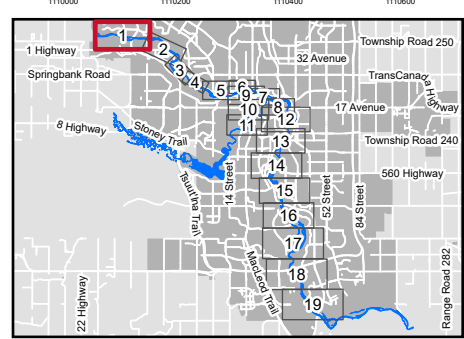
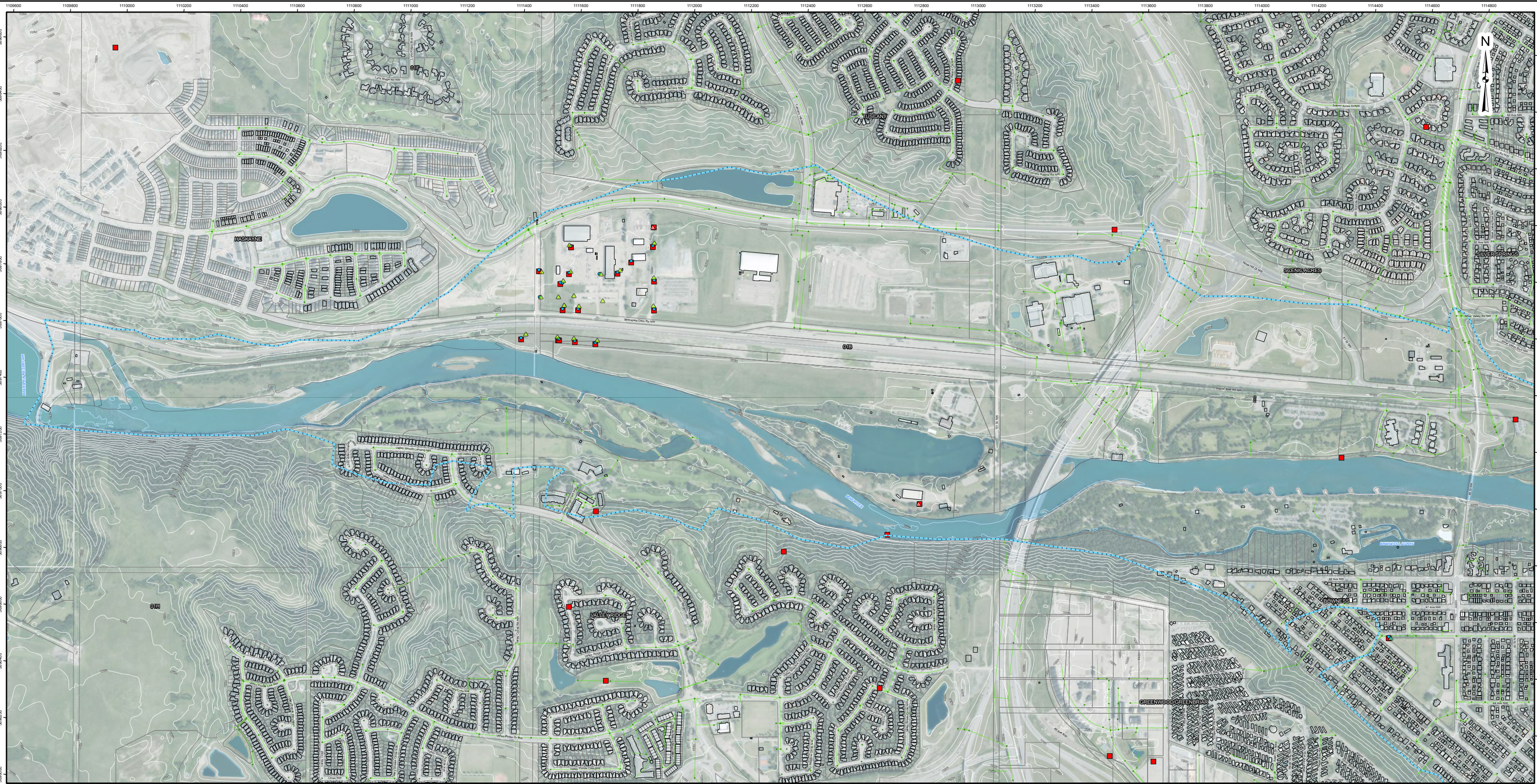


Hydrological Information

- | | | | |
|-----|----------------------------|-----|------------------------|
| 1. | Valley Ridge | 11. | Lower Elbow |
| 2. | Bowness | 12. | Inglewood – Bonnybrook |
| 3. | Montgomery | 13. | Bonnybrook |
| 4. | Point McKay | 14. | Deerfoot Meadows |
| 5. | Hillhurst / West Hillhurst | 15. | Riverbend/Quarry Park |
| 6. | Sunnyside | 16. | Douglasdale |
| 7. | East Village / Bridgeland | 17. | Fish Creek |
| 8. | Inglewood | 18. | South Stoney Trail |
| 9. | Downtown | 19. | Pine Creek/Cranston |
| 10. | Beltline | | |



LEGEND

- | | | | |
|--|------------------------------|--|---------------------------------|
| | Continous Measurement | | Waterbody |
| | Discrete Measurement | | Alluvial Aquifer / Model Domain |
| | GIC Measurement | | Building Footprint |
| | Model Borehole Log Location | | Parcel for Map |
| | Bedrock Observation | | Community District |
| | Manhole | | |
| | Outfall | | |
| | Storm Network | | |
| | Flood Control Structure | | |
| | Sunnyside Seepage Collection | | |

NOTES

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FIGURE 1.1

HYDROGEOLOGICAL INFORMATION 1 - VALLEY RIDGE

PROJECT

CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION

NAD 1983 CSRS 3TM 114

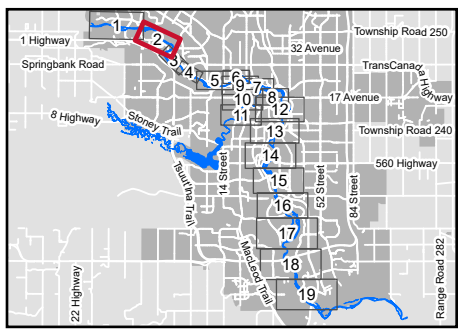
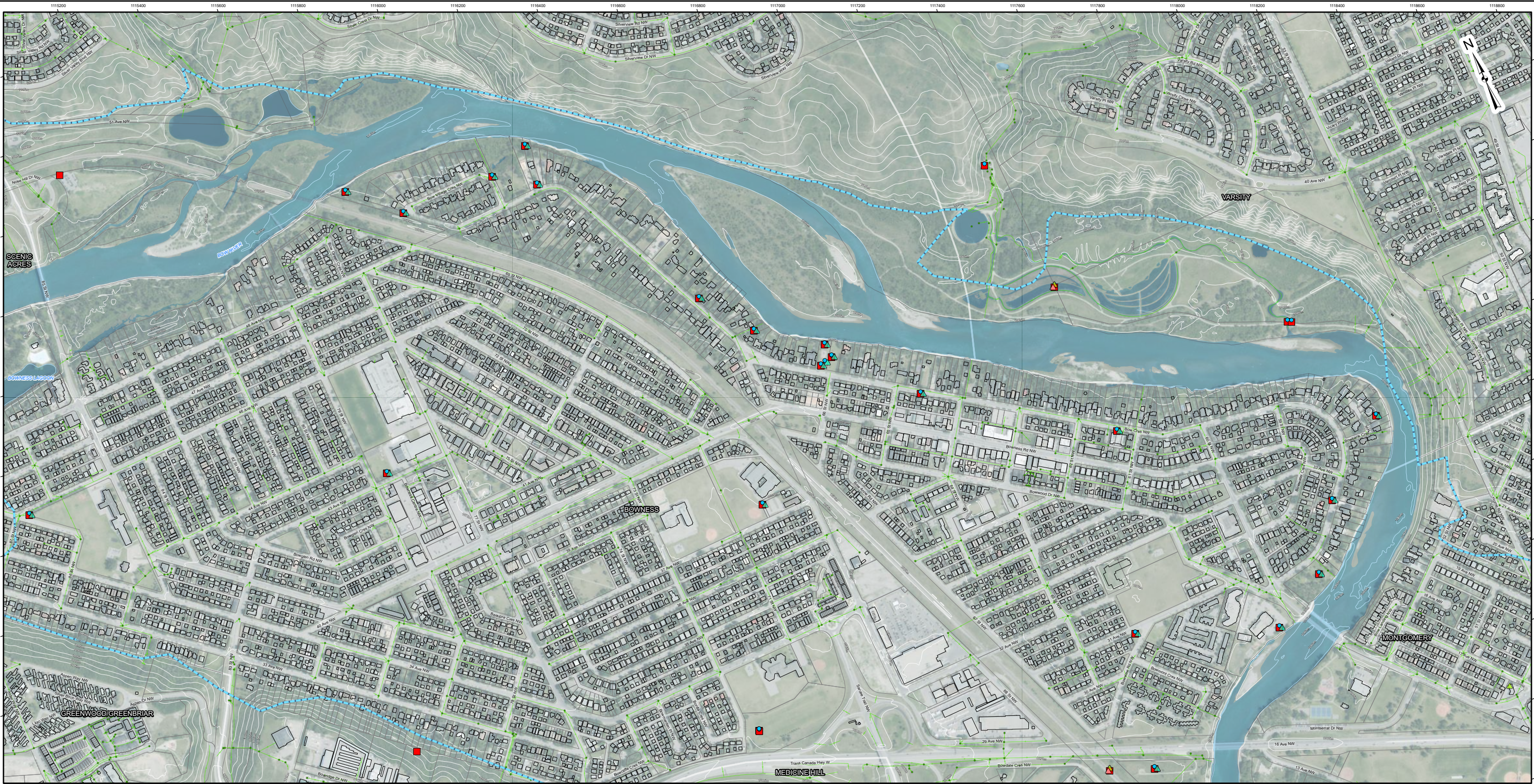
0 80 160
Meters

SCALE 1:13,500

DATE 8/14/2026

AUTHOR TDaSilva





LEGEND

- Continous Measurement
- Discrete Measurement
- GIC Measurement
- Model Borehole Log Location
- Bedrock Observation
- Manhole
- Outfall
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

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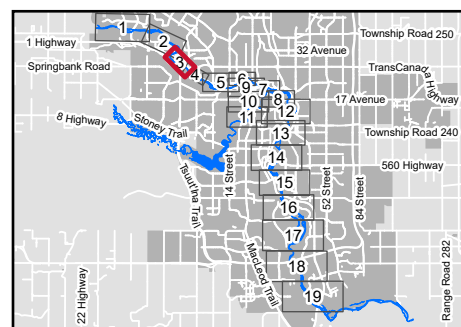
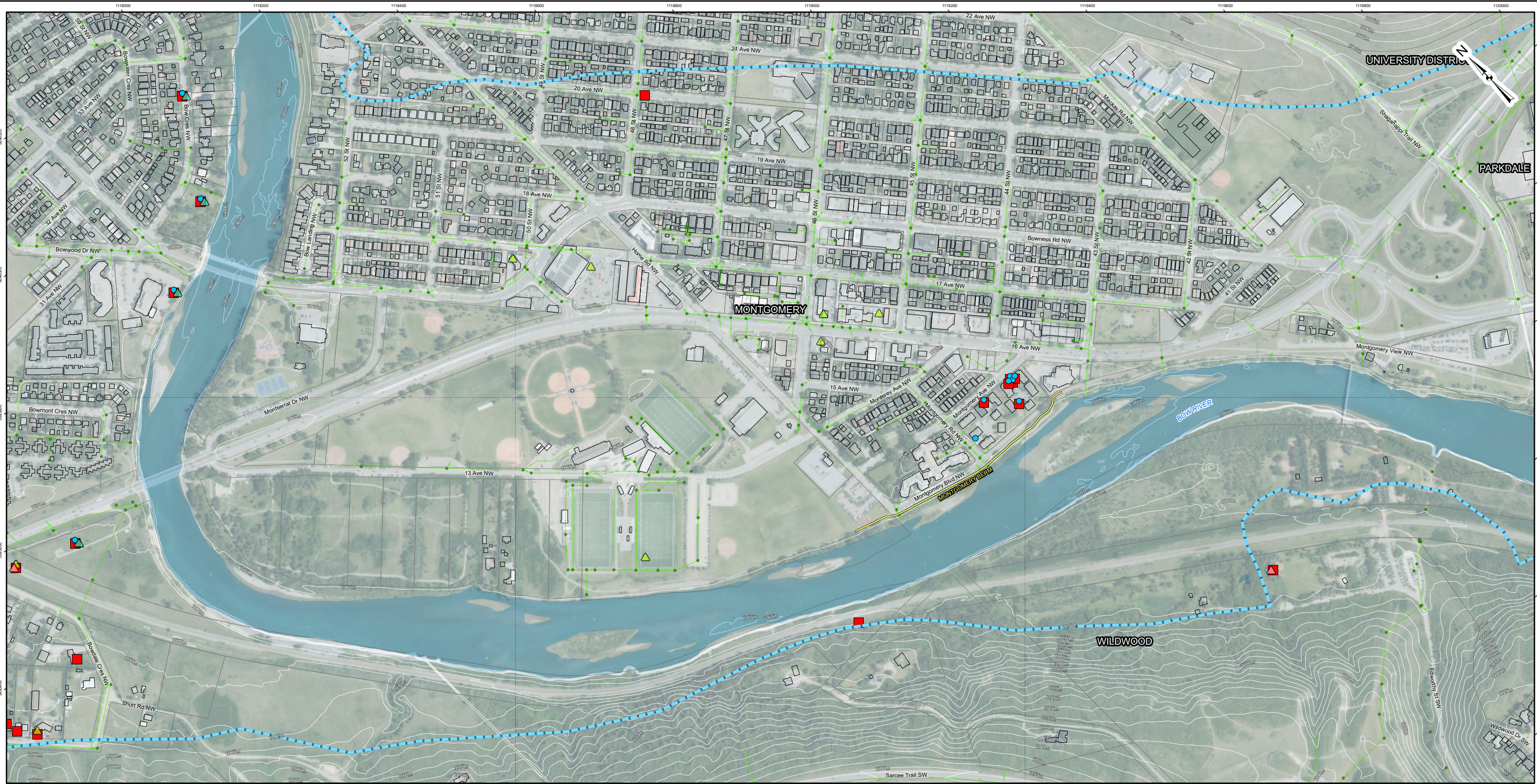
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FIGURE 1.1
HYDROGEOLOGICAL INFORMATION
2 - BOWNESS

PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY
PROJECTION
NAD 1983 CSRS 3TM 114
SCALE 1:10,000
DATE 8/14/2026
AUTHOR TDaSilva





LEGEND

- | | | | |
|--|------------------------------|--|---------------------------------|
| | Continous Measurement | | Waterbody |
| | Discrete Measurement | | Alluvial Aquifer / Model Domain |
| | GIC Measurement | | Building Footprint |
| | Model Borehole Log Location | | Parcel for Map |
| | Bedrock Observation | | Community District |
| | Manhole | | |
| | Outfall | | |
| | Storm Network | | |
| | Flood Control Structure | | |
| | Sunnyside Seepage Collection | | |

NOTES

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1119000

FIGURE 1.1
HYDROGEOLOGICAL INFORMATION
3 - MONTGOMERY

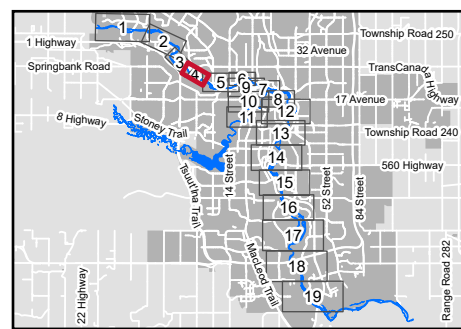
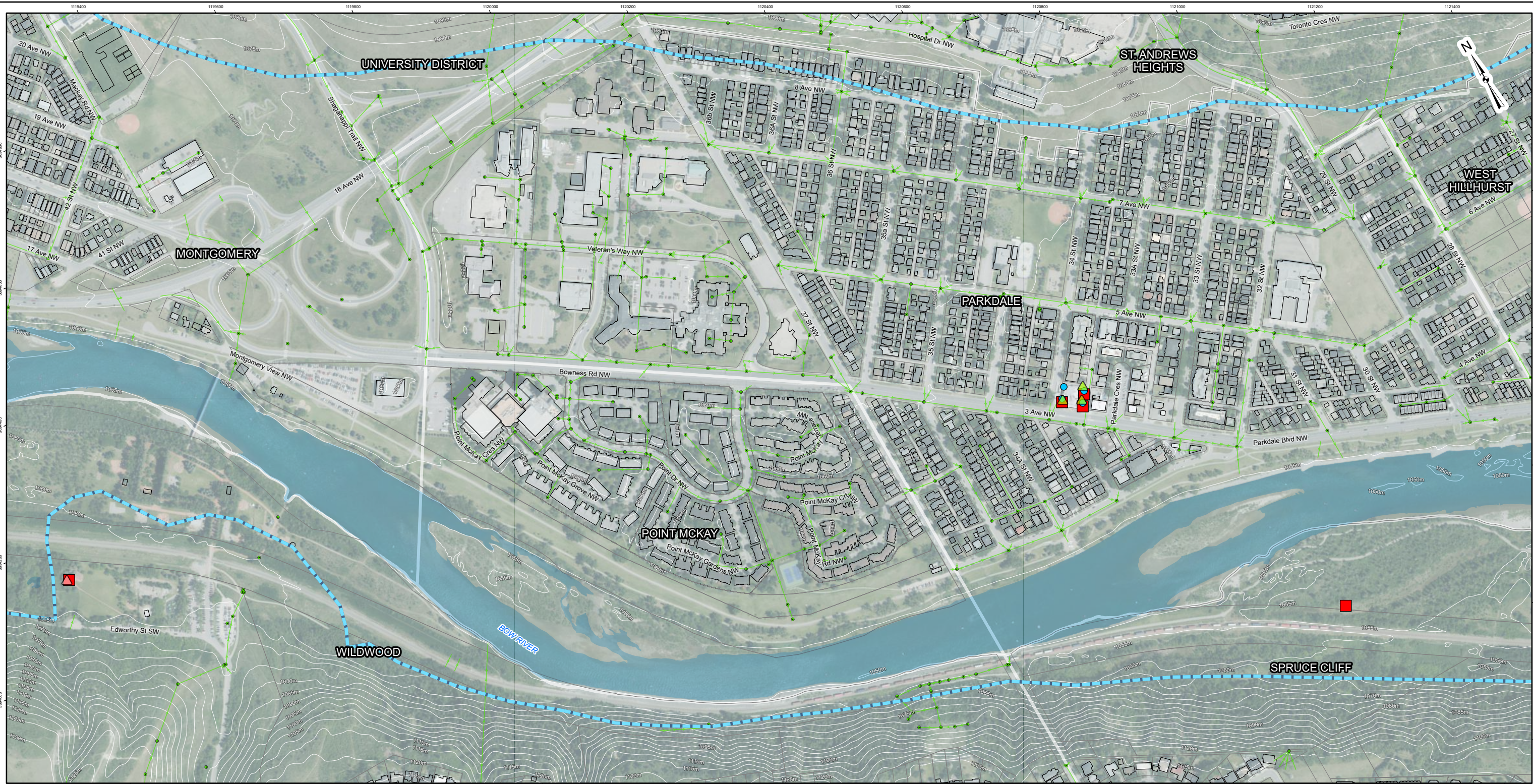
PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION
 NAD 1983 CSRS 3TM 114

0 40 80 Meters

SCALE 1:7,000 DATE 8/14/2026 AUTHOR TDaSilva





LEGEND

- | | | | |
|--|------------------------------|--|---------------------------------|
| | Continous Measurement | | Waterbody |
| | Discrete Measurement | | Alluvial Aquifer / Model Domain |
| | GIC Measurement | | Building Footprint |
| | Model Borehole Log Location | | Parcel for Map |
| | Bedrock Observation | | Community District |
| | Manhole | | |
| | Outfall | | |
| | Storm Network | | |
| | Flood Control Structure | | |
| | Sunnyside Seepage Collection | | |

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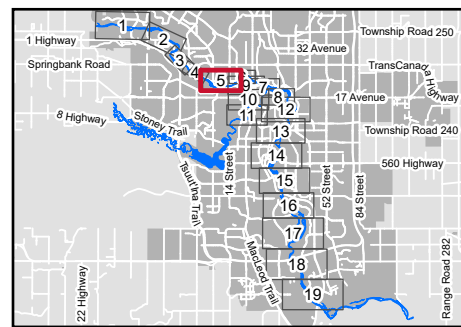
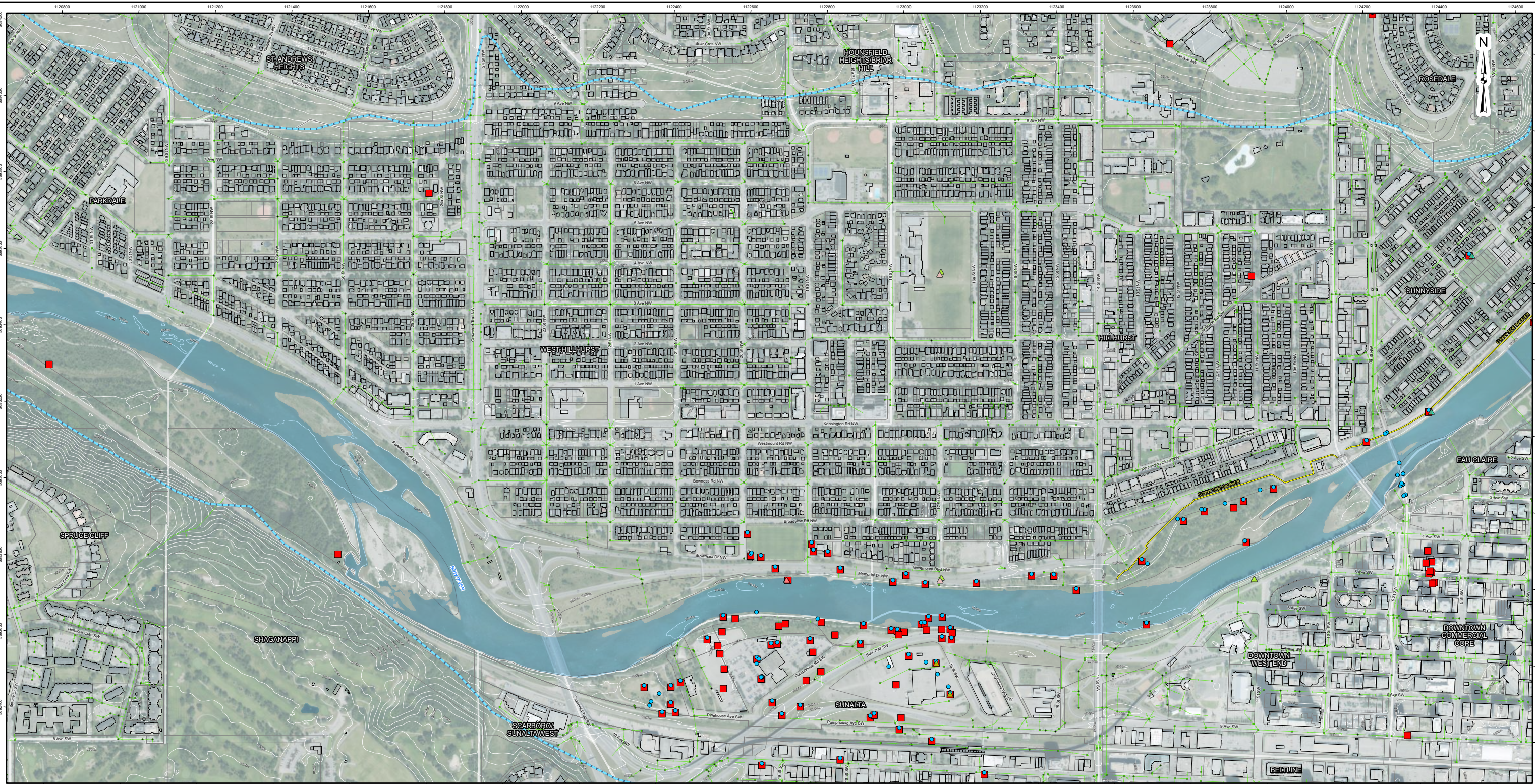
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FIGURE 1.1
HYDROGEOLOGICAL INFORMATION
4 - POINT MCKAY

PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY
PROJECTION
NAD 1983 CSRS 3TM 114
SCALE 1:6,000 DATE 8/14/2026 AUTHOR TDaSilva





LEGEND

- Continuous Measurement
- Discrete Measurement
- GIC Measurement
- Model Borehole Log Location
- Bedrock Observation
- Manhole
- Outfall
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

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FIGURE 1.1
HYDROGEOLOGICAL INFORMATION
5 - HILLHURST / WEST HILLHURST

PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY
PROJECTION
NAD 1983 CSRS 3TM 114
SCALE 1:10,000
DATE 8/14/2026
AUTHOR TDaSilva





-  Continuous Measurement
-  Discrete Measurement
-  GIC Measurement
-  Model Borehole Log Location
-  Bedrock Observation
-  Manhole
-  Outfall
-  Storm Network
-  Flood Control Structure
-  Sunnyside Seepage Collection

-  Waterbody
-  Alluvial Aquifer / Model Domain
-  Building Footprint
-  Parcel for Map
-  Community District

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FIGURE 1.1
HYDROGEOLOGICAL INFORMATION
6 - SUNNYSIDE

PROJECT

CANGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION
NAD 1983 CSRS 3TM 114

0 30 60 Meters

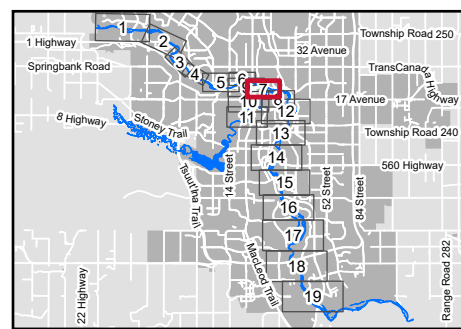
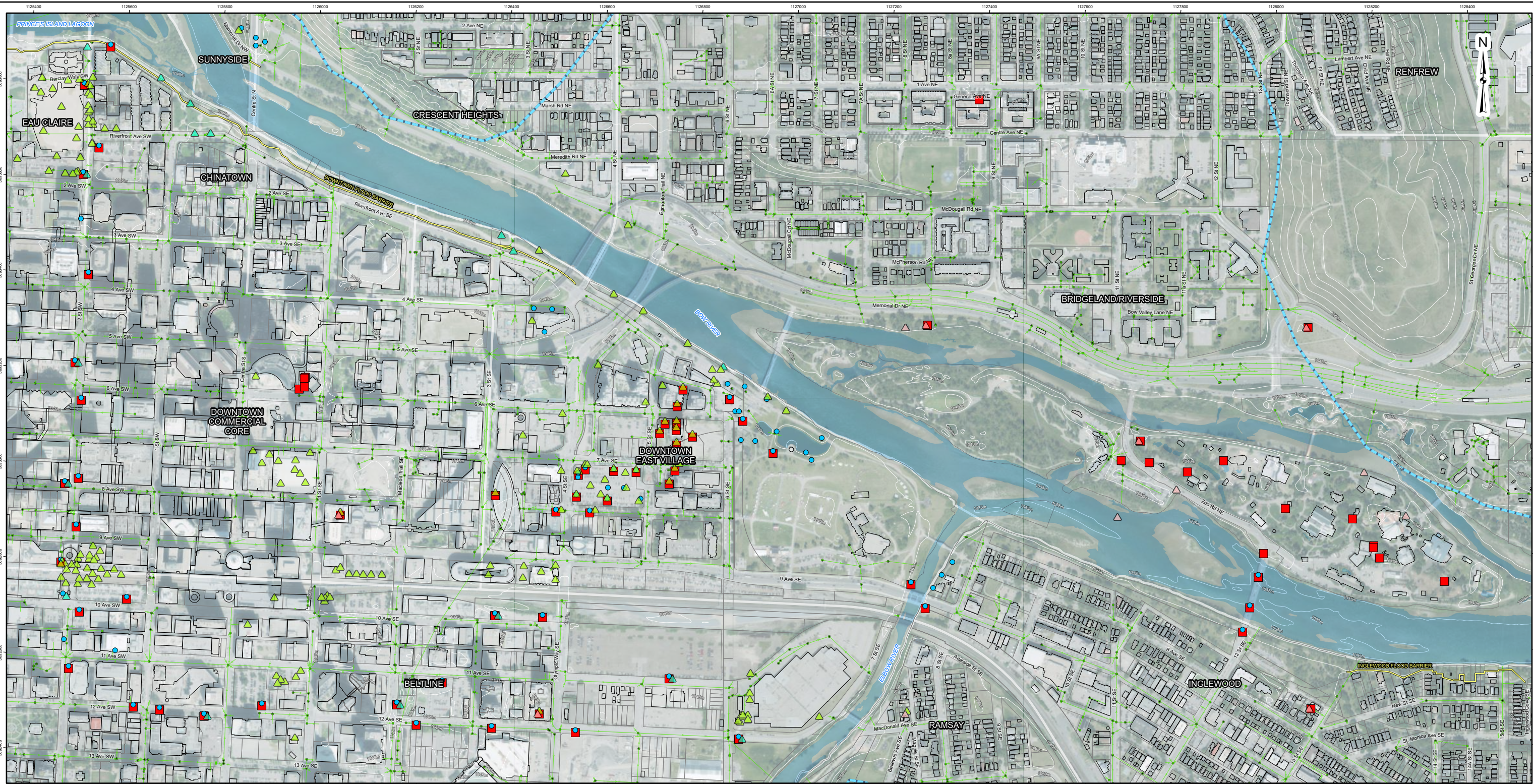
SCALE 1:6,500 DATE 8/14/2026 AUTHOR TDaSilva



Fluid Domains

Calgary





LEGEND

- | | | | |
|--|------------------------------|--|---------------------------------|
| | Continous Measurement | | Waterbody |
| | Discrete Measurement | | Alluvial Aquifer / Model Domain |
| | GIC Measurement | | Building Footprint |
| | Model Borehole Log Location | | Parcel for Map |
| | Bedrock Observation | | Community District |
| | Manhole | | |
| | Outfall | | |
| | Storm Network | | |
| | Flood Control Structure | | |
| | Sunnyside Seepage Collection | | |

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FIGURE 1.1
HYDROGEOLOGICAL INFORMATION
7 - EAST VILLAGE / BRIDGELAND

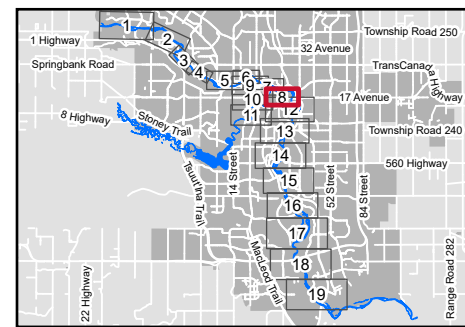
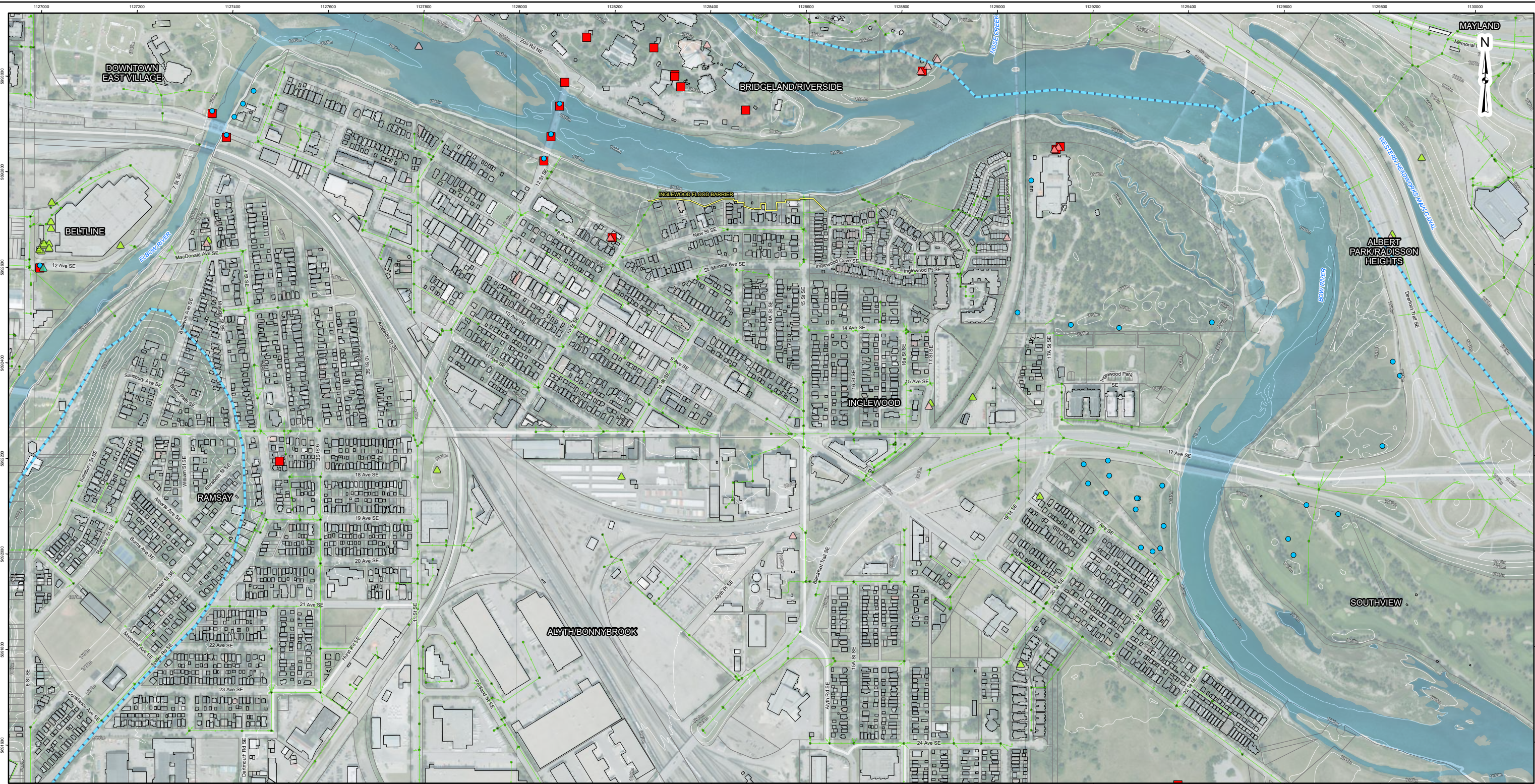
PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION
NAD 1983 CSRS 3TM 114

SCALE 1:8,000 DATE 8/14/2026 AUTHOR TDaSilva



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LEGEND

- | | | | |
|--|------------------------------|--|---------------------------------|
| | Contour Measurement | | Waterbody |
| | Discrete Measurement | | Alluvial Aquifer / Model Domain |
| | GIC Measurement | | Building Footprint |
| | Model Borehole Log Location | | Parcel for Map |
| | Bedrock Observation | | Community District |
| | Manhole | | |
| | Outfall | | |
| | Storm Network | | |
| | Flood Control Structure | | |
| | Sunnyside Seepage Collection | | |

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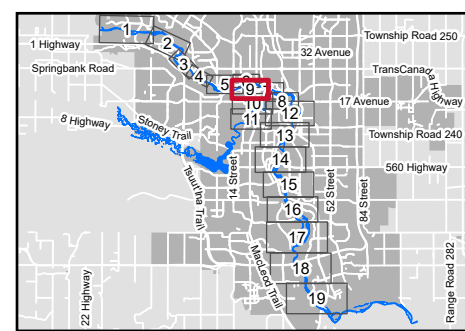
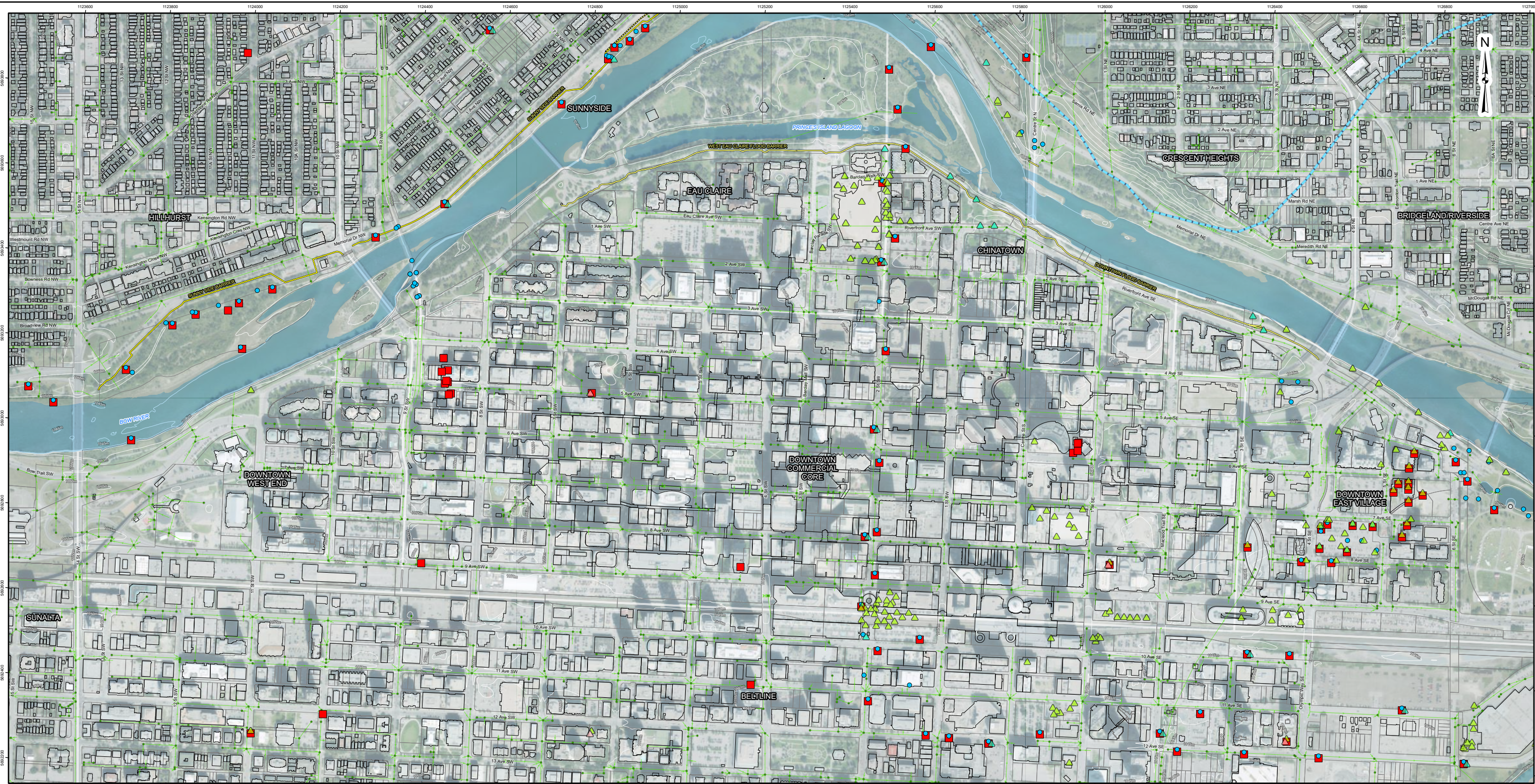
FIGURE 1.1
HYDROGEOLOGICAL INFORMATION
8 - INGLEWOOD

PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION
NAD 1983 CSRS 3TM 114

SCALE 1:8,000 DATE 8/14/2026 AUTHOR TDaSilva





LEGEND

- Continuous Measurement
- Discrete Measurement
- GIC Measurement
- Model Borehole Log Location
- Bedrock Observation
- Manhole
- Outfall
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

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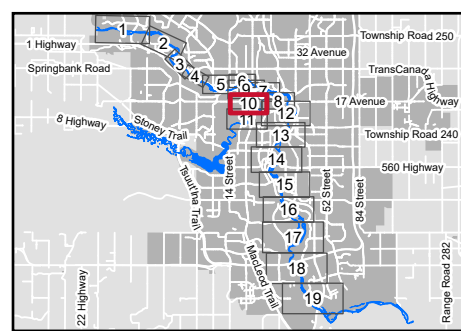
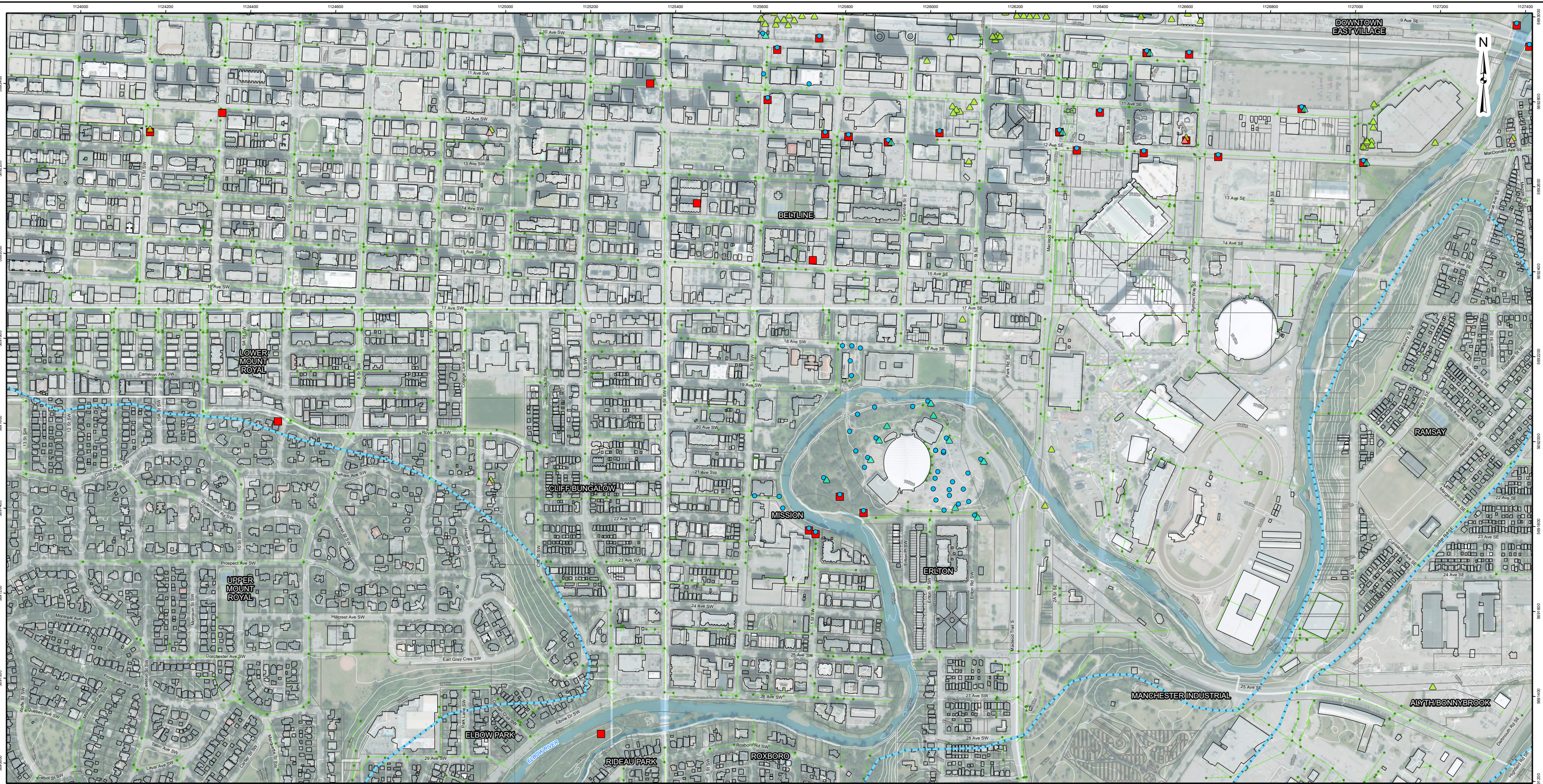
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FIGURE 1.1
HYDROGEOLOGICAL INFORMATION
9 - DOWNTOWN

PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY
PROJECTION
NAD 1983 CSRS 3TM 114
SCALE 1:9,000
DATE 8/14/2026
AUTHOR TDaSilva





LEGEND

- | | | | |
|--|------------------------------|--|---------------------------------|
| | Continous Measurement | | Waterbody |
| | Discrete Measurement | | Alluvial Aquifer / Model Domain |
| | GIC Measurement | | Building Footprint |
| | Model Borehole Log Location | | Parcel for Map |
| | Bedrock Observation | | Community District |
| | Manhole | | |
| | Outfall | | |
| | Storm Network | | |
| | Flood Control Structure | | |
| | Sunnyside Seepage Collection | | |

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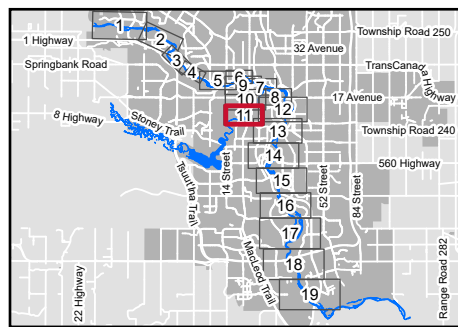
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FIGURE 1.1
HYDROGEOLOGICAL INFORMATION
10 - BELTLINE

PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY
PROJECTION
NAD 1983 CSRS 3TM 114
SCALE 1:9,000
DATE 8/14/2026
AUTHOR TDaSilva





LEGEND

Continous Measurement

Discrete Measurement

GIC Measurement

Model Borehole Log Location

Bedrock Observation

Manhole

Outfall

Storm Network

Flood Control Structure

Sunnyside Seepage Collection

Waterbody

Alluvial Aquifer / Model Domain

Building Footprint

Parcel for Map

Community District

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FIGURE 1.1
HYDROGEOLOGICAL INFORMATION
11 - LOWER ELBOW

PROJECT

CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION

NAD 1983 CSRS 3TM 114

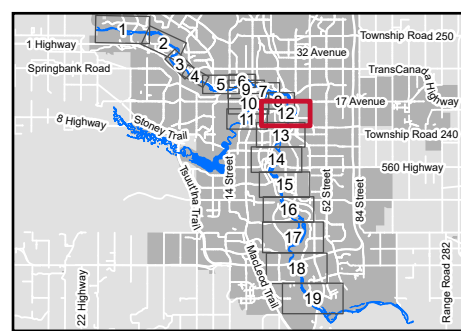
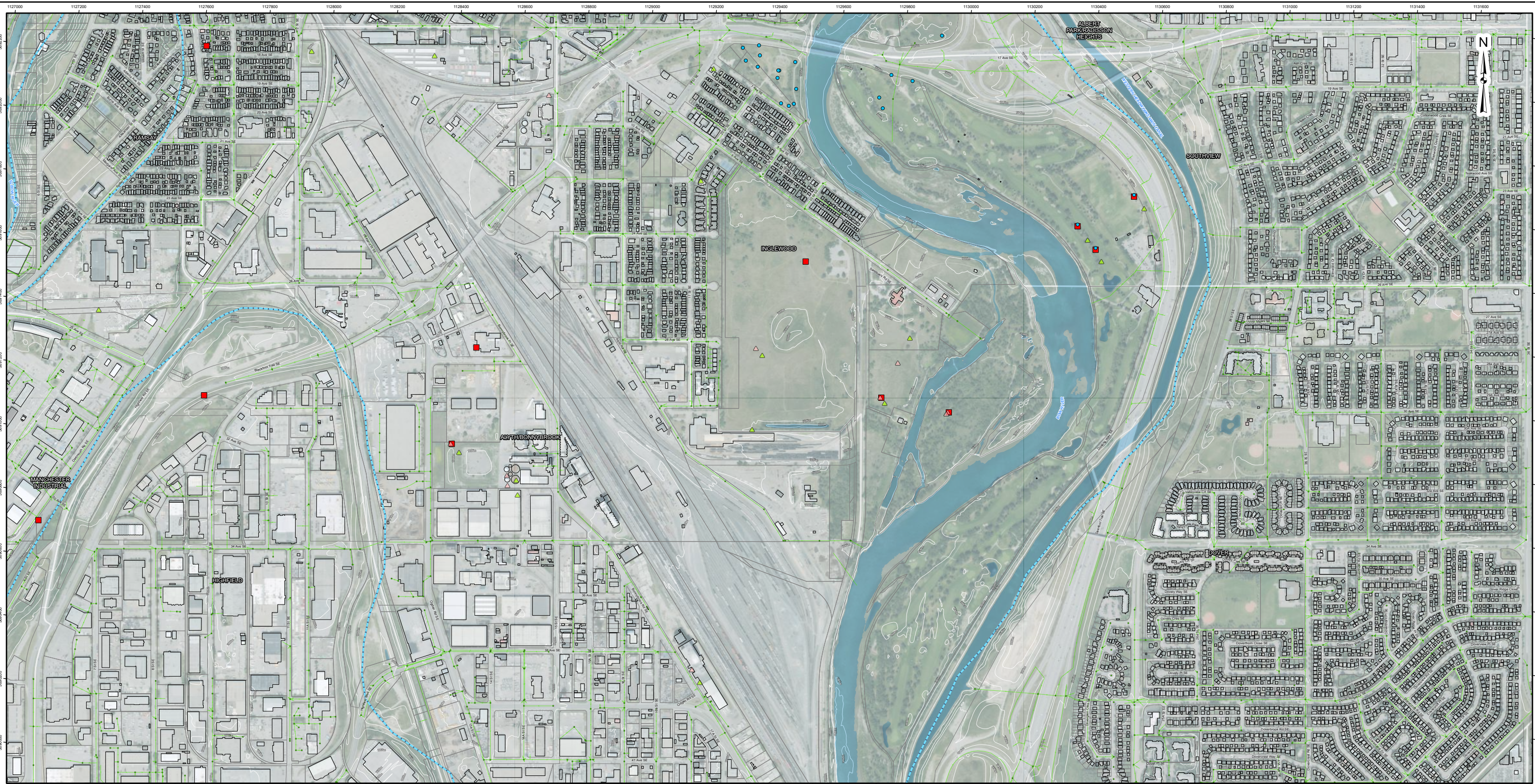
SCALE 1:9,000

DATE 8/14/2026

AUTHOR TDaSilva

0 50 100
Meters





LEGEND

- | | | | |
|--|------------------------------|--|---------------------------------|
| | Continous Measurement | | Waterbody |
| | Discrete Measurement | | Alluvial Aquifer / Model Domain |
| | GIC Measurement | | Building Footprint |
| | Model Borehole Log Location | | Parcel for Map |
| | Bedrock Observation | | Community District |
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| | Outfall | | |
| | Storm Network | | |
| | Flood Control Structure | | |
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FIGURE 1.1
HYDROGEOLOGICAL INFORMATION
12 - INGLEWOOD - BONNYBROOK

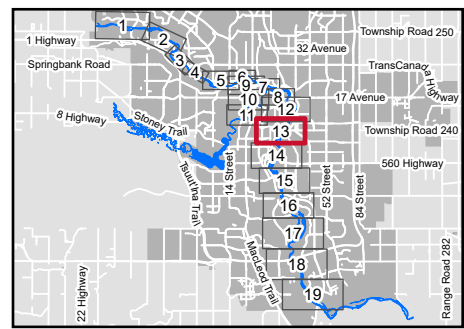
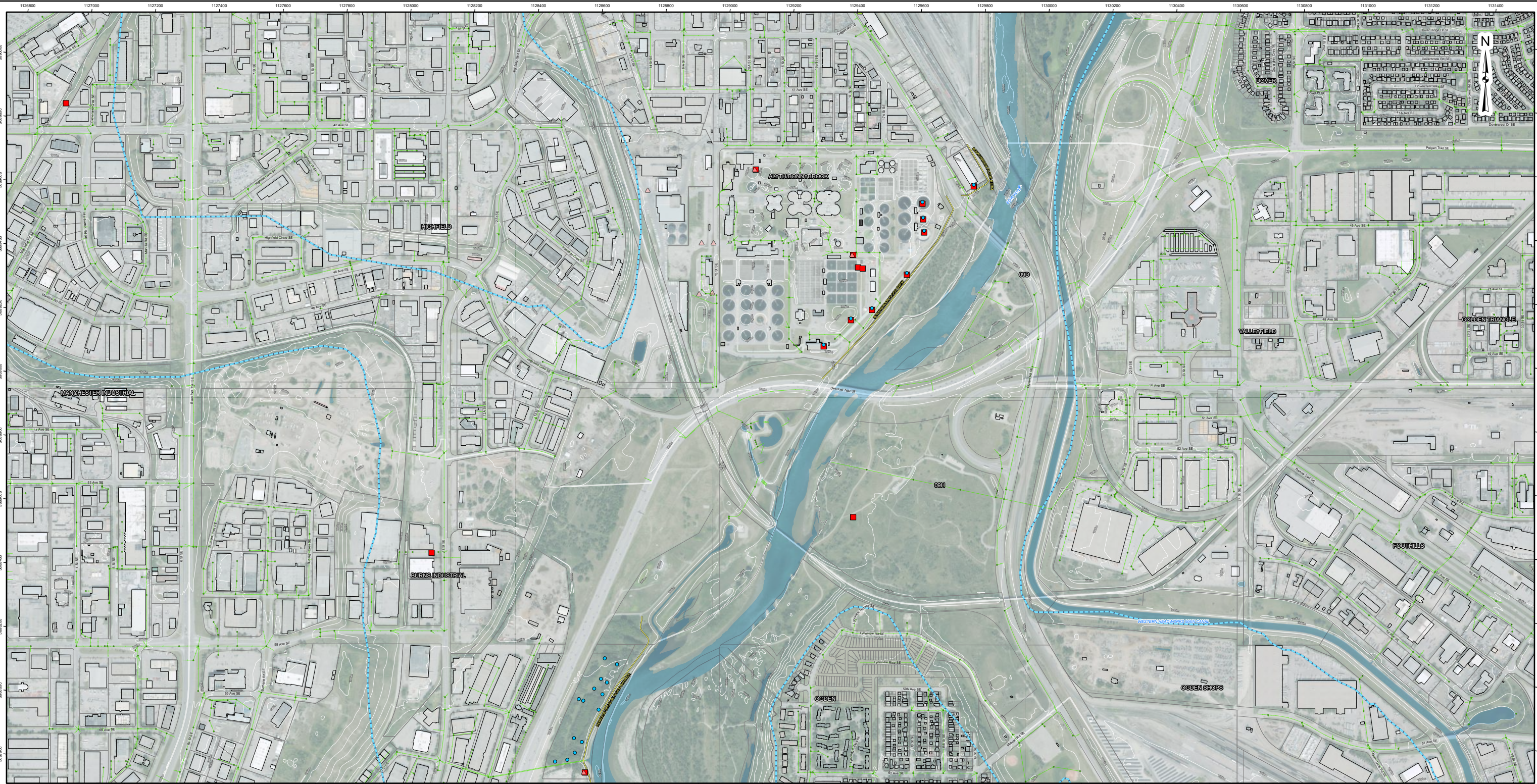
PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION
NAD 1983 CSRS 3TM 114

0 70 140
Meters

SCALE 1:12,000 DATE 8/14/2026 AUTHOR TDaSilva





LEGEND

	Continous Measurement		Waterbody
	Discrete Measurement		Alluvial Aquifer / Model Domain
	GIC Measurement		Building Footprint
	Model Borehole Log Location		Parcel for Map
	Bedrock Observation		Community District
	Manhole		
	Outfall		
	Storm Network		
	Flood Control Structure		
	Sunnyside Seepage Collection		

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FIGURE 1.1
HYDROGEOLOGICAL INFORMATION
13 - BONNYBROOK

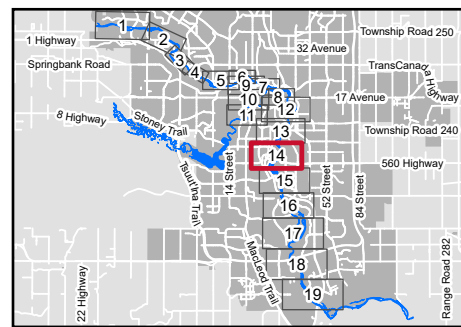
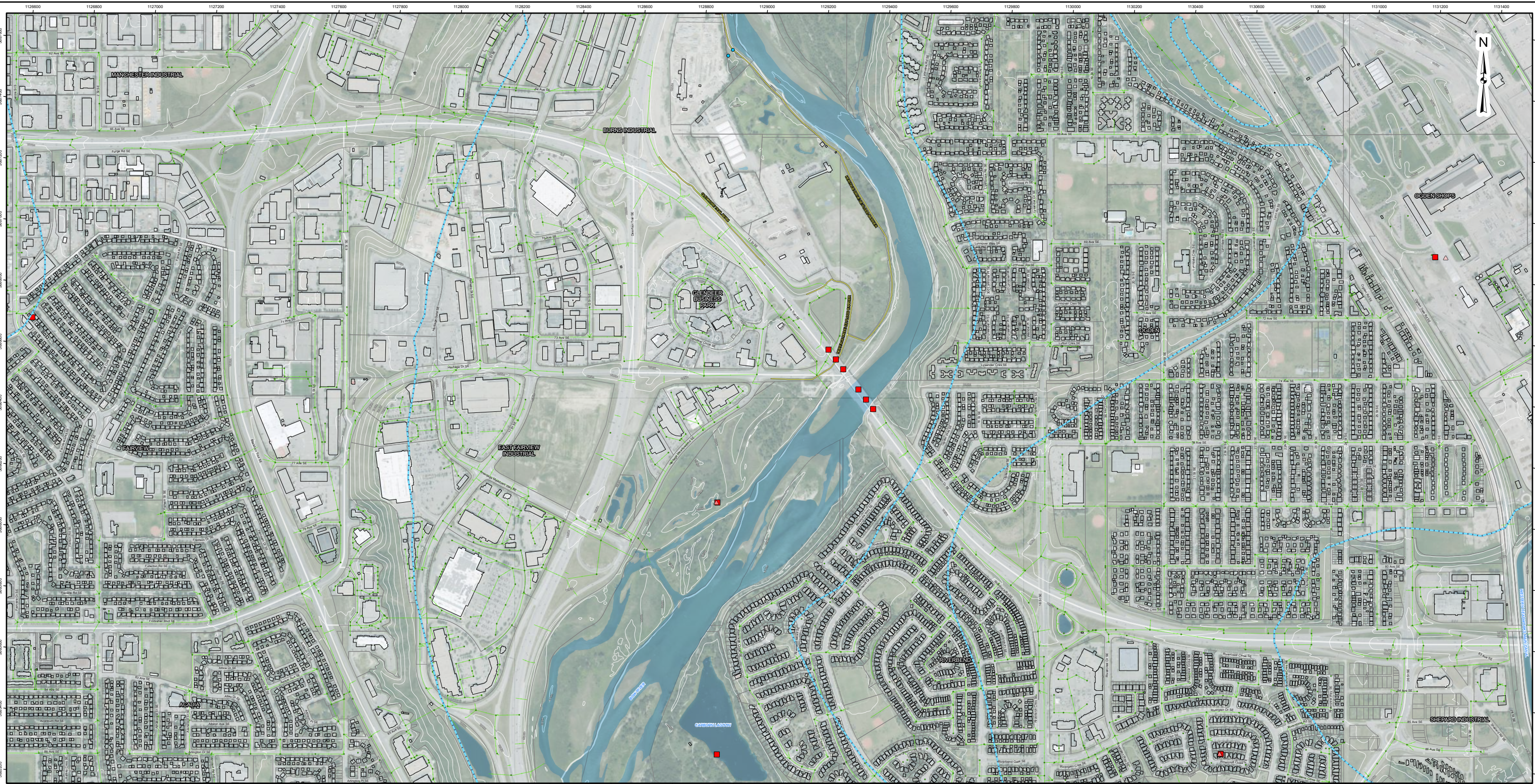
PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION
NAD 1983 CSRS 3TM 114

SCALE 1:12,000 **DATE** 8/14/2026 **AUTHOR** TDaSilva

0 70 140 Meters





LEGEND

- Continous Measurement
- Discrete Measurement
- GIC Measurement
- Model Borehole Log Location
- Bedrock Observation
- Manhole
- Outfall
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

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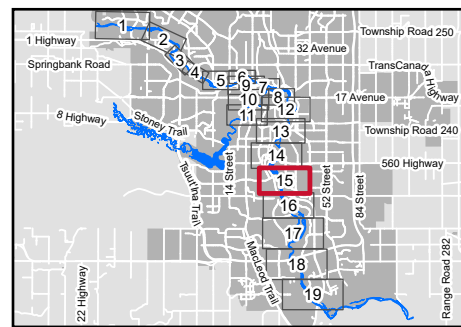
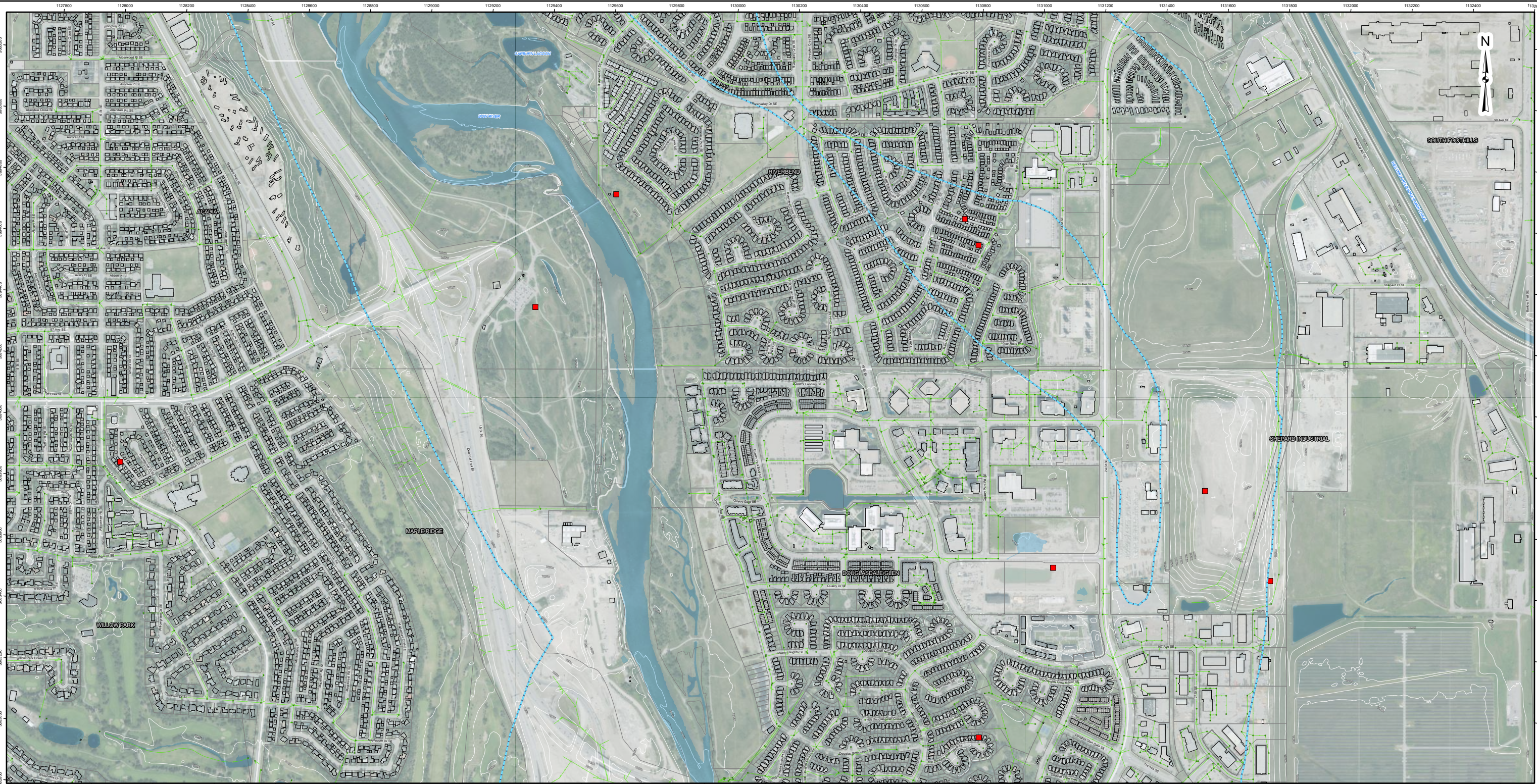
FIGURE 1.1
HYDROGEOLOGICAL INFORMATION
14 - DEERFOOT MEADOWS

PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION
NAD 1983 CSRS 3TM 114

SCALE 1:12,500 DATE 8/14/2026 AUTHOR TDaSilva





LEGEND

- Continous Measurement
- Discrete Measurement
- GIC Measurement
- Model Borehole Log Location
- Bedrock Observation
- Manhole
- Outfall
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

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FIGURE 1.1
HYDROGEOLOGICAL INFORMATION
15 - RIVERBEND / QUARRY PARK

PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY
PROJECTION
NAD 1983 CSRS 3TM 114
SCALE 1:12,500
DATE 8/14/2026
AUTHOR TDaSilva





- | | | | |
|---|------------------------------|---|---------------------------------|
|  | Continous Measurement |  | Waterbody |
|  | Discrete Measurement |  | Alluvial Aquifer / Model Domain |
|  | GIC Measurement |  | Building Footprint |
|  | Model Borehole Log Location |  | Parcel for Map |
|  | Bedrock Observation |  | Community District |
|  | Manhole | | |
|  | Outfall | | |
|  | Storm Network | | |
|  | Flood Control Structure | | |
|  | Sunnyside Seepage Collection | | |

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FIGURE 1.1
HYDROGEOLOGICAL INFORMATION
16 - DOUGLASDALE

PROJECT

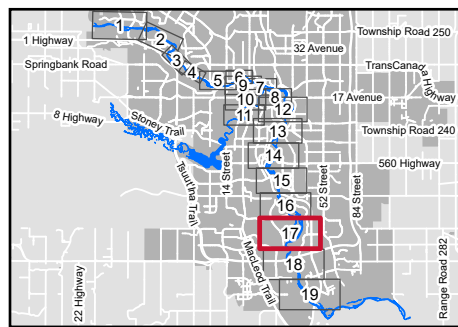
CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION
NAD 1983 CSRS 3TM 114

0 75 150 Meters

SCALE 1:12,500 DATE 8/14/2026 AUTHOR TDaSilva





LEGEND

- | | | | |
|---|------------------------------|---|---------------------------------|
|  | Continous Measurement |  | Waterbody |
|  | Discrete Measurement |  | Alluvial Aquifer / Model Domain |
|  | GIC Measurement |  | Building Footprint |
|  | Model Borehole Log Location |  | Parcel for Map |
|  | Bedrock Observation |  | Community District |
|  | Manhole | | |
|  | Outfall | | |
|  | Storm Network | | |
|  | Flood Control Structure | | |
|  | Sunnyside Seepage Collection | | |

NOTES

1. Groundwater data was collected from various sources from the City of Calgary.
2. A full list of reports can be found in the River Valley Groundwater Study 2026.

DATA SOURCES

- Groundwater and bedrock data compiled from various sources and reports.
- Elevation data from the City wide 2022 LIDAR data and 2020 bathymetry data.
- Property assessment, building footprint, storm network, hydrology, flood control structures and other base data were sourced from the City of Calgary geospatial data.
- Ortho Imagery from the City of Calgary (2024)

FIGURE 1.1
HYDROGEOLOGICAL INFORMATION
17 - FISH CREEK

PROJECT

CALTARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION

NAD 1983 CSRS 3TM 114

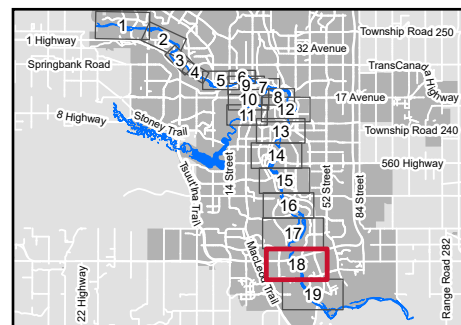
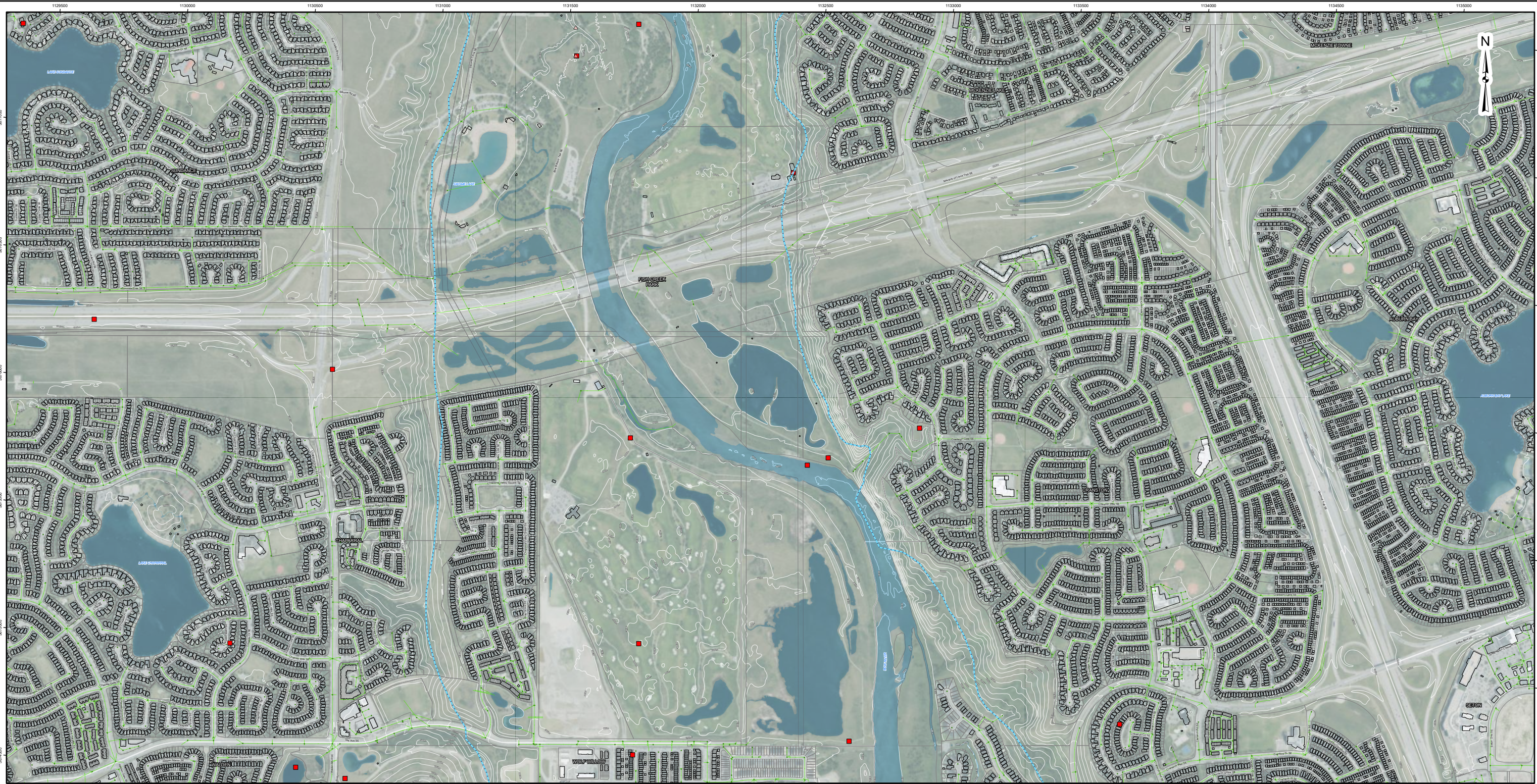
A scale bar with a black background and white markings. The numbers 0, 90, and 180 are positioned above the bar. A white rectangular segment is located between the 0 and 90 marks. The word "Meters" is written to the right of the bar.

SCALE 1:15,000

DATE 8/14/2026

AUTHOR TDaSilva





LEGEND

- Continous Measurement
- Discrete Measurement
- GIC Measurement
- Model Borehole Log Location
- Bedrock Observation
- Manhole
- Outfall
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

NOTES

- Groundwater data was collected from various sources from the City of Calgary.
- A full list of reports can be found in the River Valley Groundwater Study 2026.

DATA SOURCES

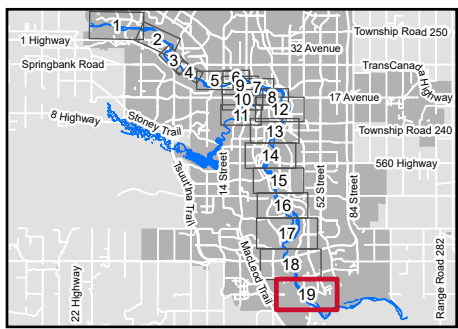
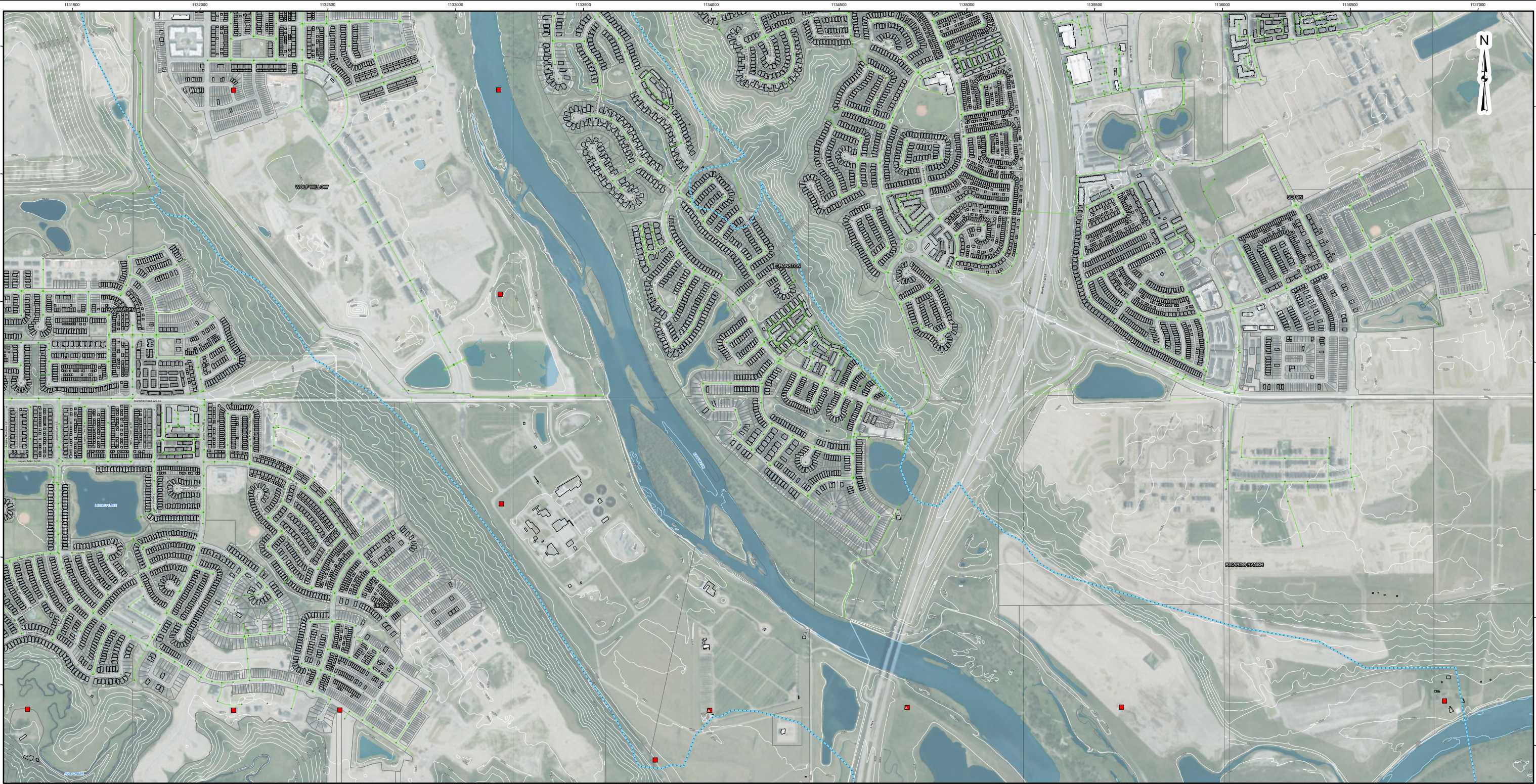
- Groundwater and bedrock data compiled from various sources and reports.
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- Ortho Imagery from the City of Calgary (2024)

FIGURE 1.1
HYDROGEOLOGICAL INFORMATION
18 - SOUTH STONEY TRAIL

PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION
NAD 1983 CSRS 3TM 114
SCALE 1:15,000
DATE 8/14/2026
AUTHOR TDaSilva





LEGEND

- Continous Measurement
- Discrete Measurement
- GIC Measurement
- Model Borehole Log Location
- Bedrock Observation
- Manhole
- Outfall
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

NOTES

- Groundwater data was collected from various sources from the City of Calgary.
- A full list of reports can be found in the River Valley Groundwater Study 2026.

DATA SOURCES

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- Property assessment, building footprint, storm network, hydrology, flood control structures and other base data were sourced from the City of Calgary geospatial data.
- Ortho Imagery from the City of Calgary (2024)

FIGURE 1.1

HYDROGEOLOGICAL INFORMATION 19 - PINE CREEK / CRANSTON

PROJECT

CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION

NAD 1983 CSRS 3TM 114

0 90 180
Meters

SCALE 1:15,000

DATE 8/14/2026

AUTHOR TDaSilva

