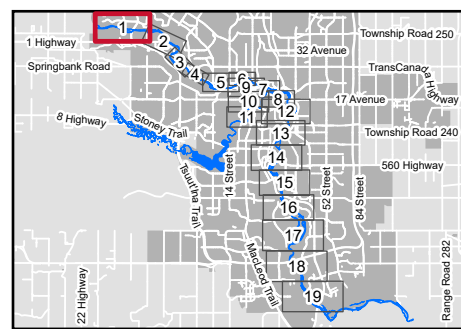
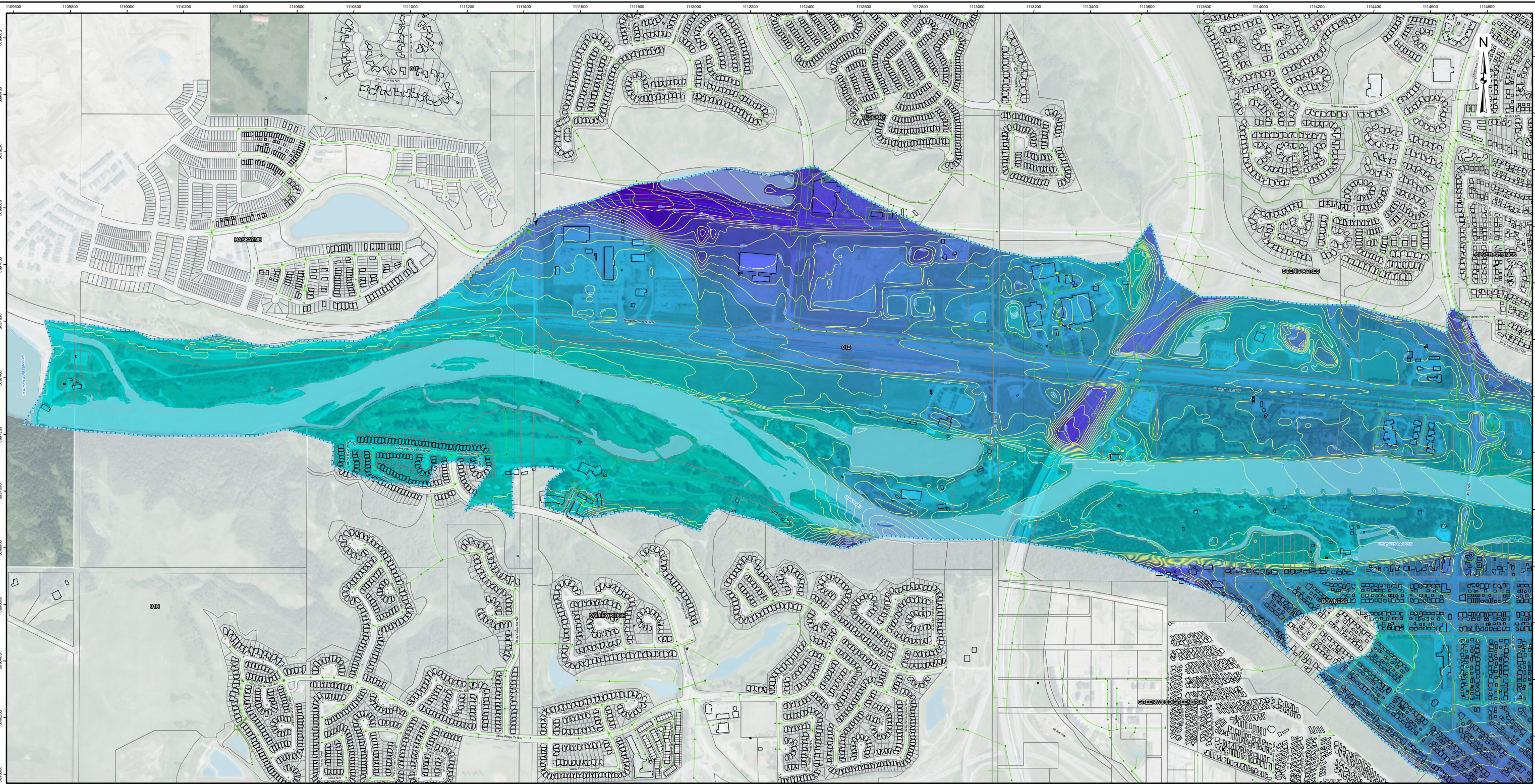


Alluvial Aquifer

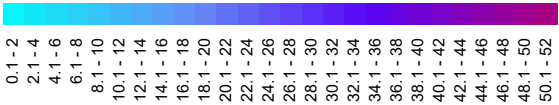
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|-----|----------------------------|-----|------------------------|
| 1. | Valley Ridge | 11. | Lower Elbow |
| 2. | Bowness | 12. | Inglewood – Bonnybrook |
| 3. | Montgomery | 13. | Bonnybrook |
| 4. | Point McKay | 14. | Deerfoot Meadows |
| 5. | 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

- Manhole
- Outfall
- Alluvial Aquifer Contours (2m)
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

Alluvial Aquifer Isopach (m)



NOTES

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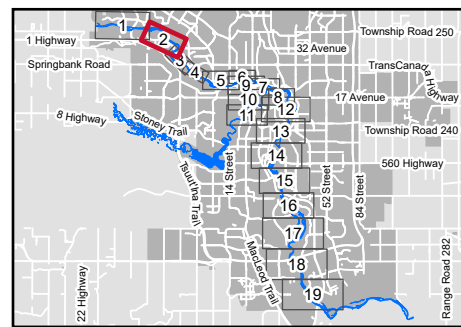
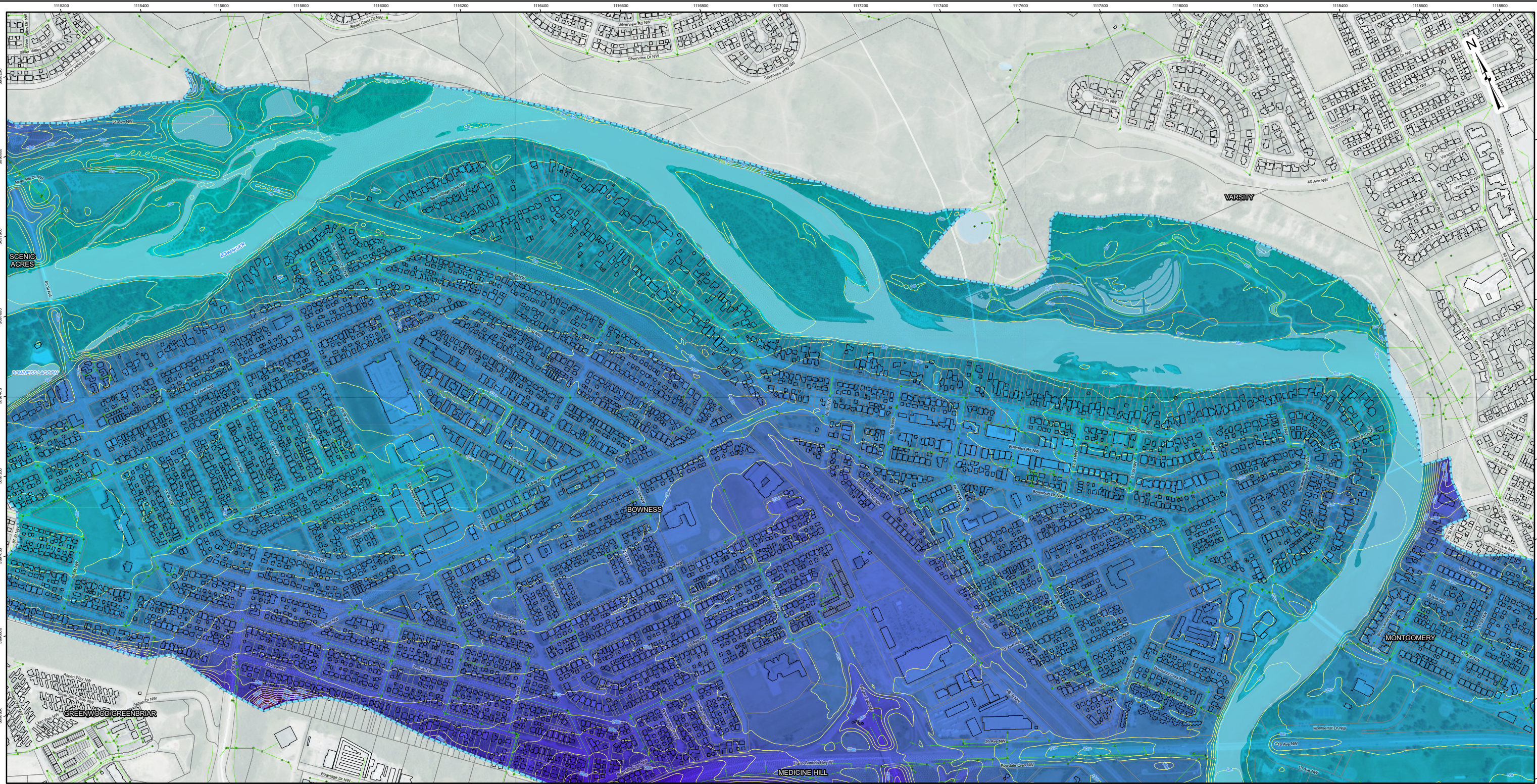
FIGURE 1.3
ALLUVIAL AQUIFER
1 - VALLEY RIDGE

PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION
NAD 1983 CSRS 3TM 114

SCALE 1:13,500 DATE 8/14/2026 AUTHOR TDaSilva





LEGEND

- Manhole
- Outfall
- Alluvial Aquifer Contours (2m)
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

Alluvial Aquifer Isopach (m)

0.1 - 2	2.1 - 4	4.1 - 6	6.1 - 8	8.1 - 10	10.1 - 12	12.1 - 14	14.1 - 16	16.1 - 18	18.1 - 20	20.1 - 22	22.1 - 24	24.1 - 26	26.1 - 28	28.1 - 30	30.1 - 32	32.1 - 34	34.1 - 36	36.1 - 38	38.1 - 40	40.1 - 42	42.1 - 44	44.1 - 46	46.1 - 48	48.1 - 50	50.1 - 52
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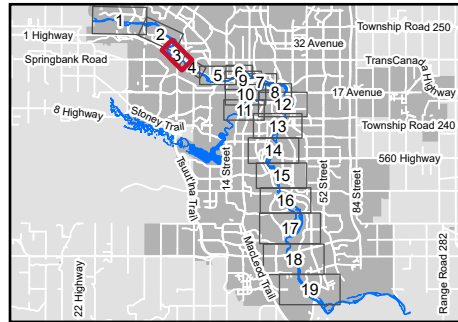
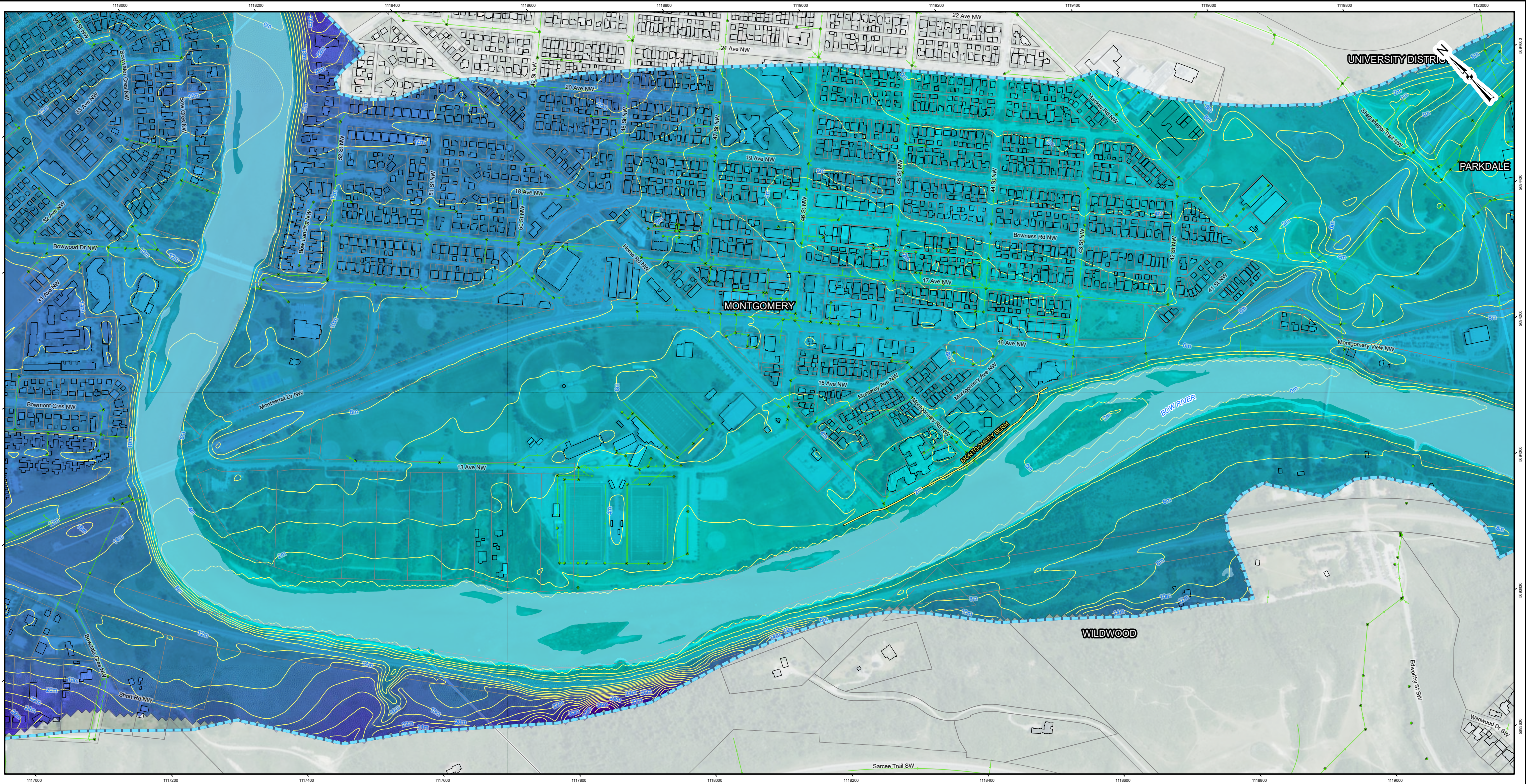
FIGURE 1.3
ALLUVIAL AQUIFER
2 - BOWNESS

PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION
NAD 1983 CSRS 3TM 114

SCALE 1:10,000 DATE 8/14/2026 AUTHOR TDaSilva





LEGEND

- Manhole
- Outfall
- Alluvial Aquifer Contours (2m)
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

Alluvial Aquifer Isopach (m)

0.1 - 2	2.1 - 4	4.1 - 6	6.1 - 8	8.1 - 10	10.1 - 12	12.1 - 14	14.1 - 16	16.1 - 18	18.1 - 20	20.1 - 22	22.1 - 24	24.1 - 26	26.1 - 28	28.1 - 30	30.1 - 32	32.1 - 34	34.1 - 36	36.1 - 38	38.1 - 40	40.1 - 42	42.1 - 44	44.1 - 46	46.1 - 48	48.1 - 50	50.1 - 52
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FIGURE 1.3
ALLUVIAL AQUIFER
3 - MONTGOMERY

PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY

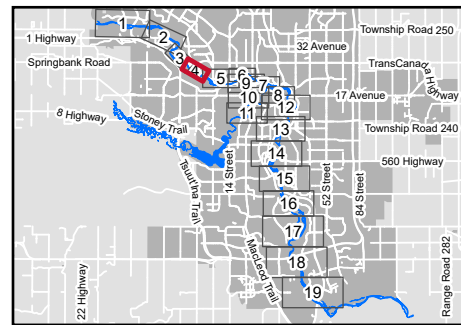
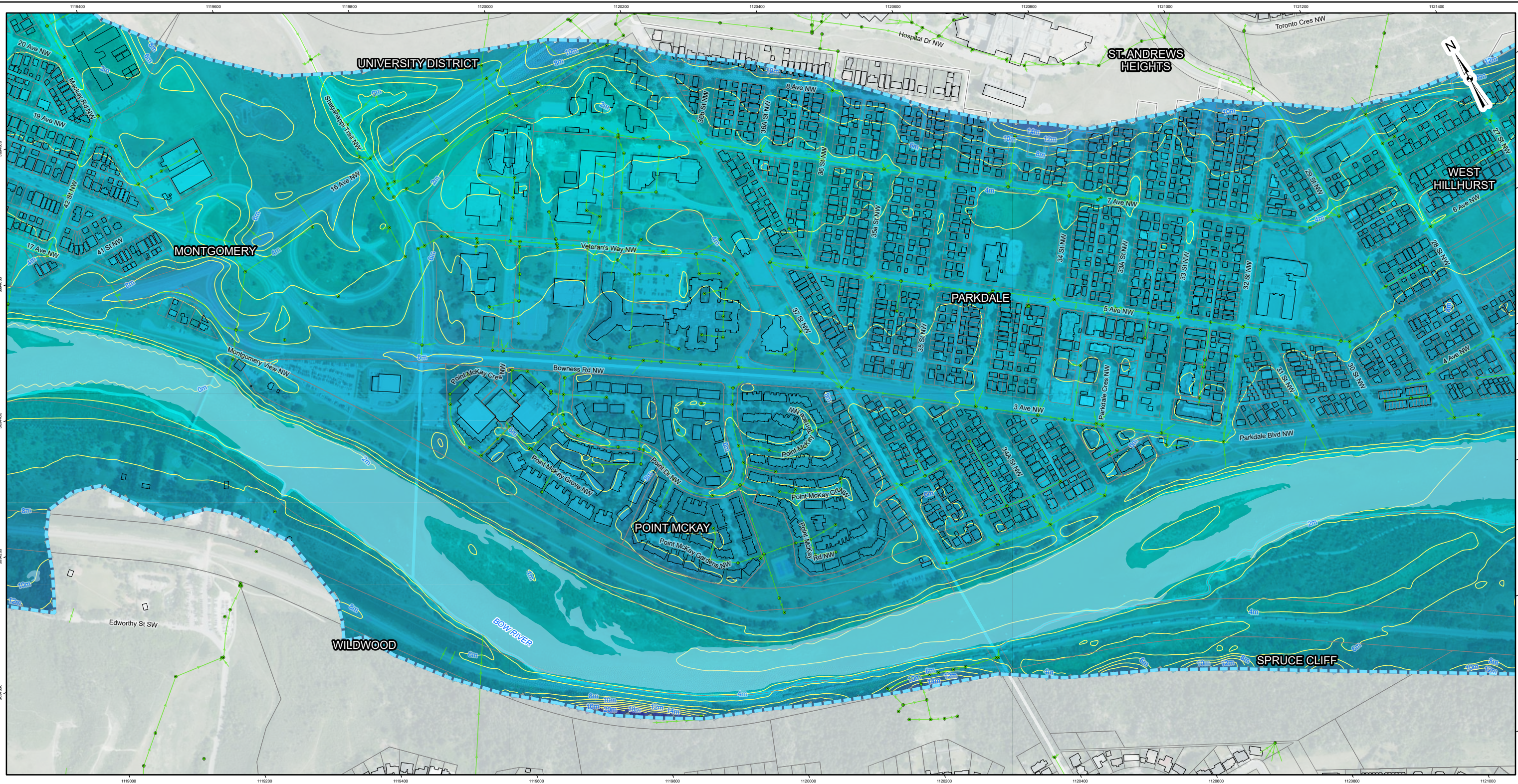
PROJECTION
NAD 1983 CSRS 3TM 114

0 40 80
Meters

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



Document: \\192.168.4.94\c\Shared\GIS\Projects\28582 - CoC River Valleys Groundwater Study\25 GIS\251 Figures\28582 - CoC River Valleys Groundwater Study Reporting.aprx - 01_03 Alluvial Aquifer



LEGEND

- Manhole
- Outfall
- Alluvial Aquifer Contours (2m)
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

Alluvial Aquifer Isopach (m)

0.1 - 2	2.1 - 4	4.1 - 6	6.1 - 8	8.1 - 10	10.1 - 12	12.1 - 14	14.1 - 16	16.1 - 18	18.1 - 20	20.1 - 22	22.1 - 24	24.1 - 26	26.1 - 28	28.1 - 30	30.1 - 32	32.1 - 34	34.1 - 36	36.1 - 38	38.1 - 40	40.1 - 42	42.1 - 44	44.1 - 46	46.1 - 48	48.1 - 50	50.1 - 52
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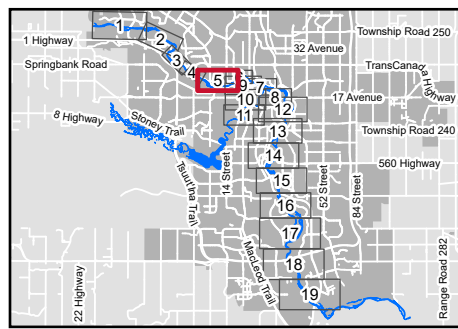
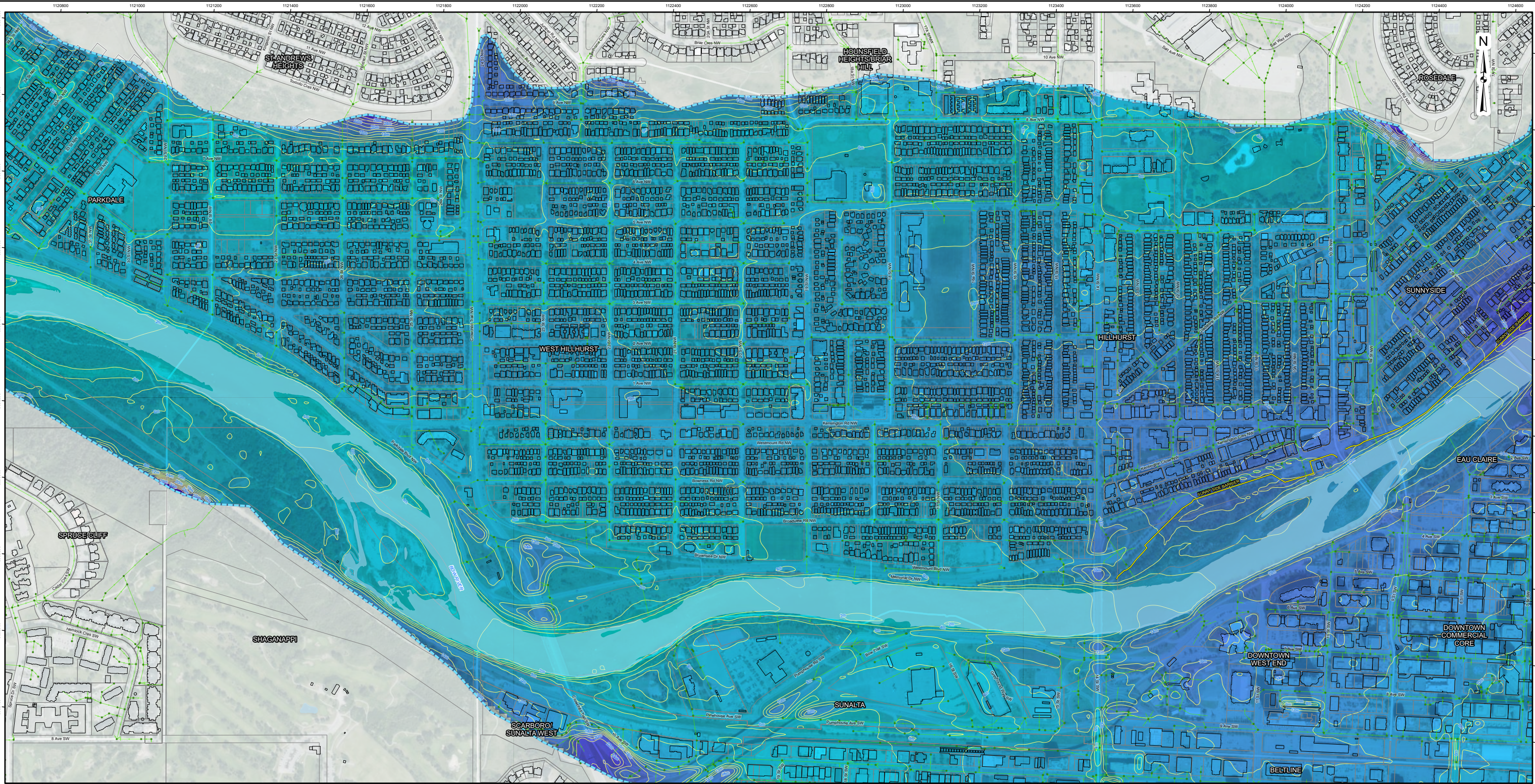
FIGURE 1.3
ALLUVIAL AQUIFER
4 - POINT MCKAY

PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION
NAD 1983 CSRS 3TM 114

SCALE 1:6,000 DATE 8/14/2026 AUTHOR TDaSilva





LEGEND

- Manhole
- Outfall
- Alluvial Aquifer Contours (2m)
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

Alluvial Aquifer Isopach (m)

0.1 - 2	2.1 - 4	4.1 - 6	6.1 - 8	8.1 - 10	10.1 - 12	12.1 - 14	14.1 - 16	16.1 - 18	18.1 - 20	20.1 - 22	22.1 - 24	24.1 - 26	26.1 - 28	28.1 - 30	30.1 - 32	32.1 - 34	34.1 - 36	36.1 - 38	38.1 - 40	40.1 - 42	42.1 - 44	44.1 - 46	46.1 - 48	48.1 - 50	50.1 - 52
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FIGURE 1.3
ALLUVIAL AQUIFER
5 - HILLHURST / WEST HILLHURST

PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION
NAD 1983 CSRS 3TM 114

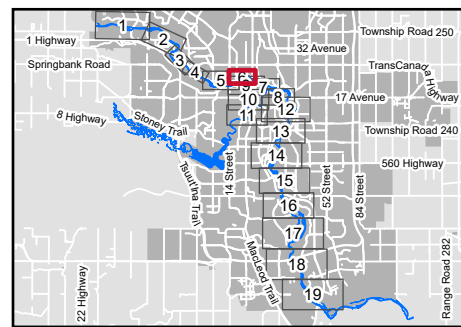
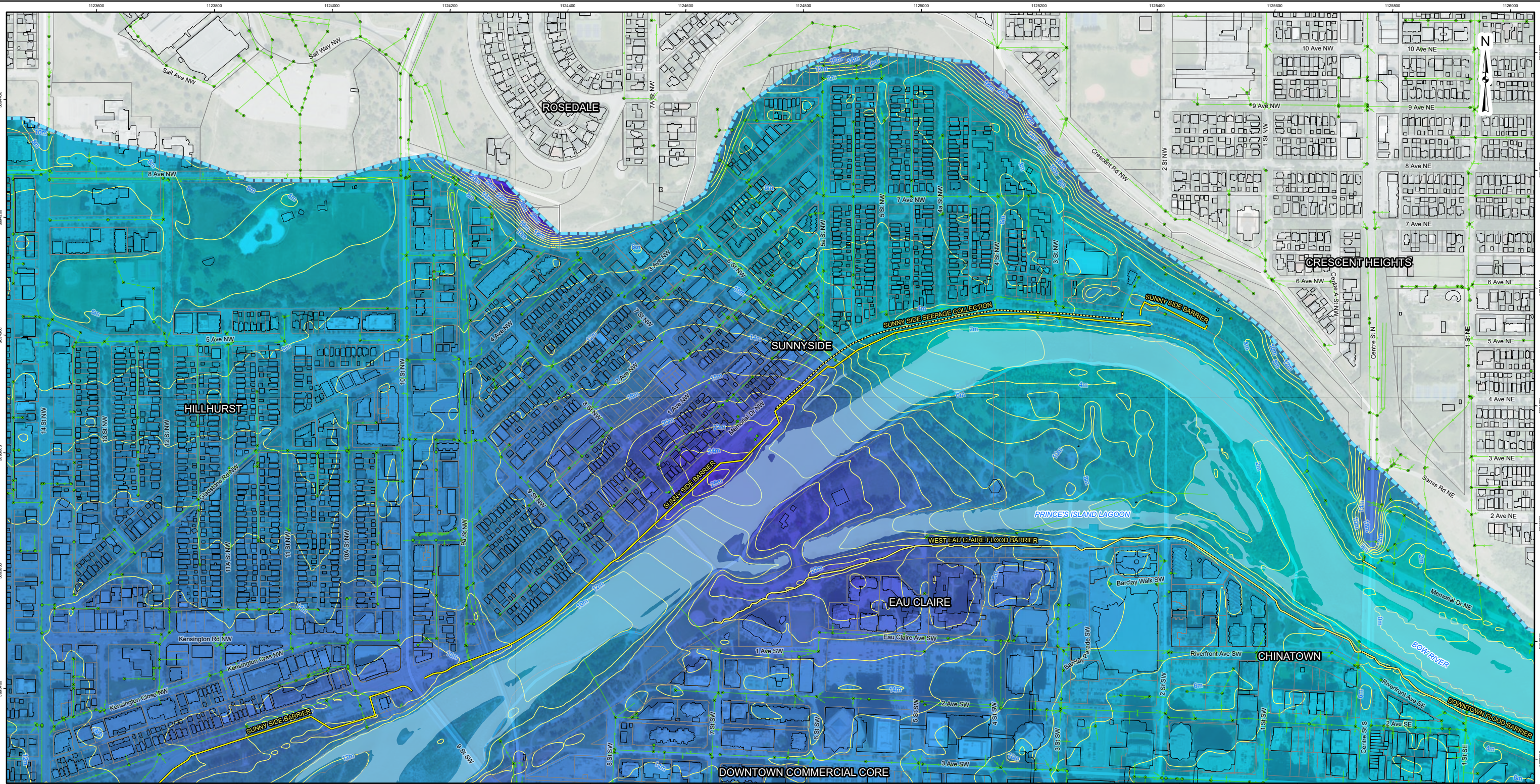
0 60 120
Meters

SCALE 1:10,000

DATE 8/14/2026

AUTHOR TDaSilva





LEGEND

- Manhole
- Outfall
- Alluvial Aquifer Contours (2m)
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

Alluvial Aquifer Isopach (m)

0.1 - 2	2.1 - 4	4.1 - 6	6.1 - 8	8.1 - 10	10.1 - 12	12.1 - 14	14.1 - 16	16.1 - 18	18.1 - 20	20.1 - 22	22.1 - 24	24.1 - 26	26.1 - 28	28.1 - 30	30.1 - 32	32.1 - 34	34.1 - 36	36.1 - 38	38.1 - 40	40.1 - 42	42.1 - 44	44.1 - 46	46.1 - 48	48.1 - 50	50.1 - 52
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FIGURE 1.3
ALLUVIAL AQUIFER
6 - SUNNYSIDE

PROJECT

CALGARY RIVER VALLEYS GROUNDWATER STUDY

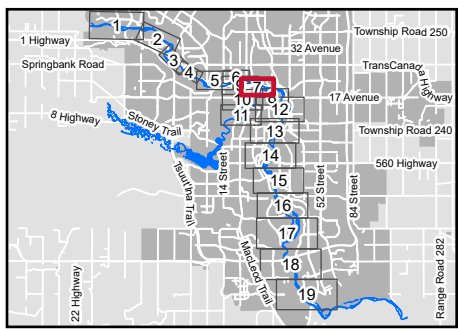
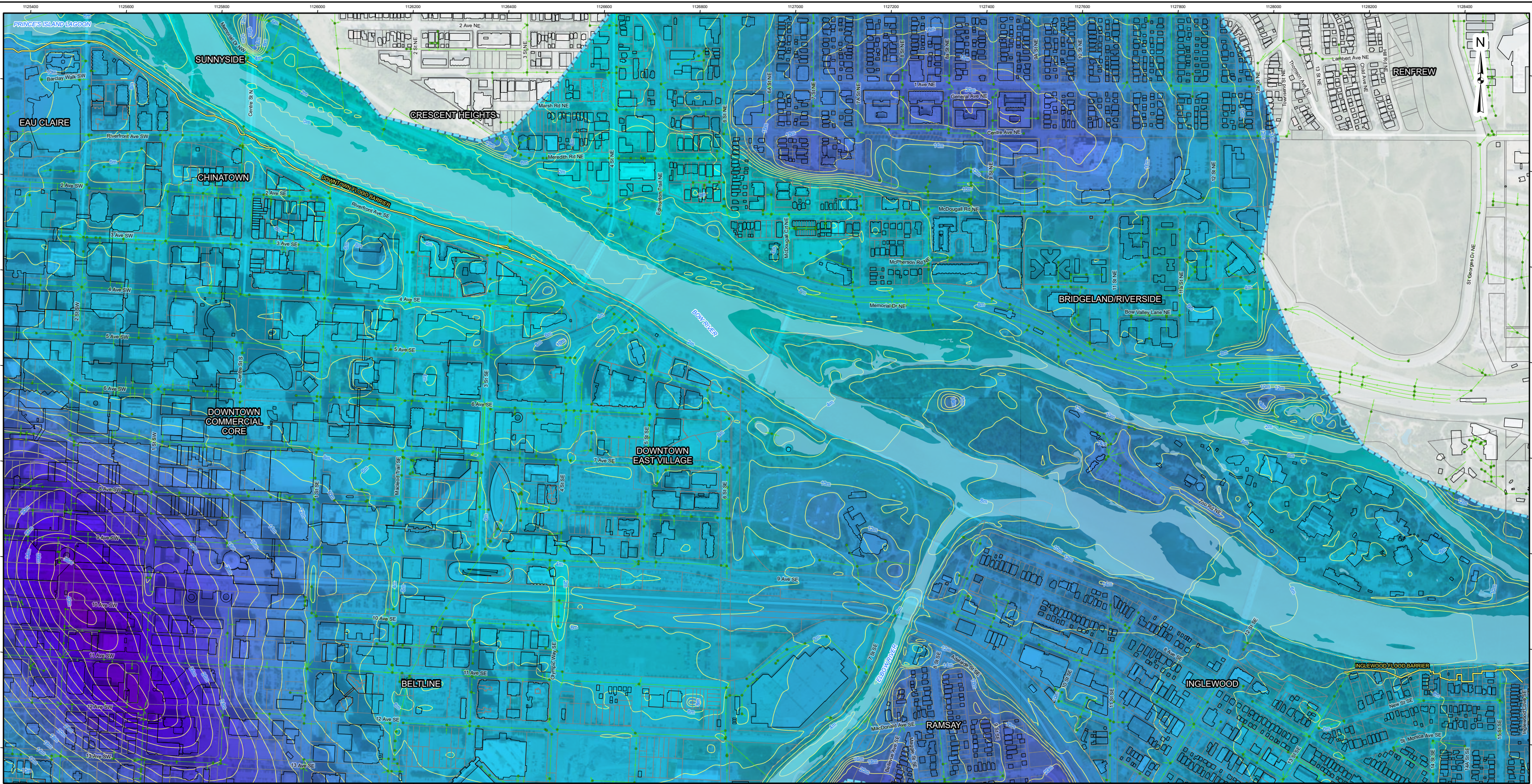
PROJECTION
NAD 1983 CSRS 3TM 114

0 30 60
Meters

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



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LEGEND

- Manhole
- Outfall
- Alluvial Aquifer Contours (2m)
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

Alluvial Aquifer Isopach (m)

0.1 - 2	2.1 - 4	4.1 - 6	6.1 - 8	8.1 - 10	10.1 - 12	12.1 - 14	14.1 - 16	16.1 - 18	18.1 - 20	20.1 - 22	22.1 - 24	24.1 - 26	26.1 - 28	28.1 - 30	30.1 - 32	32.1 - 34	34.1 - 36	36.1 - 38	38.1 - 40	40.1 - 42	42.1 - 44	44.1 - 46	46.1 - 48	48.1 - 50	50.1 - 52
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FIGURE 1.3
ALLUVIAL AQUIFER
7 - EAST VILLAGE / BRIDGELAND

PROJECT

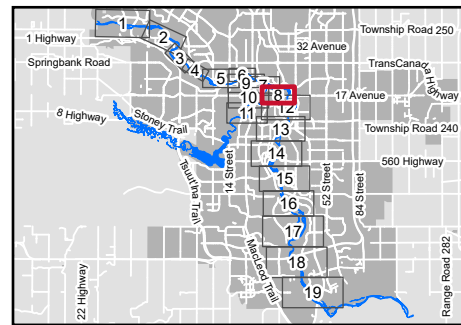
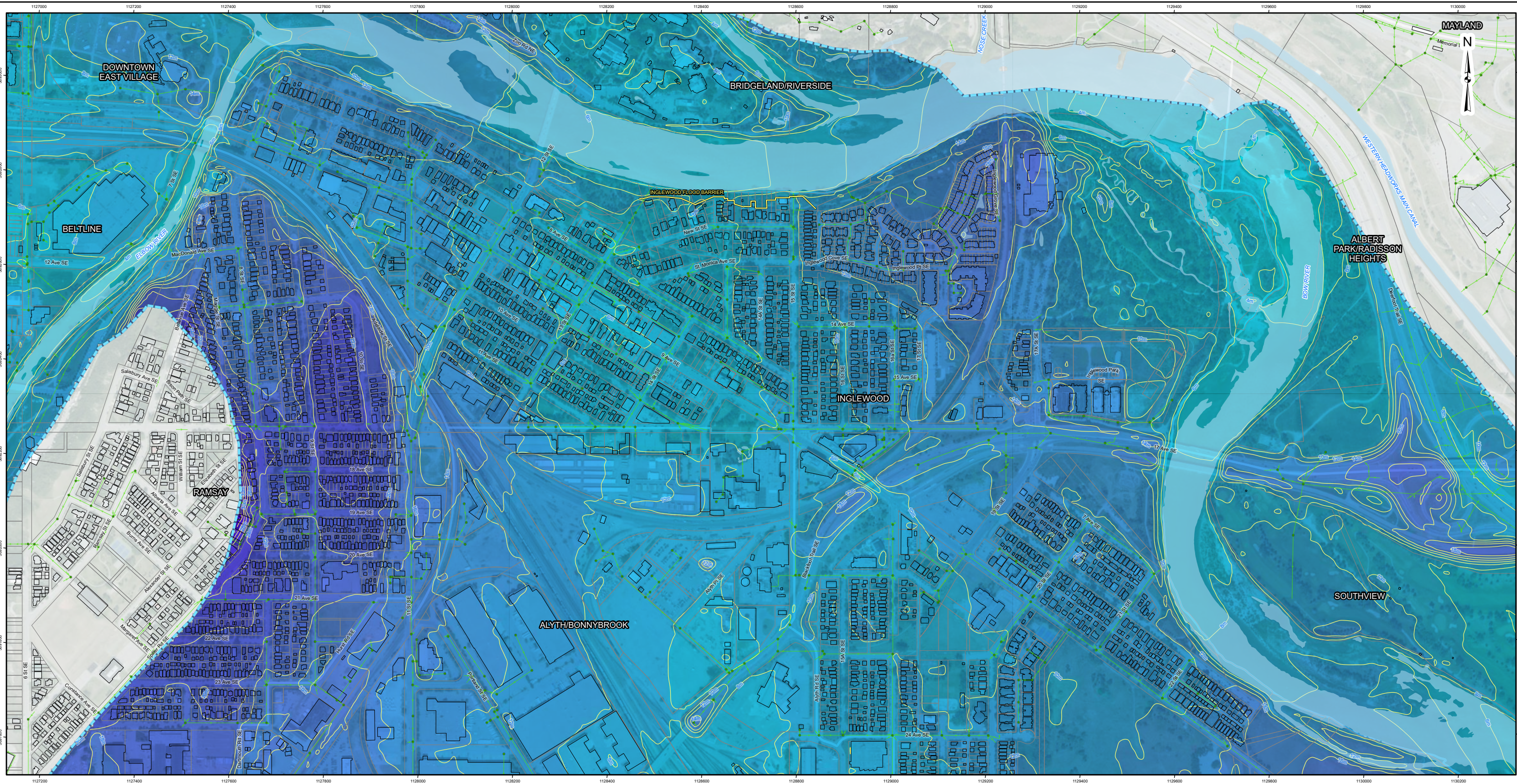
CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION

NAD 1983 CSRS 3TM 114

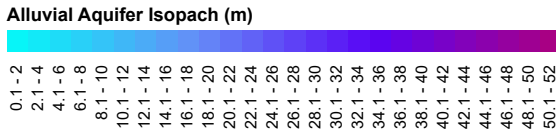
SCALE 1:8,000 **DATE** 8/14/2026 **AUTHOR** TDaSilva





LEGEND

- Manhole
- Outfall
- Alluvial Aquifer Contours (2m)
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District



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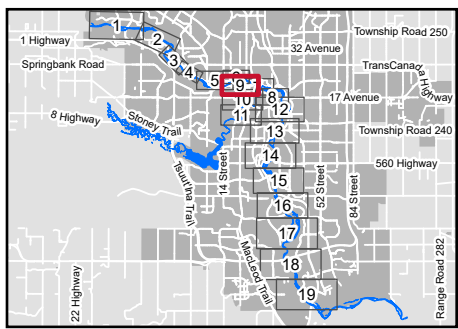
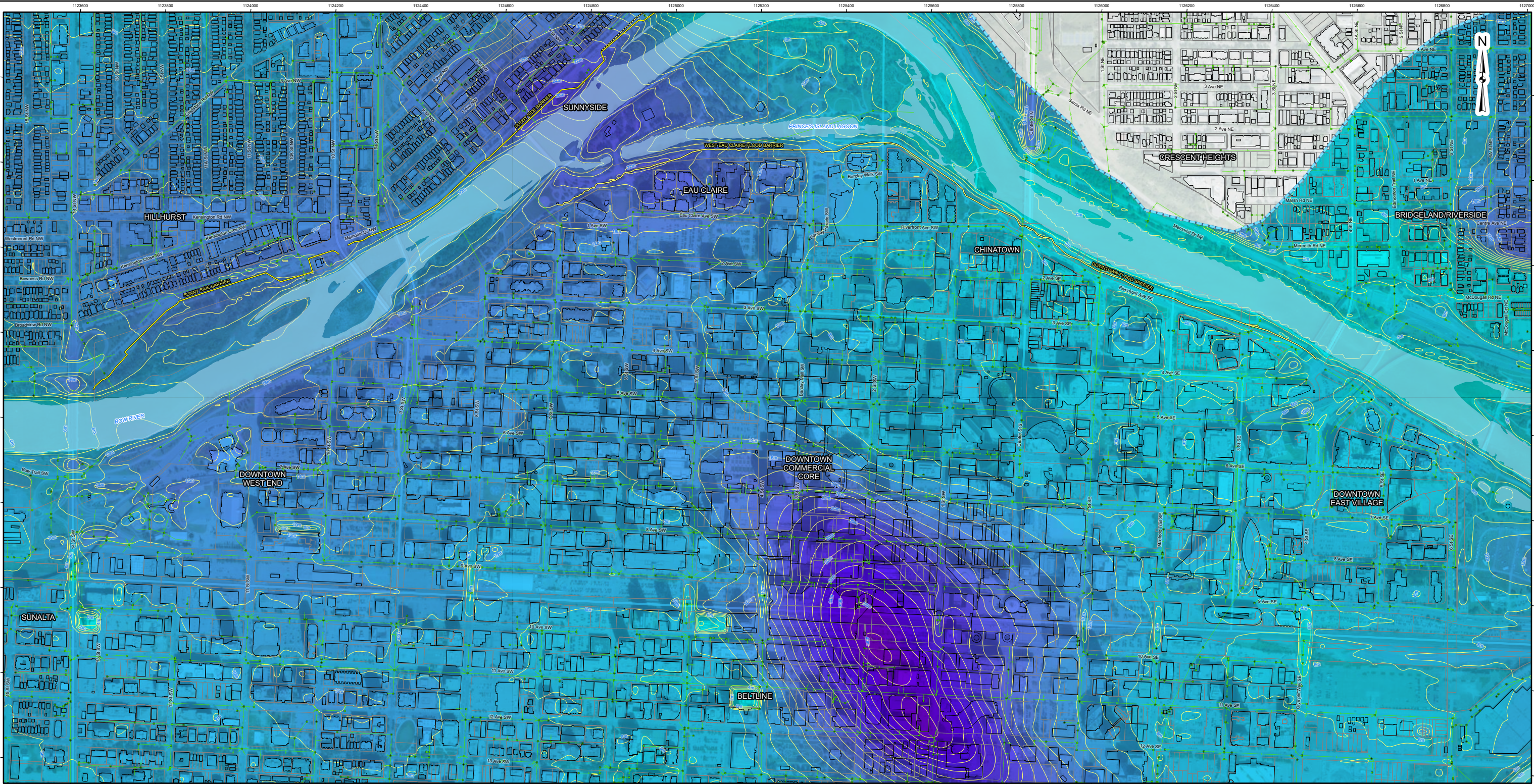
FIGURE 1.3
ALLUVIAL AQUIFER
8 - INGLEWOOD

PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION
NAD 1983 CSRS 3TM 114

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





LEGEND

- Manhole
- Outfall
- Alluvial Aquifer Contours (2m)
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

Alluvial Aquifer Isopach (m)

0.1 - 2	2.1 - 4	4.1 - 6	6.1 - 8	8.1 - 10	10.1 - 12	12.1 - 14	14.1 - 16	16.1 - 18	18.1 - 20	20.1 - 22	22.1 - 24	24.1 - 26	26.1 - 28	28.1 - 30	30.1 - 32	32.1 - 34	34.1 - 36	36.1 - 38	38.1 - 40	40.1 - 42	42.1 - 44	44.1 - 46	46.1 - 48	48.1 - 50	50.1 - 52
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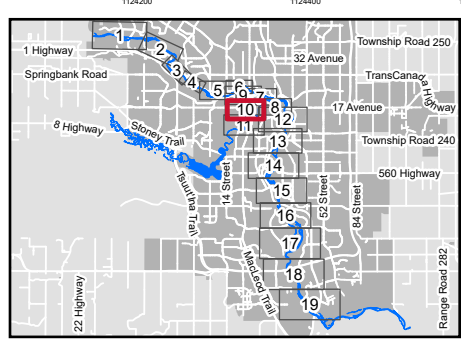
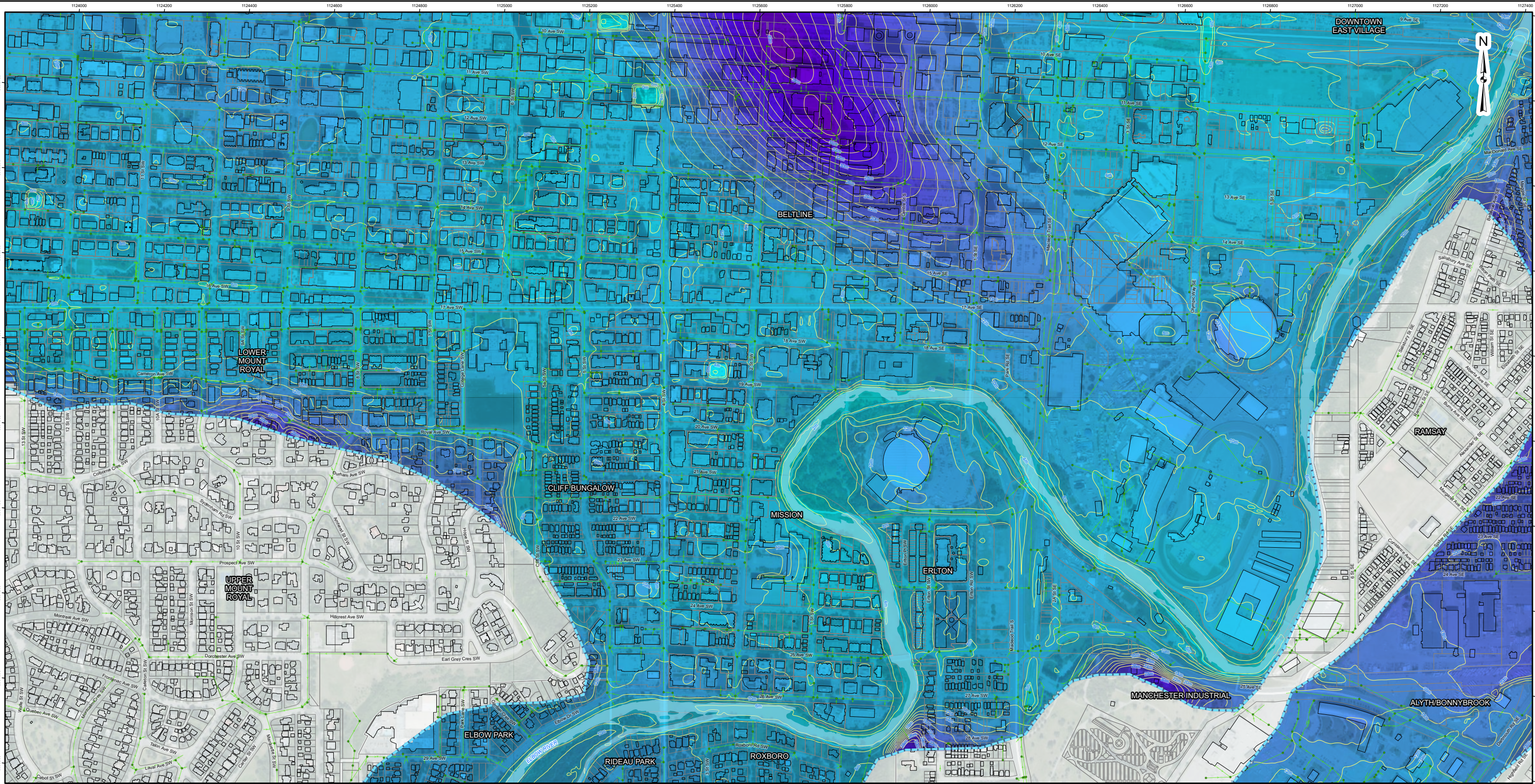
FIGURE 1.3
ALLUVIAL AQUIFER
9 - DOWNTOWN

PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION
NAD 1983 CSRS 3TM 114

SCALE 1:9,000 **DATE** 8/14/2026 **AUTHOR** TDaSilva





LEGEND

- Manhole
- Outfall
- Alluvial Aquifer Contours (2m)
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

Alluvial Aquifer Isopach (m)



NOTES

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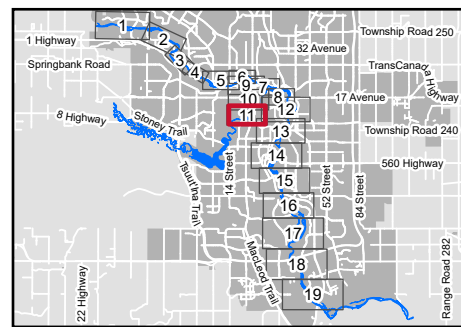
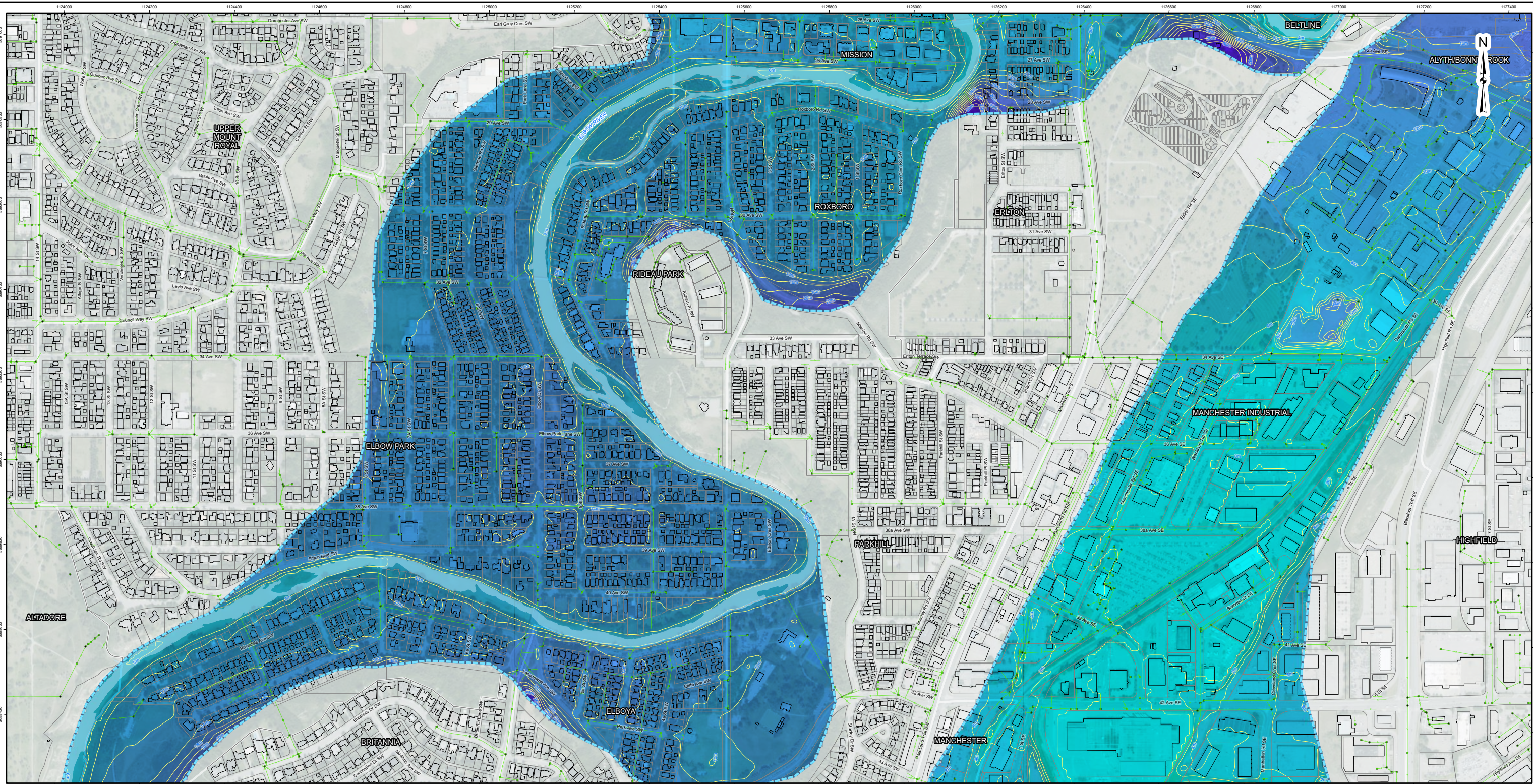
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FIGURE 1.3
ALLUVIAL AQUIFER
10 - BELTLINE

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

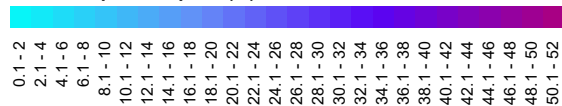




LEGEND

- Manhole
- Outfall
- Alluvial Aquifer Contours (2m)
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

Alluvial Aquifer Isopach (m)



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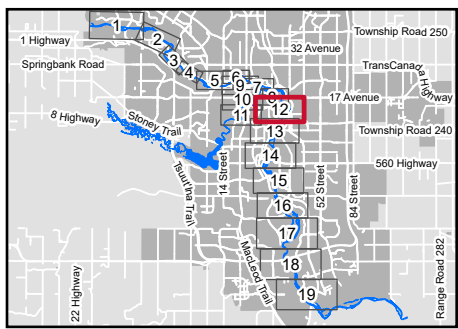
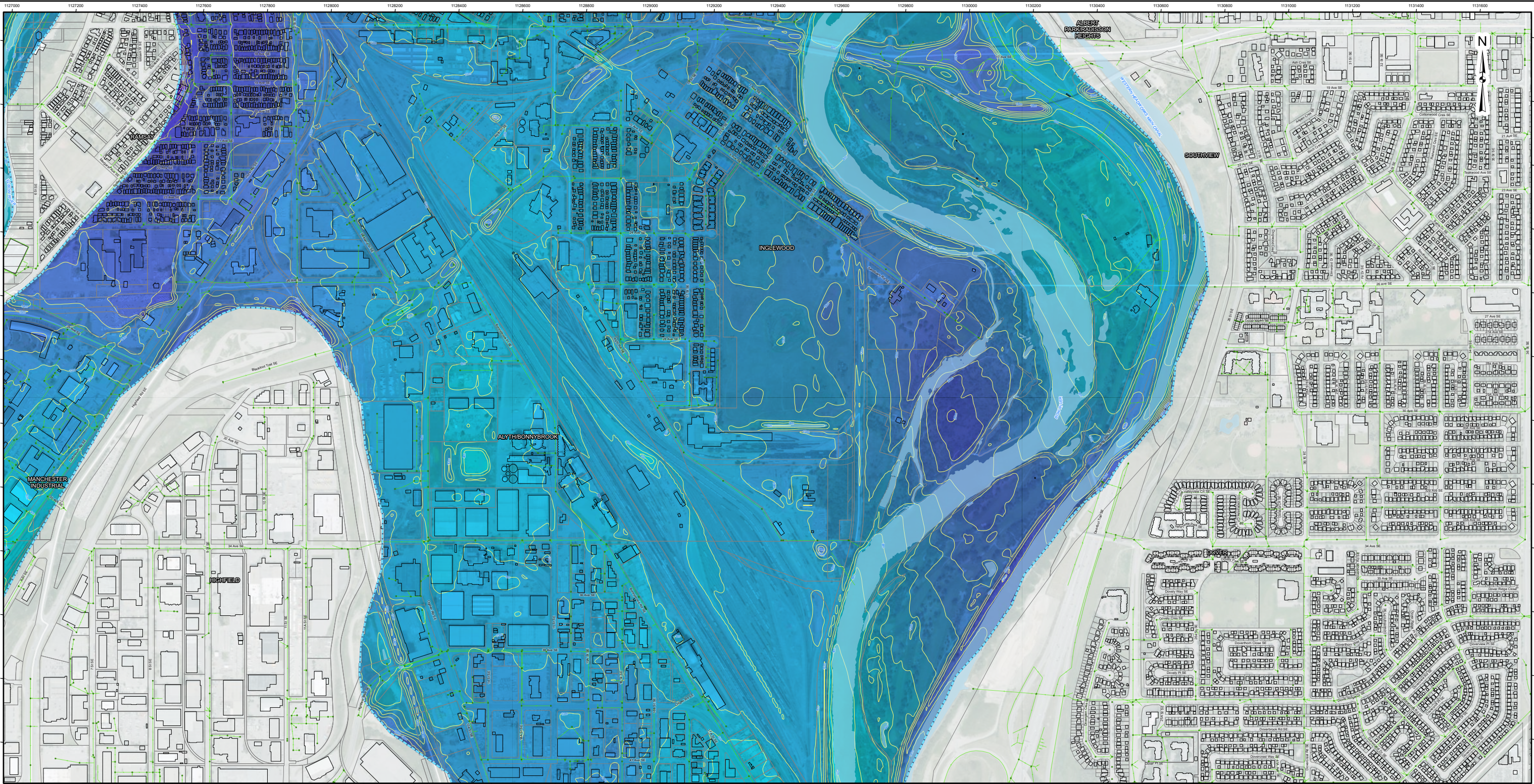
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FIGURE 1.3
ALLUVIAL AQUIFER
11 - LOWER ELBOW

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





LEGEND

- Manhole
- Outfall
- Alluvial Aquifer Contours (2m)
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection

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

Alluvial Aquifer Isopach (m)

0.1 - 2	2.1 - 4	4.1 - 6	6.1 - 8	8.1 - 10	10.1 - 12	12.1 - 14	14.1 - 16	16.1 - 18	18.1 - 20	20.1 - 22	22.1 - 24	24.1 - 26	26.1 - 28	28.1 - 30	30.1 - 32	32.1 - 34	34.1 - 36	36.1 - 38	38.1 - 40	40.1 - 42	42.1 - 44	44.1 - 46	46.1 - 48	48.1 - 50	50.1 - 52
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FIGURE 1.3
ALLUVIAL AQUIFER
12 - INGLEWOOD - BONNYBROOK

PROJECT

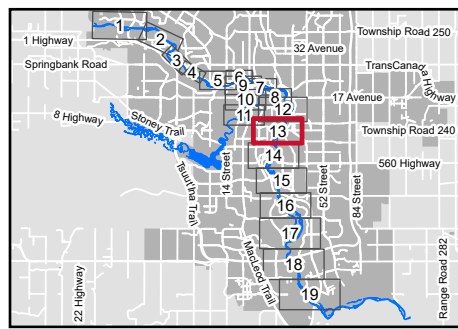
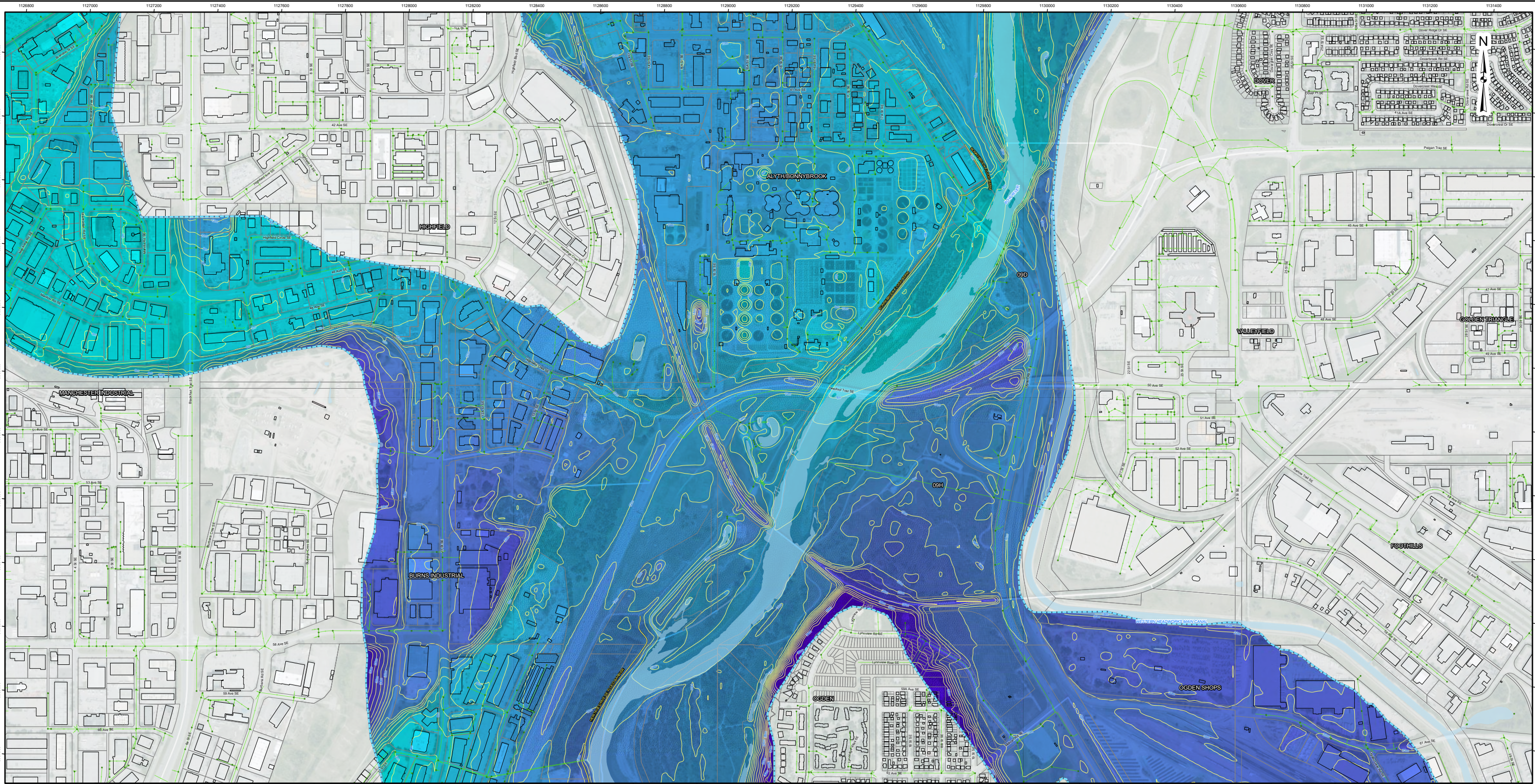
CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION

NAD 1983 CSRS 3TM 114

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





LEGEND

- Manhole
- Outfall
- Alluvial Aquifer Contours (2m)
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

Alluvial Aquifer Isopach (m)

0.1 - 2	2.1 - 4	4.1 - 6	6.1 - 8	8.1 - 10	10.1 - 12	12.1 - 14	14.1 - 16	16.1 - 18	18.1 - 20	20.1 - 22	22.1 - 24	24.1 - 26	26.1 - 28	28.1 - 30	30.1 - 32	32.1 - 34	34.1 - 36	36.1 - 38	38.1 - 40	40.1 - 42	42.1 - 44	44.1 - 46	46.1 - 48	48.1 - 50	50.1 - 52
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NOTES

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DATA SOURCES

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FIGURE 13
ALLUVIAL AQUIFER
13 - BONNYBROOK

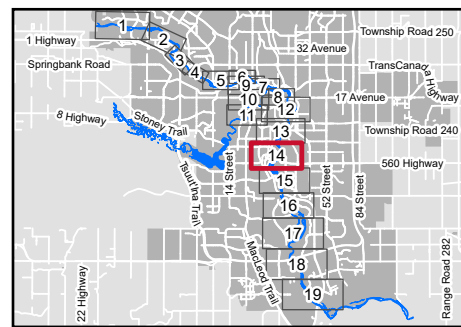
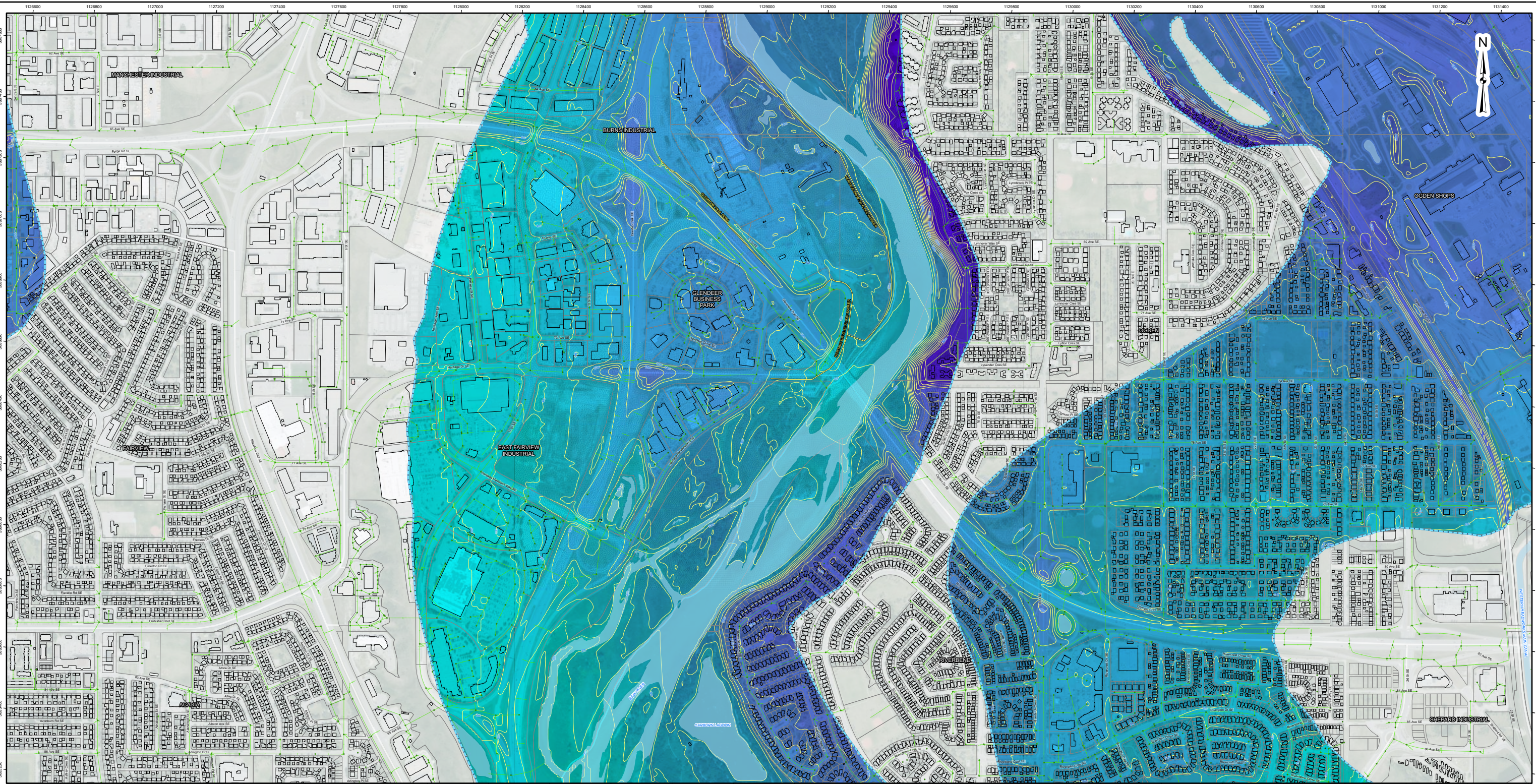
PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION
NAD 1983 CSRS 3TM 114

0 70 140
Meters

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





LEGEND

- Manhole
- Outfall
- Alluvial Aquifer Contours (2m)
- Storm Network
- Flood Control Structure
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- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

Alluvial Aquifer Isopach (m)

0.1 - 2	2.1 - 4	4.1 - 6	6.1 - 8	8.1 - 10	10.1 - 12	12.1 - 14	14.1 - 16	16.1 - 18	18.1 - 20	20.1 - 22	22.1 - 24	24.1 - 26	26.1 - 28	28.1 - 30	30.1 - 32	32.1 - 34	34.1 - 36	36.1 - 38	38.1 - 40	40.1 - 42	42.1 - 44	44.1 - 46	46.1 - 48	48.1 - 50	50.1 - 52
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FIGURE 1.3

ALLUVIAL AQUIFER 14 - DEERFOOT MEADOWS

PROJECT

CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION

NAD 1983 CSRS 3TM 114

0 75 150
Meters

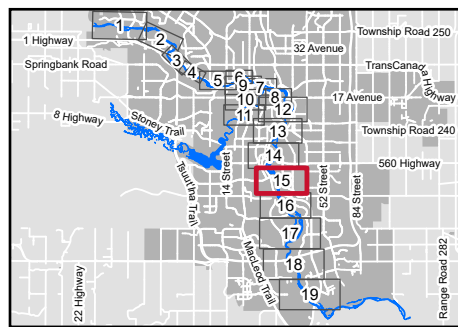
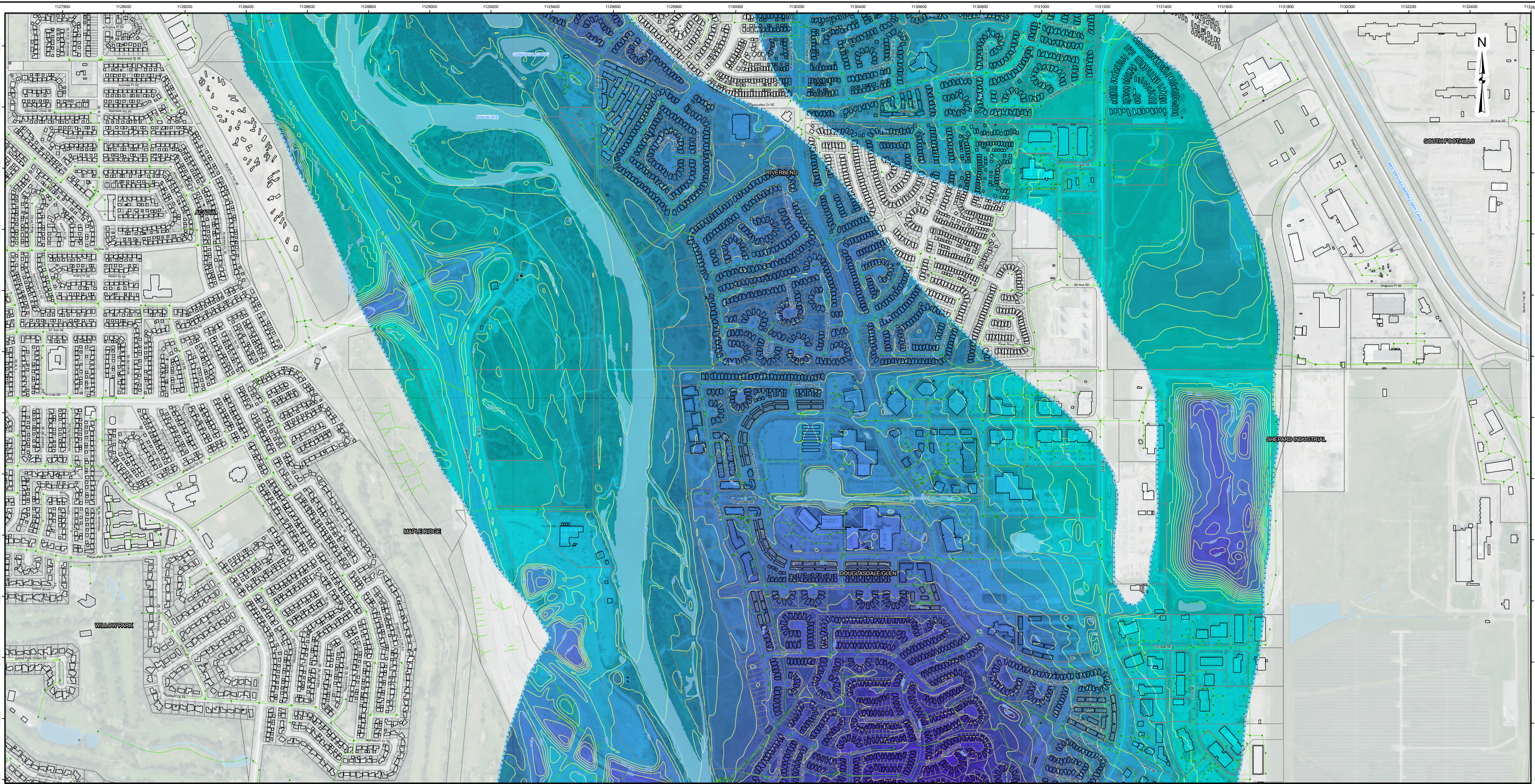
SCALE 1:12,500

DATE 8/14/2026

AUTHOR TDaSilva



Document: \\192.168.4.94\c\Shared\GIS\Projects\28592 CoC River Valleys Groundwater Study\28592 CoC River Valleys Groundwater Study Reporting.aprx - 01_03 Alluvial Aquifer



LEGEND

- Manhole
- Outfall
- Alluvial Aquifer Contours (2m)
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection
- Waterbody
- Alluvial Aquifer / Model Domain
- Building Footprint
- Parcel for Map
- Community District

Alluvial Aquifer Isopach (m)

0.1 - 2	2.1 - 4	4.1 - 6	6.1 - 8	8.1 - 10	10.1 - 12	12.1 - 14	14.1 - 16	16.1 - 18	18.1 - 20	20.1 - 22	22.1 - 24	24.1 - 26	26.1 - 28	28.1 - 30	30.1 - 32	32.1 - 34	34.1 - 36	36.1 - 38	38.1 - 40	40.1 - 42	42.1 - 44	44.1 - 46	46.1 - 48	48.1 - 50	50.1 - 52
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DATA SOURCES

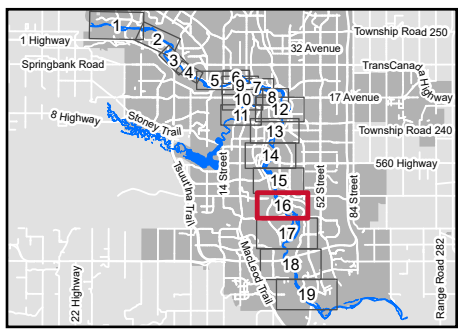
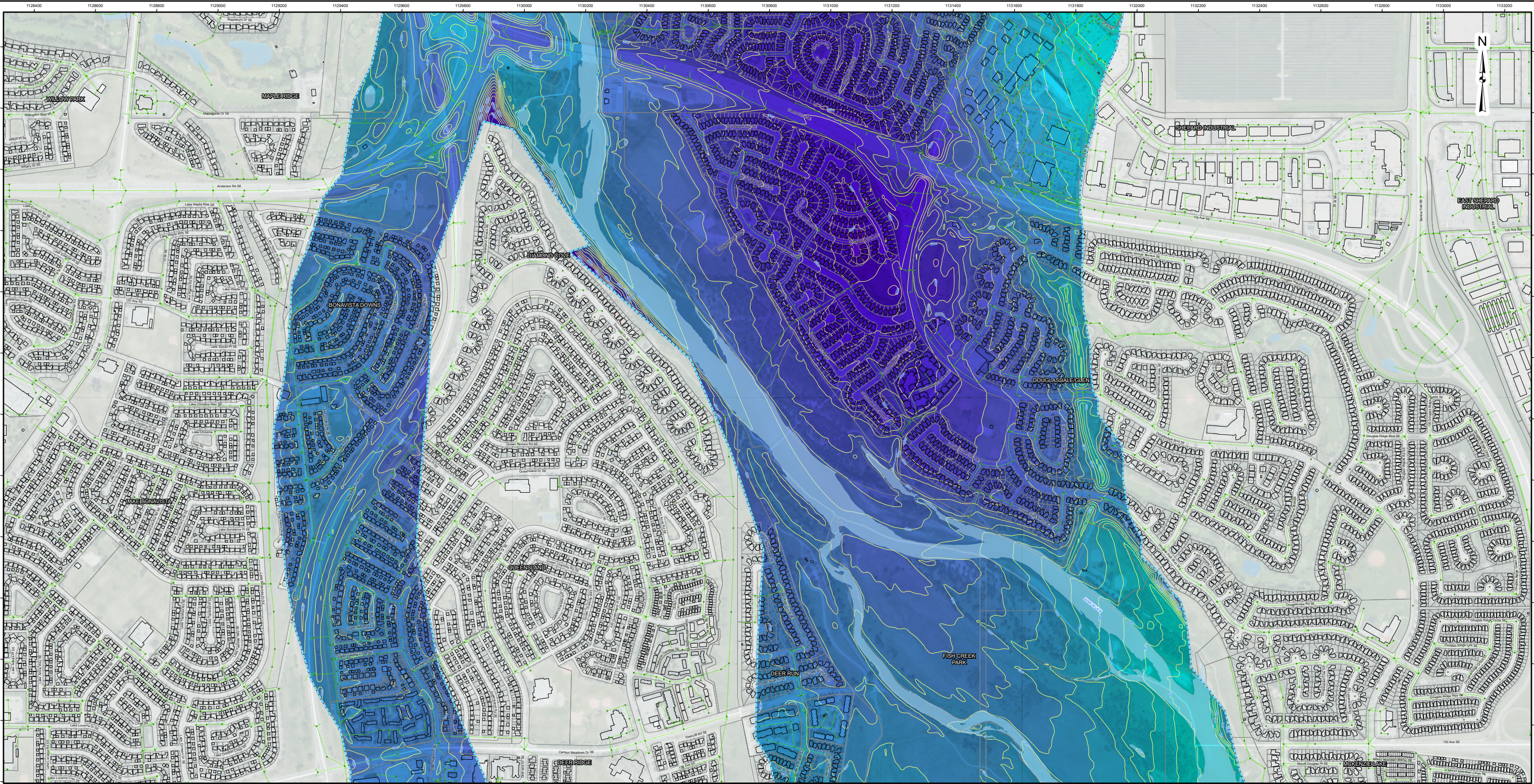
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FIGURE 1.3
ALLUVIAL AQUIFER
15 - RIVERBEND / QUARRY PARK

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



Document: \\192.168.4.94\c\Shared\GIS\Projects\28592 CoC River Valleys Groundwater Study Reporting\28592 CoC River Valleys Groundwater Study Reporting.aprx - 01_03 Alluvial Aquifer



LEGEND

- Manhole
- Outfall
- Alluvial Aquifer Contours (2m)
- Storm Network
- Flood Control Structure
- Sunnyside Seepage Collection

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

Alluvial Aquifer Isopach (m)

0.1 - 2	2.1 - 4	4.1 - 6	6.1 - 8	8.1 - 10	10.1 - 12	12.1 - 14	14.1 - 16	16.1 - 18	18.1 - 20	20.1 - 22	22.1 - 24	24.1 - 26	26.1 - 28	28.1 - 30	30.1 - 32	32.1 - 34	34.1 - 36	36.1 - 38	38.1 - 40	40.1 - 42	42.1 - 44	44.1 - 46	46.1 - 48	48.1 - 50	50.1 - 52
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FIGURE 1.3
ALLUVIAL AQUIFER
16 - DOUGLASDALE

PROJECT

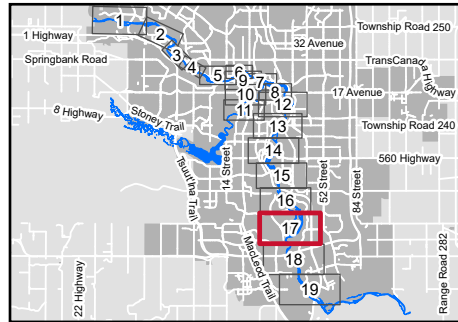
CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION
NAD 1983 CSRS 3TM 114

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

0 75 150
Meters

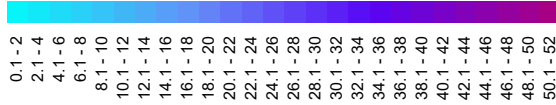
Document: \\192.168.4.94\c\Shared\GIS\Projects\28582 CoC River Valleys Groundwater Study\25 GIS\251 Figures\28582 CoC River Valleys Groundwater Study Reporting.aprx - 01_03 Alluvial Aquifer



LEGEND

- Manhole
- Outfall
- Alluvial Aquifer Contours (2m)
- Storm Network
- Flood Control Structure
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- Community District

Alluvial Aquifer Isopach (m)



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DATA SOURCES

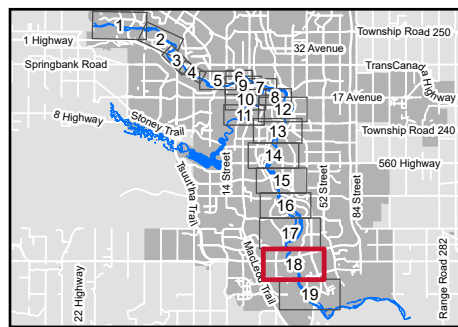
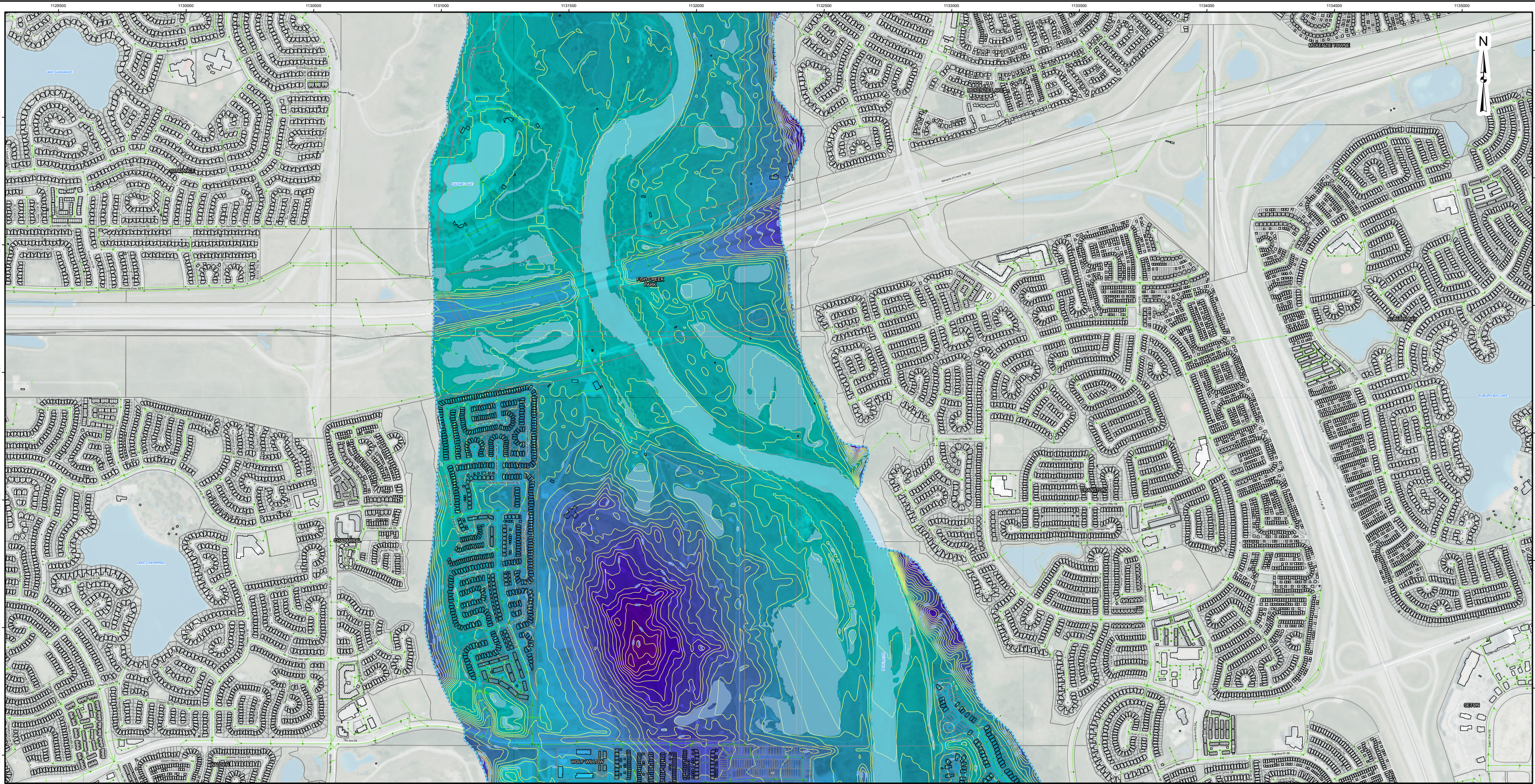
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FIGURE 1.3
ALLUVIAL AQUIFER
17 - FISH CREEK

PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY
PROJECTION
NAD 1983 CSRS 3TM 114
SCALE 1:15,000
DATE 8/14/2026
AUTHOR TDaSilva



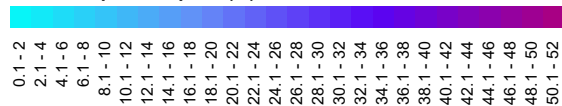
Document: \\192.168.4.94\c\Shared\GIS\Projects\28582 CoC River Valleys Groundwater Study\25 GIS\251 Figures\28582 CoC River Valleys Groundwater Study Reporting.aprx - 01_03 Alluvial Aquifer



LEGEND

- Manhole
- Outfall
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- Storm Network
- Flood Control Structure
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- Waterbody
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- Parcel for Map
- Community District

Alluvial Aquifer Isopach (m)



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FIGURE 1.3
ALLUVIAL AQUIFER
18 - SOUTH STONEY TRAIL

PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY

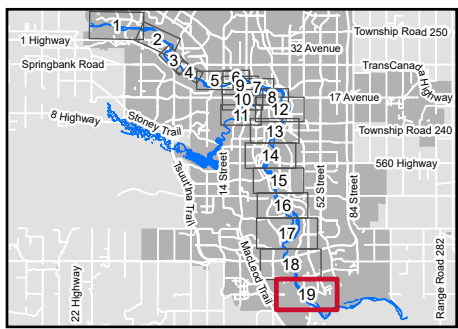
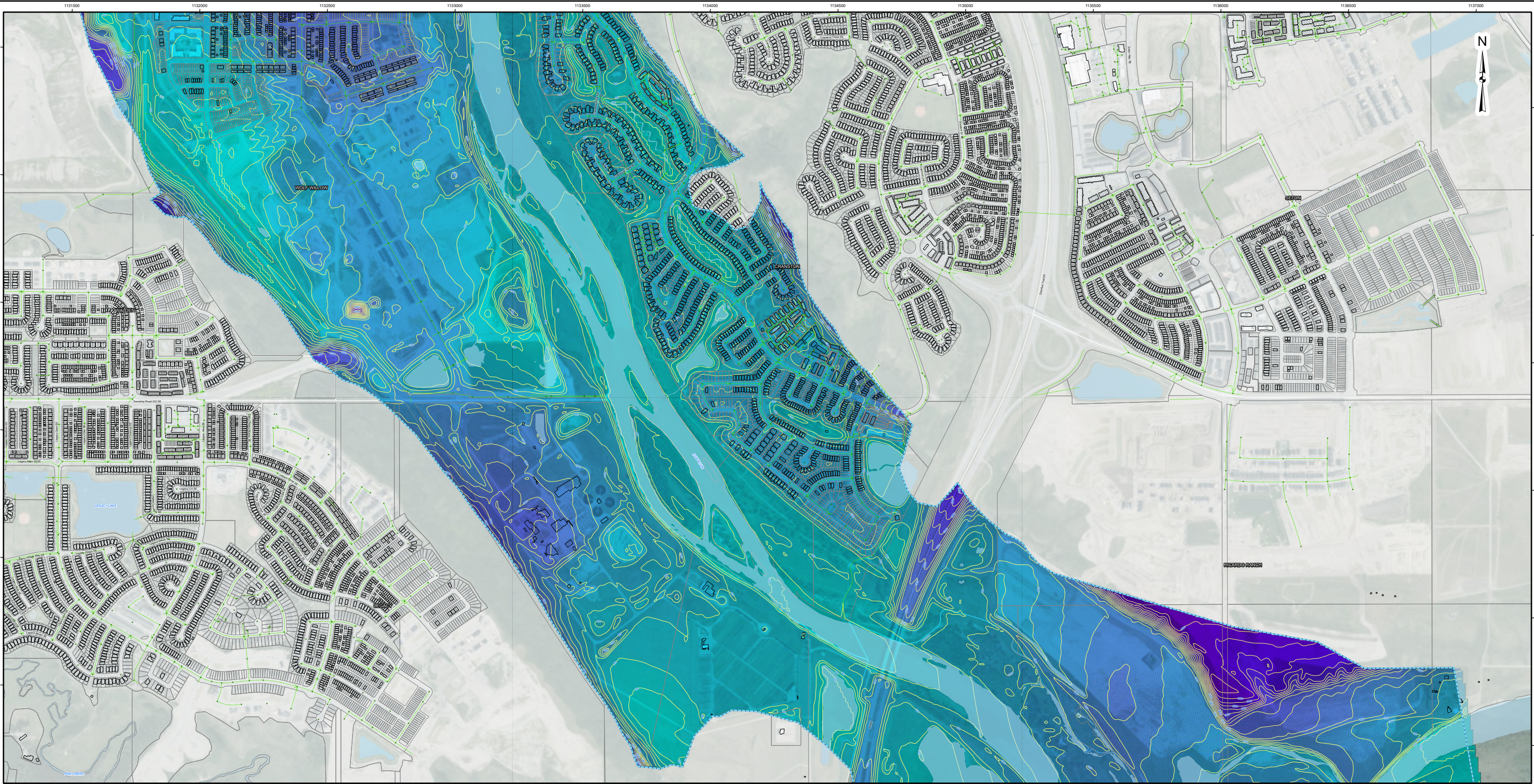
PROJECTION
NAD 1983 CSRS 3TM 114

0 90 180
Meters

SCALE 1:15,000 DATE 8/14/2026 AUTHOR TDaSilva

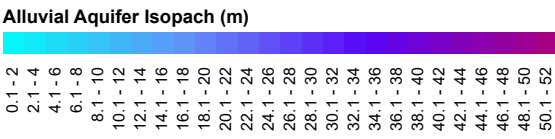


Document: \\192.168.4.94\c\Shared\GIS\Projects\28582 CoC River Valleys Groundwater Study\25 GIS\251 Figures\28582 CoC River Valleys Groundwater Study Reporting.aprx - 01_03 Alluvial Aquifer



LEGEND

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FIGURE 1.3
ALLUVIAL AQUIFER
19 - PINE CREEK / CRANSTON

PROJECT
CALGARY RIVER VALLEYS GROUNDWATER STUDY

PROJECTION
NAD 1983 CSRS 3TM 114

SCALE 1:15,000 DATE 8/14/2026 AUTHOR TDaSilva

0 90 180 Meters

