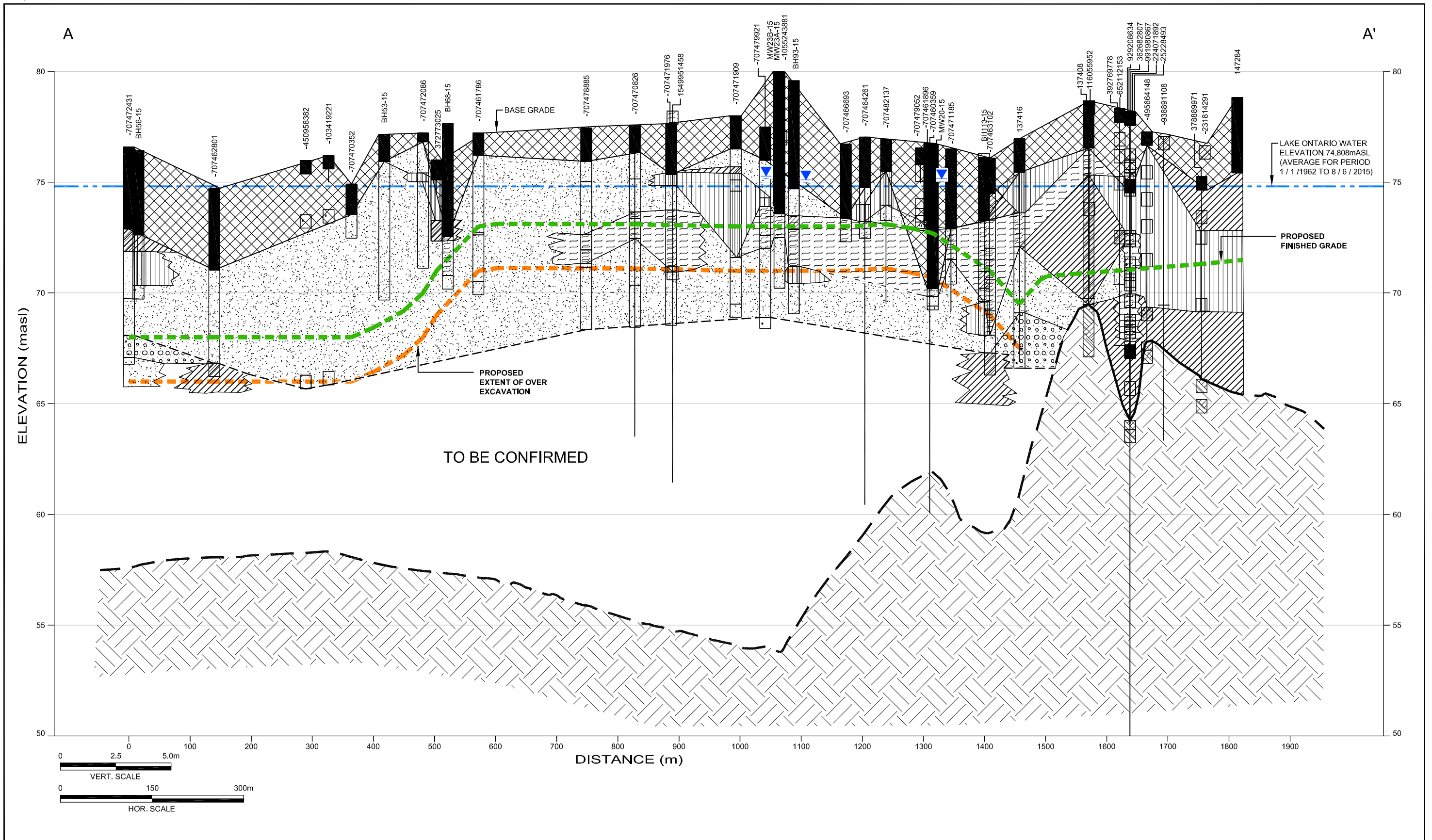


 Cross-section Location  
 Stage 2 Study Boundary

Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

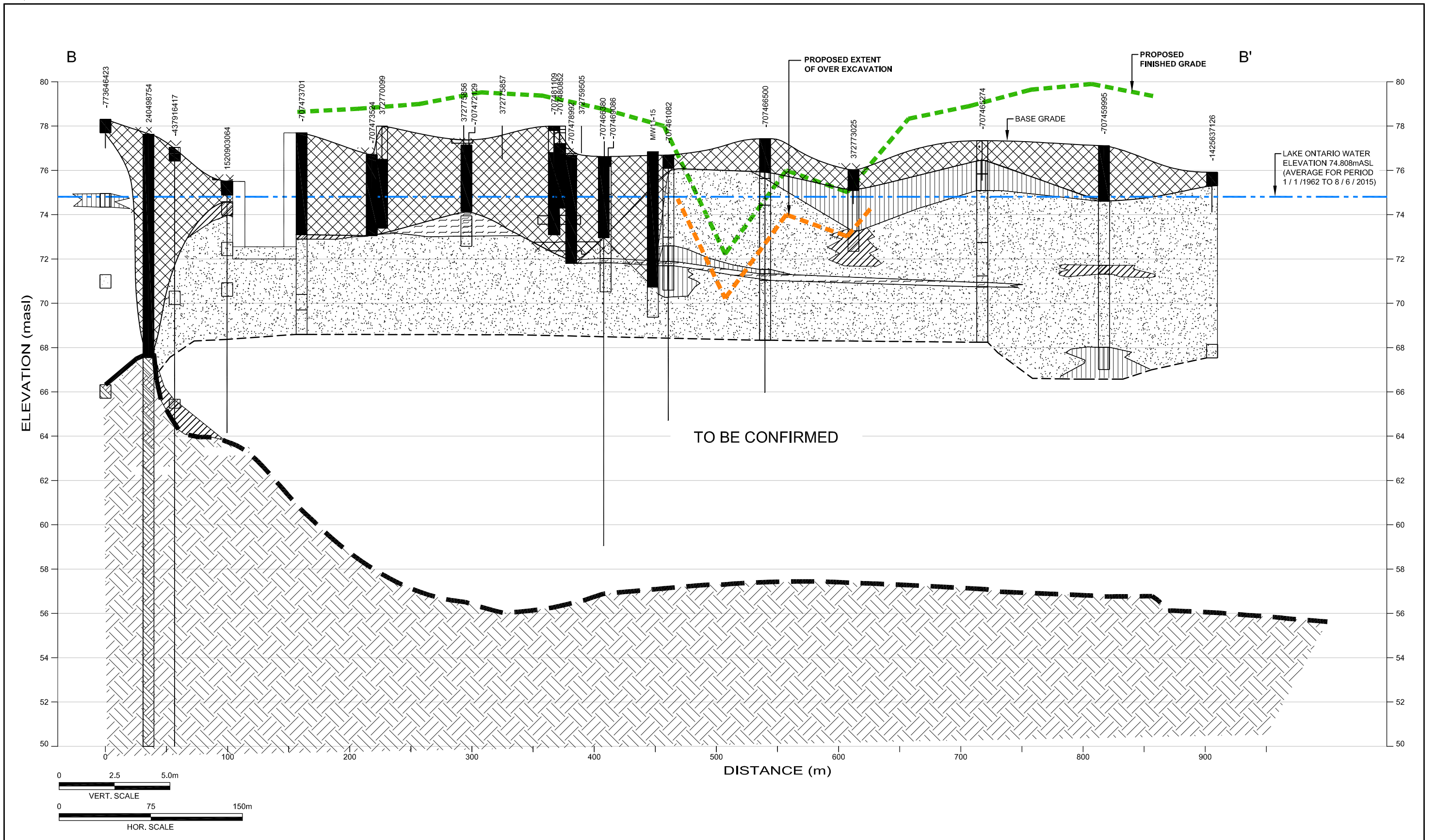
Figure 8  
 Cross-section Locations  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





**Figure 9A**  
 Geologic Cross-section A - A'  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario



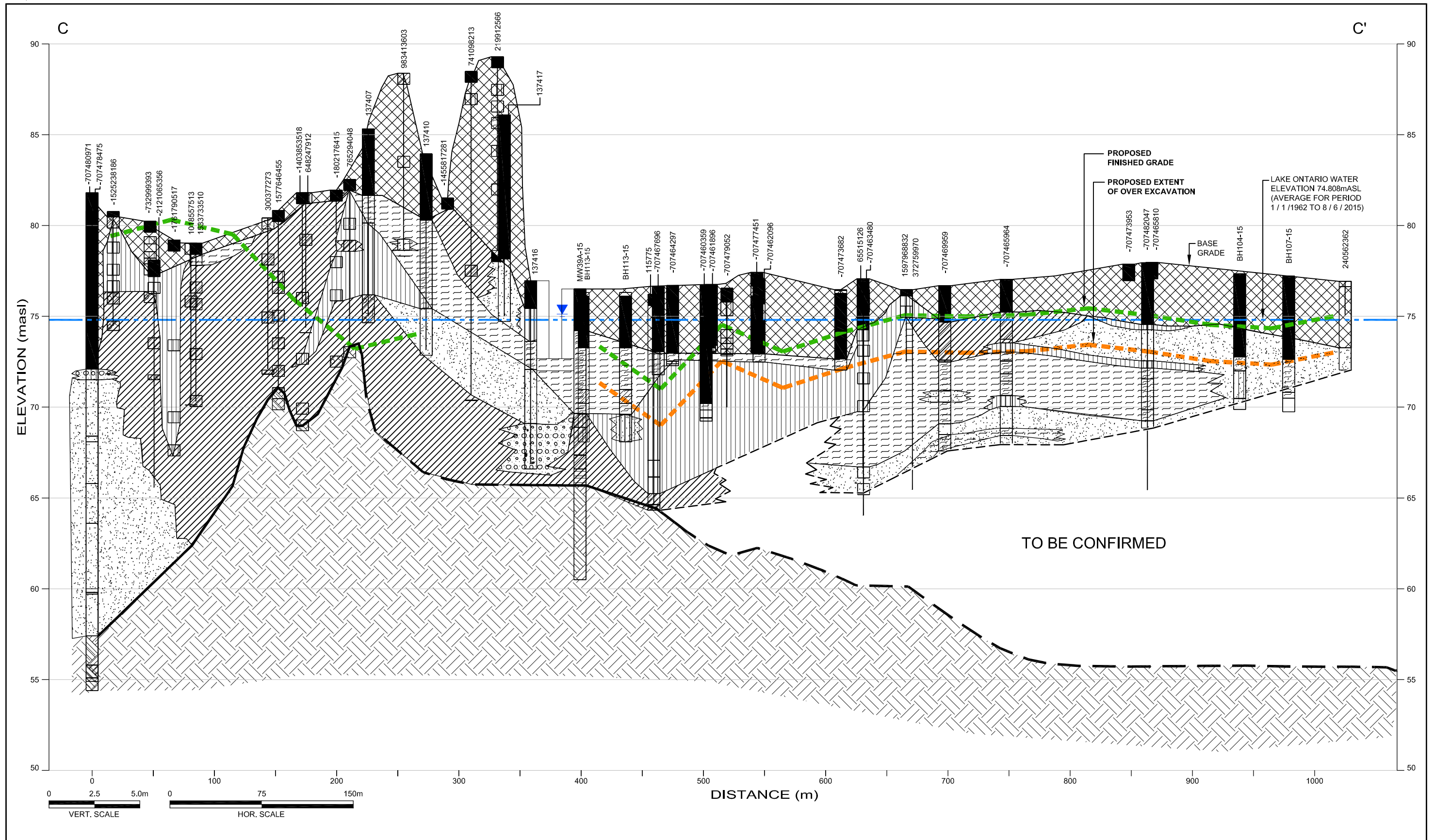


**LEGEND**

240498754	DRILL HOLE IDENTIFICATION		FILL (MADE GROUND) (FILL)		POORLY GRADED SAND (SAND)		BEDROCK (BEDROCK)
masl	METRES ABOVE SEA LEVEL		SILT (SILT)		POORLY GRADED GRAVEL (GRAVEL)		
	APPROXIMATE GROUNDWATER ELEVATION (masl)		BR-LEAN CLAY (CLAY)		ORGANIC		

**Figure 9B**  
 Geologic Cross-section B - B'  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario

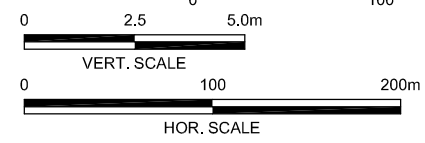
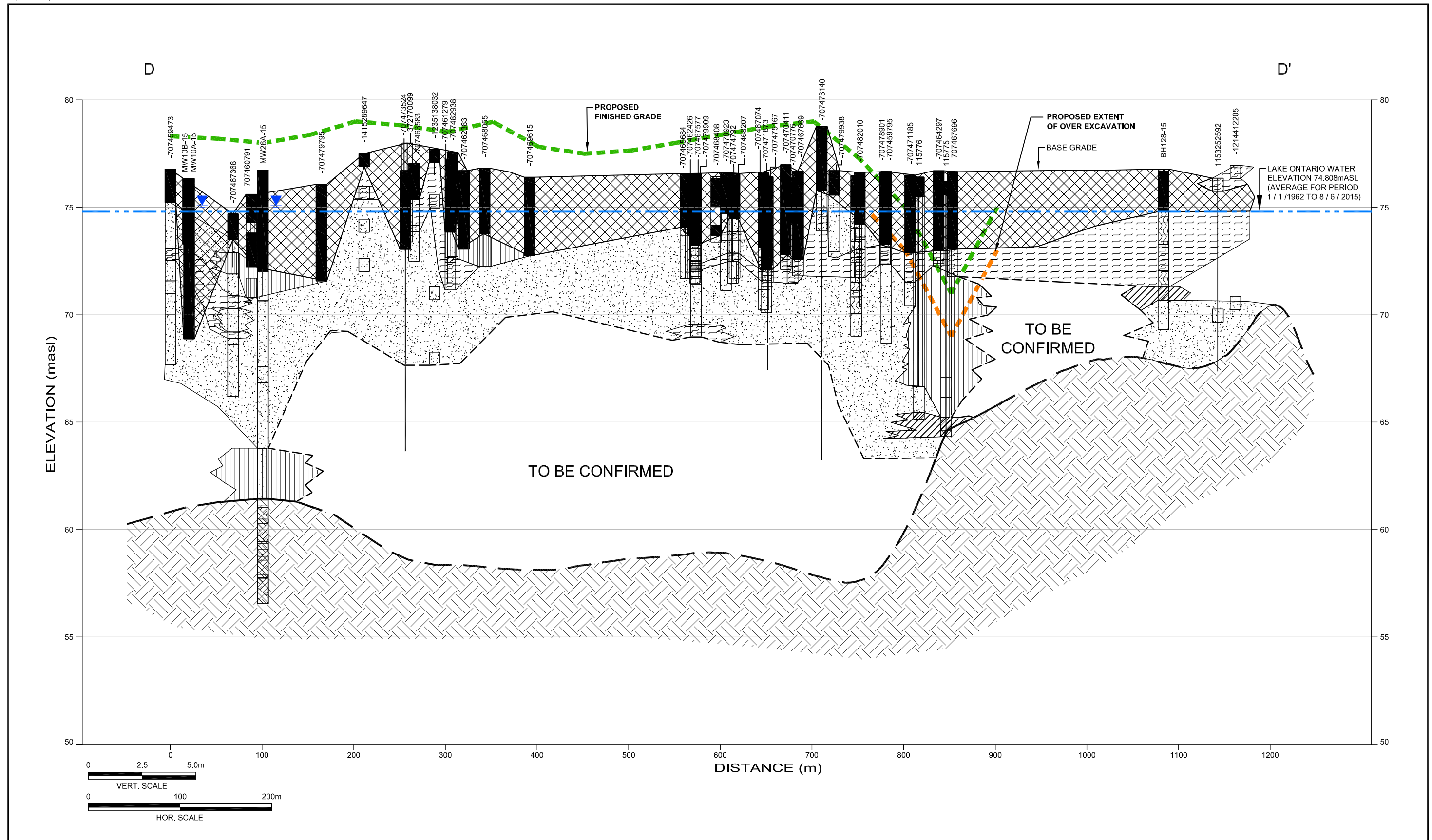




LEGEND	
240498754	DRILL HOLE IDENTIFICATION
masl	METRES ABOVE SEA LEVEL
	APPROXIMATE GROUNDWATER ELEVATION (masl)
	FILL (MADE GROUND) (FILL)
	SILT (SILT)
	BR-LEAN CLAY (CLAY)
	POORLY GRADED SAND (SAND)
	POORLY GRADED GRAVEL (GRAVEL)
	BEDROCK (BEDROCK)
	ORGANIC

**Figure 9C**  
 Geologic Cross-section C - C'  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





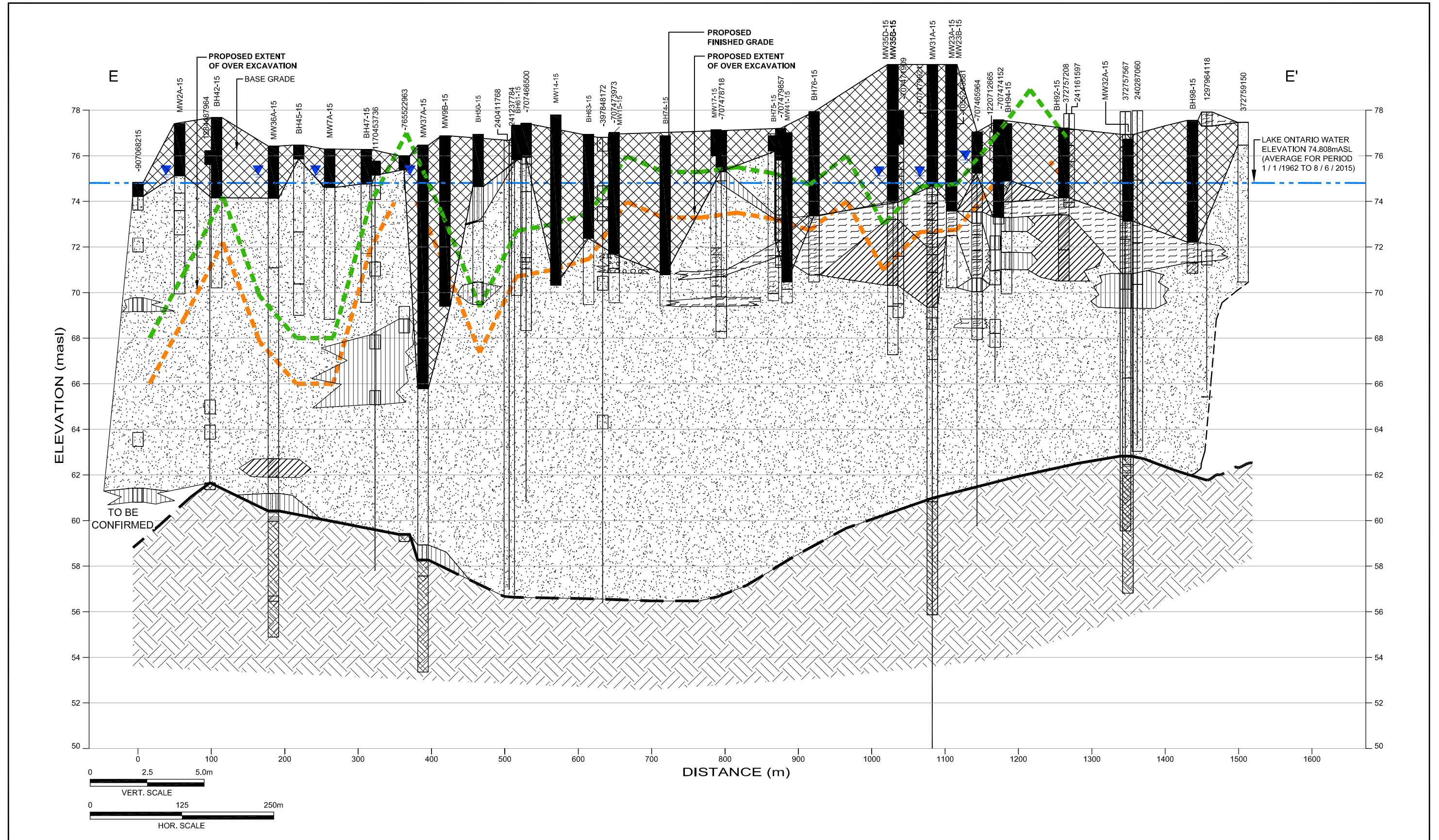
**LEGEND**

240498754	DRILL HOLE IDENTIFICATION		FILL (MADE GROUND) (FILL)		POORLY GRADED SAND (SAND)		BEDROCK (BEDROCK)
masl	METRES ABOVE SEA LEVEL		SILT (SILT)		POORLY GRADED GRAVEL (GRAVEL)		
	APPROXIMATE GROUNDWATER ELEVATION (masl)		BR-LEAN CLAY (CLAY)		ORGANIC		

**Figure 9D**  
Geologic Cross-section D - D'

Environmental Assessment and Geotechnical and Earthworks Report  
Waterfront Toronto  
Toronto, Ontario



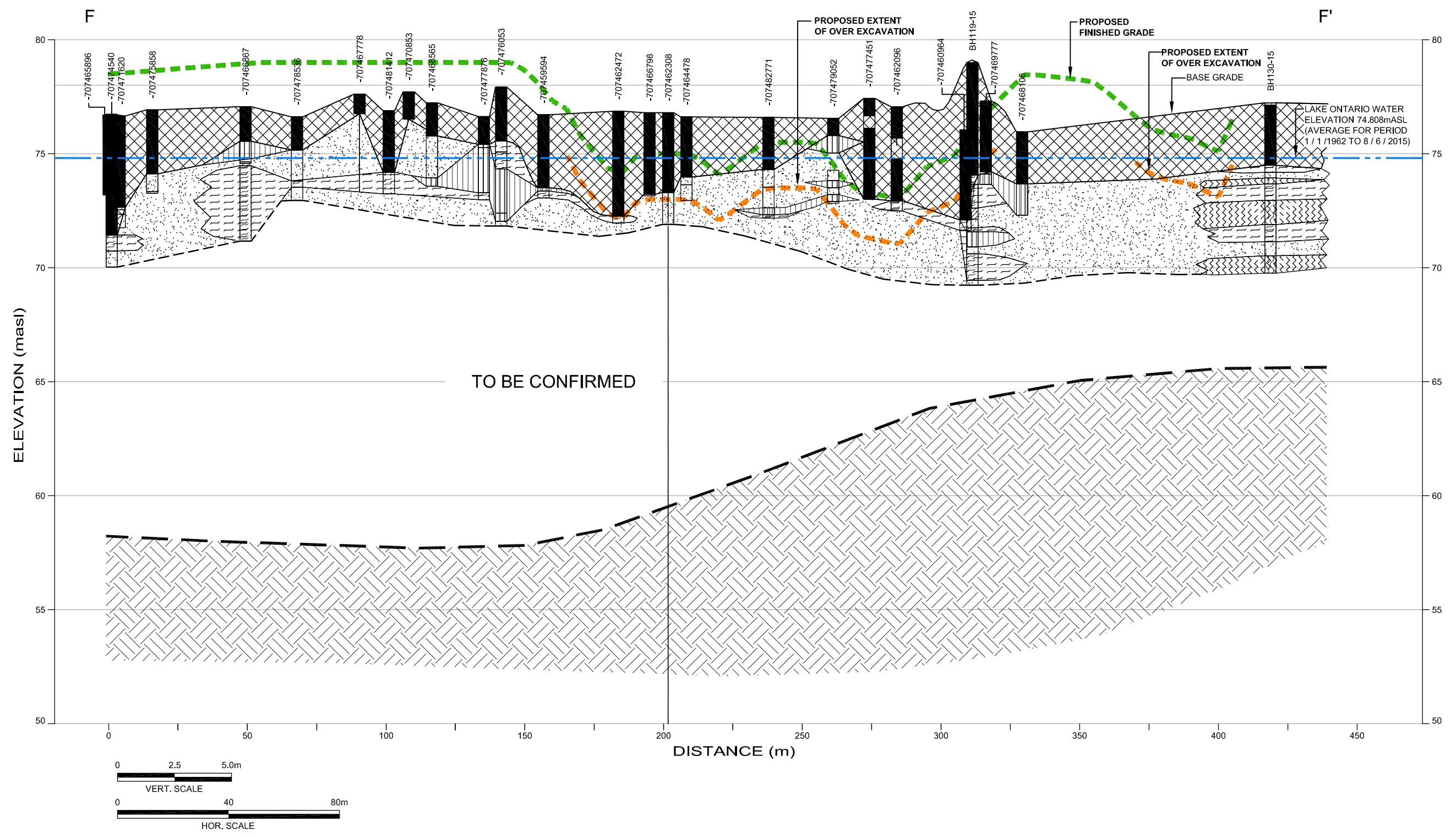


**Figure 9E**  
Geologic Cross-section E - E'

Environmental Assessment and Geotechnical and Earthworks Report  
Waterfront Toronto  
Toronto, Ontario

<b>LEGEND</b>			
-707472431	DRILL HOLE IDENTIFICATION		FILL (MADE GROUND) (FILL)
masl	METRES ABOVE SEA LEVEL		POORLY GRADED SAND (SAND)
	APPROXIMATE GROUNDWATER ELEVATION (masl)		POORLY GRADED GRAVEL (GRAVEL)
			ORGANIC
			SILT (SILT)
			BEDROCK (BEDROCK)
			BR-LEAN CLAY (CLAY)
			GLACIAL TILL (TILL)





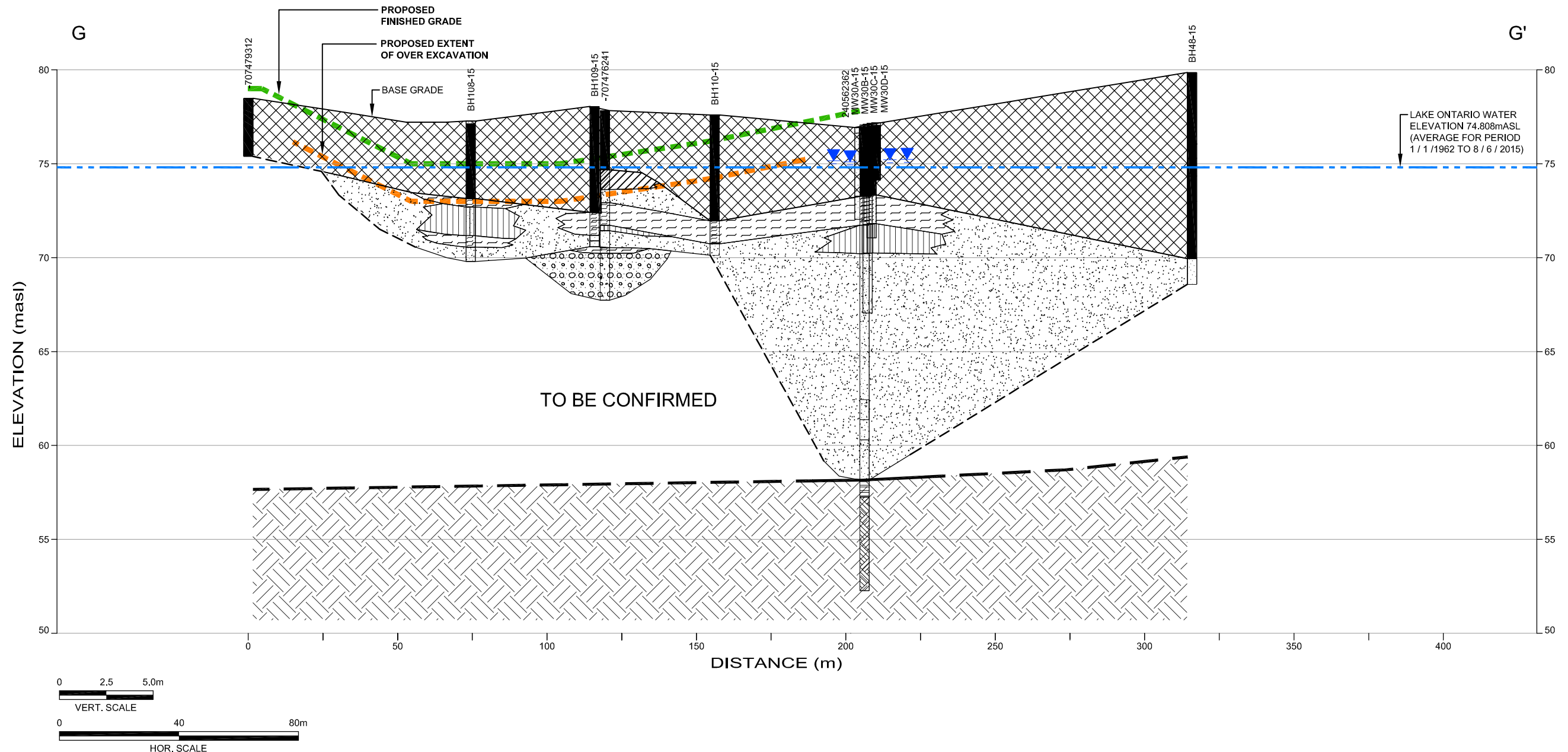
**LEGEND**

240498754	DRILL HOLE IDENTIFICATION		FILL (MADE GROUND) (FILL)		POORLY GRADED SAND (SAND)		BEDROCK (BEDROCK)
masl	METRES ABOVE SEA LEVEL		SILT (SILT)		POORLY GRADED GRAVEL (GRAVEL)		ORGANICS
			BR-LEAN CLAY (CLAY)		ORGANIC		

**Figure 9F**  
Geologic Cross-section F - F'

Environmental Assessment and Geotechnical and Earthworks Report  
Waterfront Toronto  
Toronto, Ontario





**LEGEND**

240498754  
masl

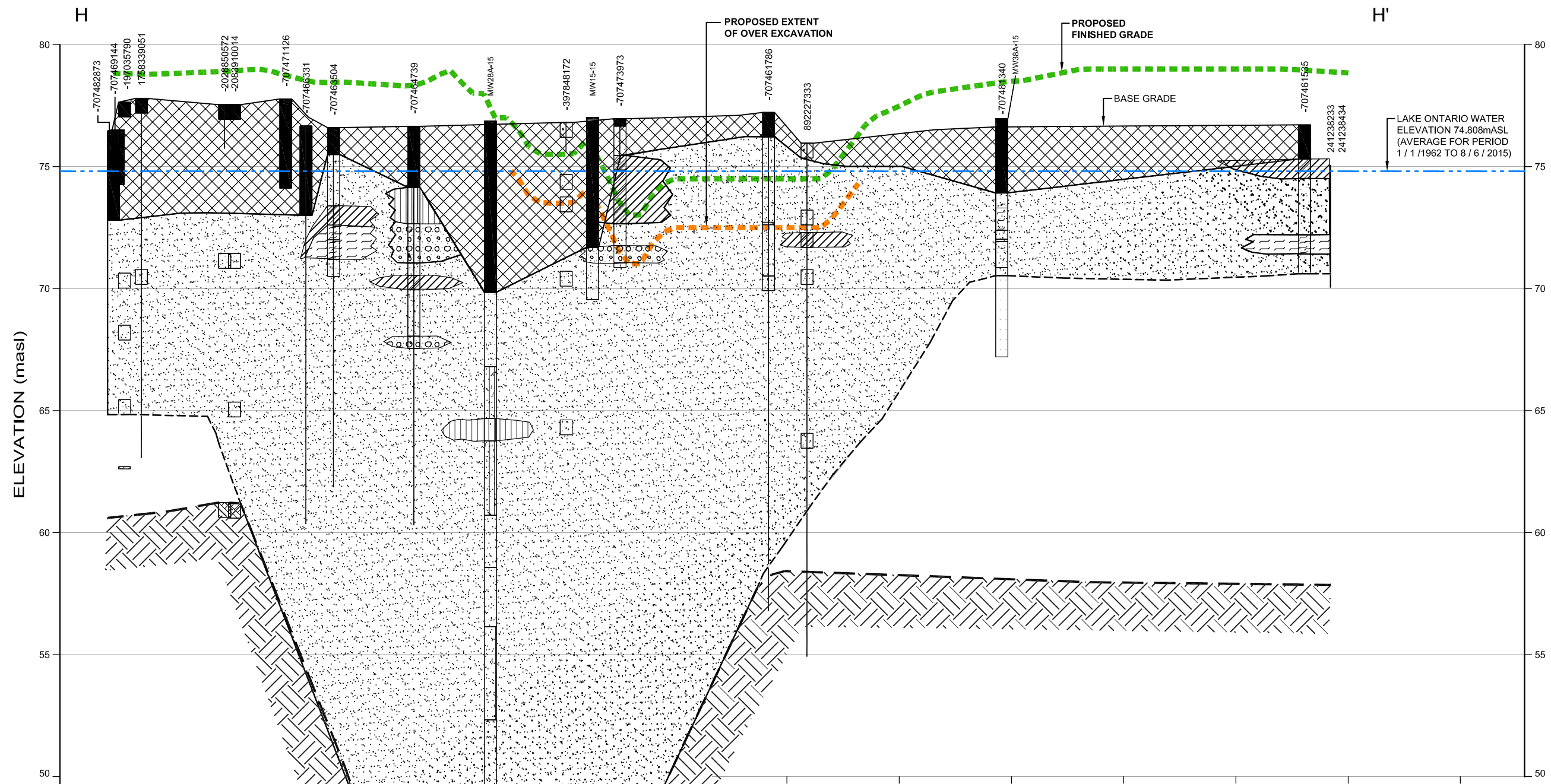
DRILL HOLE IDENTIFICATION  
METRES ABOVE SEA LEVEL

- |  |                           |  |                               |  |                   |
|--|---------------------------|--|-------------------------------|--|-------------------|
|  | FILL (MADE GROUND) (FILL) |  | POORLY GRADED SAND (SAND)     |  | BEDROCK (BEDROCK) |
|  | SILT (SILT)               |  | POORLY GRADED GRAVEL (GRAVEL) |  |                   |
|  | BR-LEAN CLAY (CLAY)       |  | ORGANIC                       |  |                   |

**Figure 9G**  
Geologic Cross-section G - G'

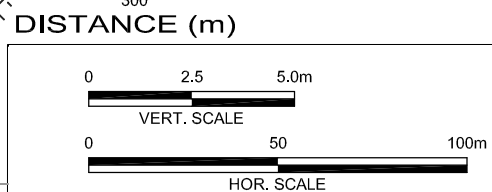
Environmental Assessment and Geotechnical and Earthworks Report  
Waterfront Toronto  
Toronto, Ontario





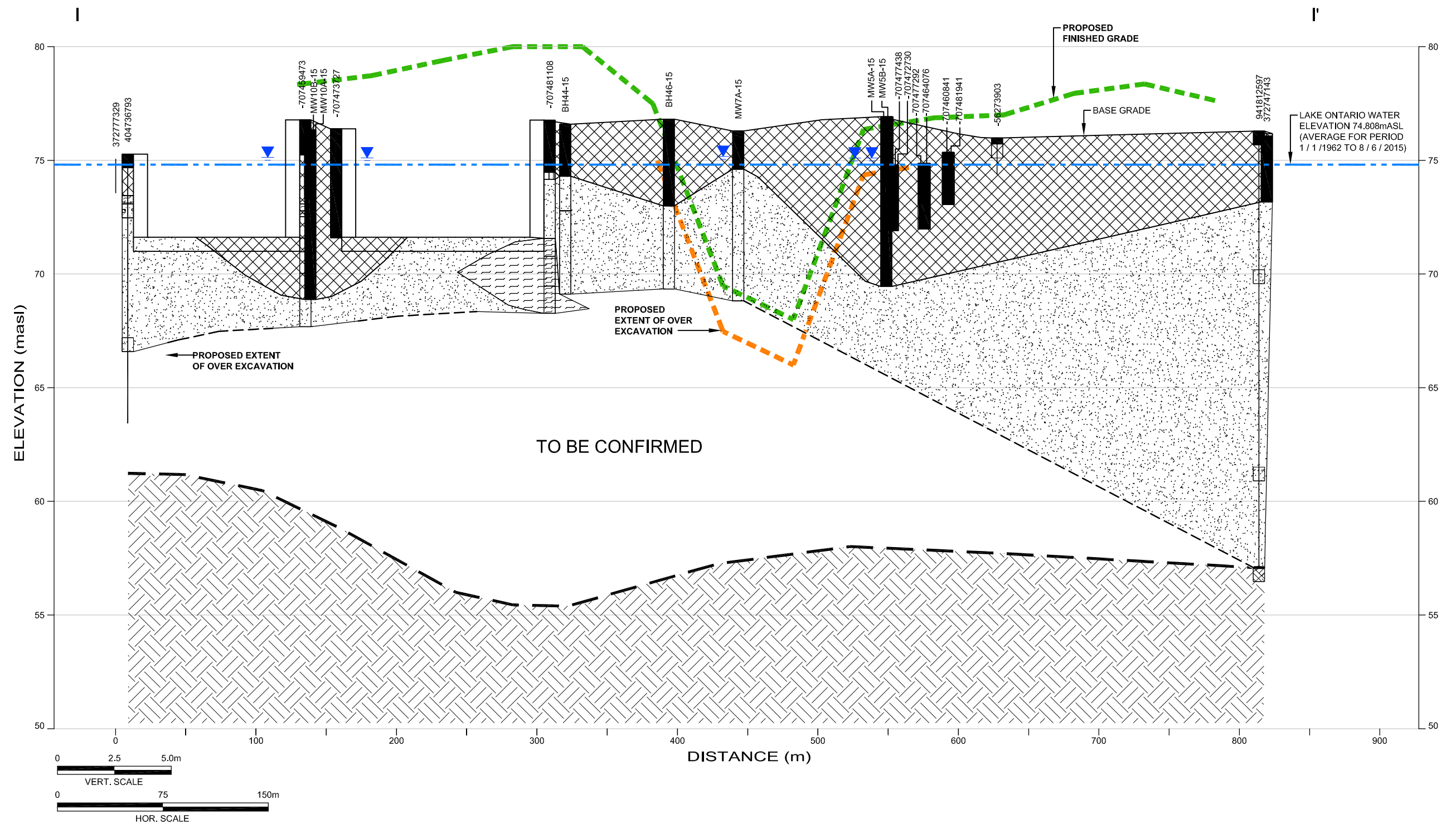
**LEGEND**

240498754	DRILL HOLE IDENTIFICATION		FILL (MADE GROUND) (FILL)		POORLY GRADED SAND (SAND)		BEDROCK (BEDROCK)
masl	METRES ABOVE SEA LEVEL		SILT (SILT)		POORLY GRADED GRAVEL (GRAVEL)		ORGANIC
			BR-LEAN CLAY (CLAY)				



**Figure 9H**  
 Geologic Cross-section H - H'  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





**LEGEND**

240498754	DRILL HOLE IDENTIFICATION		FILL (MADE GROUND) (FILL)		POORLY GRADED SAND (SAND)		BEDROCK (BEDROCK)
masl	METRES ABOVE SEA LEVEL		SILT (SILT)		POORLY GRADED GRAVEL (GRAVEL)		
	APPROXIMATE GROUNDWATER ELEVATION (masl)		BR-LEAN CLAY (CLAY)		ORGANIC		

**Figure 9I**  
Geologic Cross-section I - I'

Environmental Assessment and Geotechnical and Earthworks Report  
Waterfront Toronto  
Toronto, Ontario



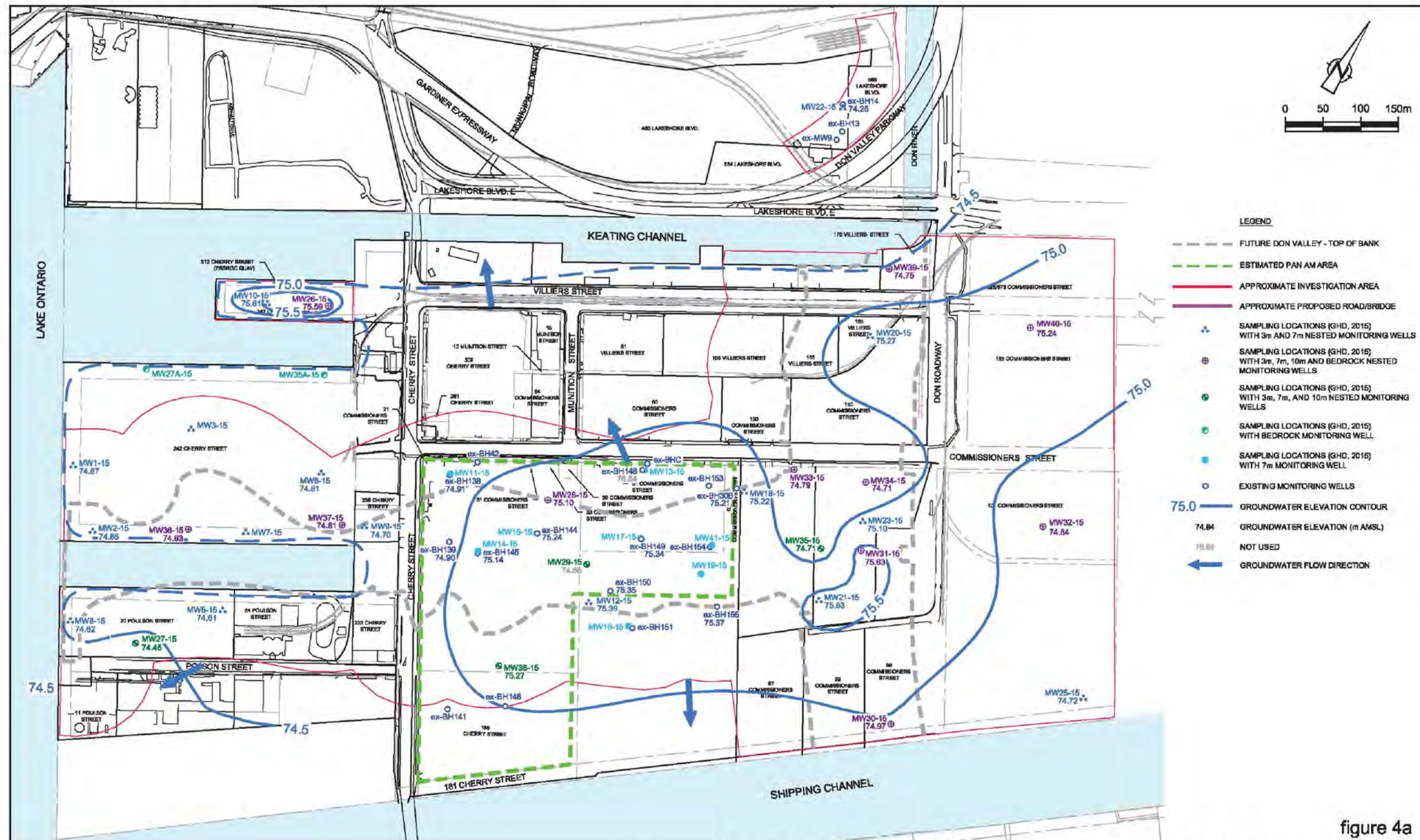


figure 4a  
**OVERBURDEN GROUNDWATER ELEVATION CONTOURS (DECEMBER 8, 2015)**  
**PORT LANDS - ENVIRONMENTAL, GEOTECHNICAL AND HYDROGEOLOGICAL INVESTIGATION**  
**CONTRACT No. 1042.R2**  
*Waterfront Toronto*

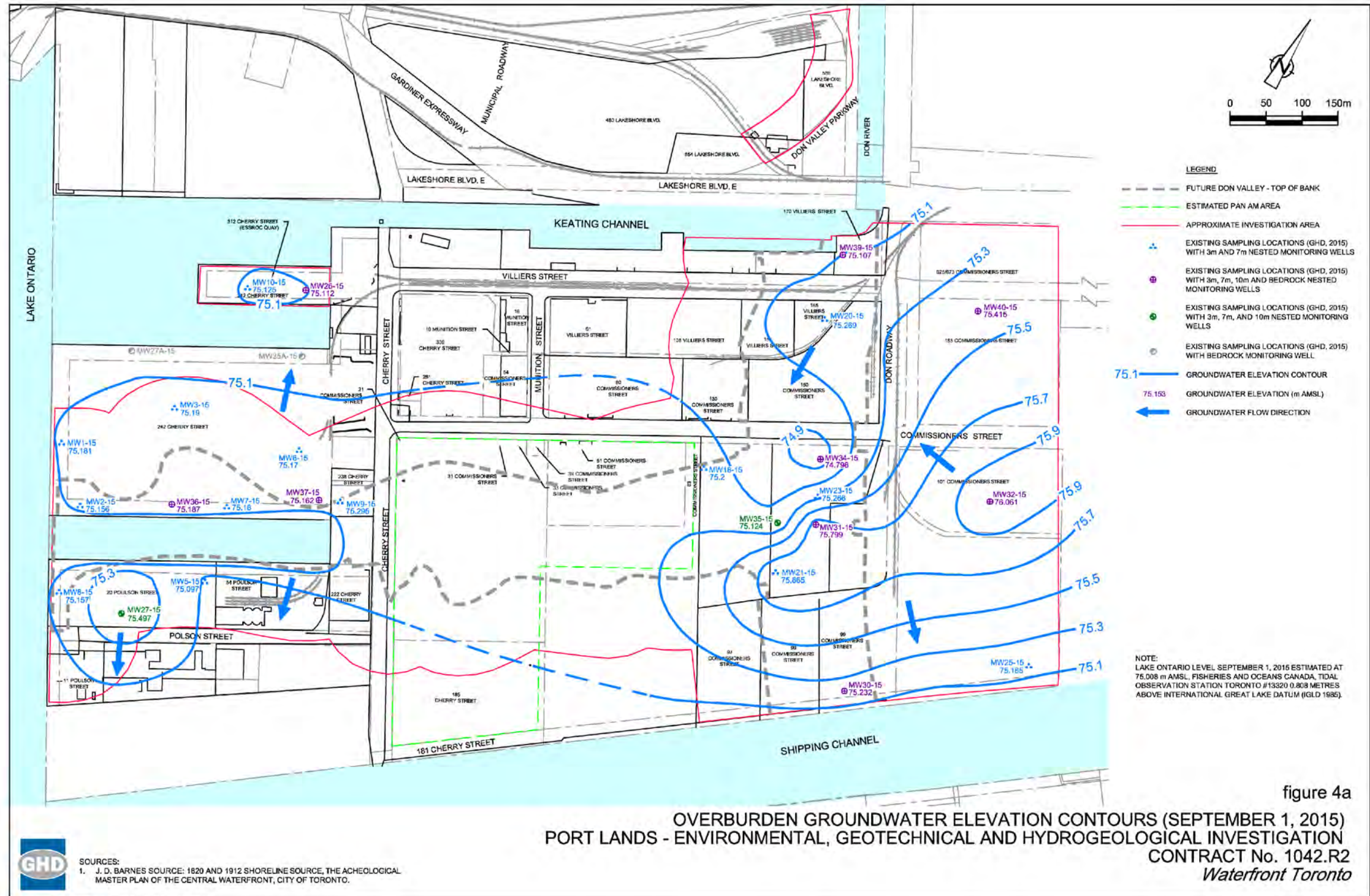
**GHD** SOURCES:  
 1. J. D. BARNES SOURCE: 1820 AND 1912 SHORELINE SOURCE, THE ACHEOLOGICAL MASTER PLAN OF THE CENTRAL WATERFRONT, CITY OF TORONTO.

11102463-00(002)GN-T0003 DEC 29/2015

Notes:  
 1. Figure source: GHD, September 2015. Port Lands Environmental, Geotechnical, and Hydrogeological Investigation.

Figure 10A  
 Groundwater Piezometric Contours – Fill / Native Sand, December 8, 2015  
 Environmental Assessment and Geotechnical and Earthworks Report  
*Waterfront Toronto*  
 Toronto, Ontario





Notes:  
1. Figure source: GHD, September 2015. Port Lands Environmental, Geotechnical, and Hydrogeological Investigation.

Figure 10B  
Groundwater Piezometric Contours – Fill / Native Sand, September 1, 2015  
Environmental Assessment and Geotechnical and Earthworks Report  
*Waterfront Toronto*  
Toronto, Ontario

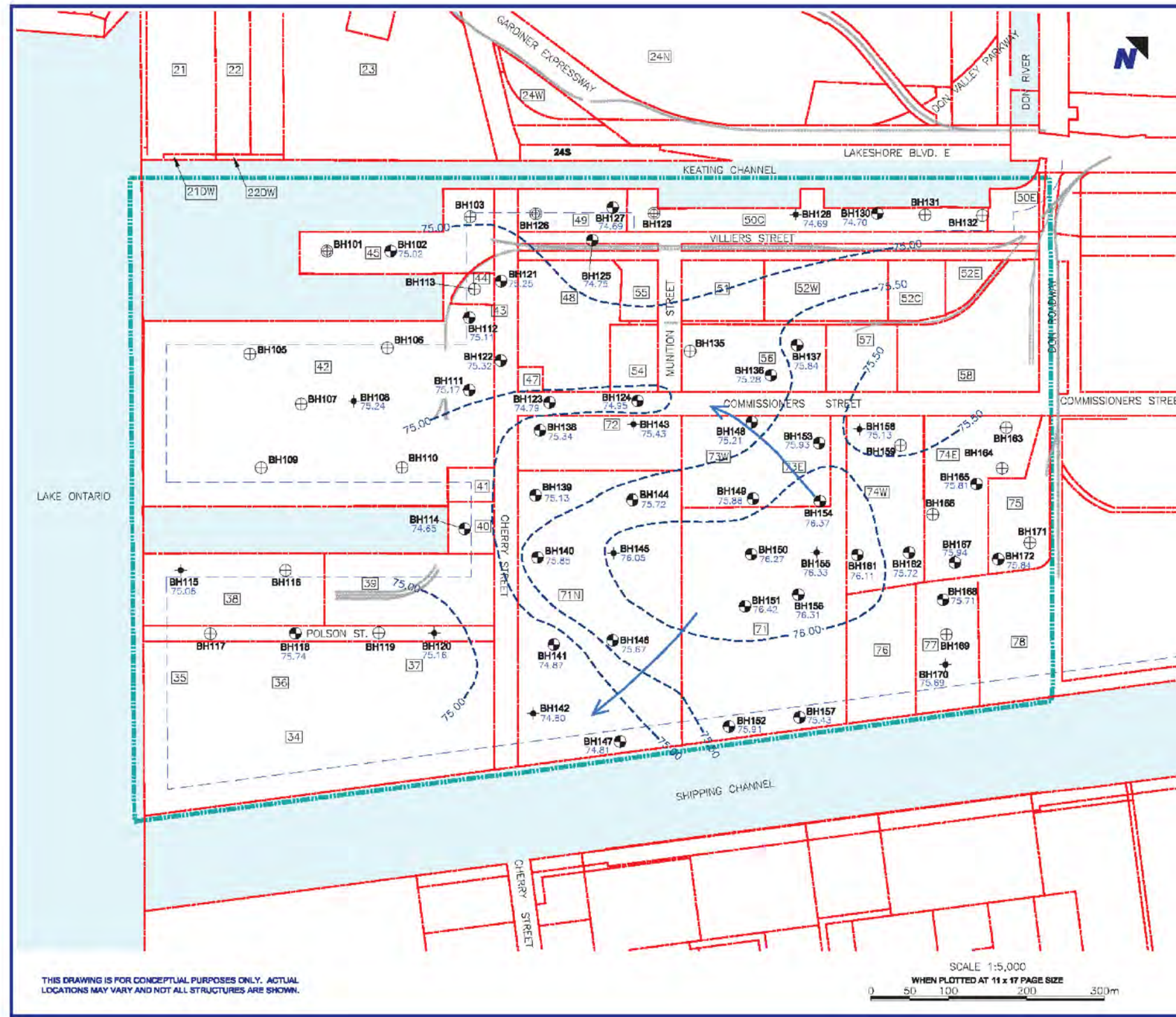




Notes:  
1. Figure source: Decommissioning Consulting Services (DCS), July 2013. Area-wide Initiative Groundwater Monitoring and Sampling Results - 2013

Figure 10C  
Groundwater Piezometric Contours – Fill / Native Sand, July, 2013  
Environmental Assessment and Geotechnical and Earthworks Report  
Waterfront Toronto  
Toronto, Ontario





**NOTES**  
DRAWING COMPILED FROM AECOM DRAWING No. 2, PROPOSED INVESTIGATIVE LOCATIONS - NORTH OF KEATING CHANNEL, JANUARY 2009 AND SITE RECONNAISSANCE INFORMATION.

**LEGEND**

- PROPERTY BOUNDARY
- BOUNDARY OF PROPOSED DON MOUTH NATURALIZATION STUDY AREA
- RAIL LINE
- BOREHOLE LOCATION
- BOREHOLE LOCATION COMPLETED AS A MONITORING WELL
- BOREHOLE LOCATION (GEOTECHNICAL)
- BOREHOLE LOCATION COMPLETED AS A MONITORING WELL (GEOTECHNICAL)
- SITE REFERENCE NUMBER
- TABLE 1 COMPARISON LIMIT (WITHIN 30 METRES OF WATER)
- GROUNDWATER ELEVATION (m)
- INFERRED GROUNDWATER ELEVATION CONTOUR (INTERVAL 0.5m)
- INFERRED GROUNDWATER FLOW DIRECTION

**TORONTO & REGION CONSERVATION AUTHORITY  
DON MOUTH NATURALIZATION AND PORT LANDS  
FLOOD PROTECTION PROJECT  
TORONTO, ONTARIO**

Report: **SUBSURFACE INVESTIGATION**

Drawing: **INFERRED GROUNDWATER CONTOUR PLAN  
(MARCH 9, 2009)**

Date: March 30, 2009	Scale: AS SHOWN	Drawing No. 4
File Name: S 209-05798-00-B13	Project No. 209.05798.00	

SCALE 1:5,000  
WHEN PLOTTED AT 11 x 17 PAGE SIZE  
0 50 100 200 300m

**SLR**

THIS DRAWING IS FOR CONCEPTUAL PURPOSES ONLY. ACTUAL LOCATIONS MAY VARY AND NOT ALL STRUCTURES ARE SHOWN.

Notes:  
1. Figure source: SLR, March 2009. Toronto and Region Conservation Authority Don Mouth Naturalization and Port Lands Flood Protection Project, Subsurface Investigation.

Figure 100  
Groundwater Piezometric Contours - Fill / Native Sand, March 9, 2009  
Environmental Assessment and Geotechnical and Earthworks Report  
Waterfront Toronto  
Toronto, Ontario



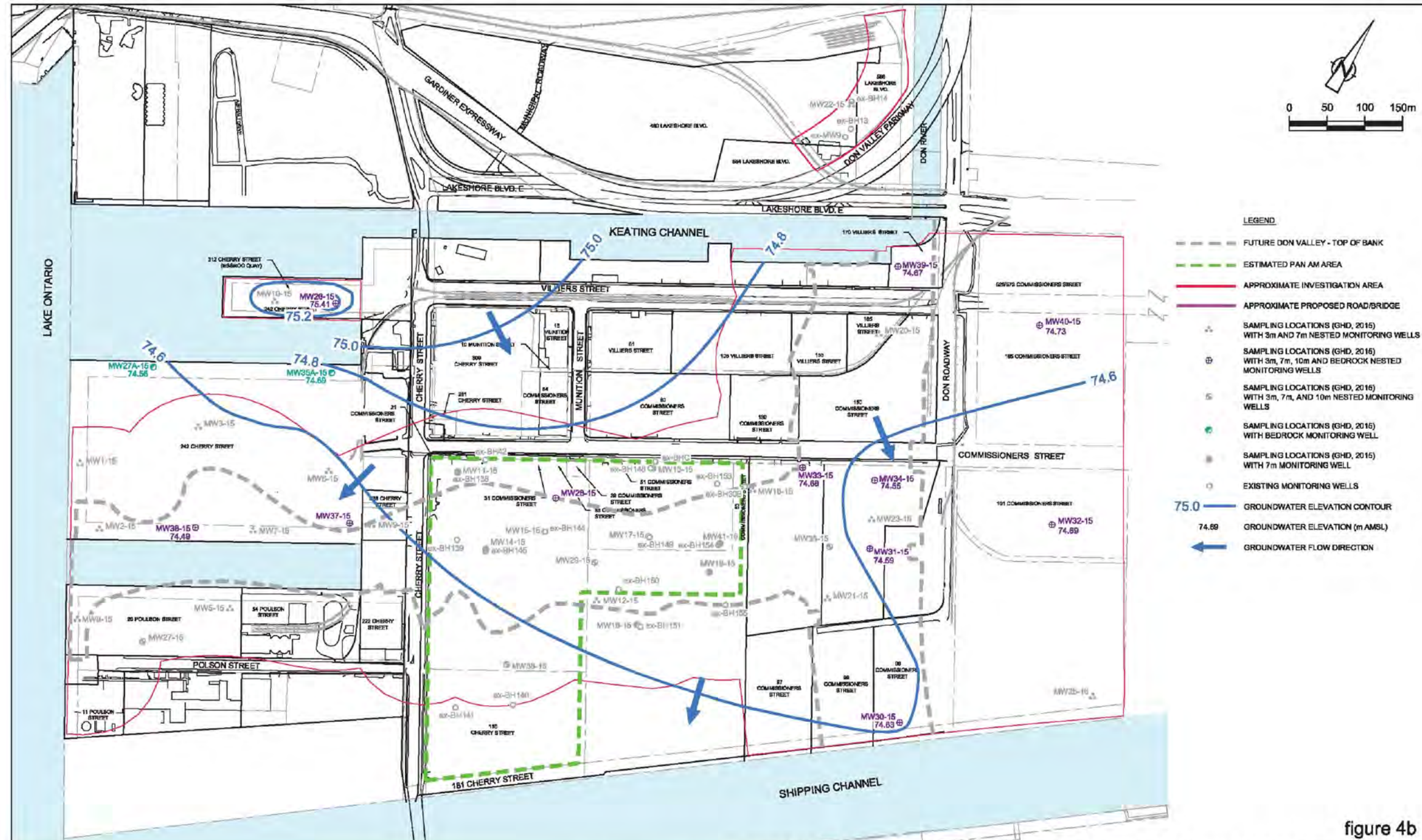


figure 4b  
 BEDROCK GROUNDWATER ELEVATION CONTOURS (DECEMBER 8, 2015)  
 PORT LANDS - ENVIRONMENTAL, GEOTECHNICAL AND HYDROGEOLOGICAL INVESTIGATION  
 CONTRACT No. 1042.R2  
 Waterfront Toronto

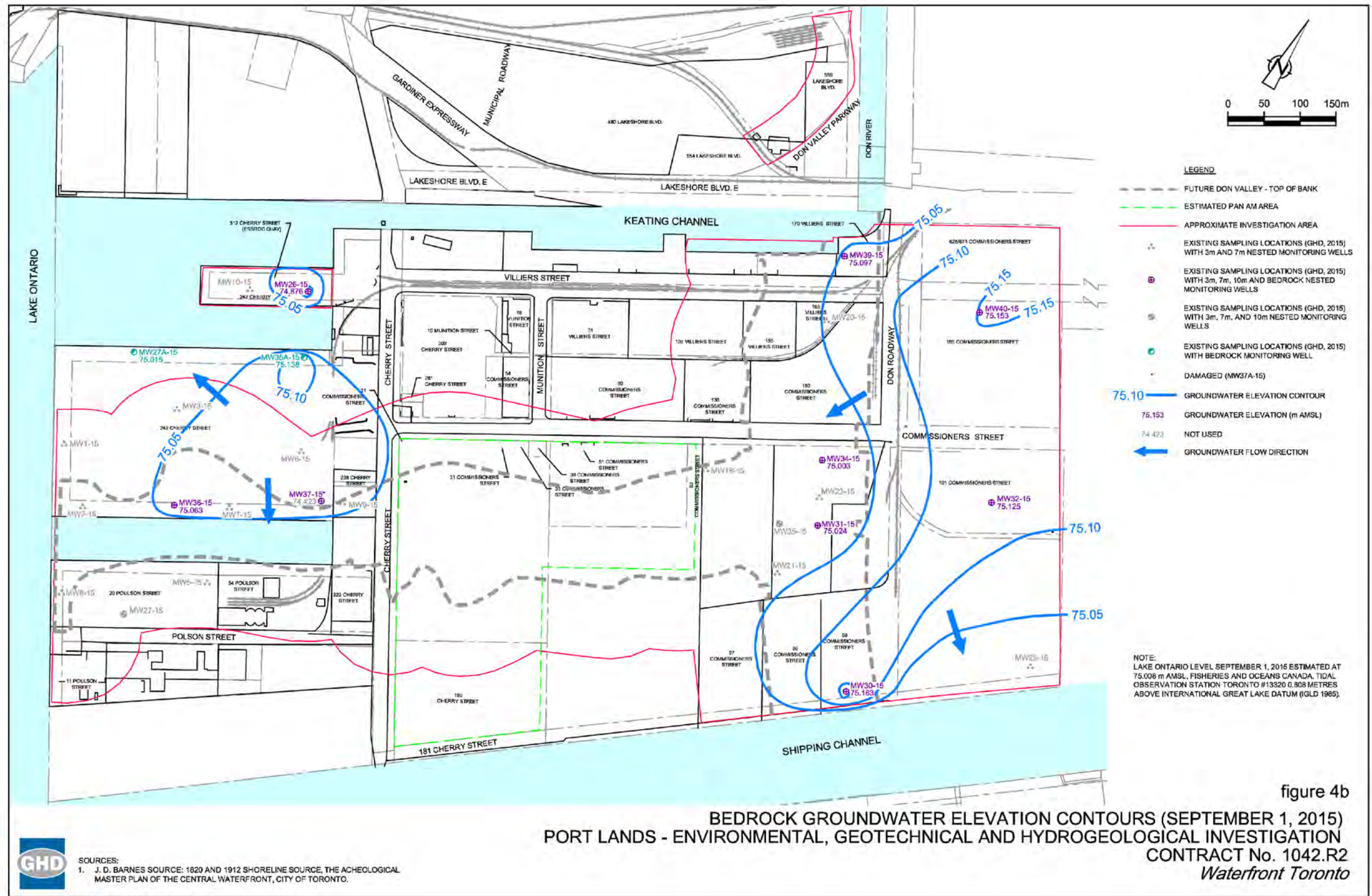
**GHD**  
 SOURCES:  
 1. J. D. BARNES SOURCE: 1820 AND 1912 SHORELINE SOURCE, THE ARCHEOLOGICAL MASTER PLAN OF THE CENTRAL WATERFRONT, CITY OF TORONTO.

11102463-00(002)GN-TO004 DEC 29/2015

Notes:  
 1. Figure source: GHD, September 2015. Port Lands Environmental, Geotechnical, and Hydrogeological Investigation.

Figure 12A  
 Groundwater Potentiometric Contours – Bedrock, December 8, 2015  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario

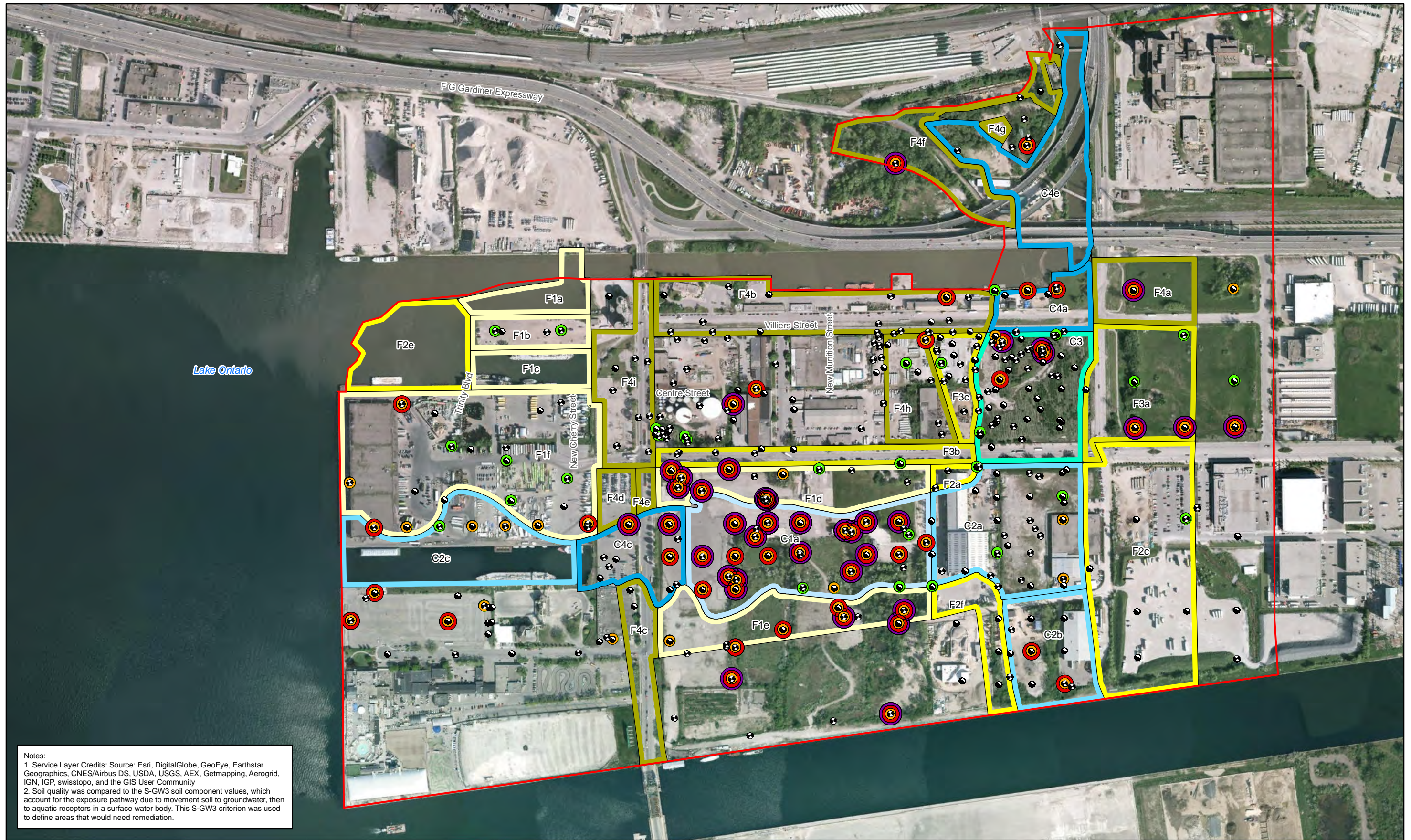




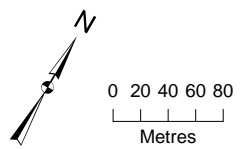
Notes:  
1. Figure source: GHD, September 2015. Port Lands Environmental, Geotechnical, and Hydrogeological Investigation.

Figure 12B  
Groundwater Potentiometric Contours – Bedrock, September 1, 2015  
Environmental Assessment and Geotechnical and Earthworks Report  
*Waterfront Toronto*  
Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.



- Soil Sample
- Soil and Groundwater Sample
- ▭ Stage 2 Study Boundary
- Location with Table 9 Standard Exceedance
- Location with Table 3 Standard Exceedance
- Location with S-GW3 Component Exceedance
- Location without Exceedance

- Sequencing
- Fill
  - Phase 1
  - Phase 2
  - Phase 3
  - Phase 4
- Cut
- Phase 1
  - Phase 2
  - Phase 3
  - Phase 4

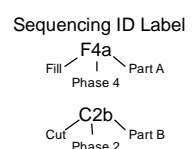
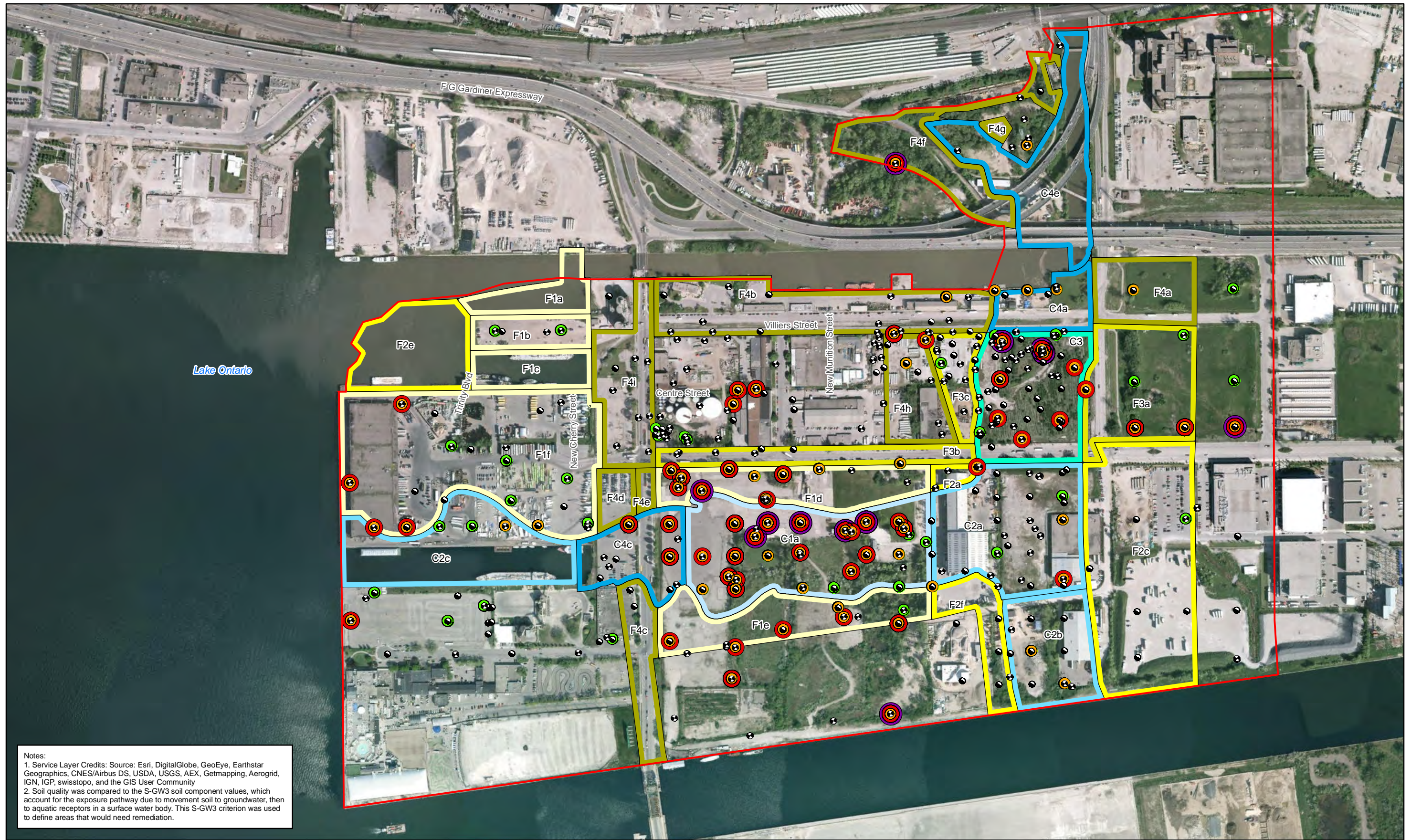
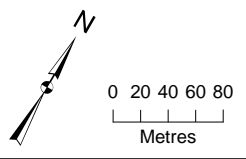


Figure 13A  
 Soil PHCs Exceedances (0-1.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.



- Soil Sample
- Soil and Groundwater Sample
- Stage 2 Study Boundary
- Location with Table 9 Standard Exceedance
- Location with Table 3 Standard Exceedance
- Location with S-GW3 Component Exceedance
- Location without Exceedance

- Sequencing
- Fill
- Phase 1
  - Phase 2
  - Phase 3
  - Phase 4
- Cut
- Phase 1
  - Phase 2
  - Phase 3
  - Phase 4

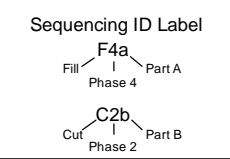
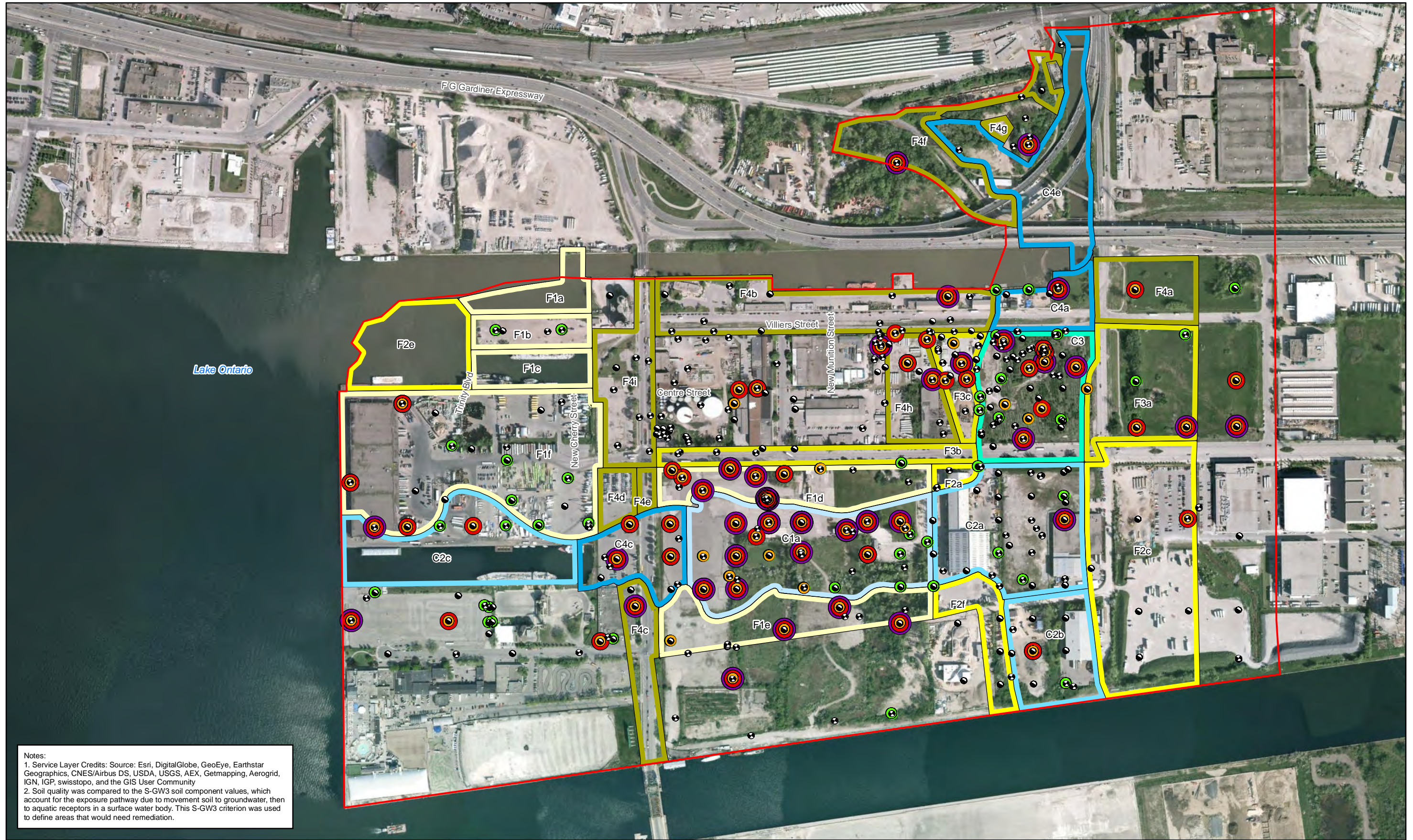
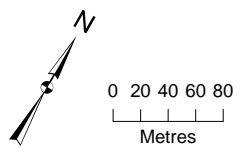


Figure 13B  
 Soil VOCs Exceedances (0-1.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





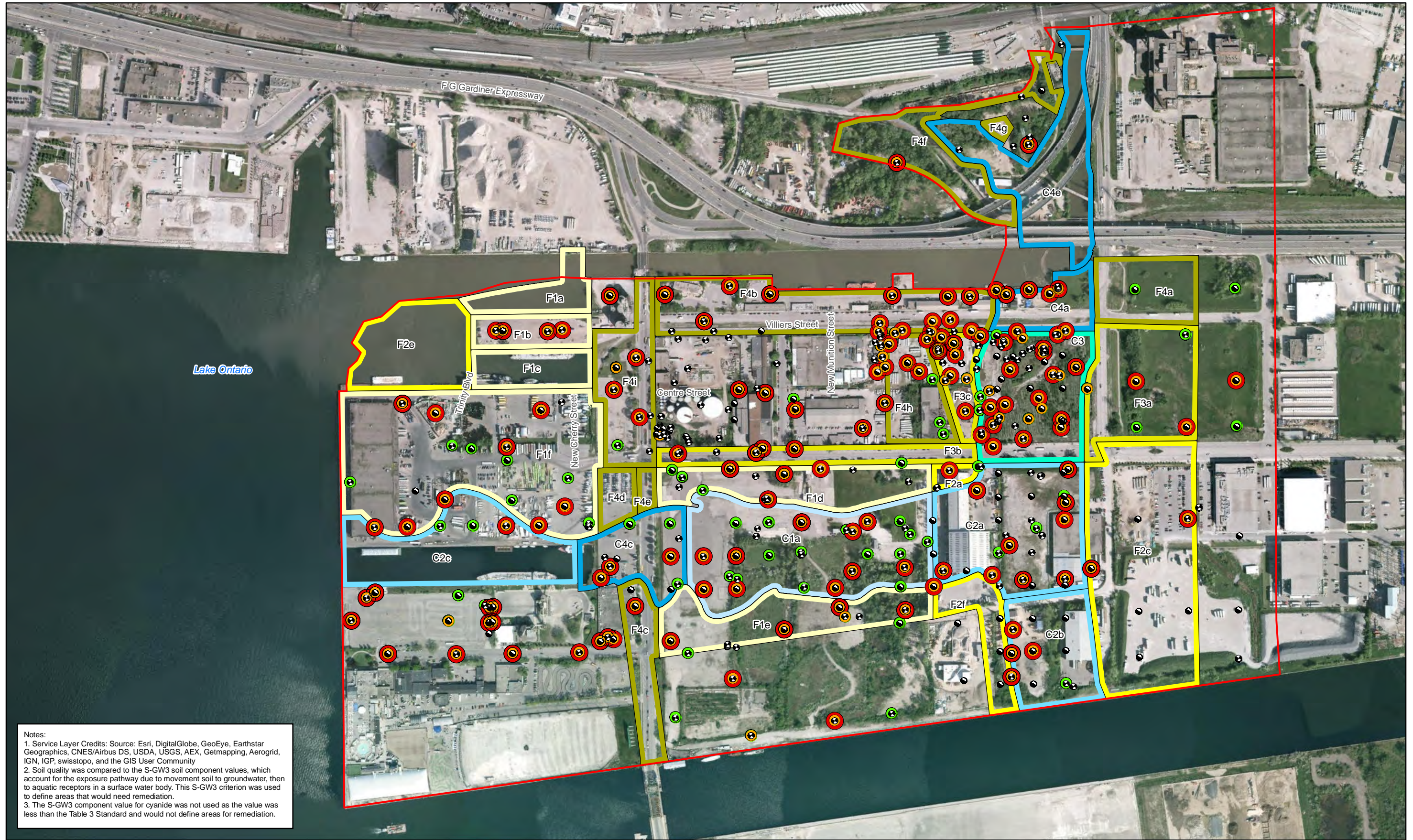
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.



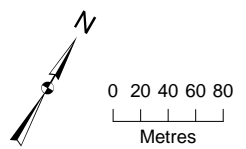
- Soil Sample
- Soil and Groundwater Sample
- ▭ Stage 2 Study Boundary
- Location with Table 9 Standard Exceedance
- Location with Table 3 Standard Exceedance
- Location with S-GW3 Component Exceedance
- Location without Exceedance
- Sequencing Fill
  - ▭ Phase 1
  - ▭ Phase 2
  - ▭ Phase 3
  - ▭ Phase 4
- Sequencing Cut
  - ▭ Phase 1
  - ▭ Phase 2
  - ▭ Phase 3
  - ▭ Phase 4
- Sequencing ID Label
  - ▭ F4a Part A
  - ▭ C2b Part B

Figure 13C  
 Soil PAHs Exceedances (0-1.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.  
 3. The S-GW3 component value for cyanide was not used as the value was less than the Table 3 Standard and would not define areas for remediation.

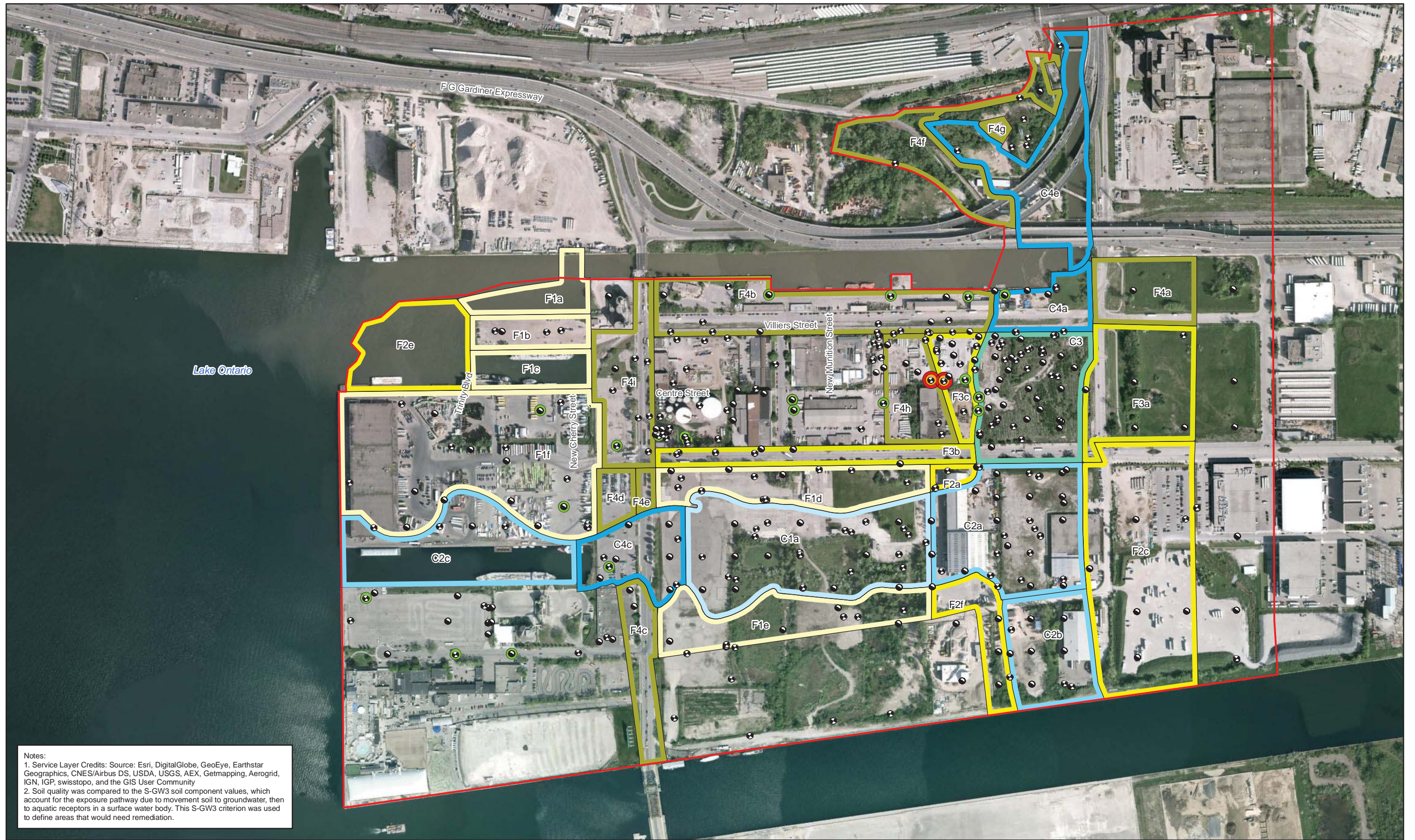


- Soil Sample
  - Soil and Groundwater Sample
  - Stage 2 Study Boundary
  - Location with Table 9 Standard Exceedance
  - Location with Table 3 Standard Exceedance
  - Location with S-GW3 Component Exceedance
  - Location without Exceedance
- |            |         |
|------------|---------|
| Sequencing | Cut     |
| Fill       | Phase 1 |
| Phase 1    | Phase 2 |
| Phase 2    | Phase 3 |
| Phase 3    | Phase 4 |
| Phase 4    |         |
- Sequencing ID Label
- ```

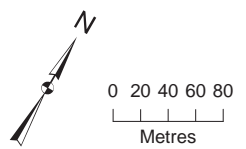
  F4a
  |
  --- Part A
  |
  Fill Phase 4
  |
  C2b
  |
  --- Part B
  |
  Cut Phase 2
  
```

Figure 13D  
 Soil Metals and Inorganics Exceedances (0-1.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





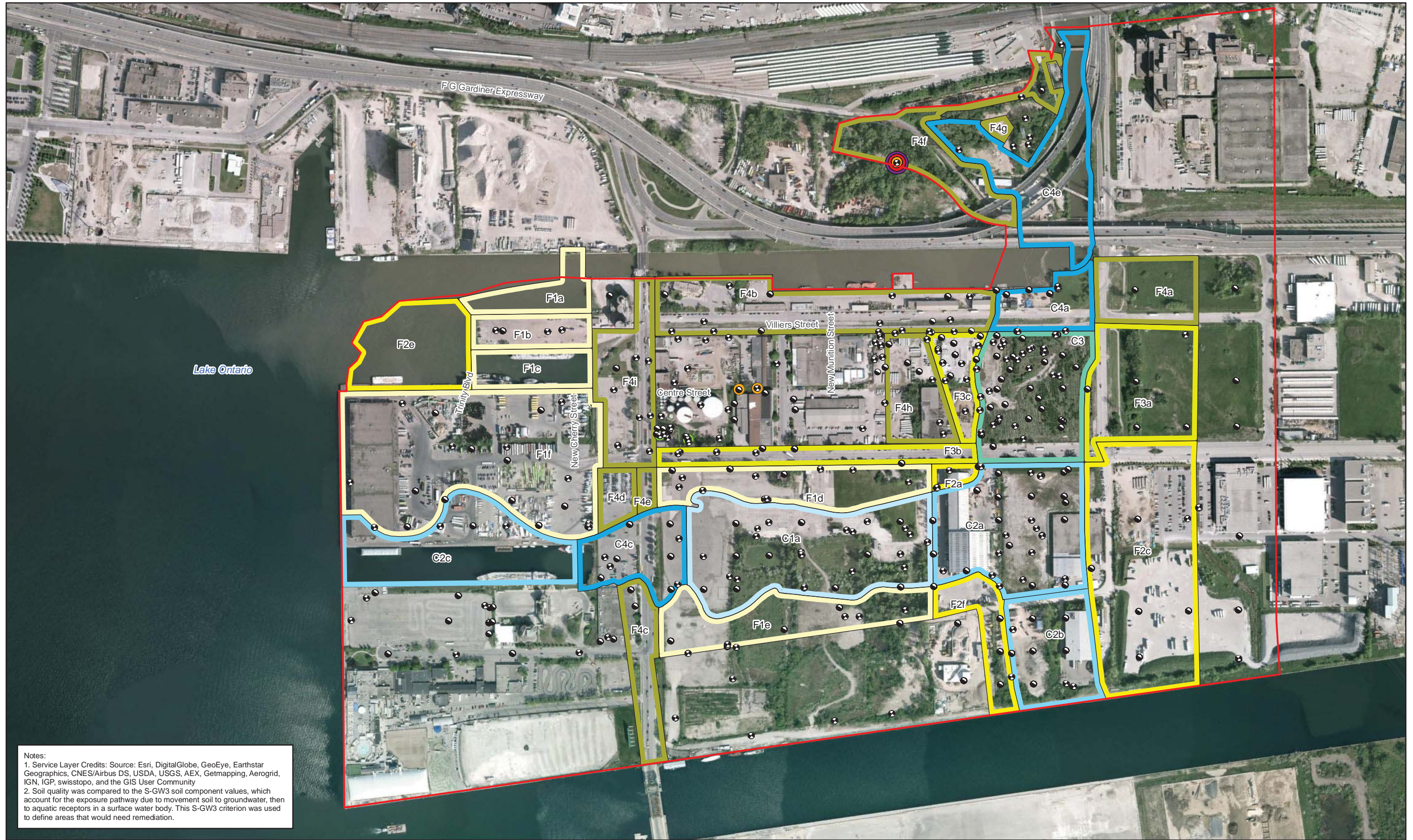
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.



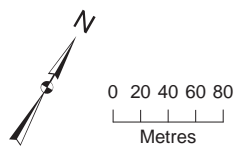
- Soil Sample
- Soil and Groundwater Sample
- Stage 2 Study Boundary
- Location with Table 9 Standard Exceedance
- Location with Table 3 Standard Exceedance
- Location with S-GW3 Component Exceedance
- Location without Exceedance
- Sequencing
  - Fill
  - Phase 1
  - Phase 2
  - Phase 3
  - Phase 4
- Cut
  - Phase 1
  - Phase 2
  - Phase 3
  - Phase 4
- Sequencing ID Label
  - F4a Part A
  - C2b Part B

Figure 13E  
 Soil PCBs Exceedances (0-1.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.

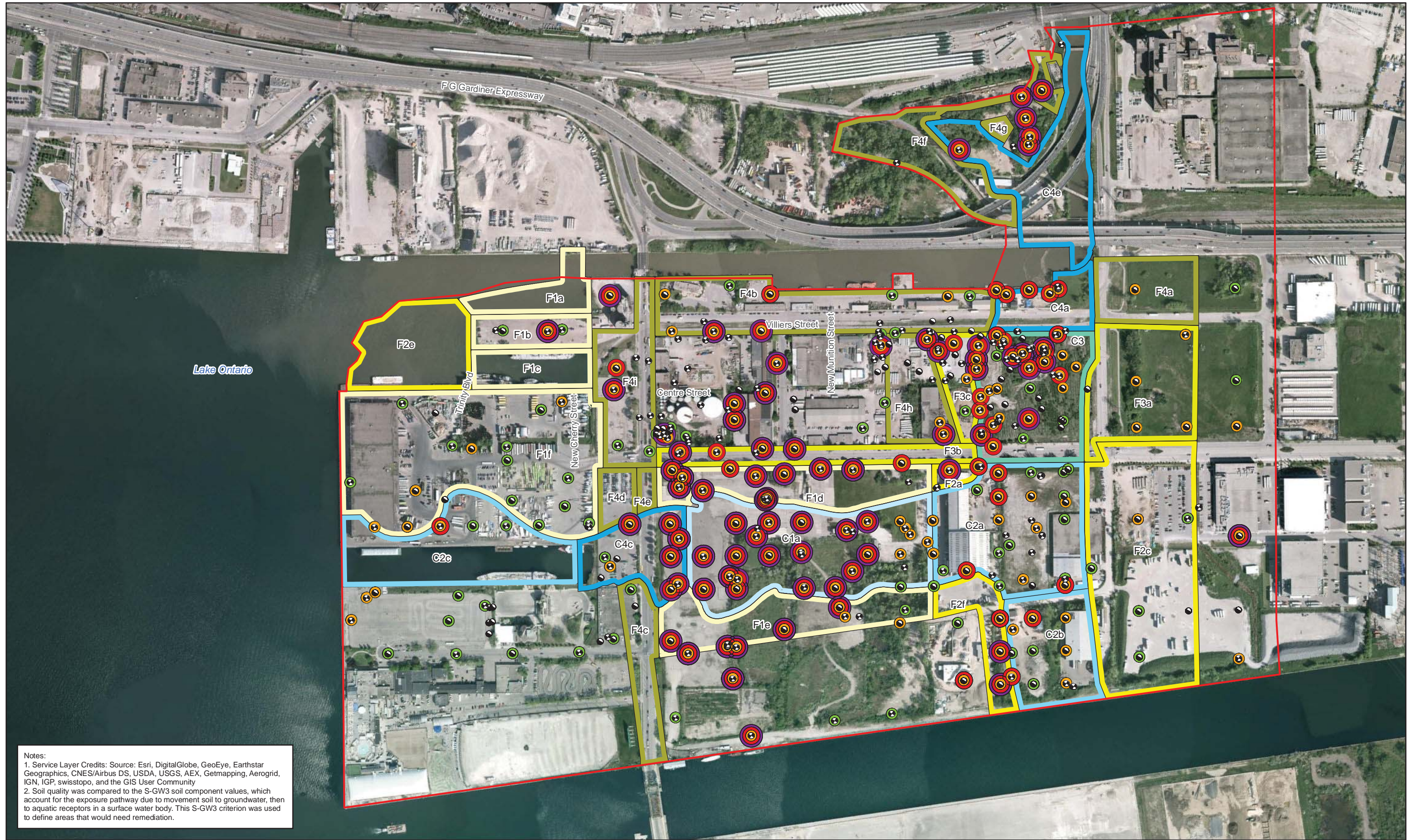


- Soil Sample
  - Soil and Groundwater Sample
  - Stage 2 Study Boundary
  - Location with Table 9 Standard Exceedance
  - Location with Table 3 Standard Exceedance
  - Location with S-GW3 Component Exceedance
  - Location without Exceedance
- |            |         |
|------------|---------|
| Sequencing | Cut     |
| Fill       | Phase 1 |
| Phase 1    | Phase 2 |
| Phase 2    | Phase 3 |
| Phase 3    | Phase 4 |
| Phase 4    |         |
- Sequencing ID Label
- ```

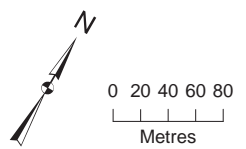
  F4a
  |
  --- Part A
  |
  Phase 4
  |
  --- Part B
  |
  C2b
  |
  --- Phase 2
  |
  Cut
  
```

Figure 13F  
 Soil ABNs, CPs, OCPs and SVOCs Exceedances (0-1.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.



- Soil Sample
- Soil and Groundwater Sample
- Stage 2 Study Boundary
- Location with Table 9 Standard Exceedance
- Location with Table 3 Standard Exceedance
- Location with S-GW3 Component Exceedance
- Location without Exceedance

- Sequencing
- Fill
  - Phase 1
  - Phase 2
  - Phase 3
  - Phase 4

- Cut
- Phase 1
  - Phase 2
  - Phase 3
  - Phase 4
- Sequencing ID Label
- ```

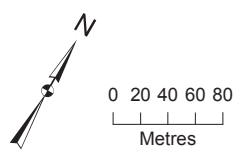
  F4a
  /  \
  Fill Part A
 /    \
Phase 4
  \    /
  Cut  Part B
   \  /
  C2b
   /  \
  Phase 2
  
```

Figure 13G  
 Soil PHCs Exceedances (1.5-4.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





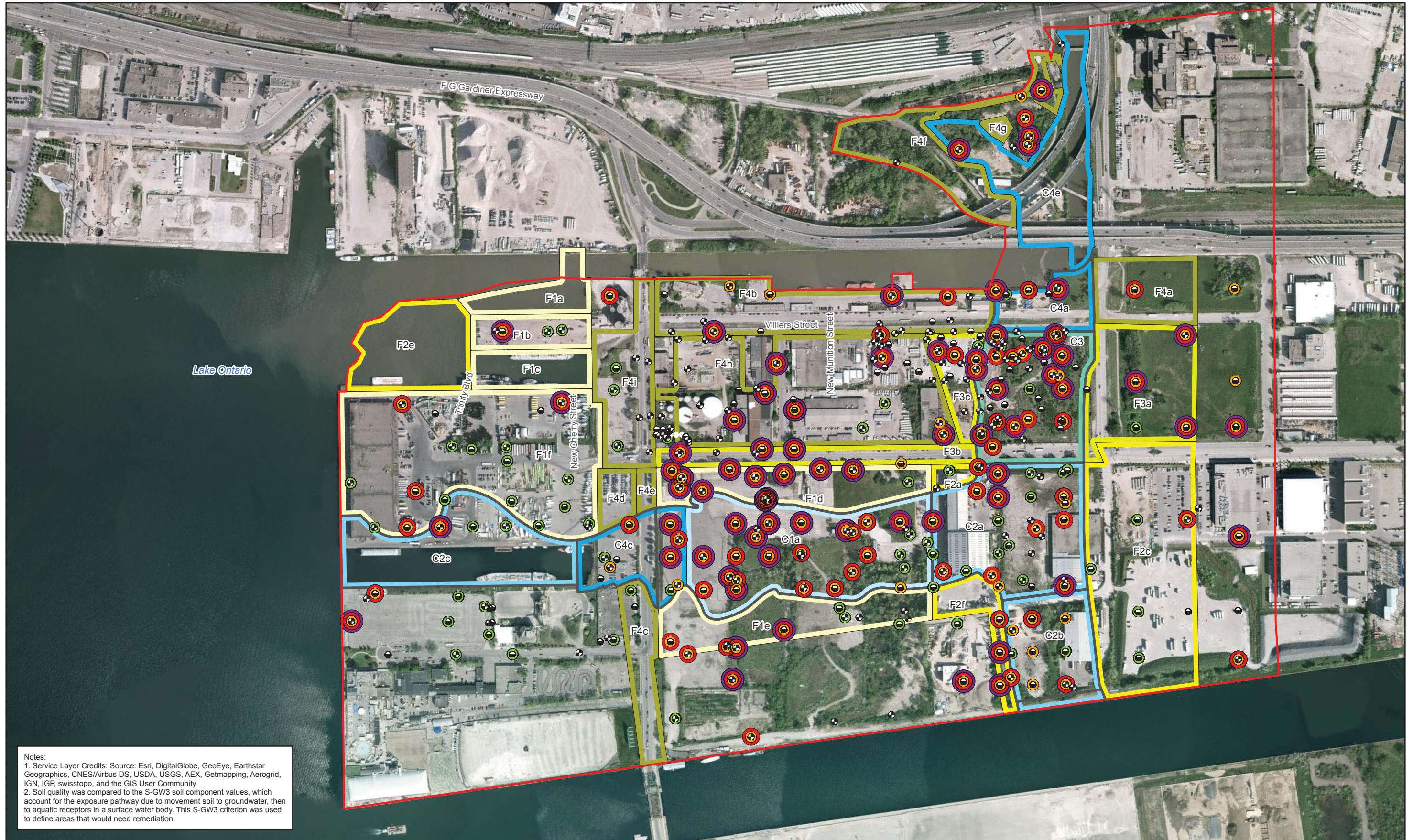
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.



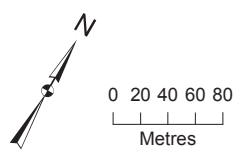
- Soil Sample
  - Soil and Groundwater Sample
  - Stage 2 Study Boundary
  - Extent of River Valley Excavation Area
  - Location with Table 9 Standard Exceedance
  - Location with Table 3 Standard Exceedance
  - Location with S-GW3 Component Exceedance
  - Location without Exceedance
- |                 |                |                     |
|-----------------|----------------|---------------------|
| Sequencing Fill | Sequencing Cut | Sequencing ID Label |
| Phase 1         | Phase 1        | F4a Part A          |
| Phase 2         | Phase 2        | Phase 4             |
| Phase 3         | Phase 3        | C2b Part B          |
| Phase 4         | Phase 4        | Cut Phase 2         |

**Figure 13H**  
 Soil VOCs Exceedances (1.5-4.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





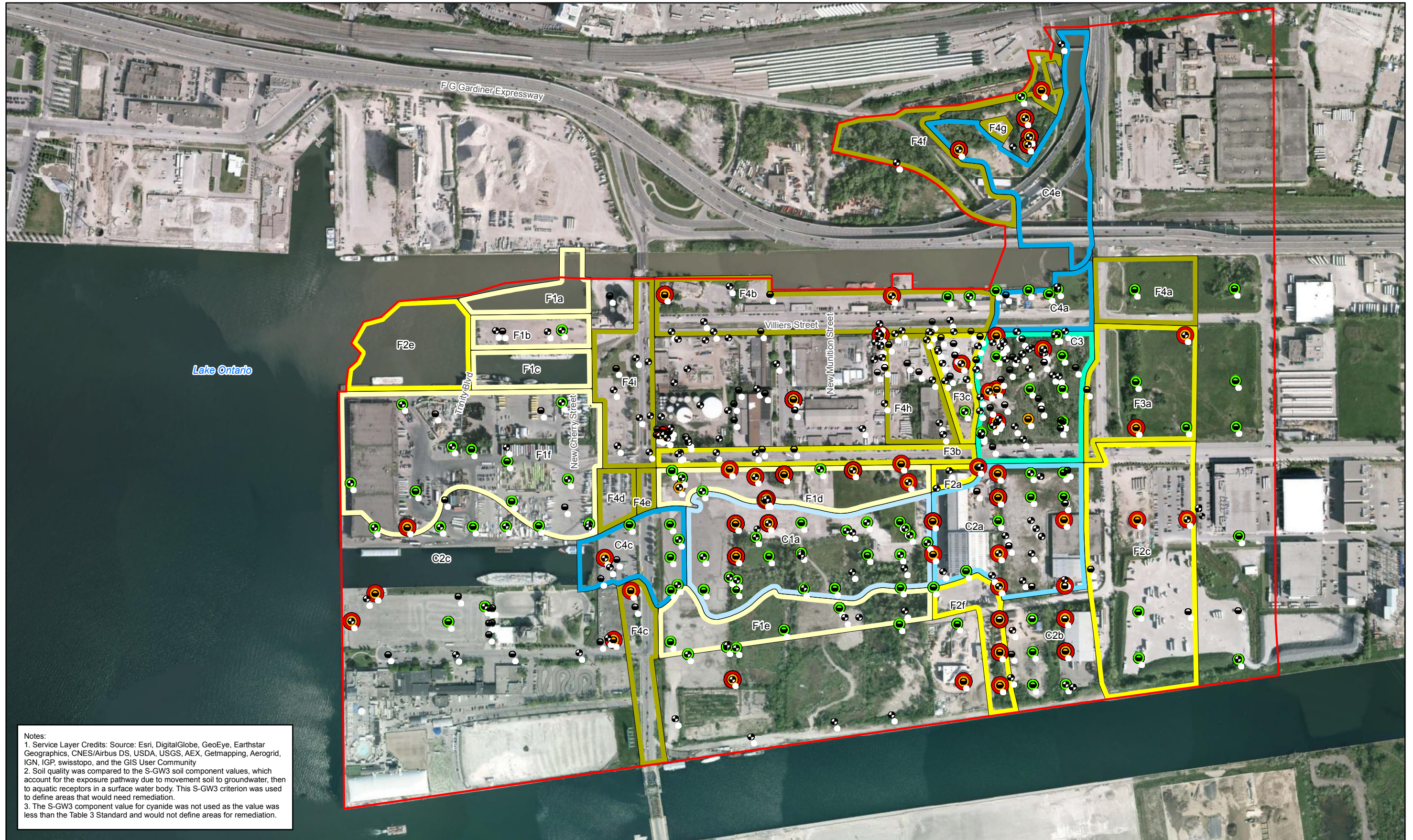
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.



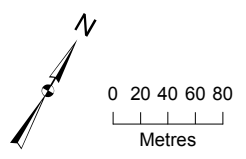
|                                          |                                             |                 |         |                     |
|------------------------------------------|---------------------------------------------|-----------------|---------|---------------------|
| ● Soil Sample                            | ● Location with Table 9 Standard Exceedance | Sequencing Fill | Cut     | Sequencing ID Label |
| ● Soil and Groundwater Sample            | ● Location with Table 3 Standard Exceedance | Phase 1         | Phase 1 | F4a Part A          |
| ▭ Stage 2 Study Boundary                 | ● Location with S-GW3 Component Exceedance  | Phase 2         | Phase 2 | Phase 4             |
| ▭ Extent of River Valley Excavation Area | ● Location without Exceedance               | Phase 3         | Phase 3 | C2b Part B          |
|                                          |                                             | Phase 4         | Phase 4 | Cut Phase 2         |

**Figure 131**  
 Soil PAHs Exceedances (1.5-4.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.  
 3. The S-GW3 component value for cyanide was not used as the value was less than the Table 3 Standard and would not define areas for remediation.



|                               |                                             |            |         |
|-------------------------------|---------------------------------------------|------------|---------|
| ● Soil Sample                 | ● Location with Table 9 Standard Exceedance | Sequencing | Cut     |
| ● Soil and Groundwater Sample | ● Location with Table 3 Standard Exceedance | Fill       | Phase 1 |
| □ Stage 2 Study Boundary      | ● Location with S-GW3 Component Exceedance  | Phase 1    | Phase 2 |
|                               | ● Location without Exceedance               | Phase 2    | Phase 3 |
|                               |                                             | Phase 3    | Phase 4 |
|                               |                                             | Phase 4    |         |

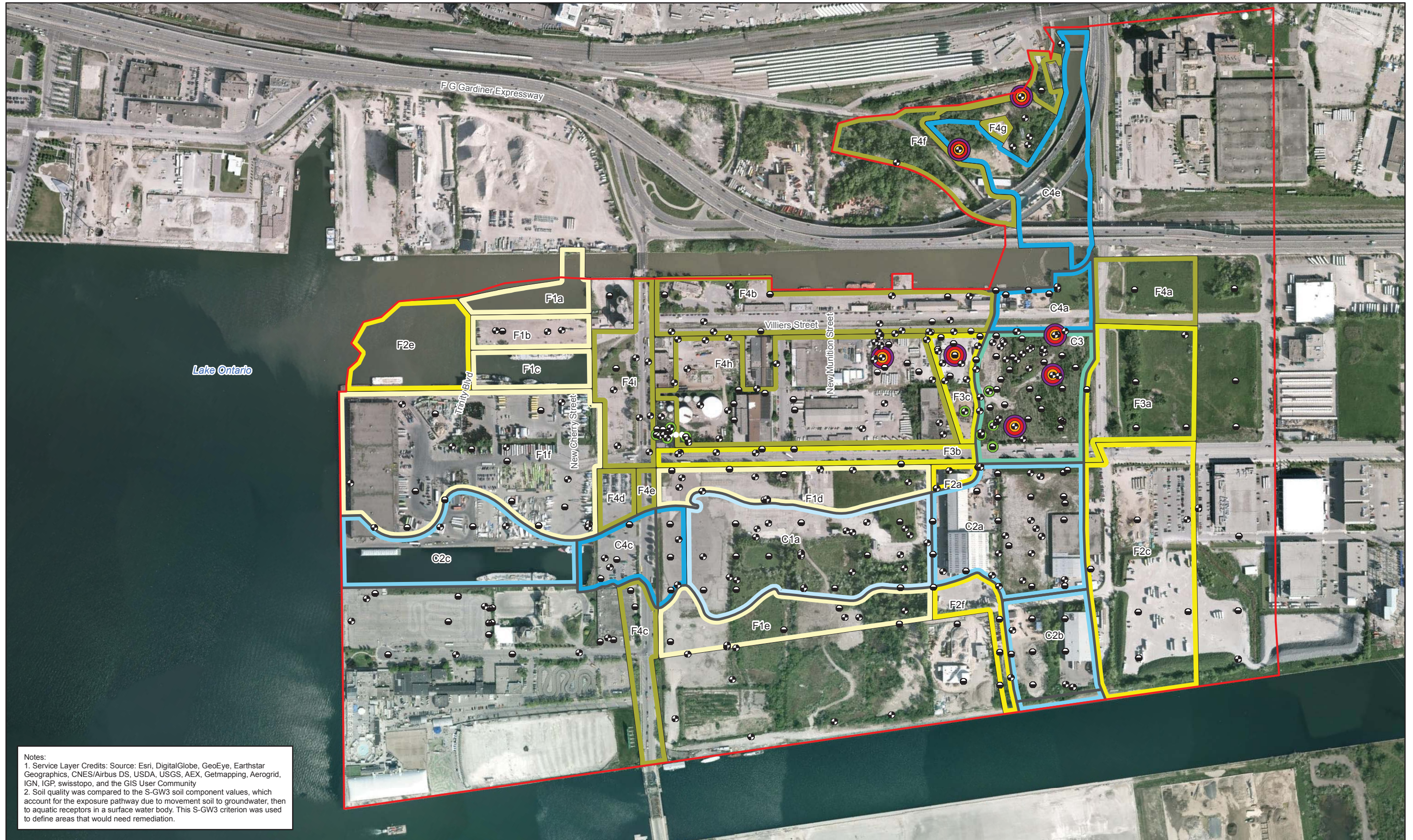
Sequencing ID Label

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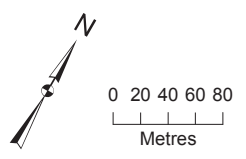
  F4a
  /  \
Fill  Part A
 /    \
Phase 4
 /      \
C2b     Part B
 \      /
  Phase 2
  
```

**Figure 13J**  
 Soil Metals and Inorganics Exceedances (1.5-4.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.



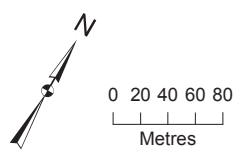
|                                          |                                             |                 |         |                     |
|------------------------------------------|---------------------------------------------|-----------------|---------|---------------------|
| ● Soil Sample                            | ● Location with Table 9 Standard Exceedance | Sequencing Fill | Cut     | Sequencing ID Label |
| ● Soil and Groundwater Sample            | ● Location with Table 3 Standard Exceedance | Phase 1         | Phase 1 | Fill F4a Part A     |
| ▭ Stage 2 Study Boundary                 | ● Location with S-GW3 Component Exceedance  | Phase 2         | Phase 2 | Phase 4             |
| ▭ Extent of River Valley Excavation Area | ● Location without Exceedance               | Phase 3         | Phase 3 | Cut C2b Part B      |
|                                          |                                             | Phase 4         | Phase 4 |                     |

**Figure 13K**  
 Soil ABNs, CPs, OCPs and SVOCs Exceedances (1.5-4.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.



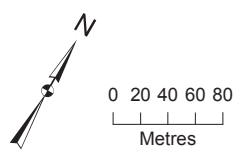
- Soil Sample
- Soil and Groundwater Sample
- ▭ Stage 2 Study Boundary
- ▭ Extent of River Valley Excavation Area
- Location with Table 9 Standard Exceedance
- Location with Table 3 Standard Exceedance
- Location with S-GW3 Component Exceedance
- Location without Exceedance
- Sequencing
- Fill
- Phase 1
- Phase 2
- Phase 3
- Phase 4
- Cut
- Phase 1
- Phase 2
- Phase 3
- Phase 4
- Sequencing ID Label
- Fill
- F4a Part A
- Phase 4
- Cut
- C2b Part B
- Phase 2

Figure 13L  
 Soil PHCs Exceedances (4.5-7.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.



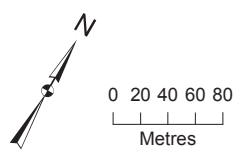
- Soil Sample
  - Soil and Groundwater Sample
  - ▭ Stage 2 Study Boundary
  - ▭ Extent of River Valley Excavation Area
  - Location with Table 9 Standard Exceedance
  - Location with Table 3 Standard Exceedance
  - Location with S-GW3 Component Exceedance
  - Location without Exceedance
- |                       |                      |                     |
|-----------------------|----------------------|---------------------|
| Sequencing Fill       | Sequencing Cut       | Sequencing ID Label |
| Phase 1 (Yellow)      | Phase 1 (Light Blue) | F4a Part A          |
| Phase 2 (Light Green) | Phase 2 (Light Blue) | Phase 4             |
| Phase 3 (Light Green) | Phase 3 (Light Blue) | C2b Part B          |
| Phase 4 (Light Green) | Phase 4 (Light Blue) | Phase 2             |

**Figure 13M**  
 Soil VOCs Exceedances (4.5-7.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.



- Soil Sample
- Soil and Groundwater Sample
- ▭ Stage 2 Study Boundary
- ▭ Extent of River Valley Excavation Area
- Location with Table 9 Standard Exceedance
- Location with Table 3 Standard Exceedance
- Location with S-GW3 Component Exceedance
- Location without Exceedance
- Sequencing Fill
  - ▭ Phase 1
  - ▭ Phase 2
  - ▭ Phase 3
  - ▭ Phase 4
- Sequencing Cut
  - ▭ Phase 1
  - ▭ Phase 2
  - ▭ Phase 3
  - ▭ Phase 4
- Sequencing ID Label
  - Fill F4a Part A
  - Phase 4
  - Cut C2b Part B
  - Phase 2

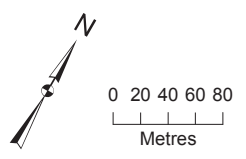
**Figure 13N**  
 Soil PAHs Exceedances (4.5-7.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:

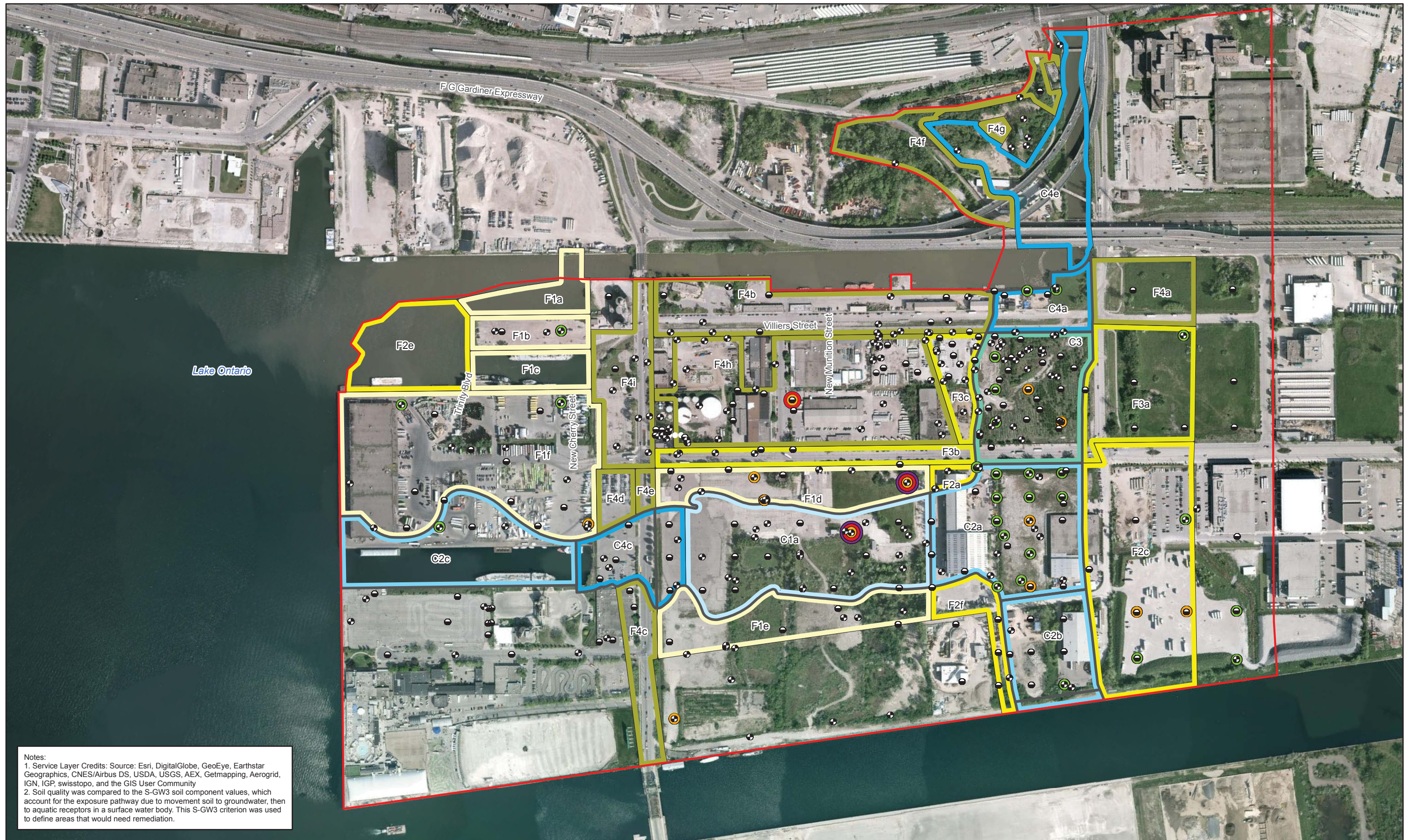
1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.
3. The S-GW3 component value for cyanide was not used as the value was less than the Table 3 Standard and would not define areas for remediation.



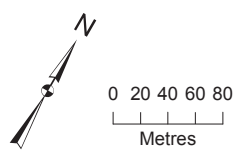
|                                          |                                             |                 |         |                     |
|------------------------------------------|---------------------------------------------|-----------------|---------|---------------------|
| ● Soil Sample                            | ● Location with Table 9 Standard Exceedance | Sequencing Fill | Cut     | Sequencing ID Label |
| ● Soil and Groundwater Sample            | ● Location with Table 3 Standard Exceedance | Phase 1         | Phase 1 | Fill F4a Part A     |
| ▭ Stage 2 Study Boundary                 | ● Location with S-GW3 Component Exceedance  | Phase 2         | Phase 2 | Phase 4             |
| ▭ Extent of River Valley Excavation Area | ● Location without Exceedance               | Phase 3         | Phase 3 | Cut C2b Part B      |
|                                          |                                             | Phase 4         | Phase 4 |                     |

**Figure 130**  
Soil Metals and Inorganics Exceedances (4.5-7.5 m)  
Environmental Assessment and Geotechnical and Earthworks Report  
Waterfront Toronto  
Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.



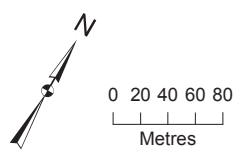
- Soil Sample
  - Soil and Groundwater Sample
  - ▭ Stage 2 Study Boundary
  - ▭ Extent of River Valley Excavation Area
  - Location with Table 9 Standard Exceedance
  - Location with Table 3 Standard Exceedance
  - Location with S-GW3 Component Exceedance
  - Location without Exceedance
- |                                                                                                                                     |                                                                                                                         |                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Sequencing Fill</p> <ul style="list-style-type: none"> <li>Phase 1</li> <li>Phase 2</li> <li>Phase 3</li> <li>Phase 4</li> </ul> | <p>Cut</p> <ul style="list-style-type: none"> <li>Phase 1</li> <li>Phase 2</li> <li>Phase 3</li> <li>Phase 4</li> </ul> | <p>Sequencing ID Label</p> <ul style="list-style-type: none"> <li>F4a Part A</li> <li>Phase 4</li> <li>C2b Part B</li> <li>Phase 2</li> </ul> |
|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|

**Figure 13P**  
 Soil PHCs Exceedances (> 7.5m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.



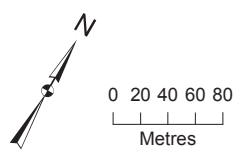
- Soil Sample
- Soil and Groundwater Sample
- Stage 2 Study Boundary
- Extent of River Valley Excavation Area
- Location with Table 9 Standard Exceedance
- Location with Table 3 Standard Exceedance
- Location with S-GW3 Component Exceedance
- Location without Exceedance
- Sequencing Fill
  - Phase 1
  - Phase 2
  - Phase 3
  - Phase 4
- Cut
  - Phase 1
  - Phase 2
  - Phase 3
  - Phase 4
- Sequencing ID Label
  - Fill F4a Part A
  - Phase 4
  - Cut C2b Part B
  - Phase 2

**Figure 13Q**  
 Soil VOCs Exceedances (> 7.5m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





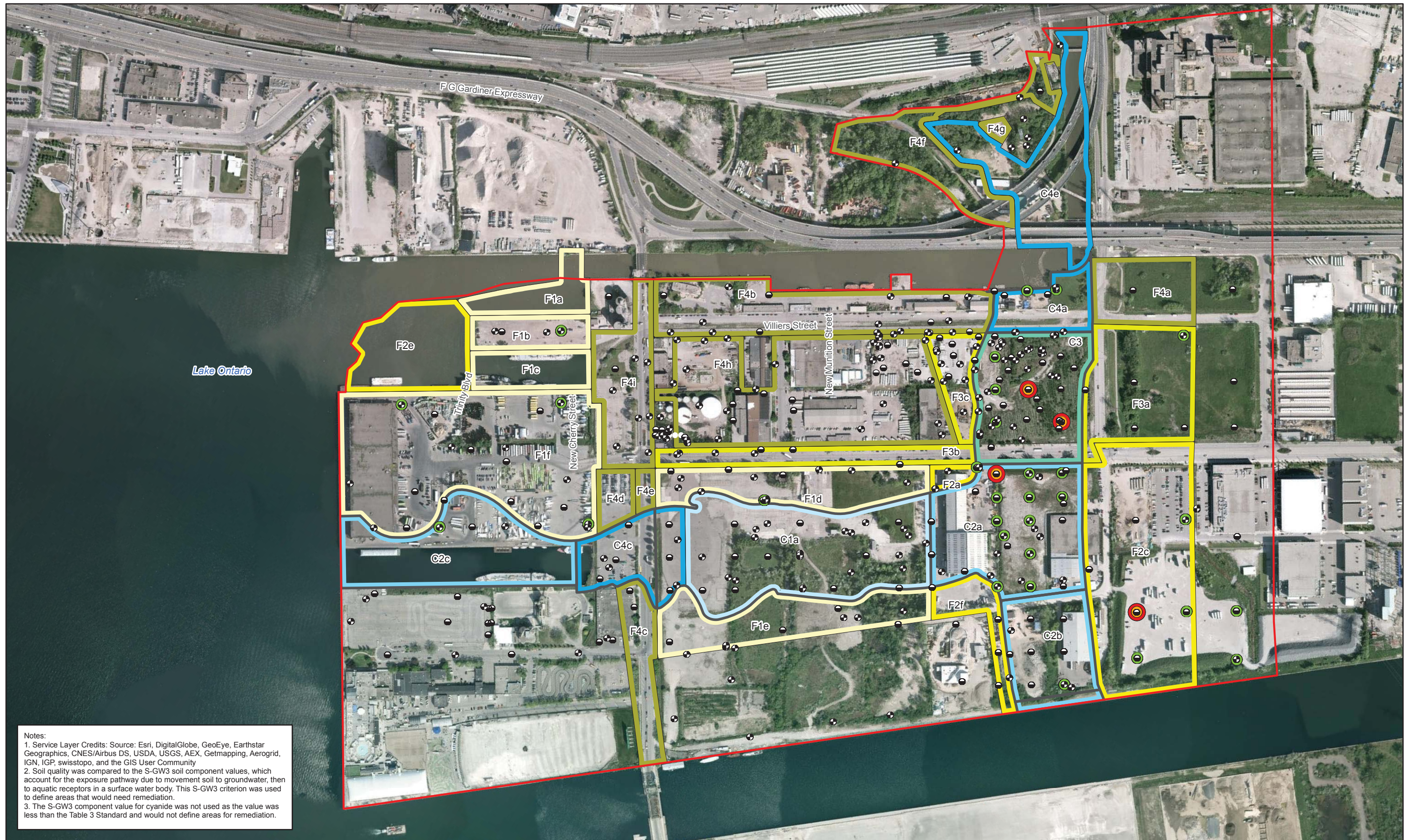
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.



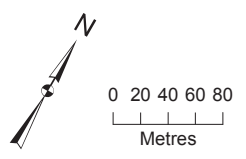
- Soil Sample
- Soil and Groundwater Sample
- ▭ Stage 2 Study Boundary
- ▭ Extent of River Valley Excavation Area
- Location with Table 9 Standard Exceedance
- Location with Table 3 Standard Exceedance
- Location with S-GW3 Component Exceedance
- Location without Exceedance
- Sequencing Fill
  - ▭ Phase 1
  - ▭ Phase 2
  - ▭ Phase 3
  - ▭ Phase 4
- Sequencing Cut
  - ▭ Phase 1
  - ▭ Phase 2
  - ▭ Phase 3
  - ▭ Phase 4
- Sequencing ID Label
  - Fill F4a Part A
  - Phase 4
  - Cut C2b Part B
  - Phase 2

**Figure 13R**  
 Soil PAHs Exceedances (> 7.5m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





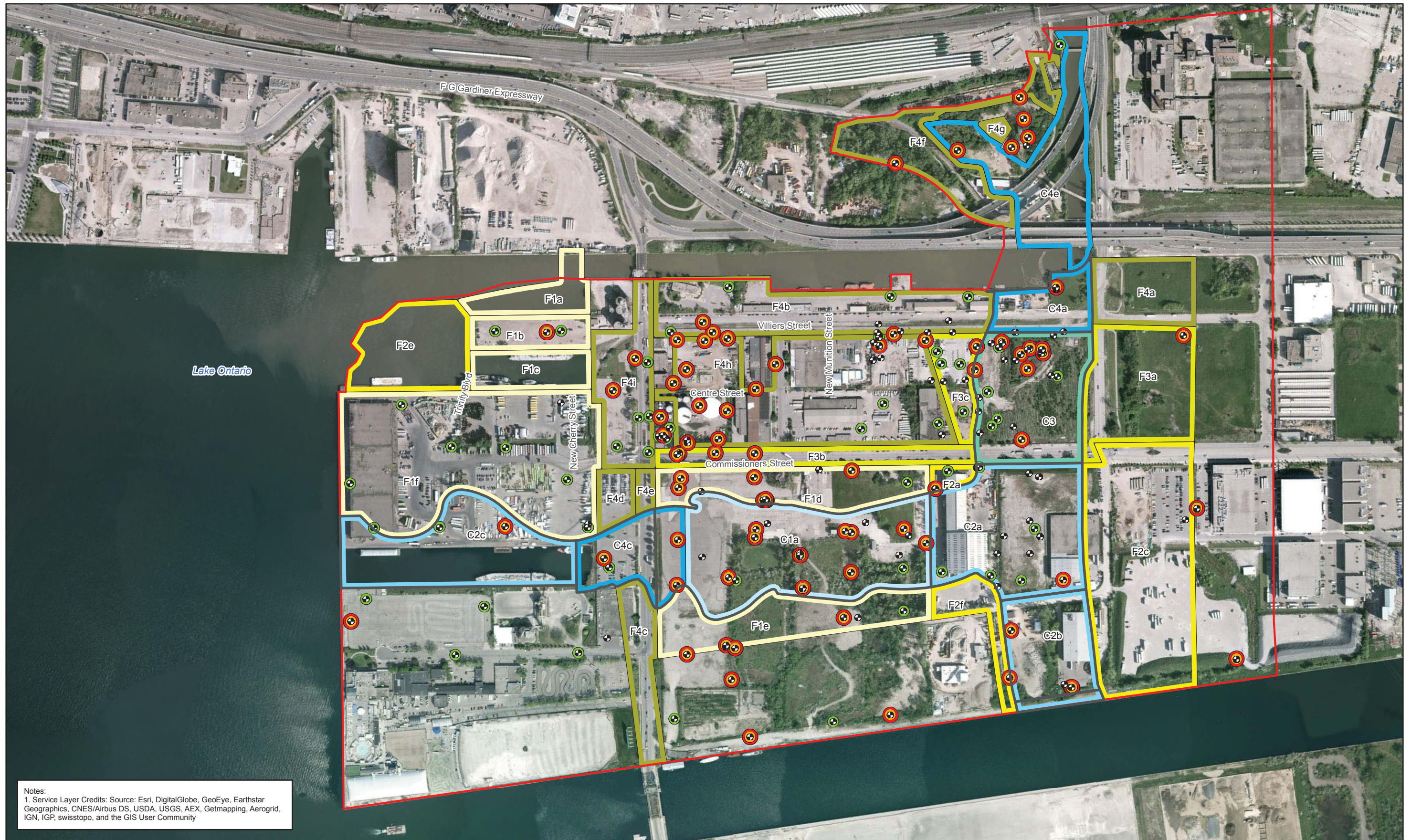
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.  
 3. The S-GW3 component value for cyanide was not used as the value was less than the Table 3 Standard and would not define areas for remediation.



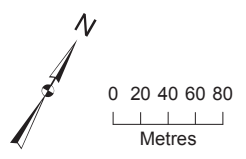
- Soil Sample
  - Soil and Groundwater Sample
  - ▭ Stage 2 Study Boundary
  - ▭ Extent of River Valley Excavation Area
  - Location with Table 9 Standard Exceedance
  - Location with Table 3 Standard Exceedance
  - Location with S-GW3 Component Exceedance
  - Location without Exceedance
- |                 |                |                     |
|-----------------|----------------|---------------------|
| Sequencing Fill | Sequencing Cut | Sequencing ID Label |
| Phase 1         | Phase 1        | F4a Part A          |
| Phase 2         | Phase 2        | Phase 4             |
| Phase 3         | Phase 3        | C2b Part B          |
| Phase 4         | Phase 4        | Cut Phase 2         |

**Figure 13S**  
 Soil Metals and Inorganics Exceedances (> 7.5m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





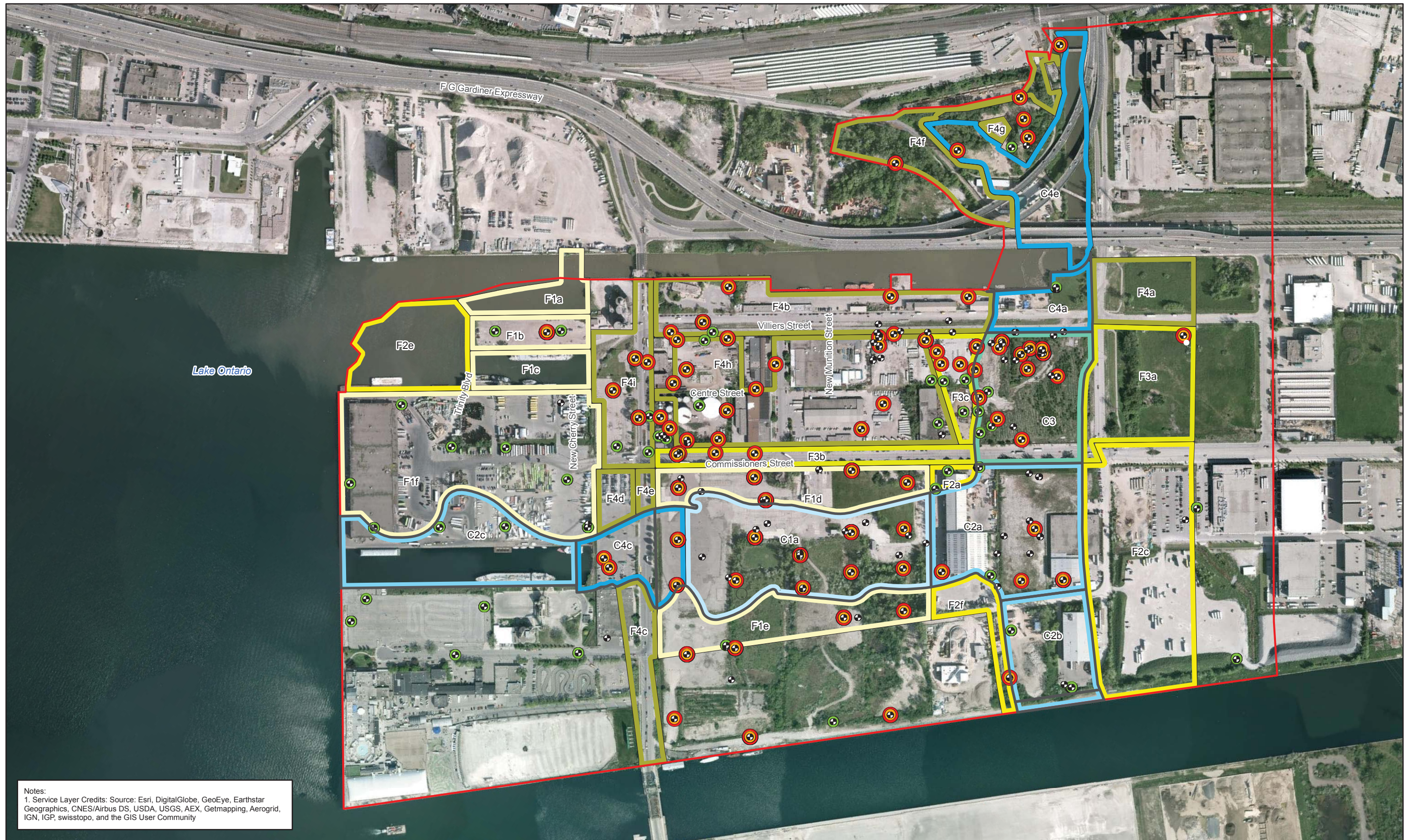
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



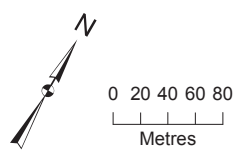
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|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li> Soil and Groundwater Sample</li> <li> Stage 2 Study Boundary</li> <li> Extent of River Valley Excavation Area</li> </ul> | <ul style="list-style-type: none"> <li> Location with Table 9 Standard Exceedance</li> <li> Location with Table 3 Standard Exceedance</li> <li> Location without Exceedance</li> </ul> | <p>Sequencing</p> <ul style="list-style-type: none"> <li> Phase 1</li> <li> Phase 2</li> <li> Phase 3</li> <li> Phase 4</li> </ul> | <p>Cut</p> <ul style="list-style-type: none"> <li> Phase 1</li> <li> Phase 2</li> <li> Phase 3</li> <li> Phase 4</li> </ul> | <p>Sequencing ID Label</p> <ul style="list-style-type: none"> <li>Fill           <ul style="list-style-type: none"> <li>F4a Part A</li> <li>Phase 4</li> </ul> </li> <li>Cut           <ul style="list-style-type: none"> <li>C2b Part B</li> <li>Phase 2</li> </ul> </li> </ul> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Figure 14A**  
 Groundwater PHCs Exceedances (0-3.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





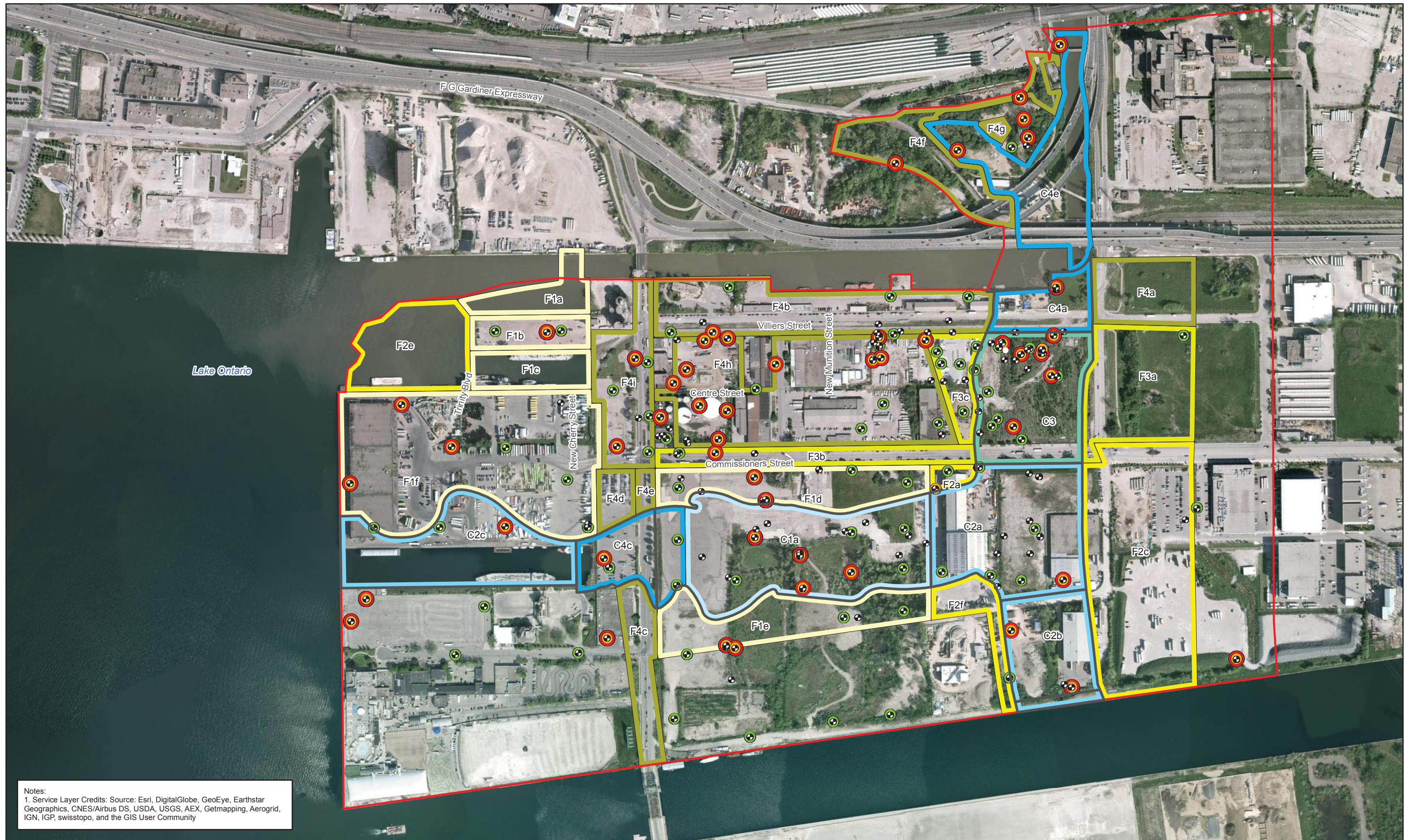
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



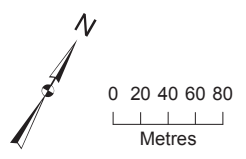
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|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li> Soil and Groundwater Sample</li> <li> Stage 2 Study Boundary</li> <li> Extent of River Valley Excavation Area</li> </ul> | <ul style="list-style-type: none"> <li> Location with Table 9 Standard Exceedance</li> <li> Location with Table 3 Standard Exceedance</li> <li> Location without Exceedance</li> </ul> | <p>Sequencing</p> <ul style="list-style-type: none"> <li> Phase 1</li> <li> Phase 2</li> <li> Phase 3</li> <li> Phase 4</li> </ul> | <p>Cut</p> <ul style="list-style-type: none"> <li> Phase 1</li> <li> Phase 2</li> <li> Phase 3</li> <li> Phase 4</li> </ul> | <p>Sequencing ID Label</p> <ul style="list-style-type: none"> <li>Fill           <ul style="list-style-type: none"> <li>F4a Part A</li> <li>Phase 4</li> </ul> </li> <li>Cut           <ul style="list-style-type: none"> <li>C2b Part B</li> <li>Phase 2</li> </ul> </li> </ul> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Figure 14B**  
 Groundwater VOCs Exceedances (0-3.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





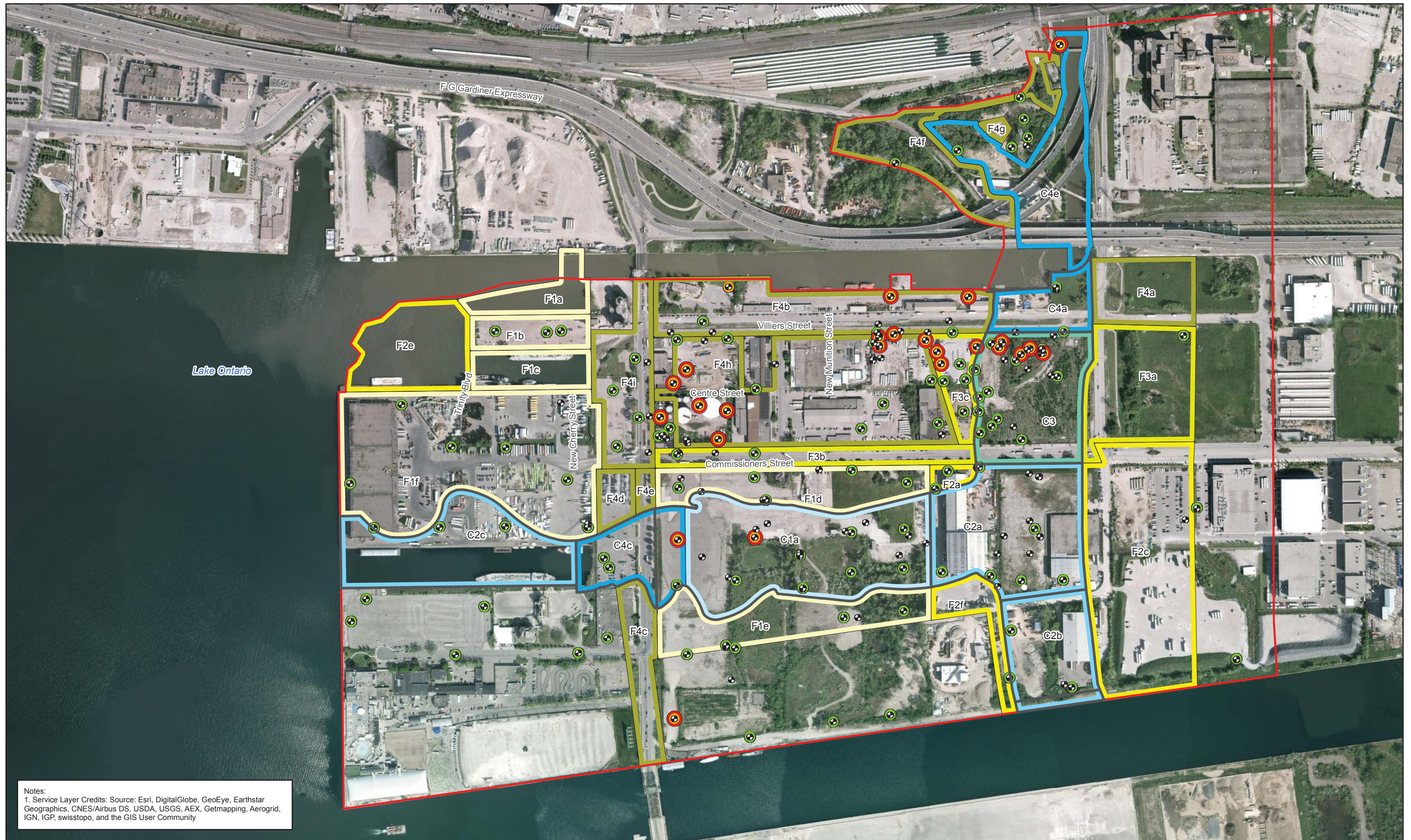
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



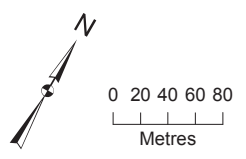
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|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li> Soil and Groundwater Sample</li> <li> Stage 2 Study Boundary</li> <li> Extent of River Valley Excavation Area</li> </ul> | <ul style="list-style-type: none"> <li> Location with Table 9 Standard Exceedance</li> <li> Location with Table 3 Standard Exceedance</li> <li> Location without Exceedance</li> </ul> | <p>Sequencing</p> <ul style="list-style-type: none"> <li> Phase 1</li> <li> Phase 2</li> <li> Phase 3</li> <li> Phase 4</li> </ul> | <p>Cut</p> <ul style="list-style-type: none"> <li> Phase 1</li> <li> Phase 2</li> <li> Phase 3</li> <li> Phase 4</li> </ul> | <p>Sequencing ID Label</p> <ul style="list-style-type: none"> <li>Fill           <ul style="list-style-type: none"> <li>F4a Part A</li> <li>Phase 4</li> </ul> </li> <li>Cut           <ul style="list-style-type: none"> <li>C2b Part B</li> <li>Phase 2</li> </ul> </li> </ul> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Figure 14C**  
 Groundwater PAHs Exceedances (0-3.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



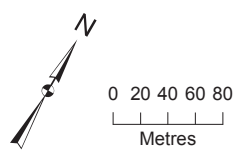
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|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li> Soil and Groundwater Sample</li> <li> Stage 2 Study Boundary</li> <li> Extent of River Valley Excavation Area</li> </ul> | <ul style="list-style-type: none"> <li> Location with Table 9 Standard Exceedance</li> <li> Location with Table 3 Standard Exceedance</li> <li> Location without Exceedance</li> </ul> | <p>Sequencing</p> <p>Fill</p> <ul style="list-style-type: none"> <li> Phase 1</li> <li> Phase 2</li> <li> Phase 3</li> <li> Phase 4</li> </ul> | <p>Cut</p> <ul style="list-style-type: none"> <li> Phase 1</li> <li> Phase 2</li> <li> Phase 3</li> <li> Phase 4</li> </ul> | <p>Sequencing ID Label</p> <p>Fill</p> <p style="margin-left: 20px;">F4a Part A</p> <p style="margin-left: 20px;">Phase 4</p> <p>Cut</p> <p style="margin-left: 20px;">C2b Part B</p> <p style="margin-left: 20px;">Phase 2</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Figure 14D**  
 Groundwater Inorganics Exceedances (0-3.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



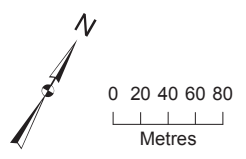
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|------------------------------------------|---------------------------------------------|------------|-----------|---------------------|
| ● Soil and Groundwater Sample            | ● Location with Table 9 Standard Exceedance | Sequencing | Cut       | Sequencing ID Label |
| ▭ Stage 2 Study Boundary                 | ● Location with Table 3 Standard Exceedance | Fill       | ▭ Phase 1 | F4a Part A          |
| ▭ Extent of River Valley Excavation Area | ● Location without Exceedance               | ▭ Phase 1  | ▭ Phase 2 | Phase 4             |
|                                          |                                             | ▭ Phase 2  | ▭ Phase 3 | Part B              |
|                                          |                                             | ▭ Phase 3  | ▭ Phase 4 | C2b Part B          |
|                                          |                                             | ▭ Phase 4  |           | Phase 2             |

**Figure 14E**  
 Groundwater PHCs Exceedances (3.5-7.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



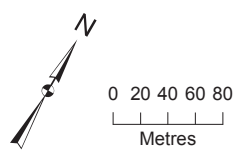
- Soil and Groundwater Sample
- ▭ Stage 2 Study Boundary
- ▭ Extent of River Valley Excavation Area
- Location with Table 9 Standard Exceedance
- Location with Table 3 Standard Exceedance
- Location without Exceedance
- Sequencing Fill
  - ▭ Phase 1
  - ▭ Phase 2
  - ▭ Phase 3
  - ▭ Phase 4
- Cut
  - ▭ Phase 1
  - ▭ Phase 2
  - ▭ Phase 3
  - ▭ Phase 4
- Sequencing ID Label
  - Fill F4a Part A
  - Phase 4
  - Cut C2b Part B
  - Phase 2

**Figure 14F**  
 Groundwater VOCs Exceedances (3.5-7.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





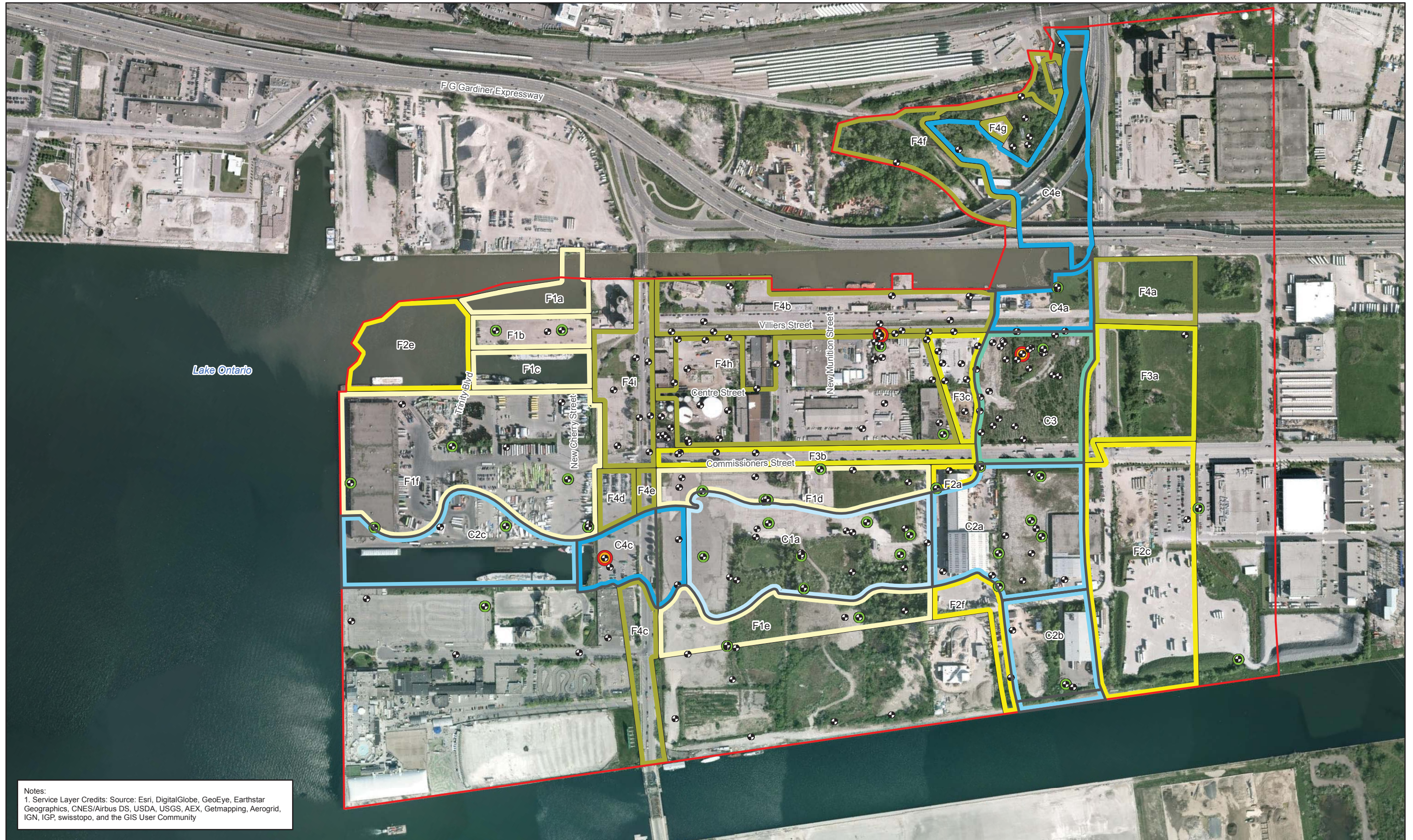
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



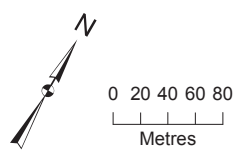
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|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li> Soil and Groundwater Sample</li> <li> Stage 2 Study Boundary</li> <li> Extent of River Valley Excavation Area</li> </ul> | <ul style="list-style-type: none"> <li> Location with Table 9 Standard Exceedance</li> <li> Location with Table 3 Standard Exceedance</li> <li> Location without Exceedance</li> </ul> | <p>Sequencing</p> <p>Fill</p> <ul style="list-style-type: none"> <li> Phase 1</li> <li> Phase 2</li> <li> Phase 3</li> <li> Phase 4</li> </ul> | <p>Cut</p> <ul style="list-style-type: none"> <li> Phase 1</li> <li> Phase 2</li> <li> Phase 3</li> <li> Phase 4</li> </ul> | <p>Sequencing ID Label</p> <p>Fill</p> <p style="margin-left: 20px;">F4a Part A</p> <p style="margin-left: 20px;">Phase 4</p> <p>Cut</p> <p style="margin-left: 20px;">C2b Part B</p> <p style="margin-left: 20px;">Phase 2</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Figure 14G**  
 Groundwater PAHs Exceedances (3.5-7.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





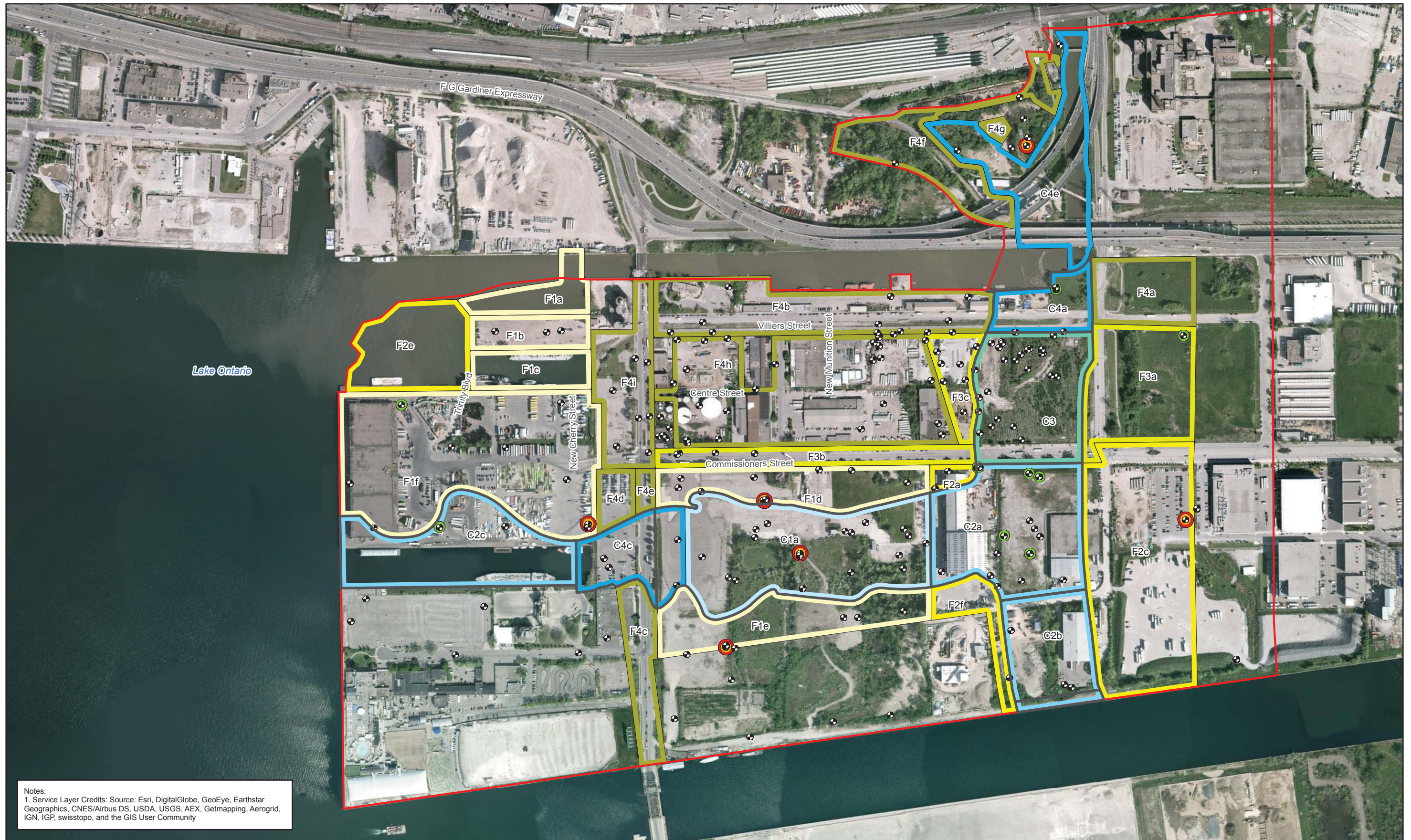
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



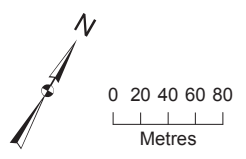
|                                          |                                             |            |           |                     |
|------------------------------------------|---------------------------------------------|------------|-----------|---------------------|
| ● Soil and Groundwater Sample            | ● Location with Table 9 Standard Exceedance | Sequencing | Cut       | Sequencing ID Label |
| ▭ Stage 2 Study Boundary                 | ● Location with Table 3 Standard Exceedance | Fill       | ▭ Phase 1 | Fill F4a Part A     |
| ▭ Extent of River Valley Excavation Area | ● Location without Exceedance               | ▭ Phase 1  | ▭ Phase 2 | Phase 4             |
|                                          |                                             | ▭ Phase 2  | ▭ Phase 3 | Cut C2b Part B      |
|                                          |                                             | ▭ Phase 3  | ▭ Phase 4 | Phase 2             |
|                                          |                                             | ▭ Phase 4  |           |                     |

**Figure 14H**  
 Groundwater Inorganics Exceedances (3.5-7.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



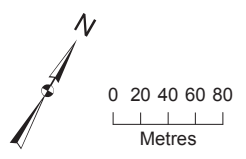
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|------------------------------------------|---------------------------------------------|------------|-----------|---------------------|
| ● Soil and Groundwater Sample            | ● Location with Table 9 Standard Exceedance | Sequencing | Cut       | Sequencing ID Label |
| ▭ Stage 2 Study Boundary                 | ● Location with Table 3 Standard Exceedance | Fill       | ▭ Phase 1 | F4a                 |
| ▭ Extent of River Valley Excavation Area | ● Location without Exceedance               | ▭ Phase 1  | ▭ Phase 2 | Part A              |
|                                          |                                             | ▭ Phase 2  | ▭ Phase 3 | Phase 4             |
|                                          |                                             | ▭ Phase 3  | ▭ Phase 4 | Part B              |
|                                          |                                             | ▭ Phase 4  |           | Phase 2             |

**Figure 141**  
 Groundwater PHCs Exceedances (> 7.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





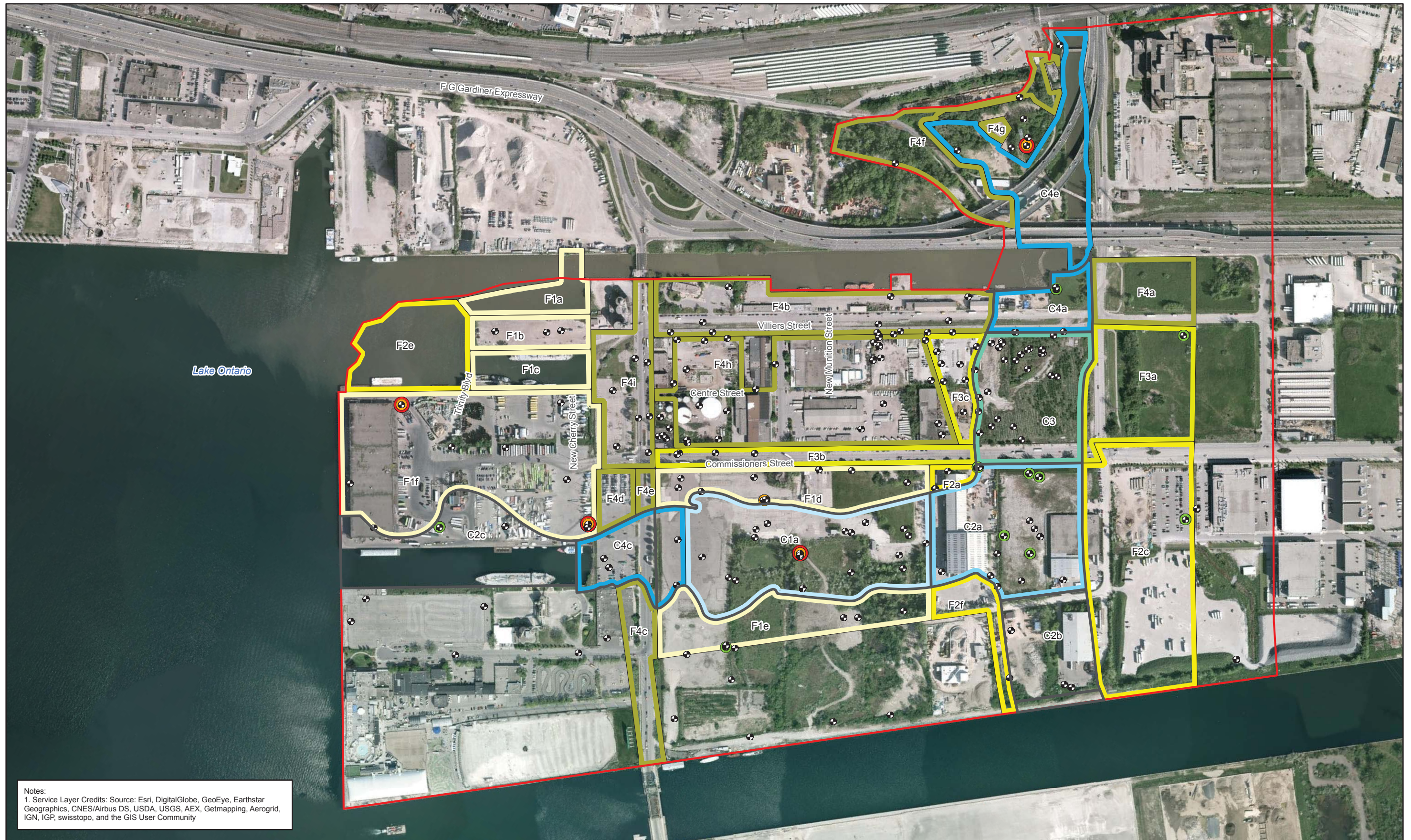
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 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



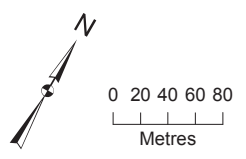
- Soil and Groundwater Sample
- ▭ Stage 2 Study Boundary
- ▭ Extent of River Valley Excavation Area
- Location with Table 9 Standard Exceedance
- Location with Table 3 Standard Exceedance
- Location without Exceedance
- Sequencing Fill
  - Phase 1
  - Phase 2
  - Phase 3
  - Phase 4
- Cut
  - Phase 1
  - Phase 2
  - Phase 3
  - Phase 4
- Sequencing ID Label
  - Fill F4a Part A
  - Phase 4
  - Cut C2b Part B
  - Phase 2

**Figure 14J**  
 Groundwater VOCs Exceedances (> 7.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





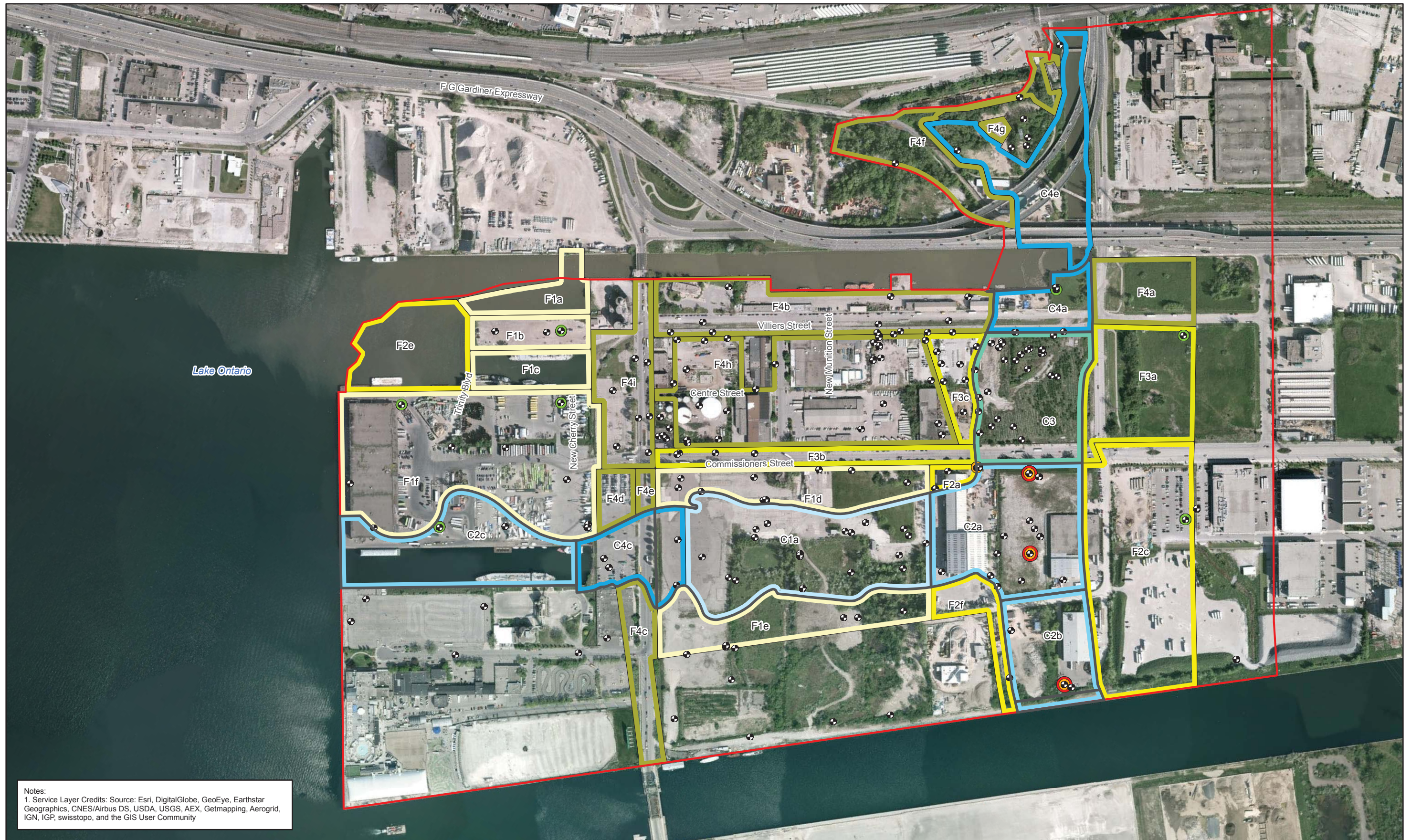
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



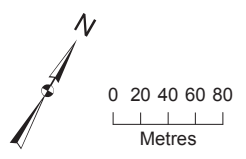
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|------------------------------------------|---------------------------------------------|------------|-----------|---------------------|
| ● Soil and Groundwater Sample            | ● Location with Table 9 Standard Exceedance | Sequencing | Cut       | Sequencing ID Label |
| ▭ Stage 2 Study Boundary                 | ● Location with Table 3 Standard Exceedance | Fill       | ▭ Phase 1 | Fill F4a Part A     |
| ▭ Extent of River Valley Excavation Area | ● Location without Exceedance               | ▭ Phase 1  | ▭ Phase 2 | Phase 4             |
|                                          |                                             | ▭ Phase 2  | ▭ Phase 3 | Cut C2b Part B      |
|                                          |                                             | ▭ Phase 3  | ▭ Phase 4 | Phase 2             |
|                                          |                                             | ▭ Phase 4  |           |                     |

**Figure 14K**  
 Groundwater PAHs Exceedances (> 7.5 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





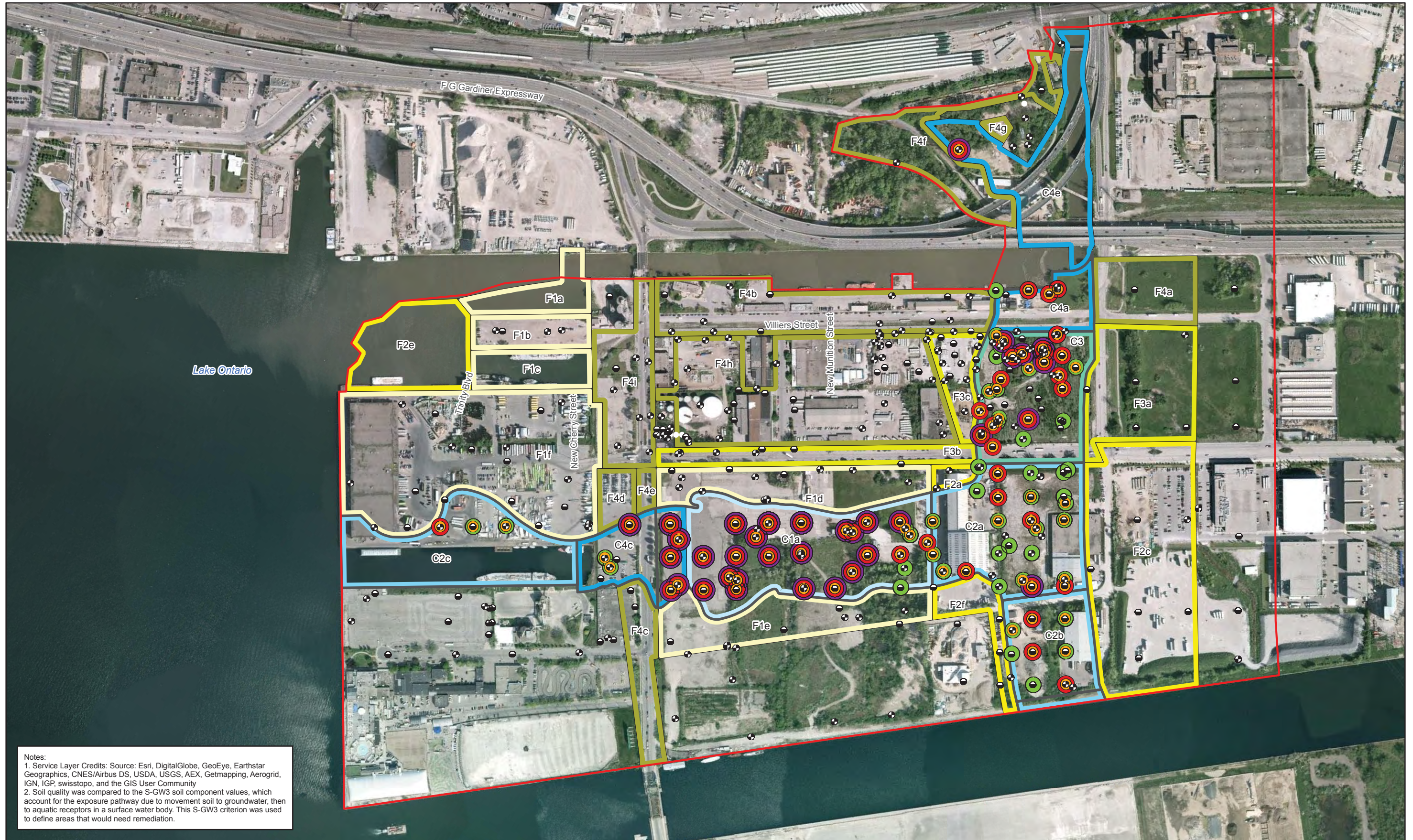
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



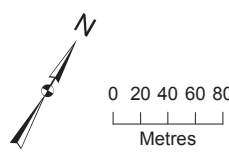
|                                          |                                             |            |           |                     |
|------------------------------------------|---------------------------------------------|------------|-----------|---------------------|
| ● Soil and Groundwater Sample            | ● Location with Table 9 Standard Exceedance | Sequencing | Cut       | Sequencing ID Label |
| ▭ Stage 2 Study Boundary                 | ● Location with Table 3 Standard Exceedance | Fill       | ▭ Phase 1 | Fill F4a Part A     |
| ▭ Extent of River Valley Excavation Area | ● Location without Exceedance               | Phase 1    | ▭ Phase 2 | Phase 4             |
|                                          |                                             | Phase 2    | ▭ Phase 3 | Cut C2b Part B      |
|                                          |                                             | Phase 3    | ▭ Phase 4 | Phase 2             |
|                                          |                                             | Phase 4    |           |                     |

**Figure 14L**  
 Groundwater Inorganics Exceedances (Bedrock)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





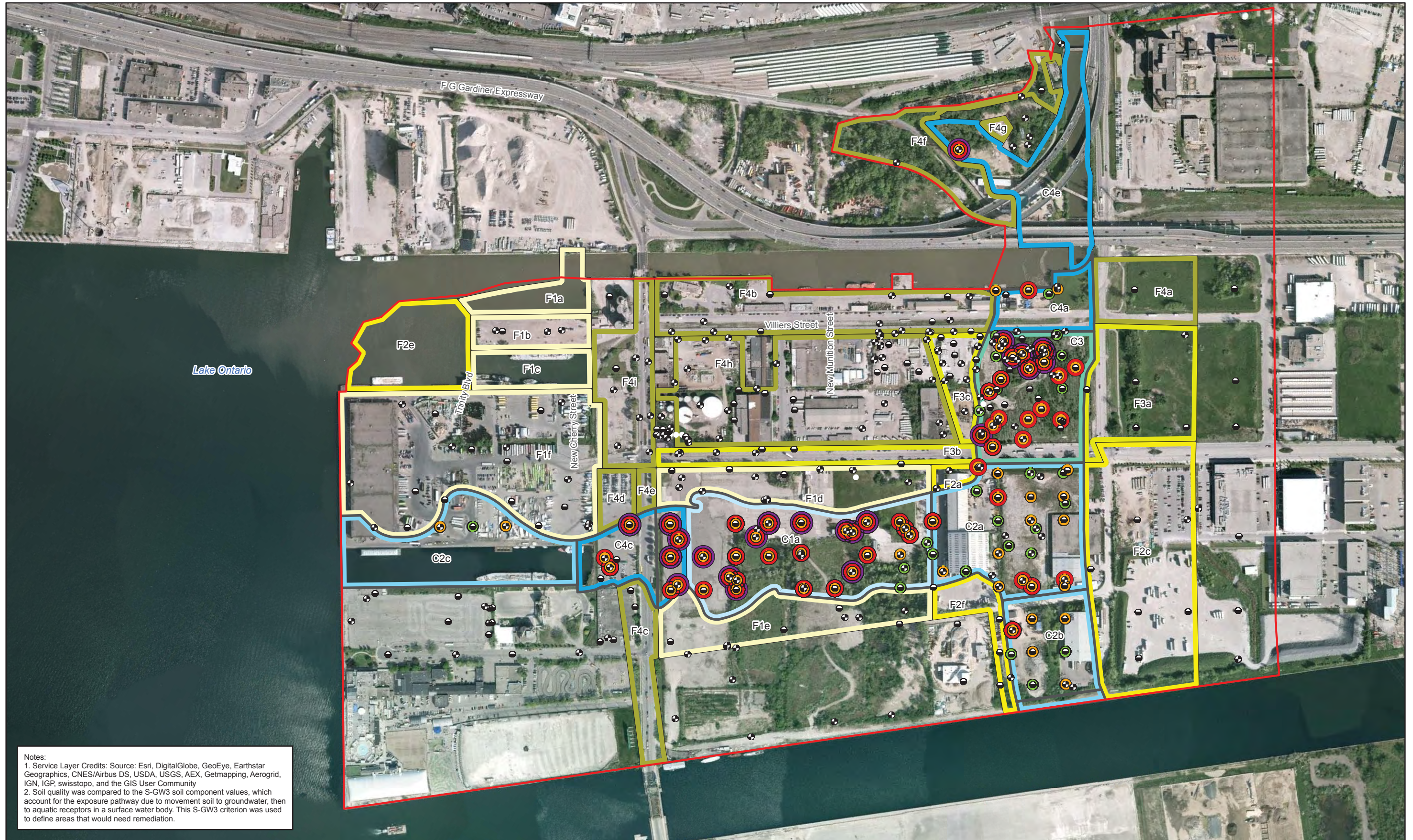
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.



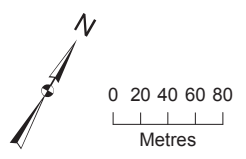
- Soil Sample
  - Soil and Groundwater Sample
  - ▭ Stage 2 Study Boundary
  - ▭ Extent of River Valley Excavation Area
  - Location with Table 9 Standard Exceedance
  - Location with Table 3 Standard Exceedance
  - Location with S-GW3 Component Exceedance
  - Location without Exceedance
- |                                                                                                                                             |                                                                                                                                 |                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Sequencing Fill</p> <ul style="list-style-type: none"> <li>▭ Phase 1</li> <li>▭ Phase 2</li> <li>▭ Phase 3</li> <li>▭ Phase 4</li> </ul> | <p>Cut</p> <ul style="list-style-type: none"> <li>▭ Phase 1</li> <li>▭ Phase 2</li> <li>▭ Phase 3</li> <li>▭ Phase 4</li> </ul> | <p>Sequencing ID Label</p> <ul style="list-style-type: none"> <li>▭ F4a Part A</li> <li>▭ Phase 4</li> <li>▭ C2b Part B</li> <li>▭ Phase 2</li> </ul> |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

**Figure 15A**  
 Soil PHCs Exceedances (Above Cut)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





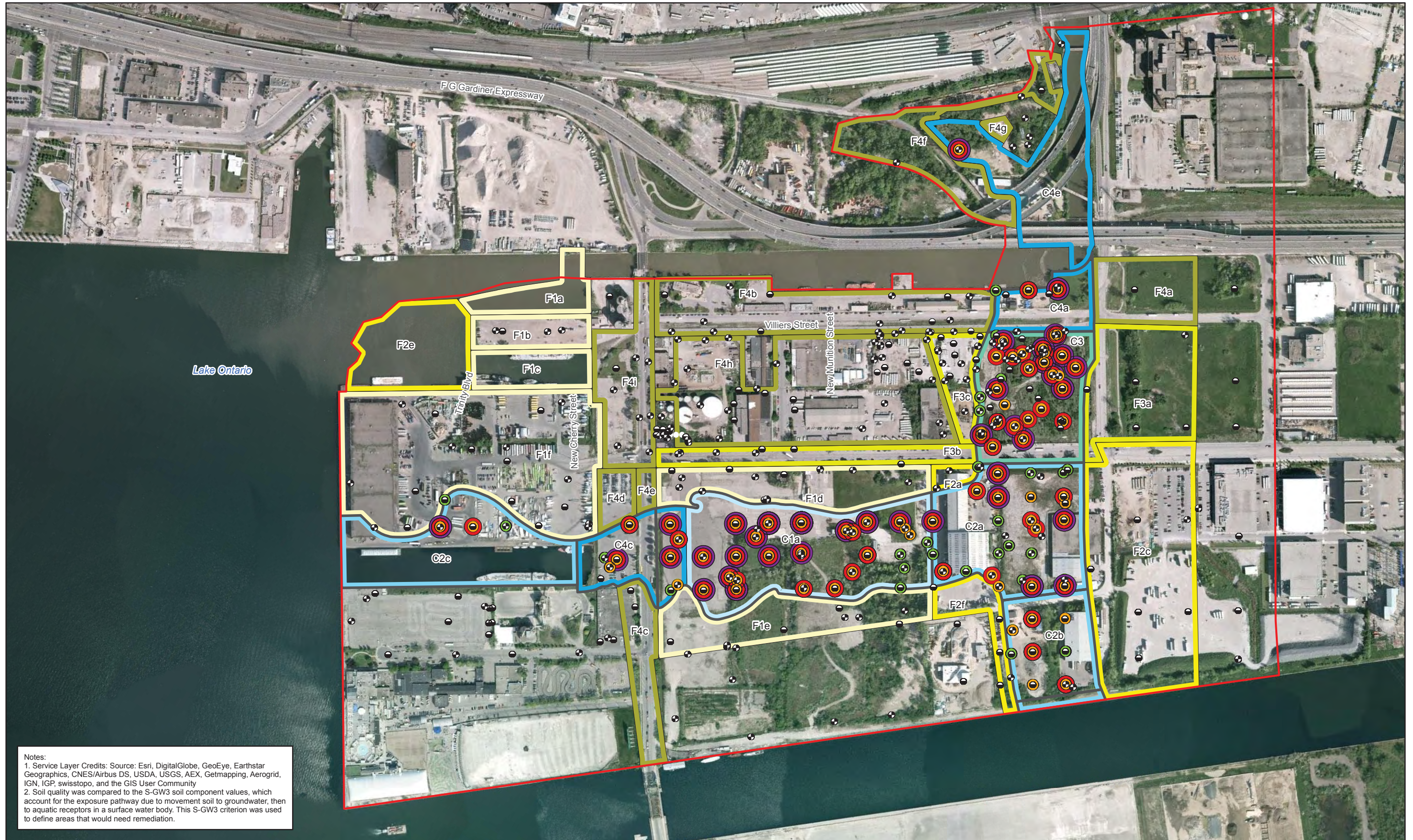
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.



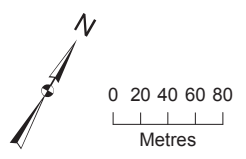
- Soil Sample
- Soil and Groundwater Sample
- ▭ Stage 2 Study Boundary
- ▭ Extent of River Valley Excavation Area
- Location with Table 9 Standard Exceedance
- Location with Table 3 Standard Exceedance
- Location with S-GW3 Component Exceedance
- Location without Exceedance
- Sequencing Fill
  - ▭ Phase 1
  - ▭ Phase 2
  - ▭ Phase 3
  - ▭ Phase 4
- Sequencing Cut
  - ▭ Phase 1
  - ▭ Phase 2
  - ▭ Phase 3
  - ▭ Phase 4
- Sequencing ID Label
  - Fill F4a Part A
  - Phase 4
  - Cut C2b Part B
  - Phase 2

**Figure 15B**  
 Soil VOCs Exceedances (Above Cut)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





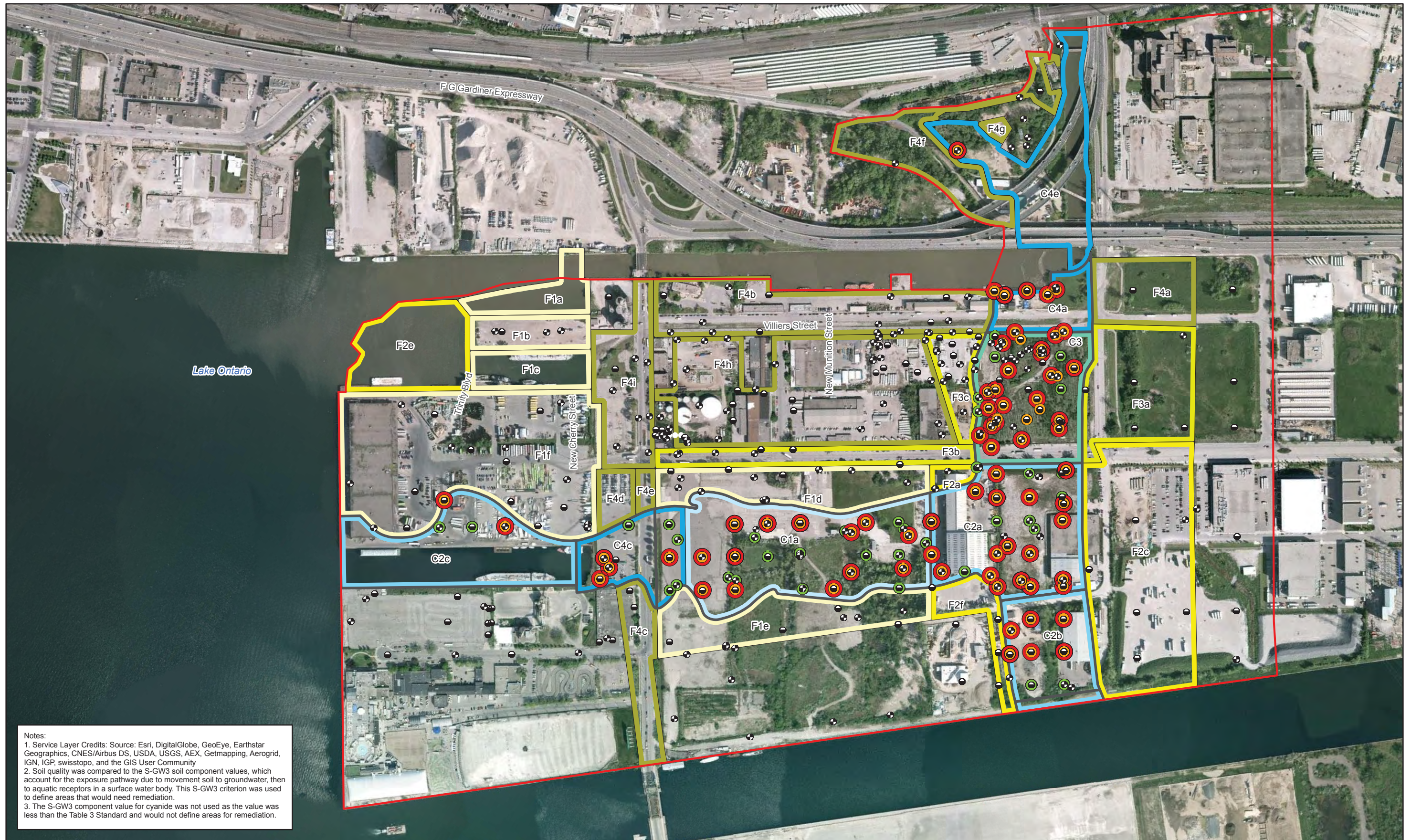
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.



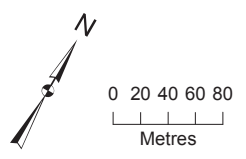
- Soil Sample
  - Soil and Groundwater Sample
  - ▭ Stage 2 Study Boundary
  - ▭ Extent of River Valley Excavation Area
  - Location with Table 9 Standard Exceedance
  - Location with Table 3 Standard Exceedance
  - Location with S-GW3 Component Exceedance
  - Location without Exceedance
- |                       |                      |                     |
|-----------------------|----------------------|---------------------|
| Sequencing Fill       | Cut                  | Sequencing ID Label |
| Phase 1 (Yellow)      | Phase 1 (Light Blue) | F4a Part A          |
| Phase 2 (Light Green) | Phase 2 (Light Blue) | Phase 4             |
| Phase 3 (Light Green) | Phase 3 (Light Blue) | C2b Part B          |
| Phase 4 (Light Green) | Phase 4 (Light Blue) | Phase 2             |

**Figure 15C**  
 Soil PAHs Exceedances (Above Cut)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





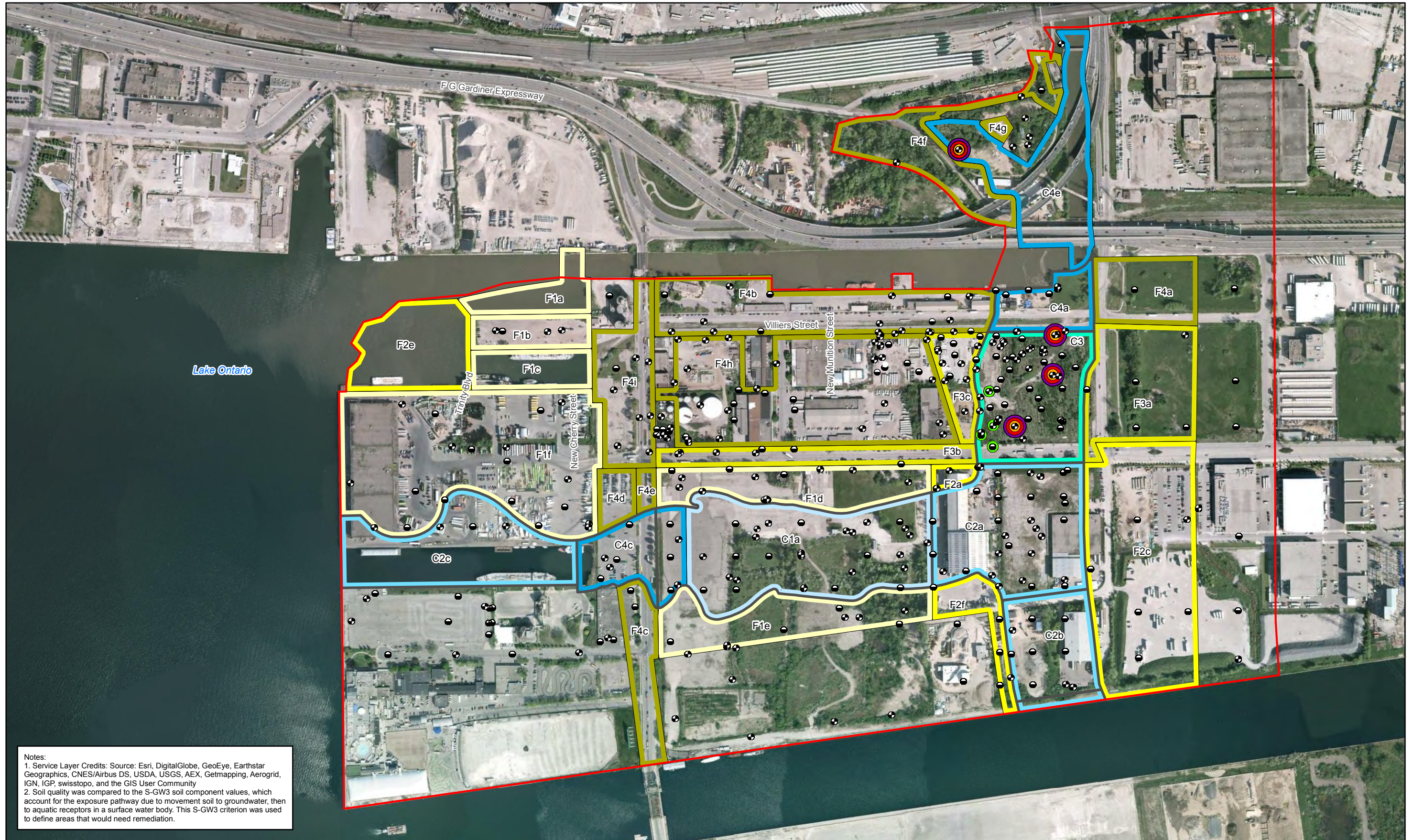
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.  
 3. The S-GW3 component value for cyanide was not used as the value was less than the Table 3 Standard and would not define areas for remediation.



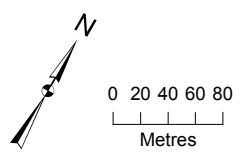
|                                          |                                             |                 |         |                                                                       |
|------------------------------------------|---------------------------------------------|-----------------|---------|-----------------------------------------------------------------------|
| ● Soil Sample                            | ● Location with Table 9 Standard Exceedance | Sequencing Fill | Cut     | Sequencing ID Label<br>F4a Part A<br>Phase 4<br>C2b Part B<br>Phase 2 |
| ● Soil and Groundwater Sample            | ● Location with Table 3 Standard Exceedance | Phase 1         | Phase 1 |                                                                       |
| ▭ Stage 2 Study Boundary                 | ● Location with S-GW3 Component Exceedance  | Phase 2         | Phase 2 |                                                                       |
| ▭ Extent of River Valley Excavation Area | ● Location without Exceedance               | Phase 3         | Phase 3 |                                                                       |
|                                          |                                             | Phase 4         | Phase 4 |                                                                       |

**Figure 15D**  
 Soil Metals and Inorganics Exceedances (Above Cut)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





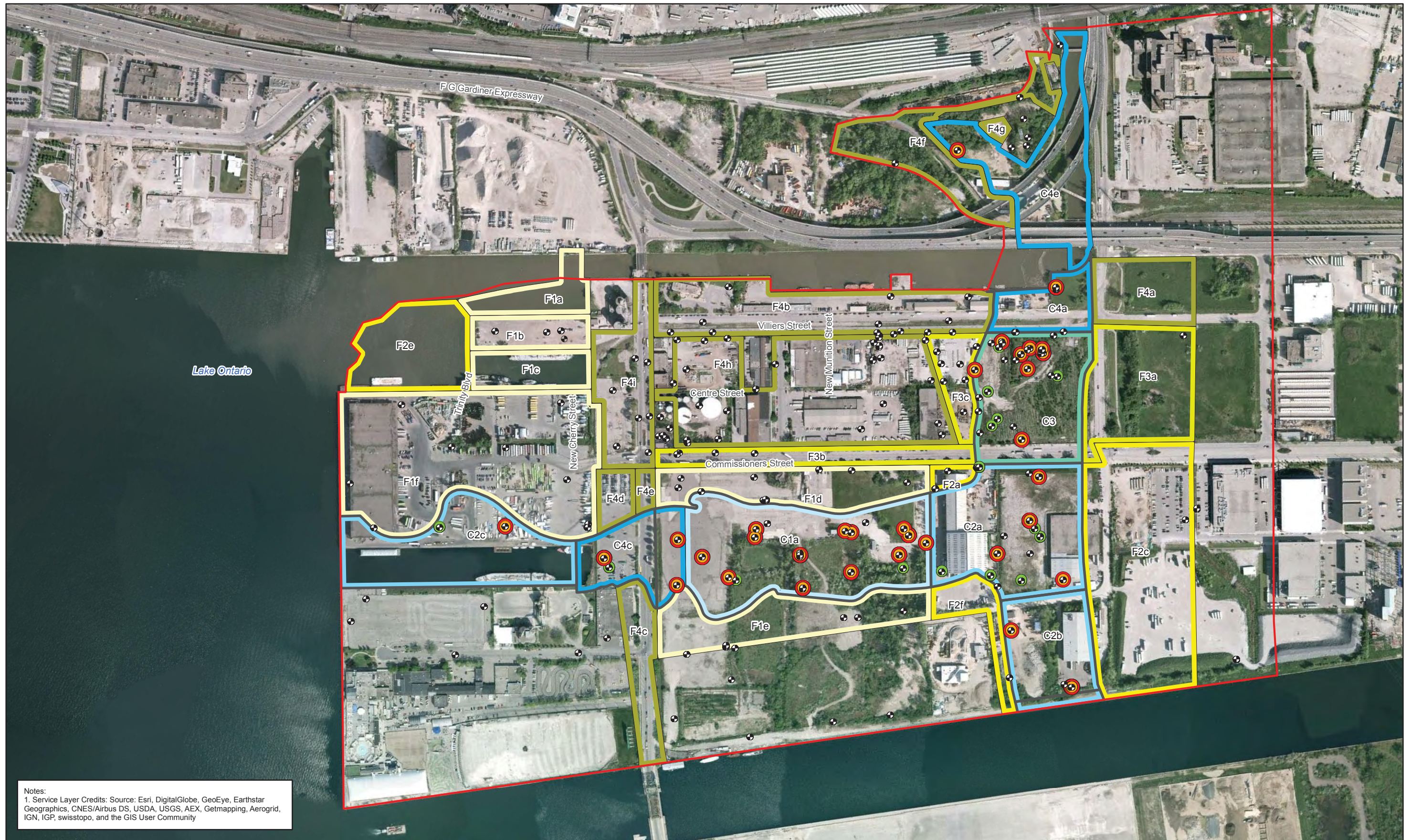
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Soil quality was compared to the S-GW3 soil component values, which account for the exposure pathway due to movement soil to groundwater, then to aquatic receptors in a surface water body. This S-GW3 criterion was used to define areas that would need remediation.



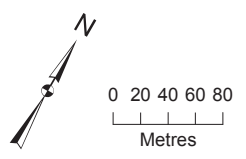
|                                          |                                             |                 |         |                     |
|------------------------------------------|---------------------------------------------|-----------------|---------|---------------------|
| ● Soil Sample                            | ● Location with Table 9 Standard Exceedance | Sequencing Fill | Cut     | Sequencing ID Label |
| ● Soil and Groundwater Sample            | ● Location with Table 3 Standard Exceedance | Phase 1         | Phase 1 | Fill F4a Part A     |
| ▭ Stage 2 Study Boundary                 | ● Location with S-GW3 Component Exceedance  | Phase 2         | Phase 2 | Phase 4             |
| ▭ Extent of River Valley Excavation Area | ● Location without Exceedance               | Phase 3         | Phase 3 | Cut C2b Part B      |
|                                          |                                             | Phase 4         | Phase 4 |                     |

**Figure 15E**  
 Soil ABNs, CPs, OCPs and SVOCs Exceedances (Above Cut)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



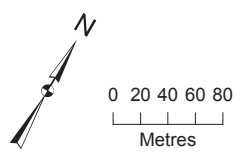
|                                          |                                             |            |           |                     |
|------------------------------------------|---------------------------------------------|------------|-----------|---------------------|
| ● Soil and Groundwater Sample            | ● Location with Table 9 Standard Exceedance | Sequencing | Cut       | Sequencing ID Label |
| ▭ Stage 2 Study Boundary                 | ● Location with Table 3 Standard Exceedance | Fill       | ▭ Phase 1 | Fill F4a Part A     |
| ▭ Extent of River Valley Excavation Area | ● Location without Exceedance               | ▭ Phase 1  | ▭ Phase 2 | Phase 4             |
|                                          |                                             | ▭ Phase 2  | ▭ Phase 3 | ▭ Phase 4           |
|                                          |                                             | ▭ Phase 3  | ▭ Phase 4 | Cut C2b Part B      |
|                                          |                                             | ▭ Phase 4  |           | Phase 2             |

**Figure 15F**  
 Groundwater PHCs Exceedances (Above Cut)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





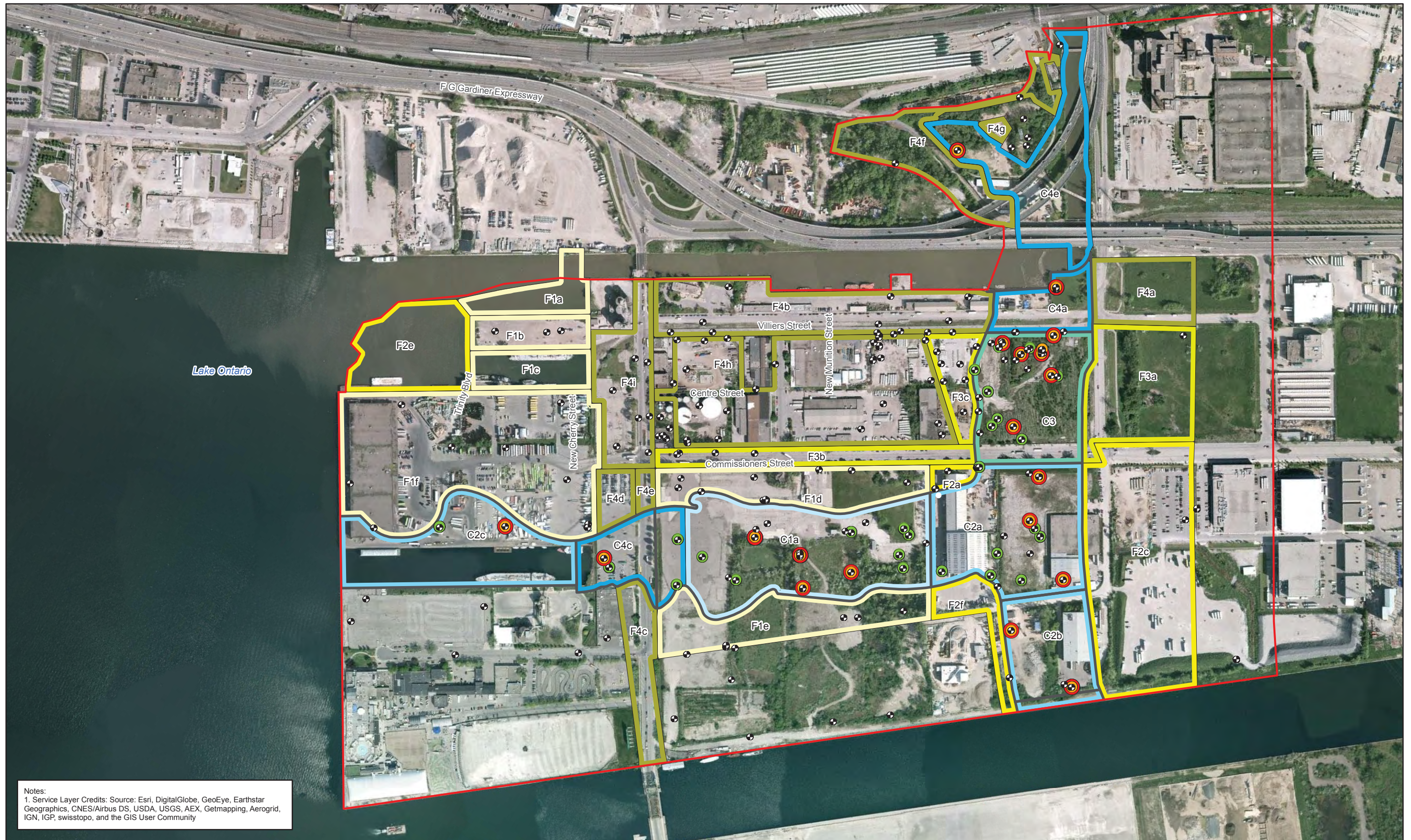
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



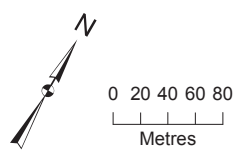
|                                          |                                             |            |           |                     |
|------------------------------------------|---------------------------------------------|------------|-----------|---------------------|
| ● Soil and Groundwater Sample            | ● Location with Table 9 Standard Exceedance | Sequencing | Cut       | Sequencing ID Label |
| □ Stage 2 Study Boundary                 | ● Location with Table 3 Standard Exceedance | Fill       | □ Phase 1 |                     |
| □ Extent of River Valley Excavation Area | ● Location without Exceedance               | Phase 1    | □ Phase 2 | F4a Part A          |
|                                          |                                             | Phase 2    | □ Phase 3 | Phase 4             |
|                                          |                                             | Phase 3    | □ Phase 4 | C2b Part B          |
|                                          |                                             | Phase 4    |           | Phase 2             |

**Figure 15G**  
 Groundwater VOCs Exceedances (Above Cut)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





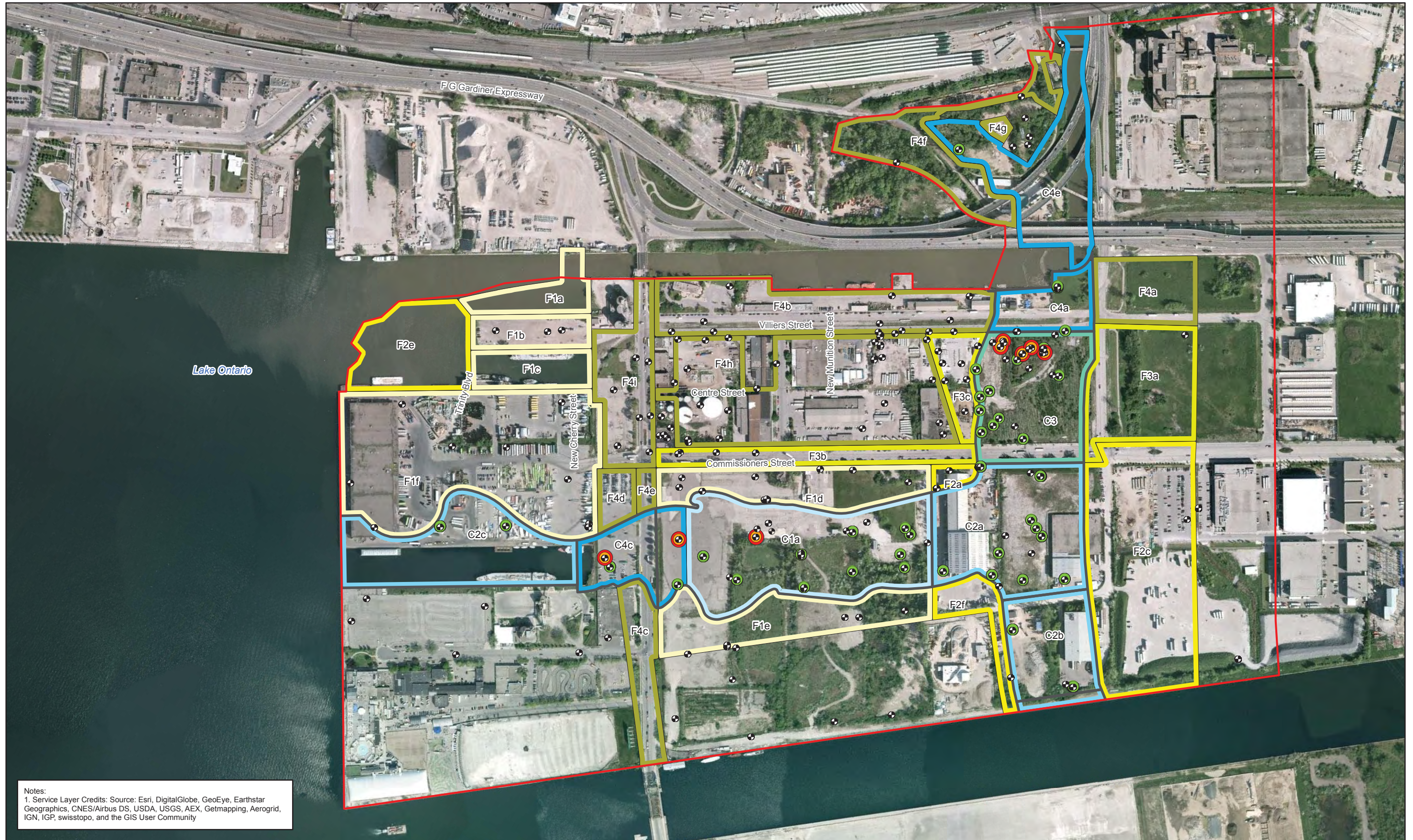
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



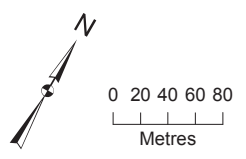
- Soil and Groundwater Sample
  - Stage 2 Study Boundary
  - Extent of River Valley Excavation Area
  - Location with Table 9 Standard Exceedance
  - Location with Table 3 Standard Exceedance
  - Location without Exceedance
- |                                                                                                                                                    |                                                                                                                                 |                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Sequencing</p> <p>Fill</p> <ul style="list-style-type: none"> <li>■ Phase 1</li> <li>■ Phase 2</li> <li>■ Phase 3</li> <li>■ Phase 4</li> </ul> | <p>Cut</p> <ul style="list-style-type: none"> <li>■ Phase 1</li> <li>■ Phase 2</li> <li>■ Phase 3</li> <li>■ Phase 4</li> </ul> | <p>Sequencing ID Label</p> <p>Fill</p> <p style="margin-left: 20px;">F4a Part A</p> <p style="margin-left: 20px;">Phase 4</p> <p>Cut</p> <p style="margin-left: 20px;">C2b Part B</p> <p style="margin-left: 20px;">Phase 2</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Figure 15H**  
 Groundwater PAHs Exceedances (Above Cut)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



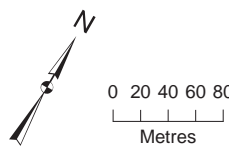
- Soil and Groundwater Sample
- ▭ Stage 2 Study Boundary
- ▭ Extent of River Valley Excavation Area
- Location with Table 9 Standard Exceedance
- Location with Table 3 Standard Exceedance
- Location without Exceedance
- Sequencing Fill
  - ▭ Phase 1
  - ▭ Phase 2
  - ▭ Phase 3
  - ▭ Phase 4
- Cut
  - ▭ Phase 1
  - ▭ Phase 2
  - ▭ Phase 3
  - ▭ Phase 4
- Sequencing ID Label
  - Fill F4a Part A
  - Phase 4
  - Cut C2b Part B
  - Phase 2

**Figure 151**  
 Groundwater Inorganics Exceedances (Above Cut)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



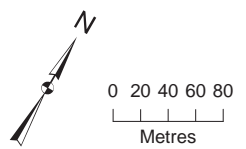
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage 2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 16A  
 Soil Direct Contact –S1 (VOCs, PAHs, PHCs, ABNs, CP, OCP)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



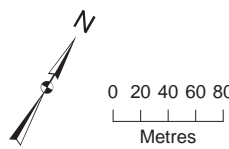
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage 2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 16B  
 Soil Direct Contact -S1 (Metals/Inorganics)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



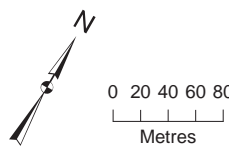
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage 2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 17  
 Soil Direct Contact -S3 (VOCs, PAHs, PHCs, metals/inorganics and ABNs/OCP/CP)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



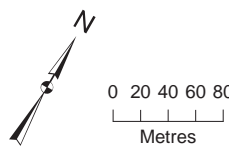
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage 2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 18  
 Soil Direct Contact – Eco-Plants and Soil Organisms/Mammals and Birds (VOCs, PAHs, PHCs, Metals/Inorganics and ABNs/OCP/CP)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



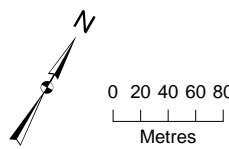
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage 2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 19  
 Soil to Indoor Air (Volatiles)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



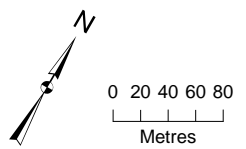
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage 2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 20A  
 Soil to Outdoor Air (Volatiles) Shallow Soil (<1 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



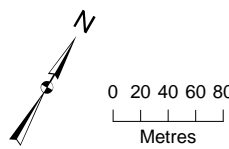
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 20B  
 Soil to Outdoor Air (Volatiles) Deep Soil (>1 m)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





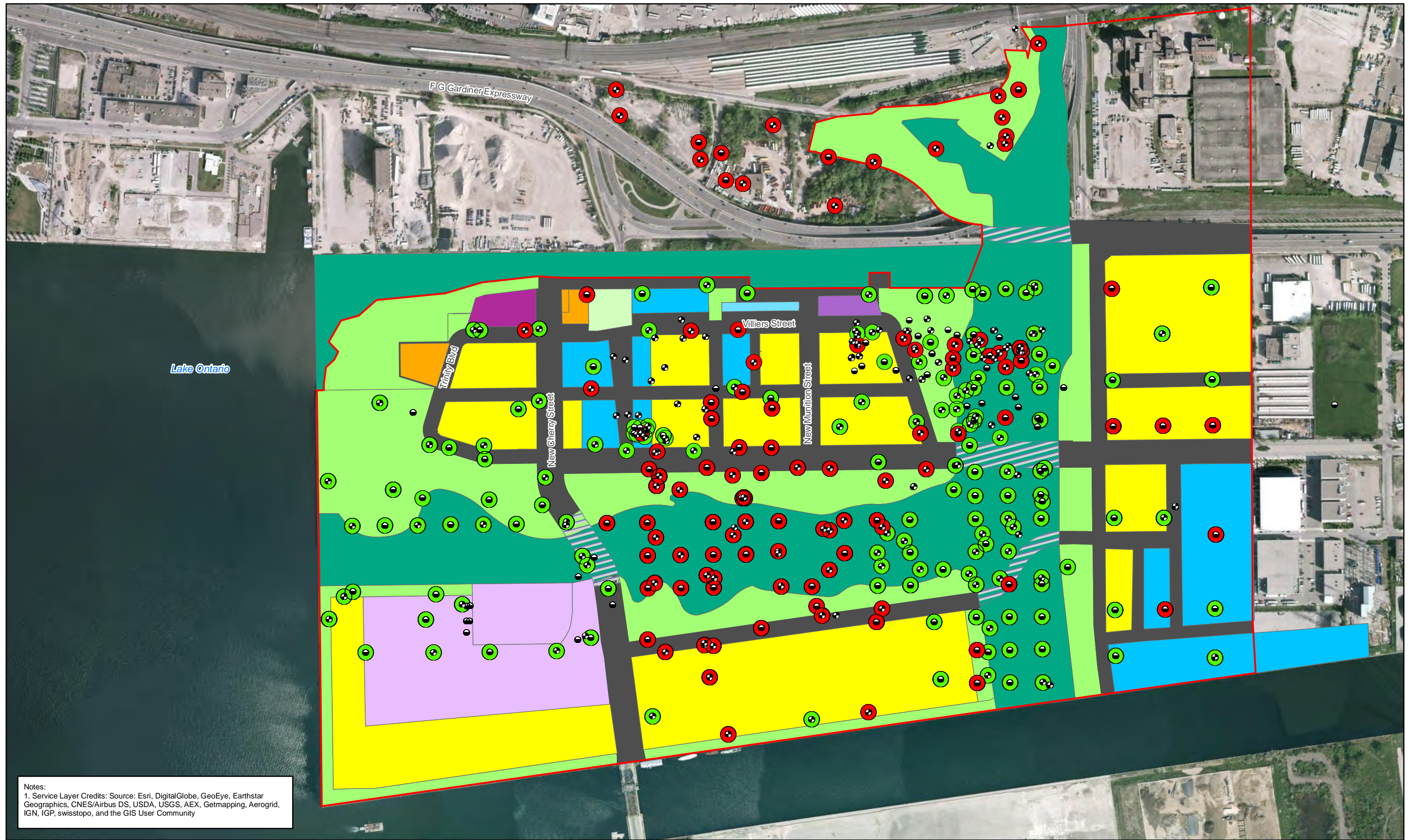
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



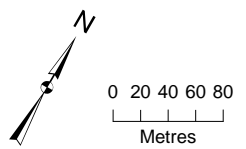
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage 2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 21A  
 Soil to Groundwater to Surface Water (S-GW3 [VOC])  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





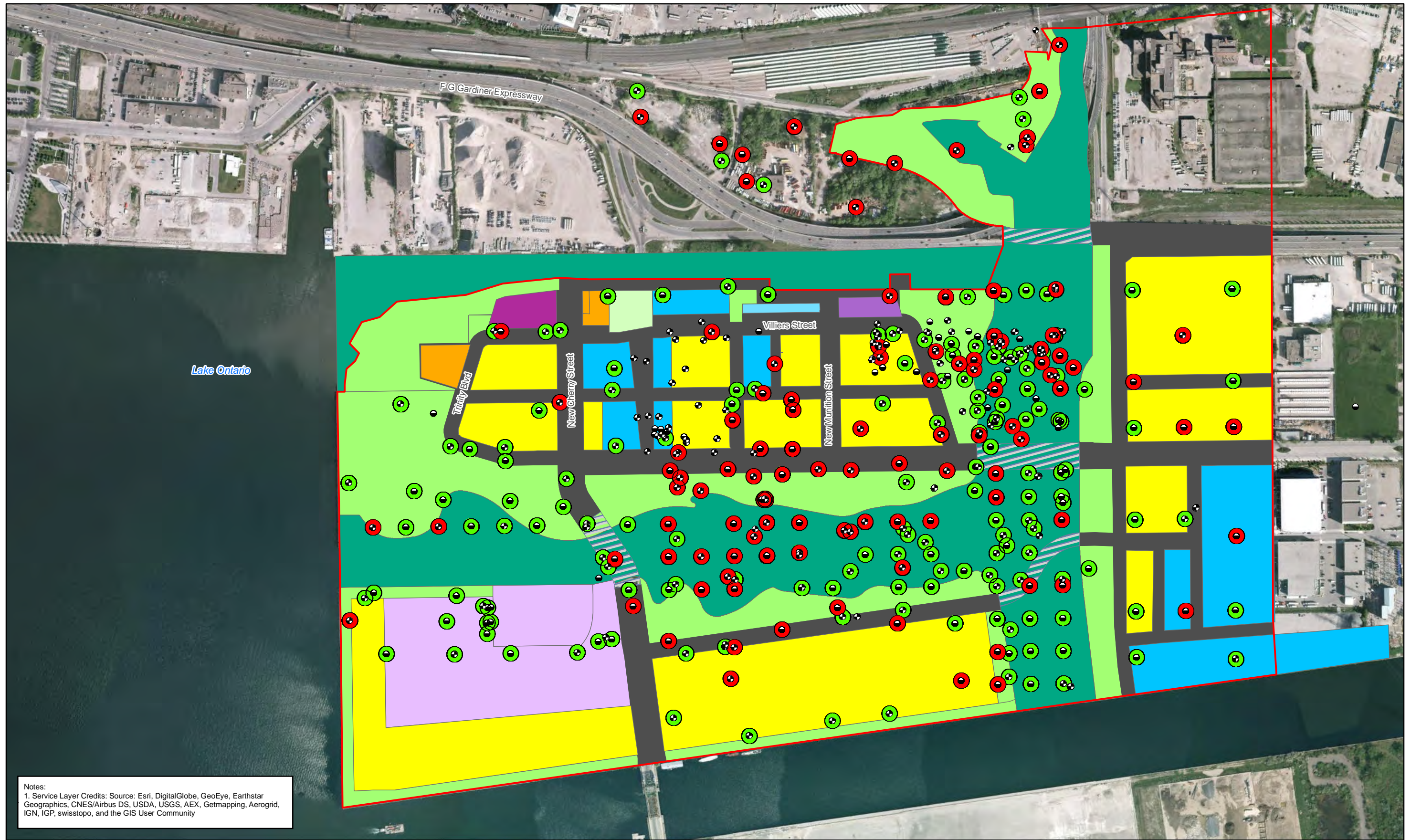
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



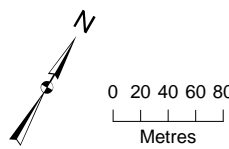
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage 2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 21B  
 Soil to Groundwater to Surface Water (S-GW3 [PHC])  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



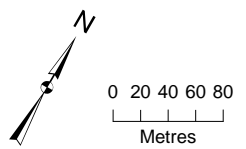
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage 2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 21C  
 Soil to Groundwater to Surface Water (S-GW3 [PAH])  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



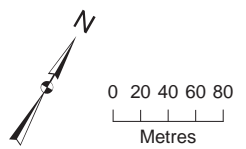
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage 2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 21D  
 Soil to Groundwater to Surface Water (S-GW3 [ABNs/OC/PCP])  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



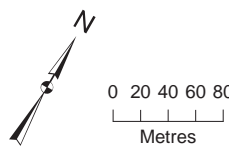
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage 2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 22  
 Soil Table 9 Standards (VOCs, PAHs, PHCs, metals/inorganics and ABNs/OCP/CP)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



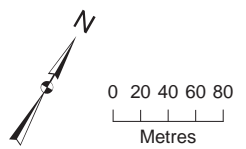
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage 2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 23A  
 Soil Free Phase Thresholds (PHCs) All depths  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





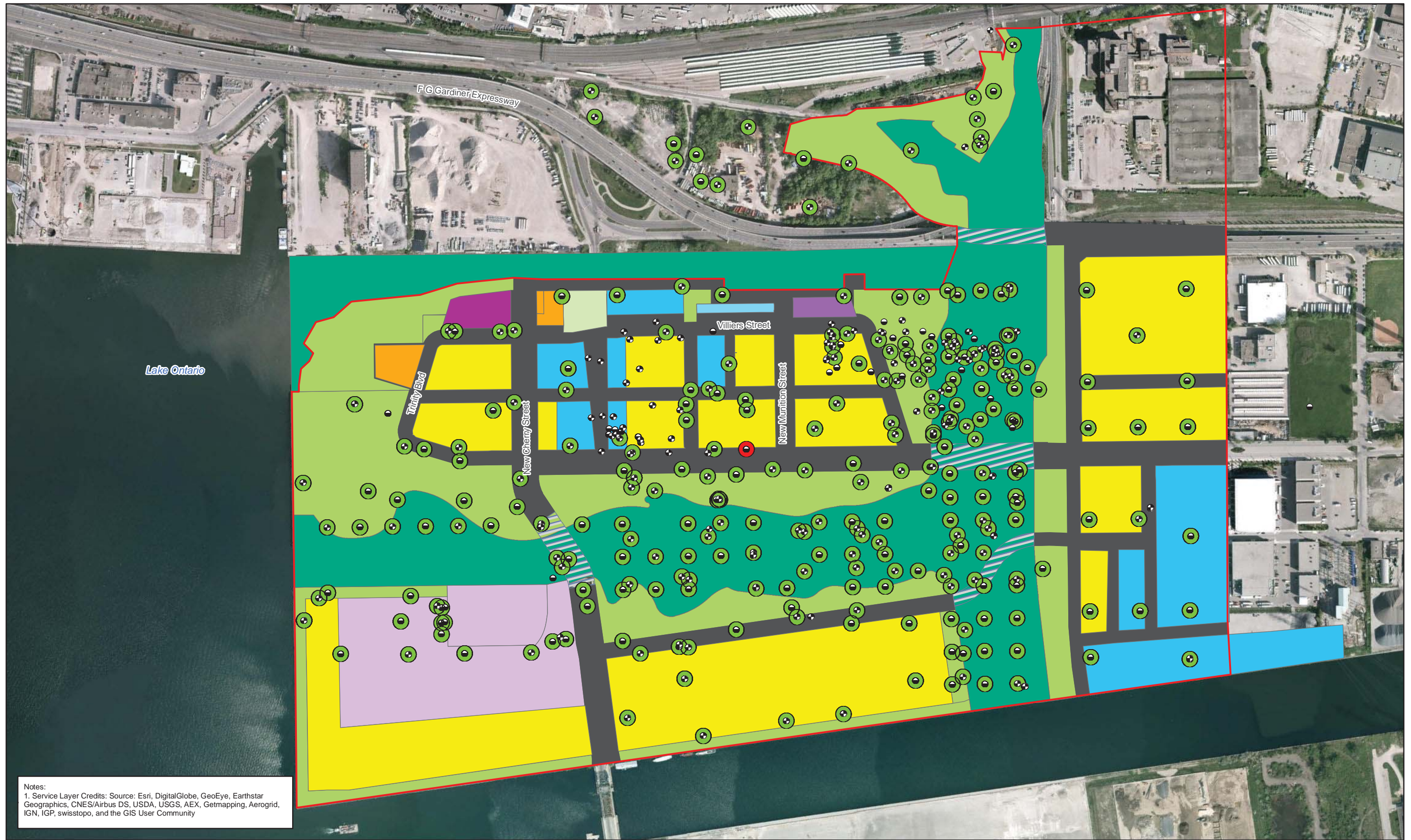
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 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



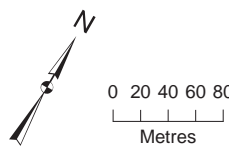
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage 2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 23B  
 Soil Free Phase Thresholds (VOCs) All depths  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





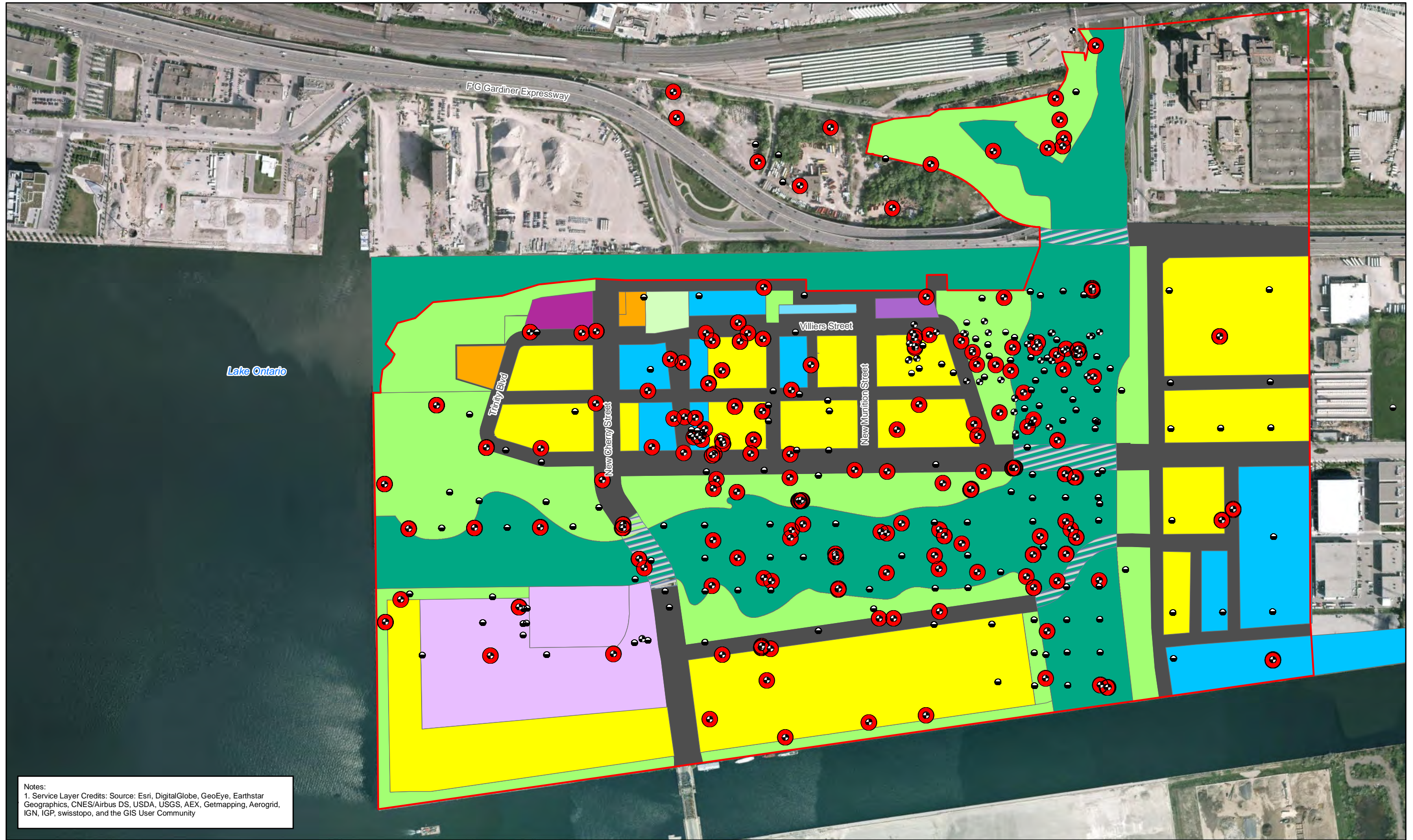
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



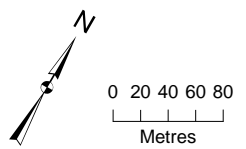
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage 2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 23C  
 Soil Free Phase Thresholds (PAHs) All depths  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



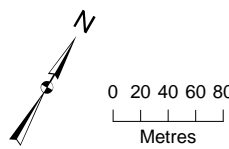
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- ▭ Stage 2 Study Boundary
- ▭ Future Land Use
- ▭ Assumed Light Industrial
- ▭ Commercial/Community Facility
- ▭ Employment/Commercial
- ▭ Residential
- ▭ Catalytic Use
- ▭ Employment/Commercial/Heritage Structure
- ▭ Parkland
- ▭ Parkland/Heritage Structure
- ▭ Community Facility
- ▭ Roads
- ▭ Developed Area
- ▭ Road Area Above
- ▭ Naturalized Area

Figure 24A  
 Groundwater Half Solubilities (PHCs)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





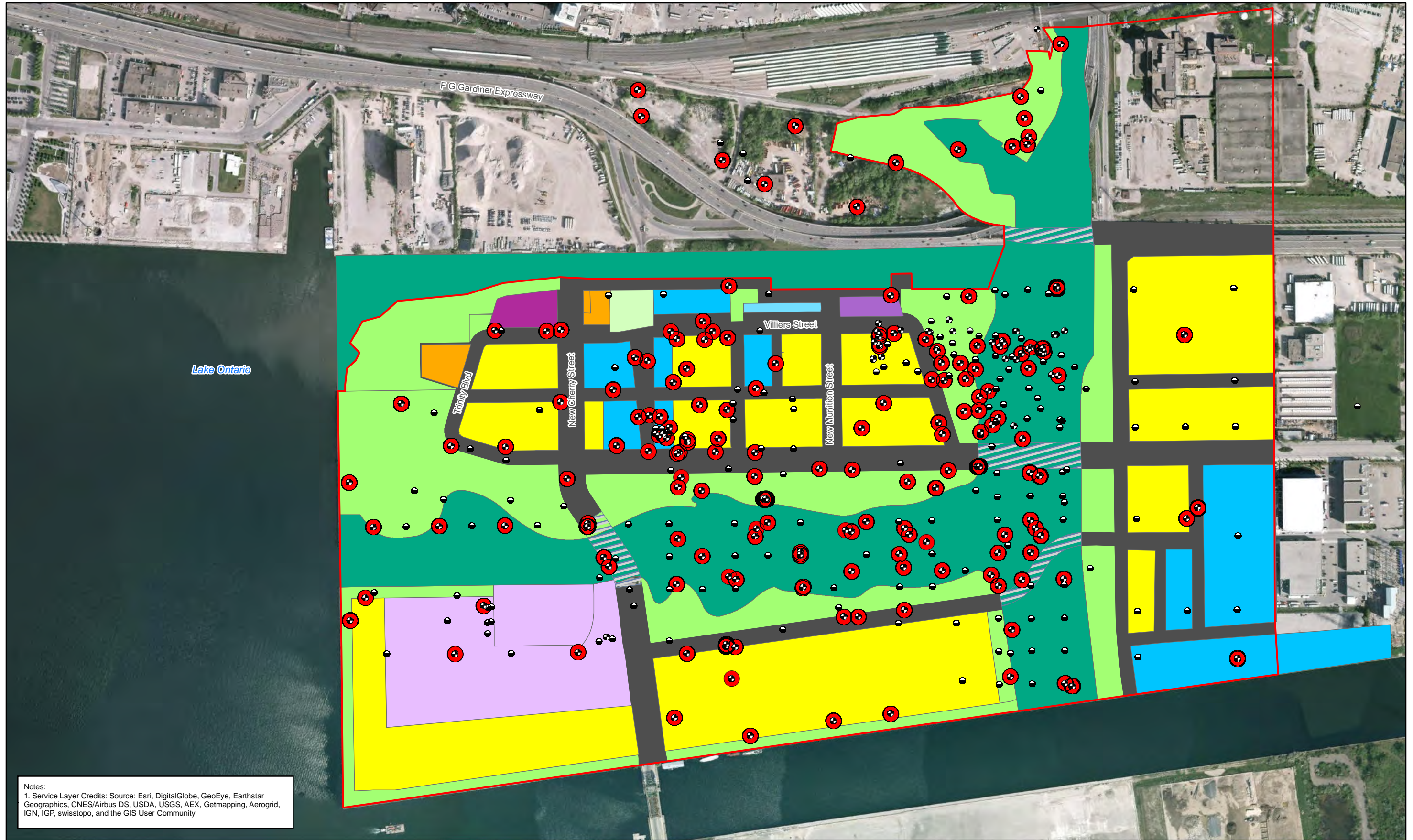
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



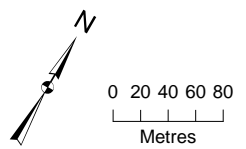
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage 2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 24B  
 Groundwater Half Solubilities (VOCs)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





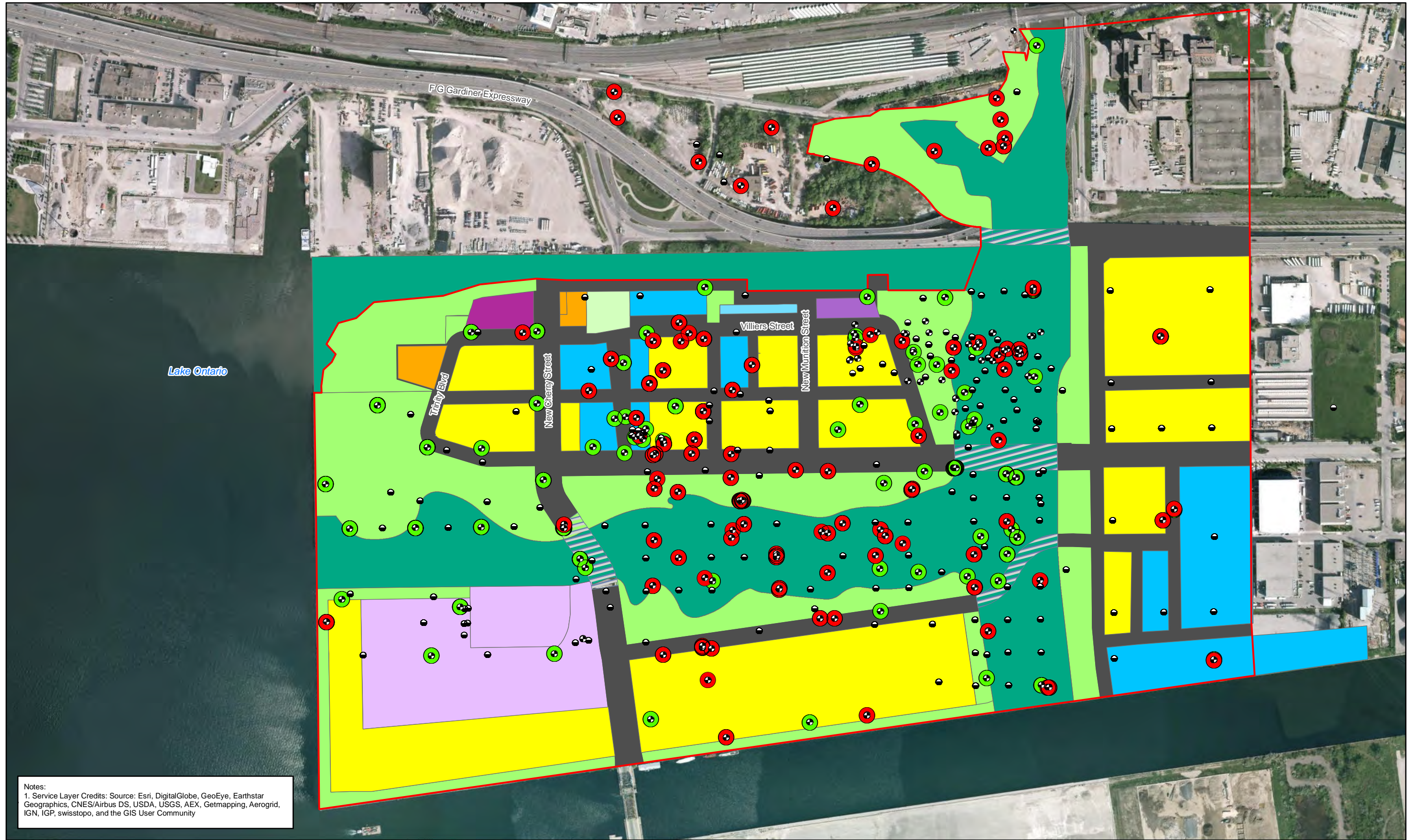
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



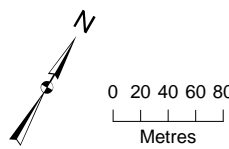
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage 2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 25  
 Groundwater-GW2 Table 7 Standards (Volatiles)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



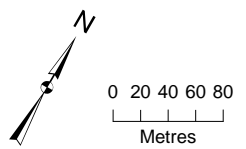
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage 2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 26A  
 Groundwater-GW3 (PHC)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



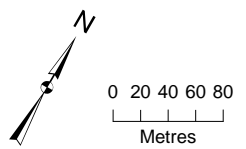
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- ▭ Stage 2 Study Boundary
- ▭ Future Land Use
- ▭ Assumed Light Industrial
- ▭ Commercial/Community Facility
- ▭ Employment/Commercial
- ▭ Residential
- ▭ Catalytic Use
- ▭ Employment/Commercial/Heritage Structure
- ▭ Parkland
- ▭ Parkland/Heritage Structure
- ▭ Community Facility
- ▭ Roads
- ▭ Developed Area
- ▭ Road Area Above
- ▭ Naturalized Area

Figure 26B  
 Groundwater-GW3 (VOC)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





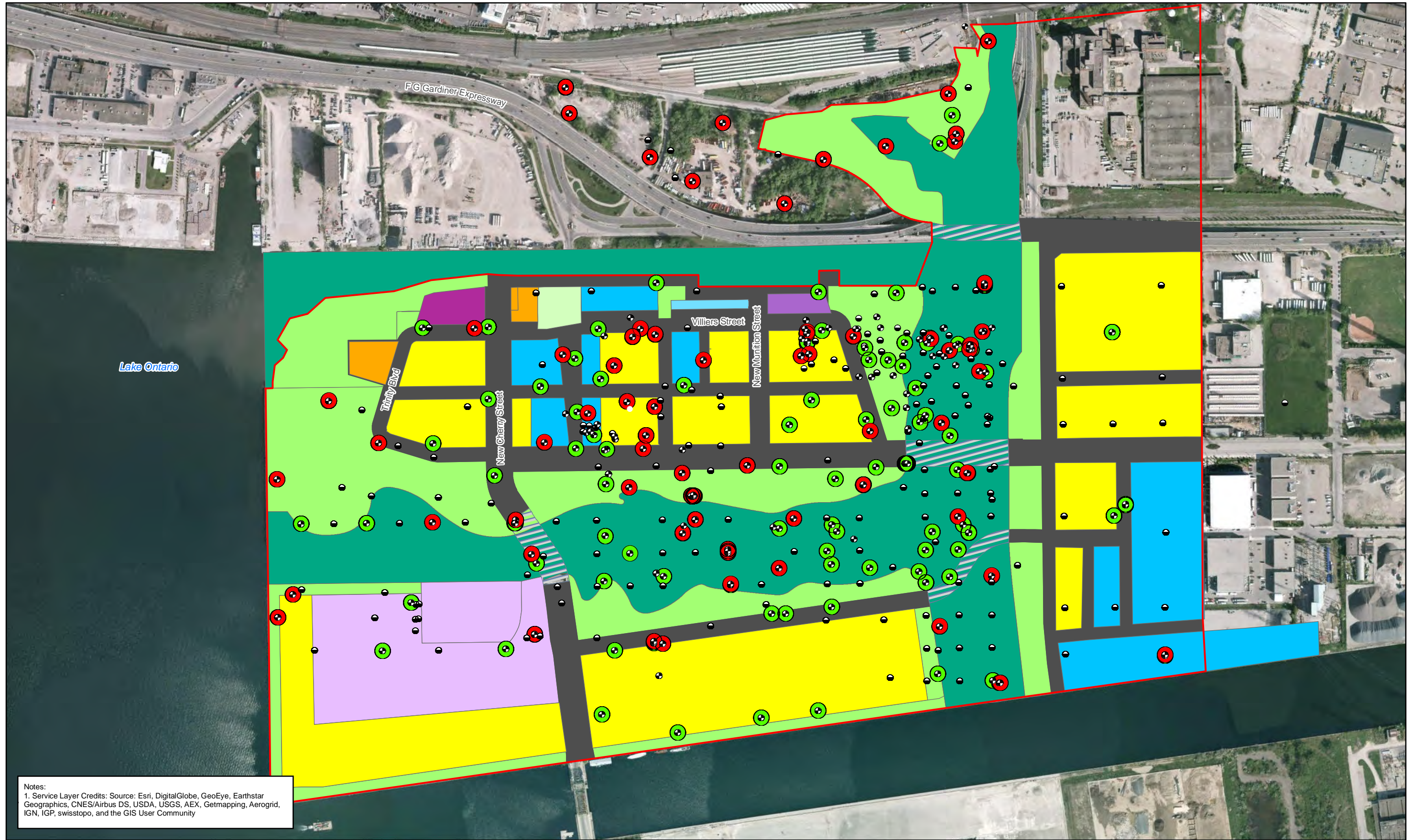
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



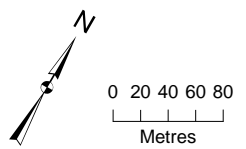
- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage 2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 26C  
 Groundwater-GW3 (Metals/Inorganics)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





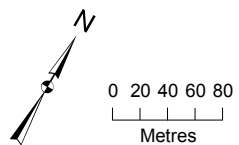
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



- Soil Sample
- Soil and Groundwater Sample
- Location Without Exceedance
- Location With Exceedance
- Stage 2 Study Boundary
- Future Land Use
- Assumed Light Industrial
- Commercial/Community Facility
- Employment/Commercial
- Residential
- Catalytic Use
- Employment/Commercial/Heritage Structure
- Parkland
- Parkland/Heritage Structure
- Community Facility
- Roads
- Developed Area
- Road Area Above
- Naturalized Area

Figure 26D  
 Groundwater-GW 3 (PAH)  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario



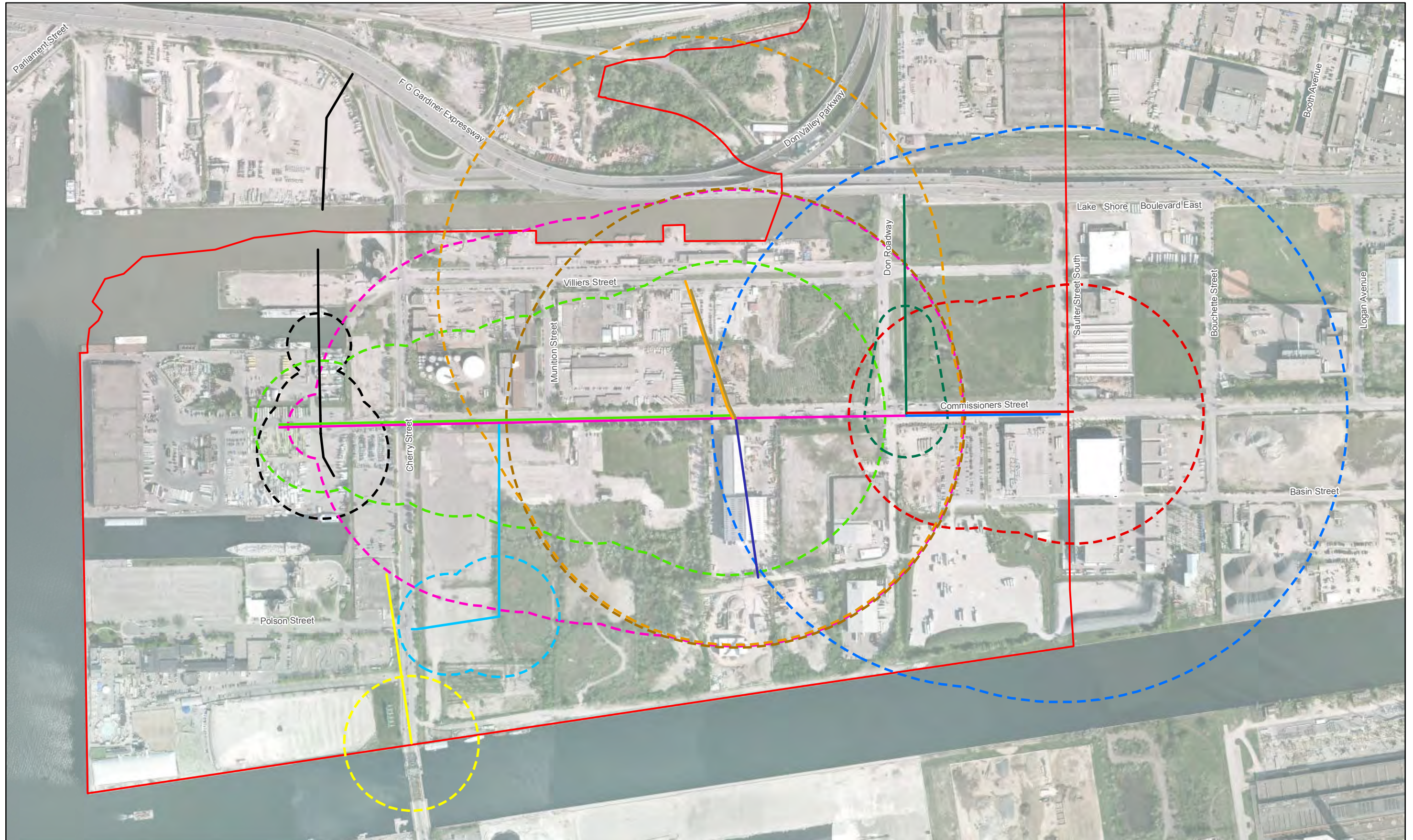


- Sanitary Sewer
- Storm Sewer
- Stage 2 Study Boundary

Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

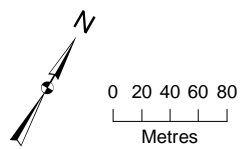
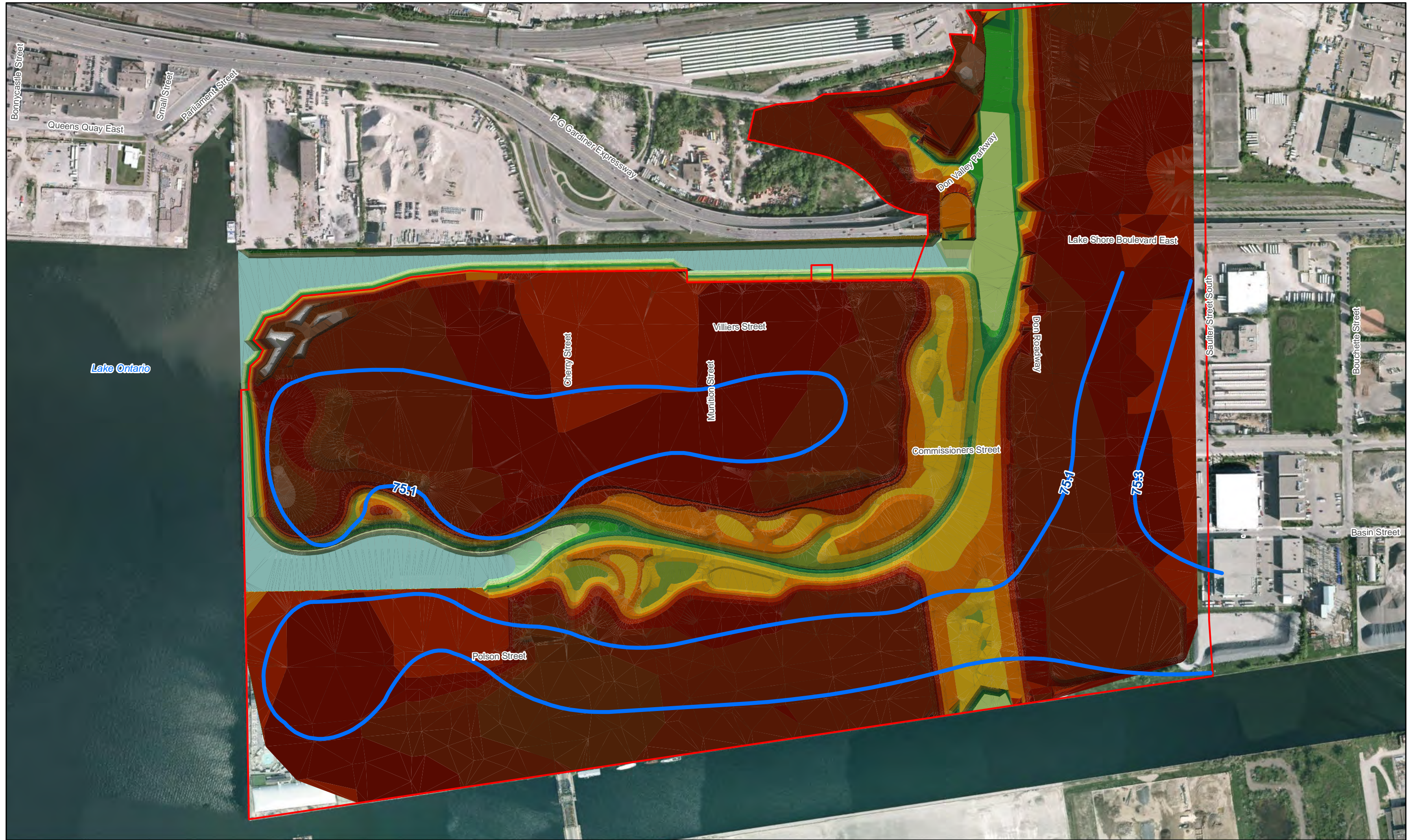
**Figure 27**  
 Subsurface Infrastructure Layout  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





**Figure 28**  
 Subsurface Infrastructure Construction Dewatering – Drawdown Radius of Influence  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario



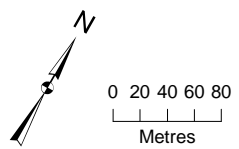


|                                                                   |                        |         |         |         |
|-------------------------------------------------------------------|------------------------|---------|---------|---------|
| Predicted Groundwater Elevation Contours Post Construction (masl) | Stage 2 Study Boundary | 81 - 82 | 76 - 77 | 71 - 72 |
|                                                                   |                        | 80 - 81 | 75 - 76 | 70 - 71 |
|                                                                   |                        | 79 - 80 | 74 - 75 | 69 - 70 |
|                                                                   |                        | 83 - 84 | 73 - 74 | 68 - 69 |
|                                                                   |                        | 82 - 83 | 72 - 73 | 67 - 68 |
|                                                                   |                        | 78 - 79 | 77 - 78 |         |
|                                                                   |                        | 84 - 85 |         |         |

Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Elevations are in metres above sea level.

Figure 29  
 Predicted Groundwater Flow Conditions Post Construction – Fill / Native Sand  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario



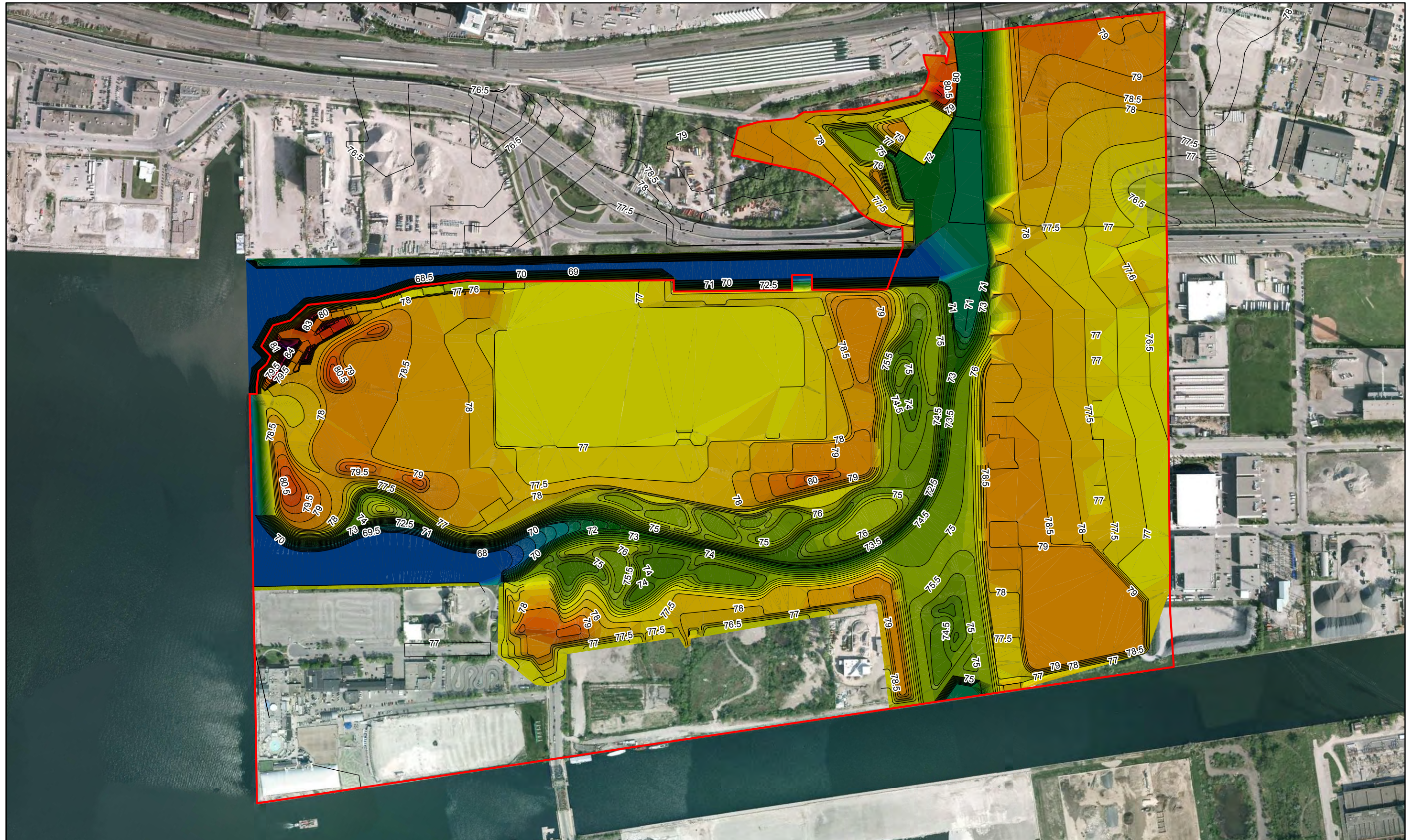


| Stage 2 Study Boundary | Elevation | 80 - 81 | 75 - 76 | 70 - 71 |
|------------------------|-----------|---------|---------|---------|
|                        | 84 - 85   | 79 - 80 | 74 - 75 | 69 - 70 |
|                        | 83 - 84   | 78 - 79 | 73 - 74 | 68 - 69 |
|                        | 82 - 83   | 77 - 78 | 72 - 73 | 67 - 68 |
|                        | 81 - 82   | 76 - 77 | 71 - 72 |         |

Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Topography generated from LiDAR point data provided by TRCA. LiDAR data acquired in 2015.  
 3. Elevations are in masl.

Figure 30  
 Existing Topography  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario



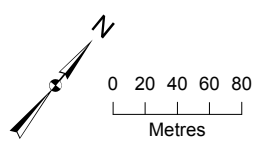


|                        |           |           |           |           |           |           |           |
|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Stage 2 Study Boundary | 83.5 - 84 | 81 - 81.5 | 78.5 - 79 | 76 - 76.5 | 73.5 - 74 | 71 - 71.5 | 68.5 - 69 |
| Elevation              | 83 - 83.5 | 80.5 - 81 | 78 - 78.5 | 75.5 - 76 | 73 - 73.5 | 70.5 - 71 | 68 - 68.5 |
| 85 - 85.5              | 82.5 - 83 | 80 - 80.5 | 77.5 - 78 | 75 - 75.5 | 72.5 - 73 | 70 - 70.5 |           |
| 84.5 - 85              | 82 - 82.5 | 79.5 - 80 | 77 - 77.5 | 74.5 - 75 | 72 - 72.5 | 69.5 - 70 |           |
| 84 - 84.5              | 81.5 - 82 | 79 - 79.5 | 76.5 - 77 | 74 - 74.5 | 71.5 - 72 | 69 - 69.5 |           |

Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Topography generated from LIDAR point data provided by TRCA. LIDAR data acquired in 2015.  
 3. Elevations are in masl.  
 4. Elevations are finished ground elevations.

**Figure 31**  
 Proposed Design Grade Topography  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario



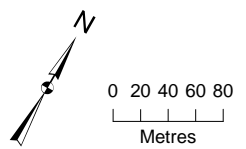
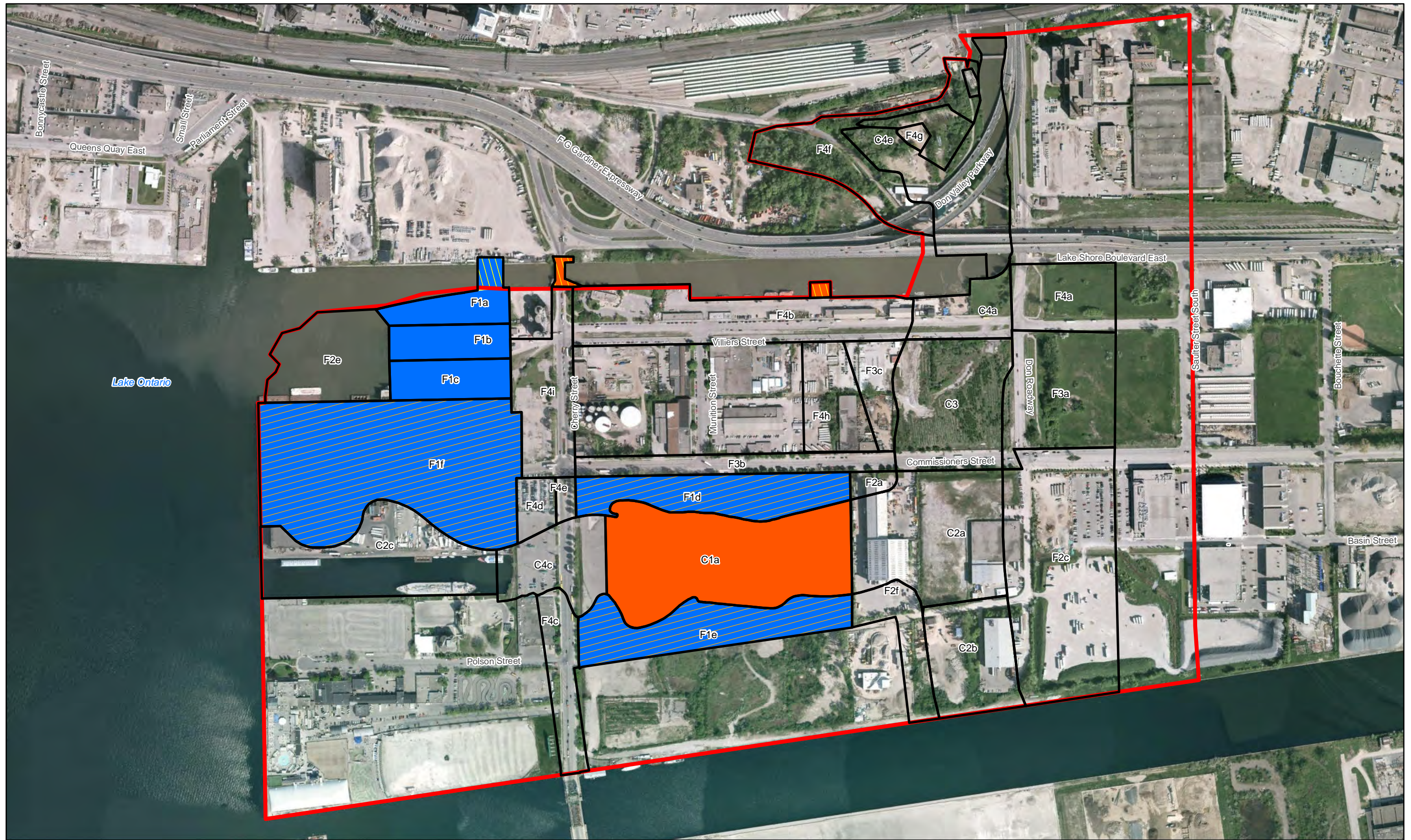


|                          |                    |           |         |         |                   |         |          |
|--------------------------|--------------------|-----------|---------|---------|-------------------|---------|----------|
| — Contour (1m)           | Fill Thickness (m) | 12.9 - 12 | 8.9 - 8 | 4.9 - 4 | Cut Thickness (m) | 3.1 - 4 | 7.1 - 8  |
| □ Stage 2 Study Boundary | > 15               | 11.9 - 11 | 7.9 - 7 | 3.9 - 3 | 0 - 1             | 4.1 - 5 | 8.1 - 9  |
|                          | 14.9 - 14          | 10.9 - 10 | 6.9 - 6 | 2.9 - 2 | 1.1 - 2           | 5.1 - 6 | 9.1 - 10 |
|                          | 13.9 - 13          | 9.9 - 9   | 5.9 - 5 | 1.9 - 1 | 2.1 - 3           | 6.1 - 7 |          |
|                          |                    |           | < 0.9   |         |                   |         |          |

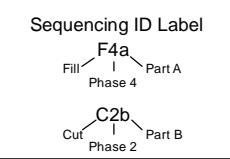
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 2. Cut/Fill is the calculated difference of the existing topography (Figure 29) and proposed design grade topography (Figure 30).

**Figure 32**  
 Cut and Fill Isopach  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





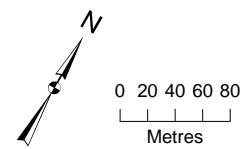
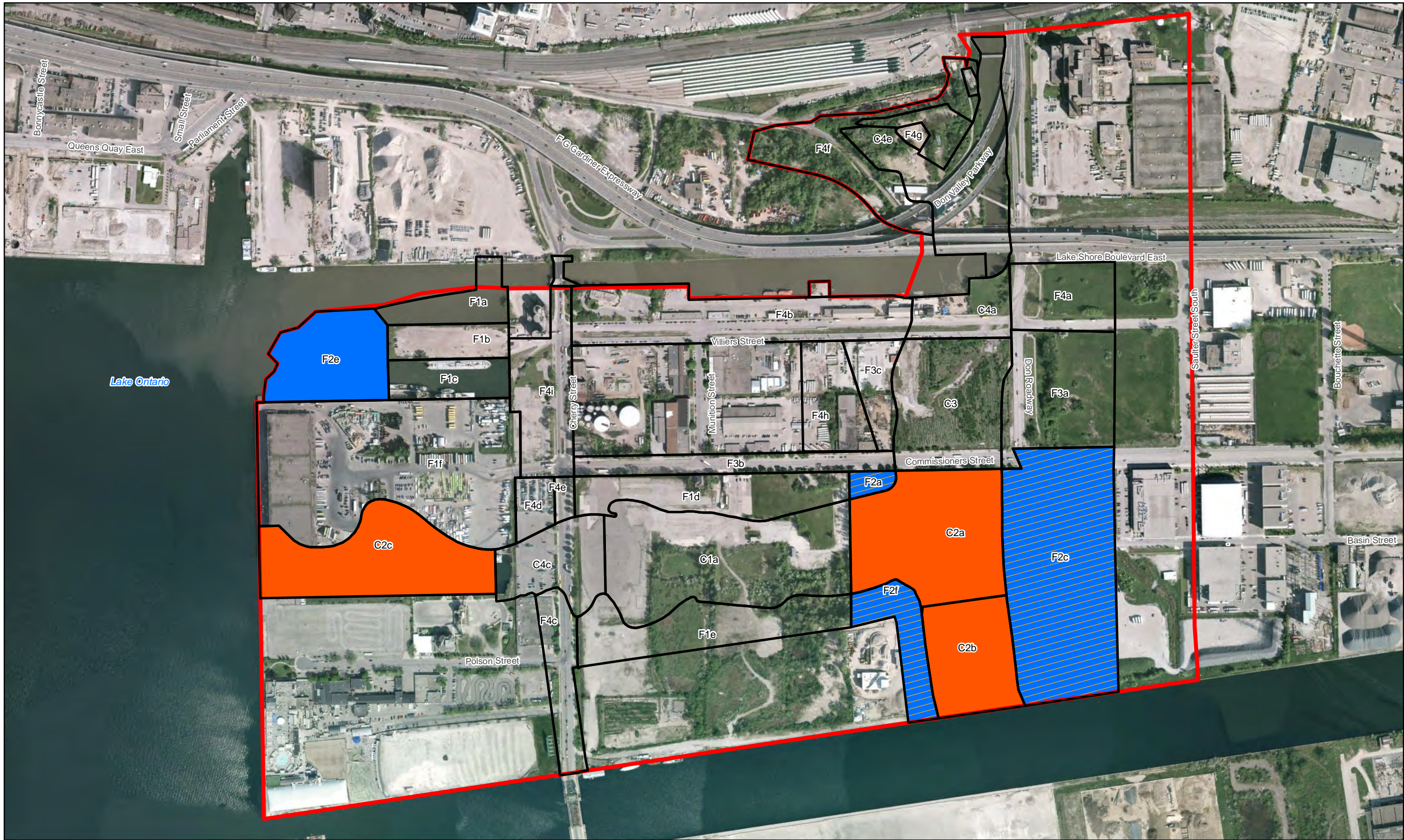
- Stage 2 Study Boundary
- Bridge Removal/Addition Area
- RA/RM Cut Area
- Area To Cut
- Area To Fill



Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

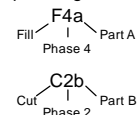
Figure 33A  
 Excavation and Fill Sequencing - Phase 1  
 Environmental Assessment and Geotechnical and Earthworks Report  
*Waterfront Toronto*  
 Toronto, Ontario





- Stage 2 Study Boundary
- RA/RM Cut Area
- Area To Cut
- Area To Fill

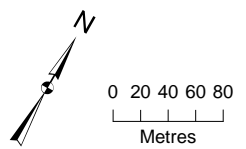
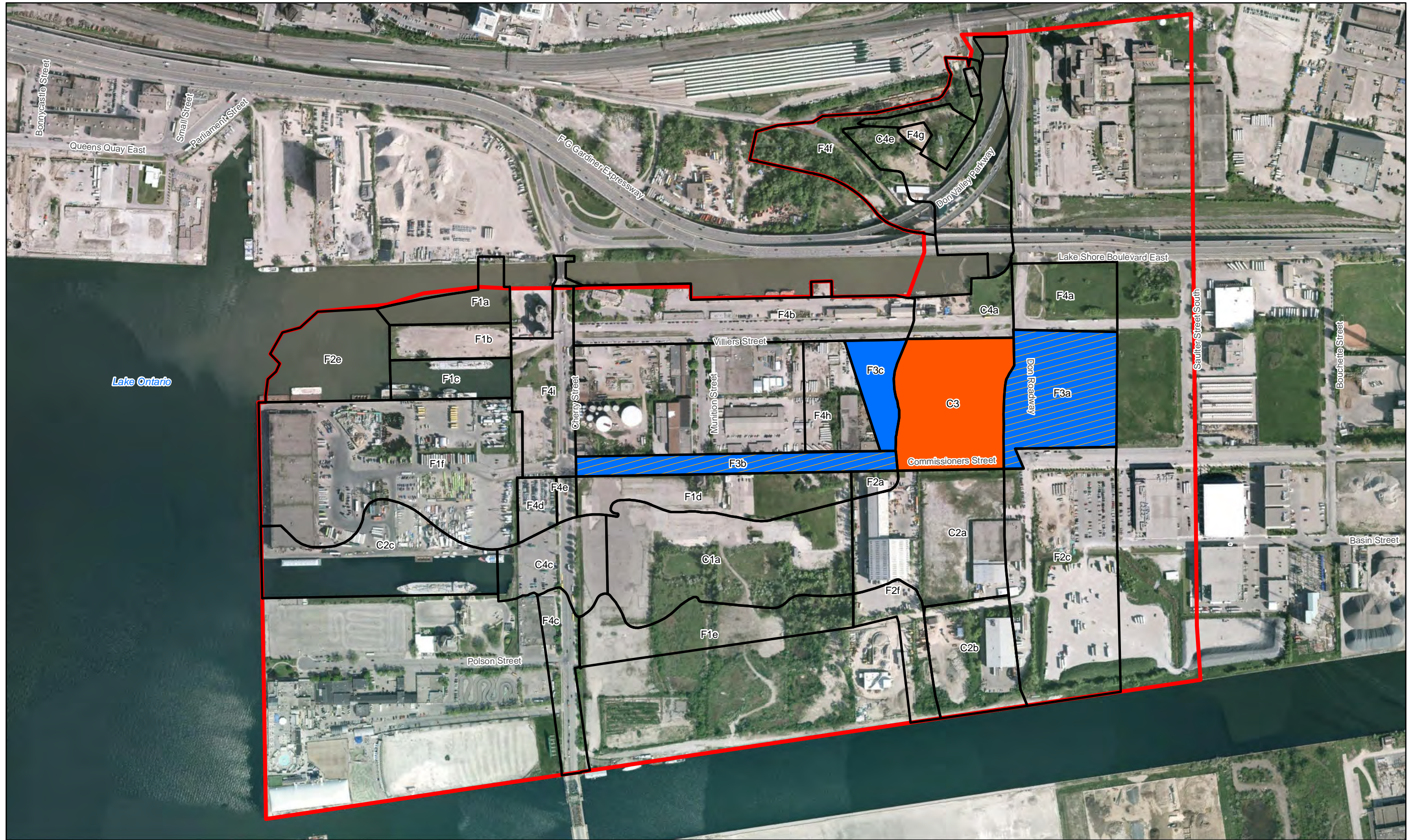
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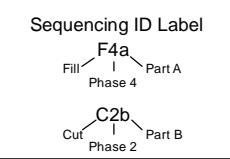
Notes:  
1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 33B  
Excavation and Fill Sequencing - Phase 2  
Environmental Assessment and Geotechnical and Earthworks Report  
Waterfront Toronto  
Toronto, Ontario





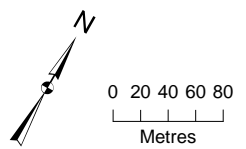
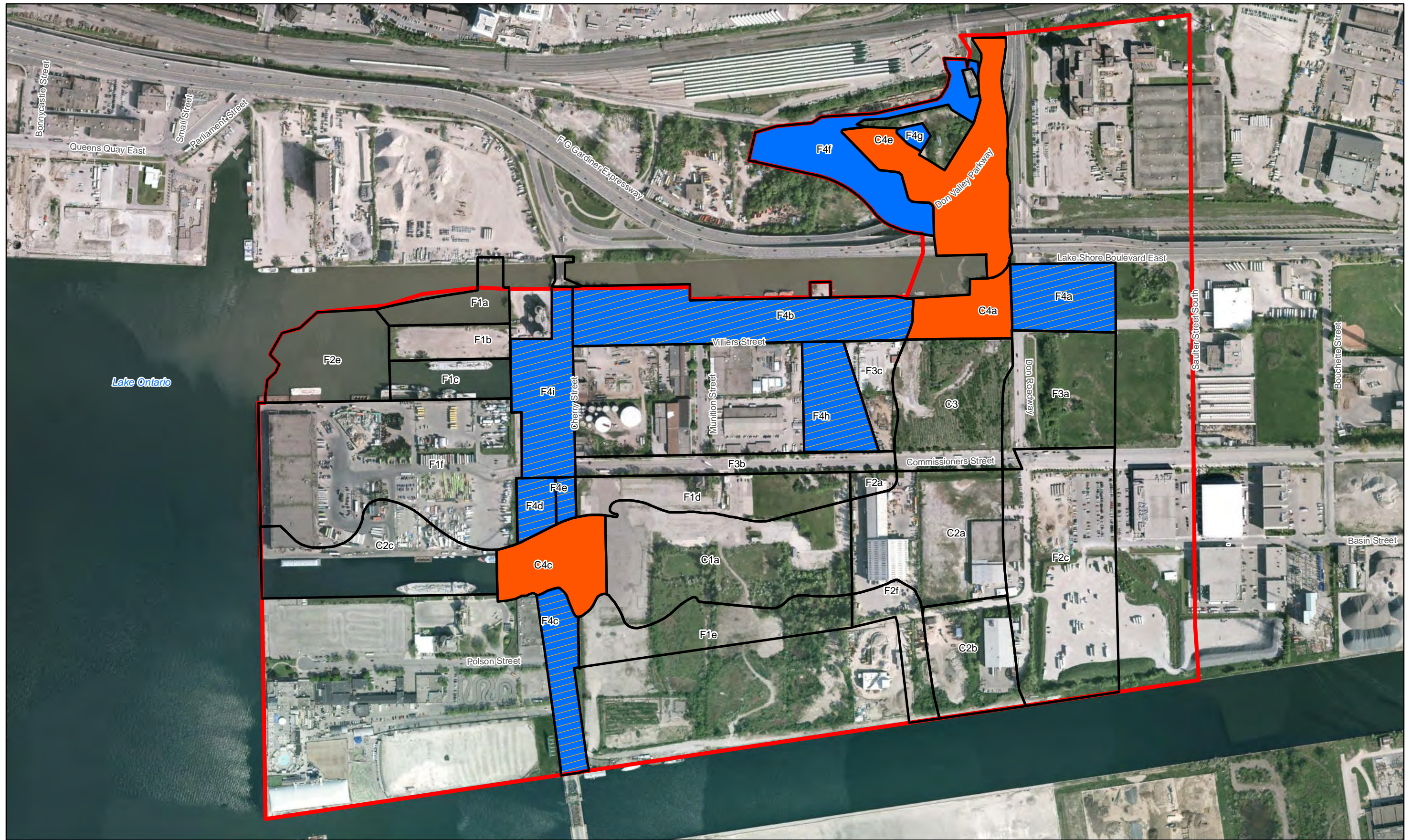
- Stage 2 Study Boundary
- RA/RM Cut Area
- Area To Cut
- Area To Fill



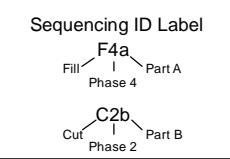
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 33C  
 Excavation and Fill Sequencing - Phase 3  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





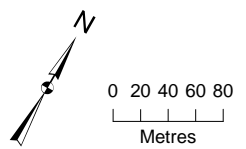
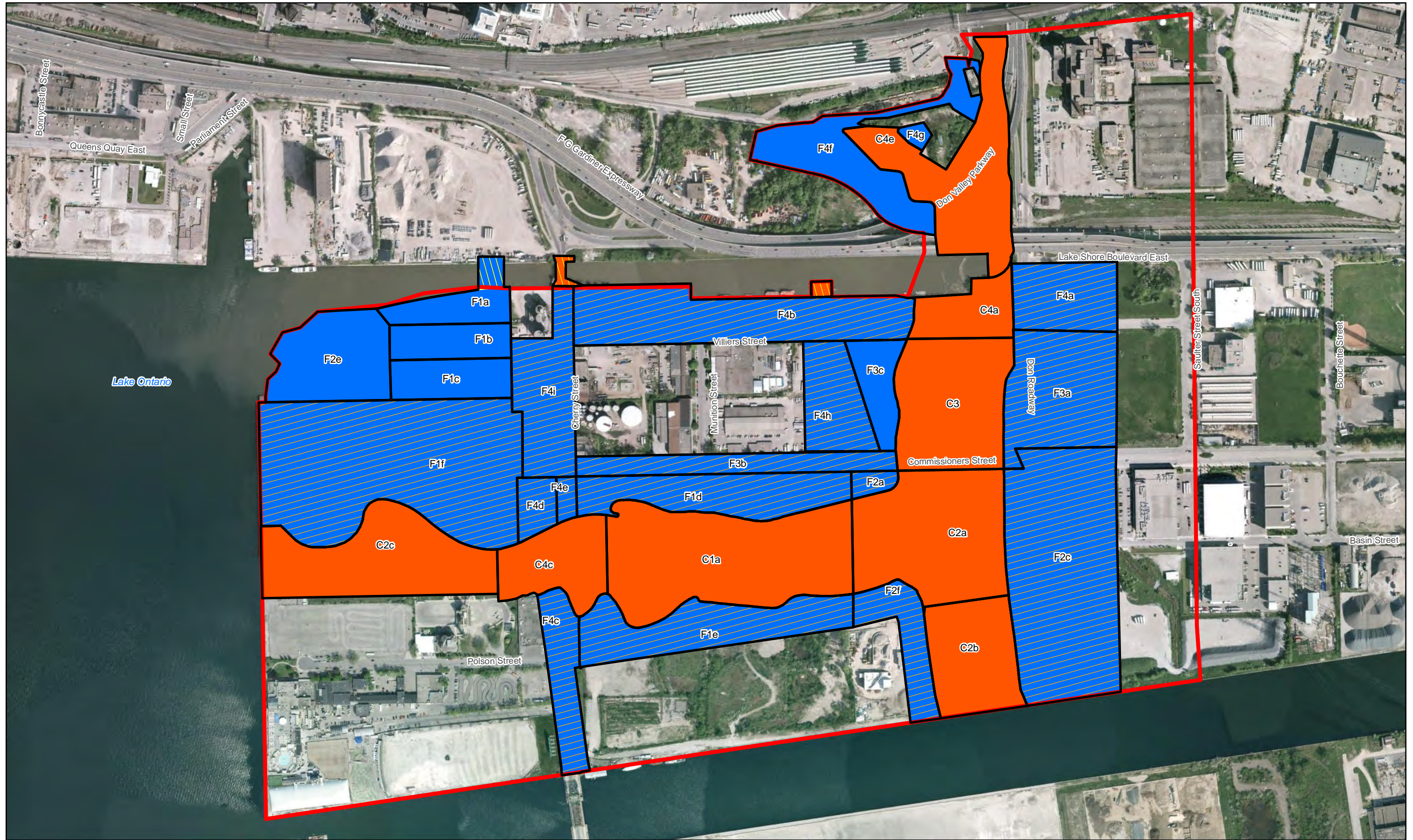
- Stage 2 Study Boundary
- RA/RM Cut Area
- Area To Cut
- Area To Fill



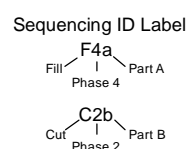
Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 33D  
 Excavation and Fill Sequencing - Phase 4  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





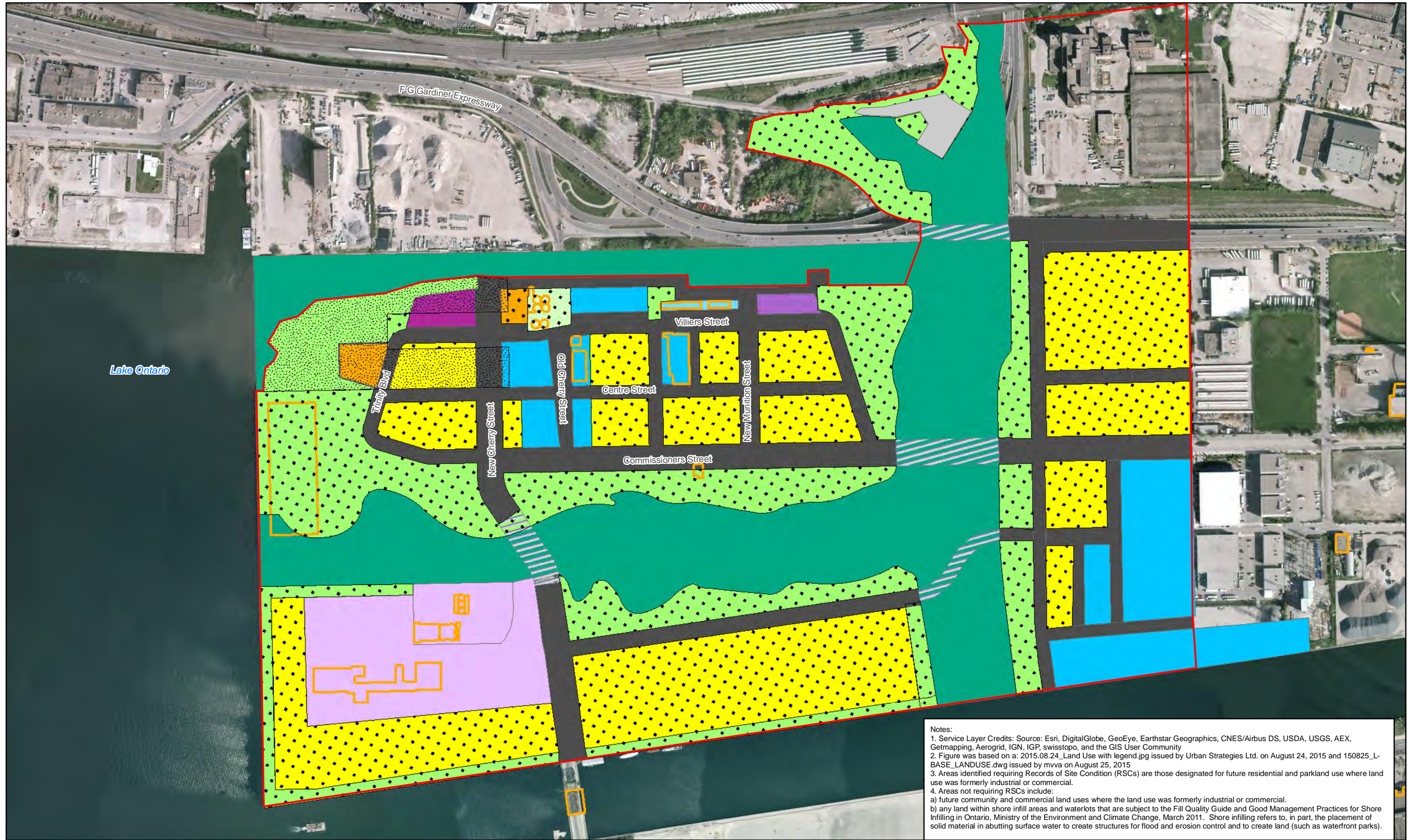
- Stage 2 Study Boundary
- Bridge Removal/Addition Area
- RA/RM Cut Area
- Area To Cut
- Area To Fill



Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

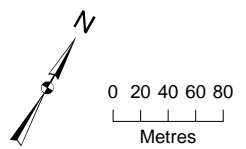
Figure 33E  
 Excavation and Fill Sequencing - All Phases  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Notes:

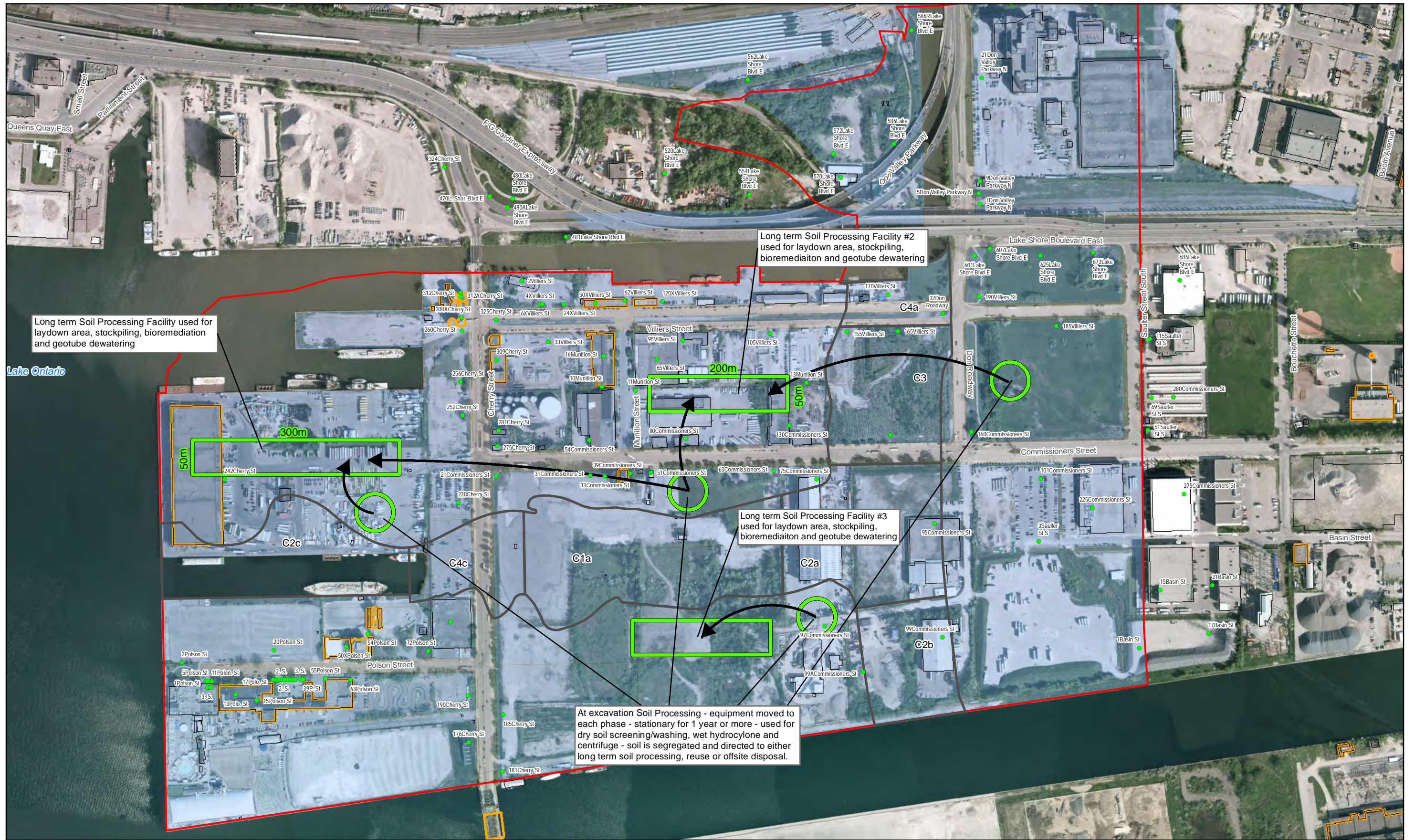
1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
2. Figure was based on a: 2015.08.24\_Land Use with legend.jpg issued by Urban Strategies Ltd. on August 24, 2015 and 150825\_L-BASE\_LANDUSE.dwg issued by mvva on August 25, 2015
3. Areas identified requiring Records of Site Condition (RSCs) are those designated for future residential and parkland use where land use was formerly industrial or commercial.
4. Areas not requiring RSCs include:
  - a) future community and commercial land uses where the land use was formerly industrial or commercial.
  - b) any land within shore infill areas and waterlots that are subject to the Fill Quality Guide and Good Management Practices for Shore Infilling in Ontario, Ministry of the Environment and Climate Change, March 2011. Shore infilling refers to, in part, the placement of solid material in abutting surface water to create structures for flood and erosion control and to create land (such as waterfront parks).



|                        |                               |                                          |                      |
|------------------------|-------------------------------|------------------------------------------|----------------------|
| Stage 2 Study Boundary | Assumed Light Industrial      | Catalytic Use                            | Community Facility   |
| Heritage Building      | Commercial/Community Facility | Employment/Commercial/Heritage Structure | Roads                |
| Lake Fill              | Employment/Commercial         | Parkland                                 | Developed Area       |
| Future LandUse         | Residential                   | Parkland/Heritage Structure              | Developed Area Above |
|                        |                               |                                          | Naturalized Area     |

Figure 34  
 Definition of RSC Areas  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario



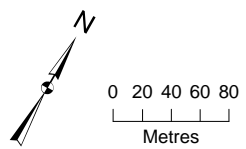


Long term Soil Processing Facility used for laydown area, stockpiling, bioremediation and geotube dewatering

Long term Soil Processing Facility #2 used for laydown area, stockpiling, bioremediation and geotube dewatering

Long term Soil Processing Facility #3 used for laydown area, stockpiling, bioremediation and geotube dewatering

At excavation Soil Processing - equipment moved to each phase - stationary for 1 year or more - used for dry soil screening/washing, wet hydrocyclone and centrifuge - soil is segregated and directed to either long term soil processing, reuse or offsite disposal.

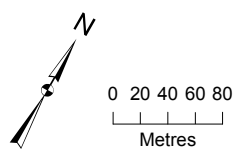
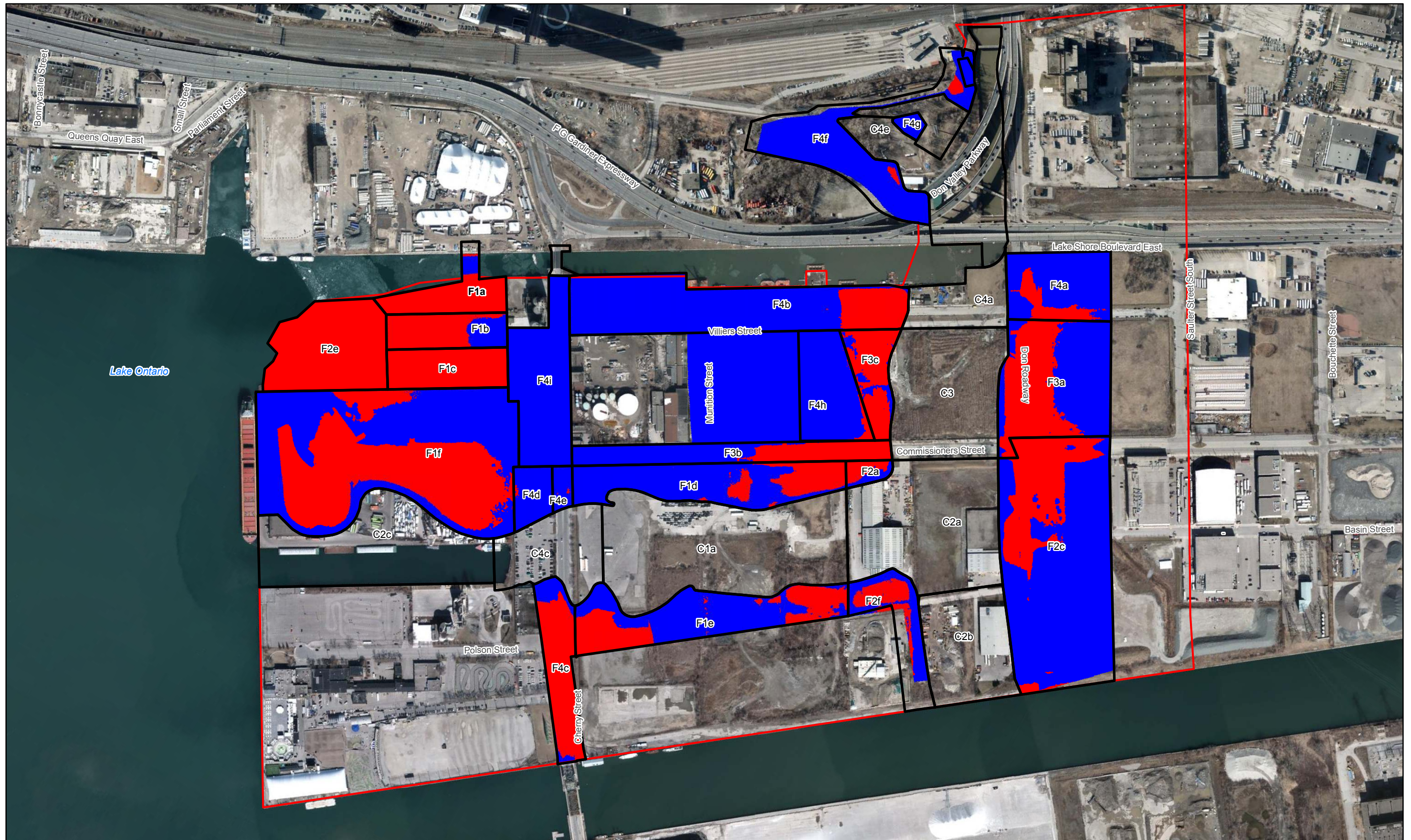


- Address Points (From City Toronto Website)
- Existing Building
- Heritage Building
- Stage 2 Study Boundary
- Current Land Use
- Road
- Industrial/Commercial
- ➔ Material Flow
- Soil Processing Location
- Extent of River Valley Excavation Area

Notes:  
1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 35  
Soil Processing Locations  
Environmental Assessment and Geotechnical and Earthworks Report  
Waterfront Toronto  
Toronto, Ontario



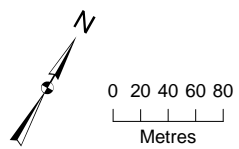


- Stage 2 Study Boundary
- Areas to be filled without a need for overexcavation
- Areas to be overexcavated to establish the required thickness of risk management barrier

Notes:  
 1. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

**Figure 36**  
 RA/RM Overcut Areas  
 Preliminary Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario





Stage 2 Study Boundary  
 Extent of River Valley Excavation Area

Notes:  
 1. Service Layer Credits: Source:  
 Esri, DigitalGlobe, GeoEye, Earthstar  
 Geographics, CNES/Airbus DS,  
 USDA, USGS, AEX, Getmapping,  
 Aerogrid, IGN, IGP, swisstopo, and  
 the GIS User Community

Figure 37  
 River Valley Excavation Areas  
 Environmental Assessment and Geotechnical and Earthworks Report  
 Waterfront Toronto  
 Toronto, Ontario