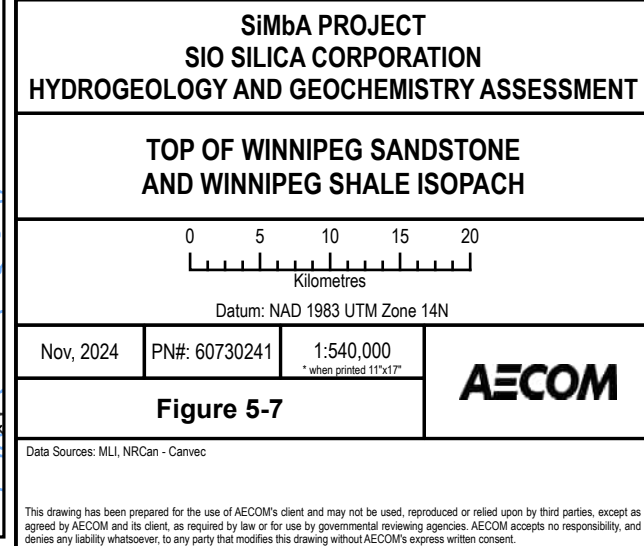
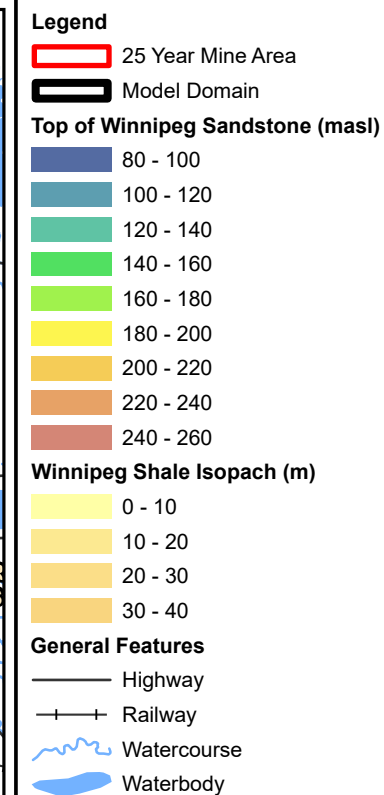
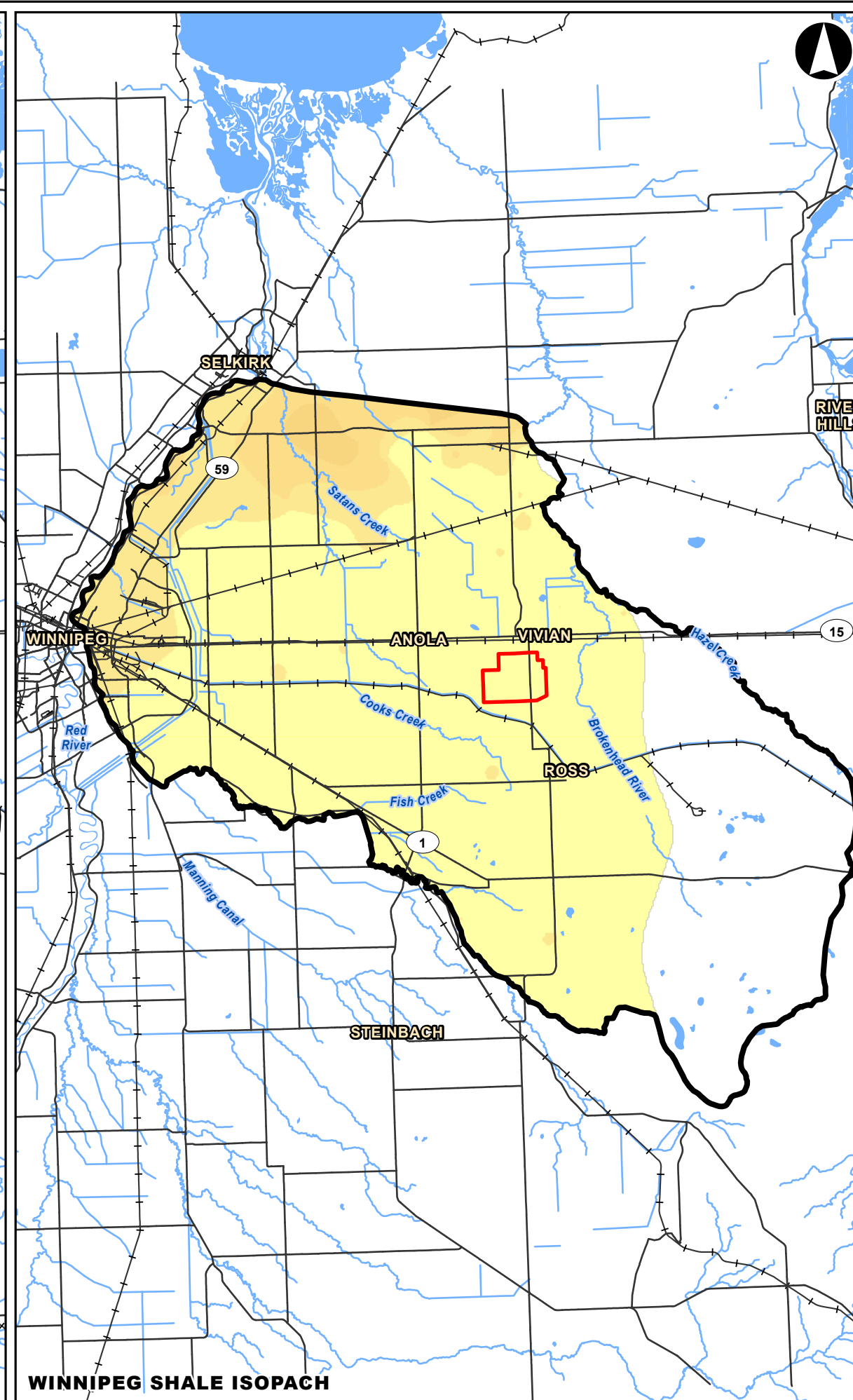
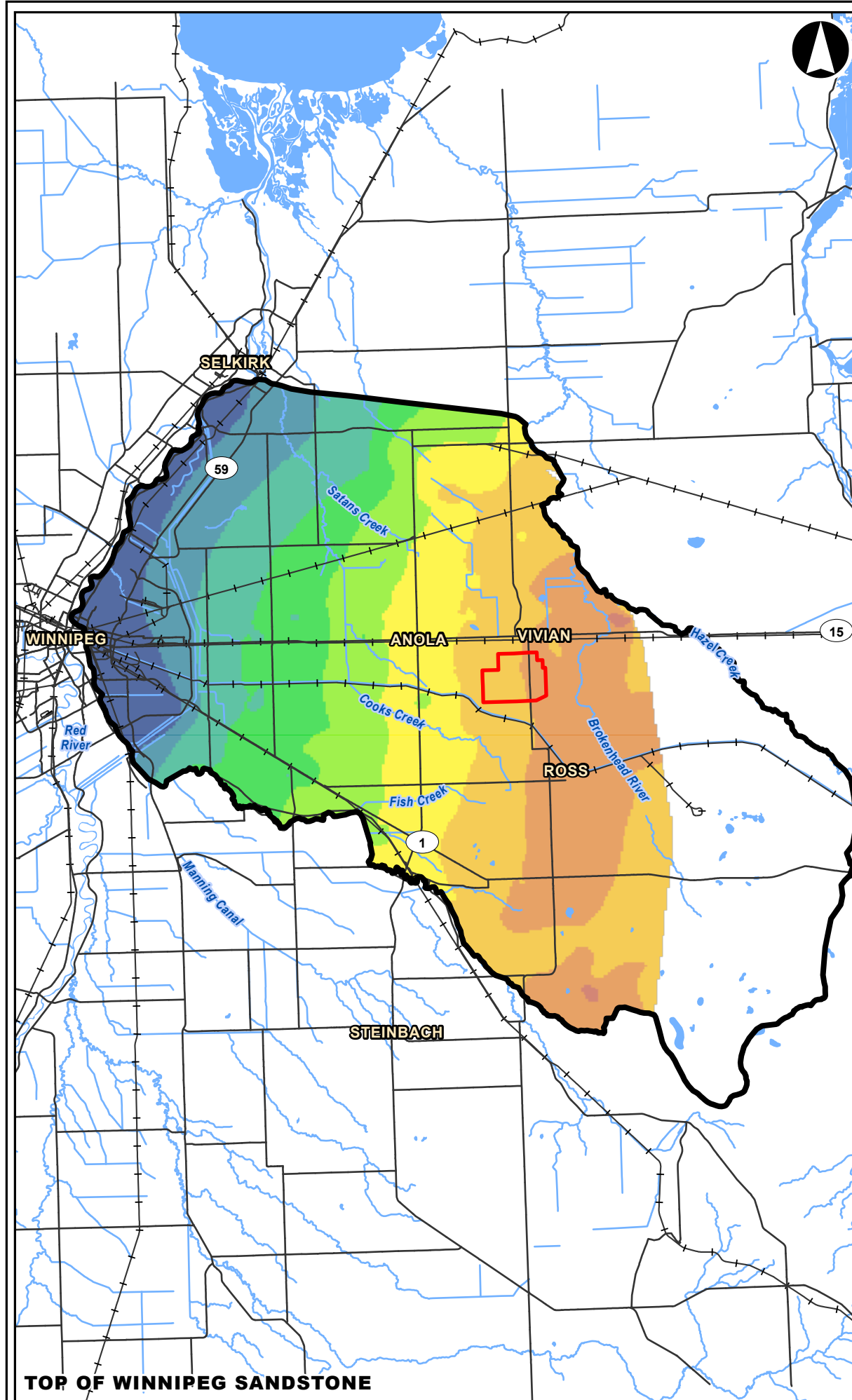
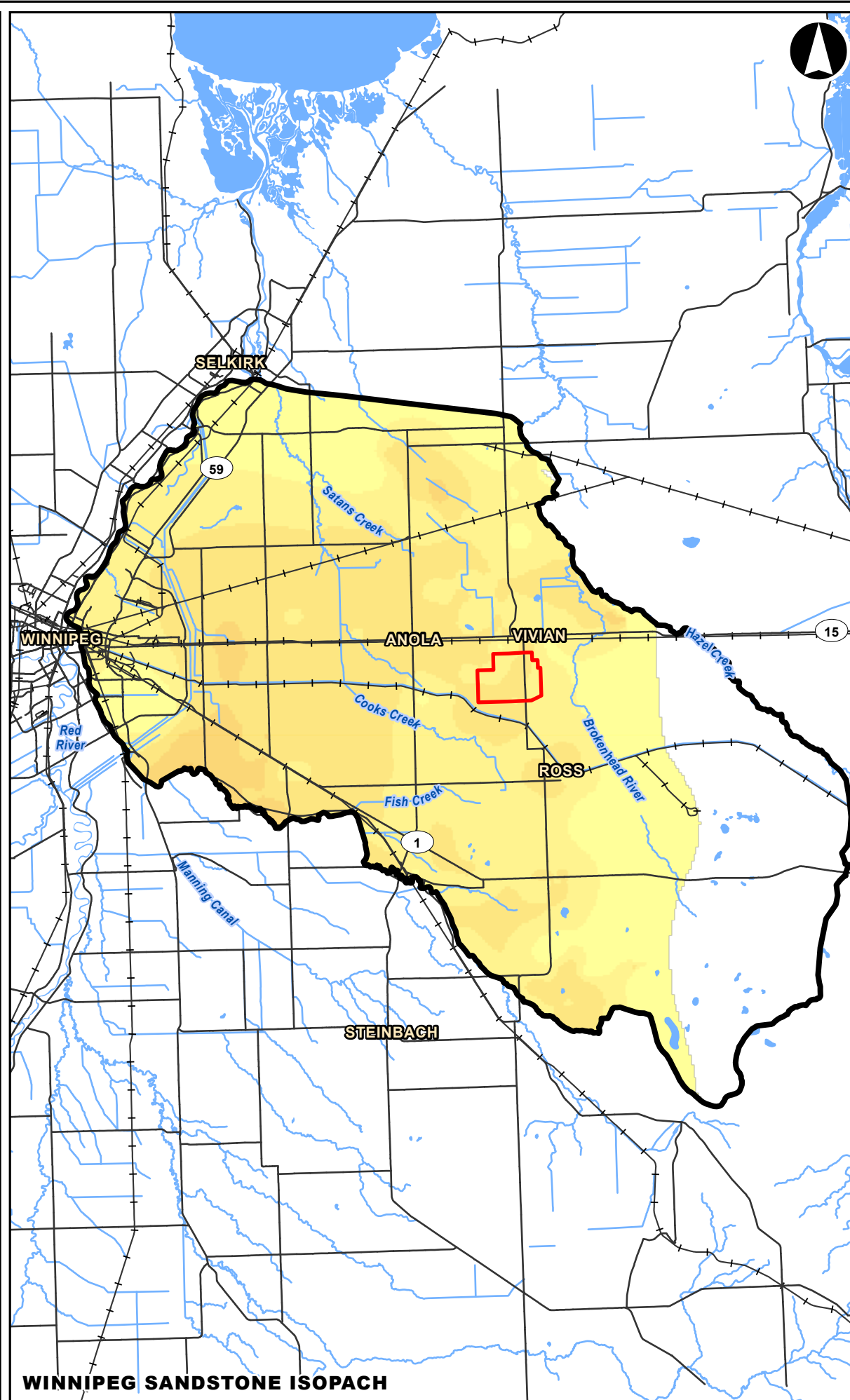
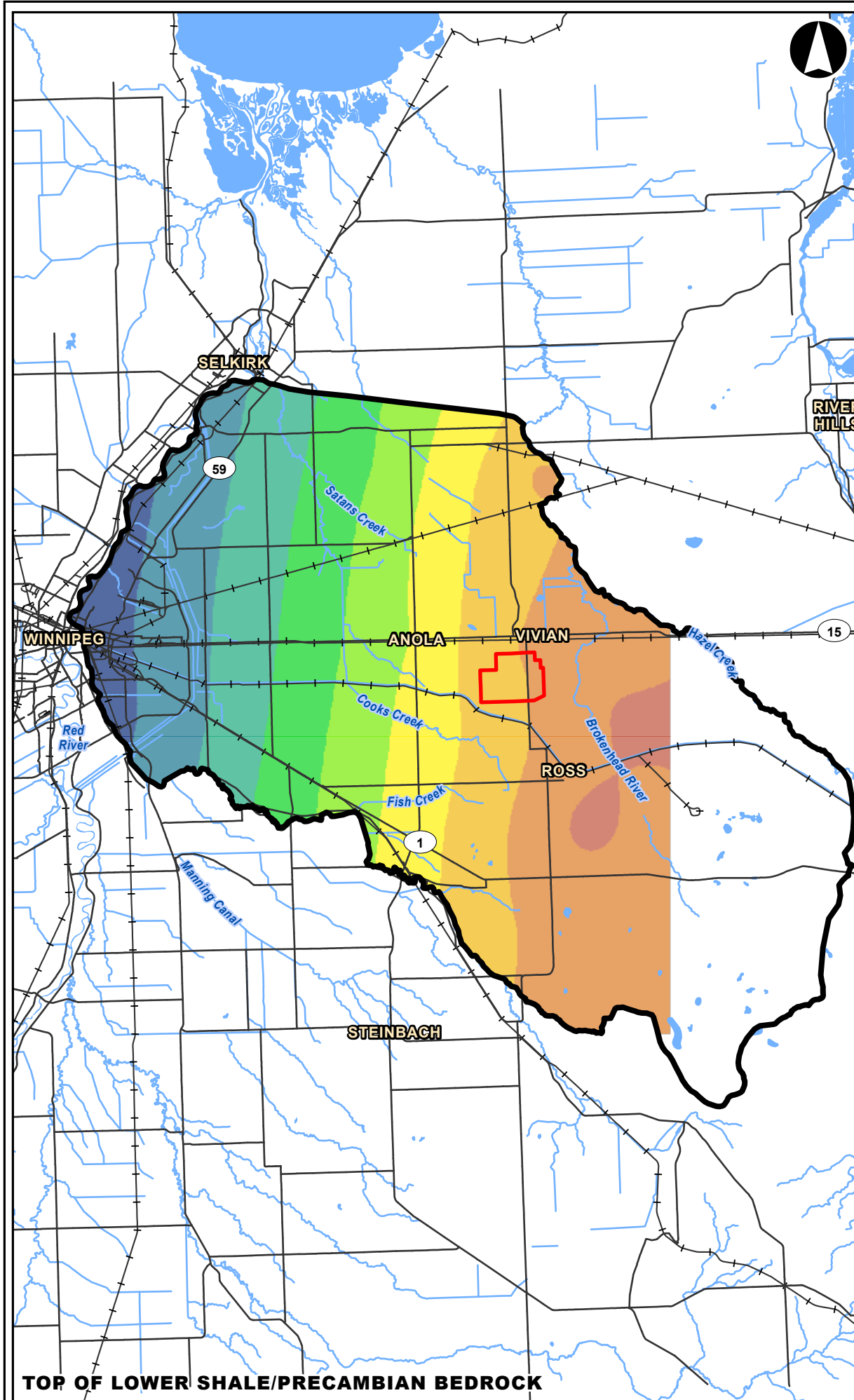






Legend

- Model Domain
- 25 Year Mine Area

Top of Lower Shale / Precambrian Bedrock (masl)

- 60 - 80
- 80 - 100
- 100 - 120
- 120 - 140
- 140 - 160
- 160 - 180
- 180 - 200
- 200 - 220
- 220 - 240

Winnipeg Sandstone Isopach (m)

- 0 - 10
- 10 - 20
- 20 - 30
- 30 - 40
- 40 - 50

General Features

- Highway
- Railway
- Watercourse
- Waterbody

**SIMBA PROJECT
SIO SILICA CORPORATION
HYDROGEOLOGY AND GEOCHEMISTRY ASSESSMENT**

**TOP OF LOWER SHALE/PRECAMBRIAN BEDROCK
AND WINNIPEG SANDSTONE ISOPACH**

0 5 10 15 20
Kilometres

Datum: NAD 1983 UTM Zone 14N

Nov, 2024	PN#: 60730241	1:540,000 * when printed 11"x17"
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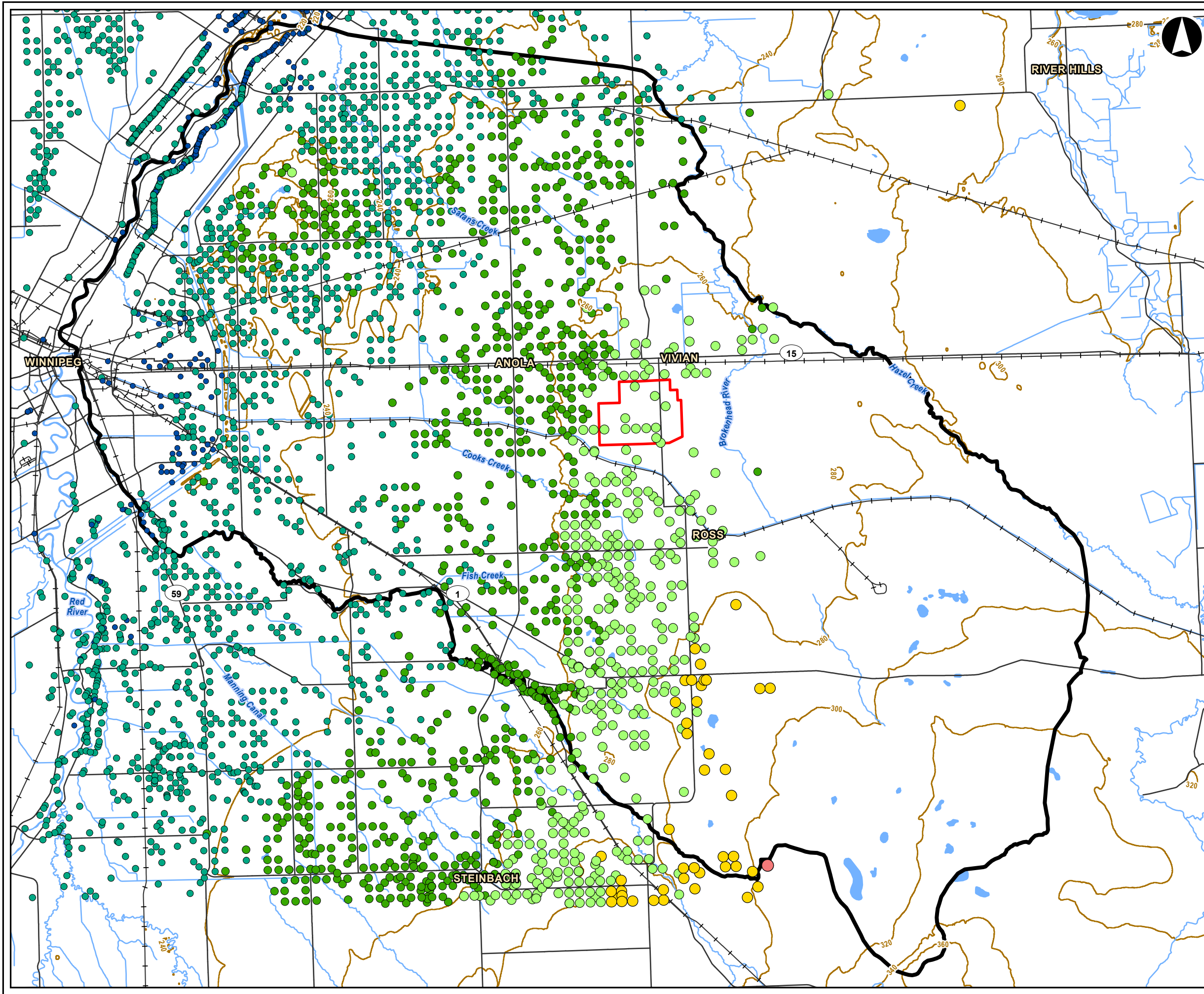
Figure 5-8

AECOM

Data Sources: MLI, NRCan - Canvec

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\\AECOM\LOCATION\PROJECTS\SIOSILICA\SIOSILICA\HYDROGEOLOGY\REPORTS\HYDROGEOLOGY\FIGURE 5-8\FIGURE 5-8_HYDROGEOLOGY_PRECAMBRIAN
DATE SAVED: 2024-11-21 USERNAME: PAGE CROSSMAN



Legend

- 25 Year Mine Area
- Model Domain

Red River Carbonate Groudwater Elevation (masl)

- < 220
- 220 - 240
- 240 - 260
- 260 - 280
- 280 - 300
- > 300

General Features

- Highway
- Railway
- Topographic Contour (20 m)
- Watercourse
- Waterbody

Figure 5-10

SIMBA PROJECT
SIO SILICA CORPORATION
HYDROGEOLOGY AND GEOCHEMISTRY ASSESSMENT

GROUNDWATER ELEVATION
RED RIVER CARBONATE

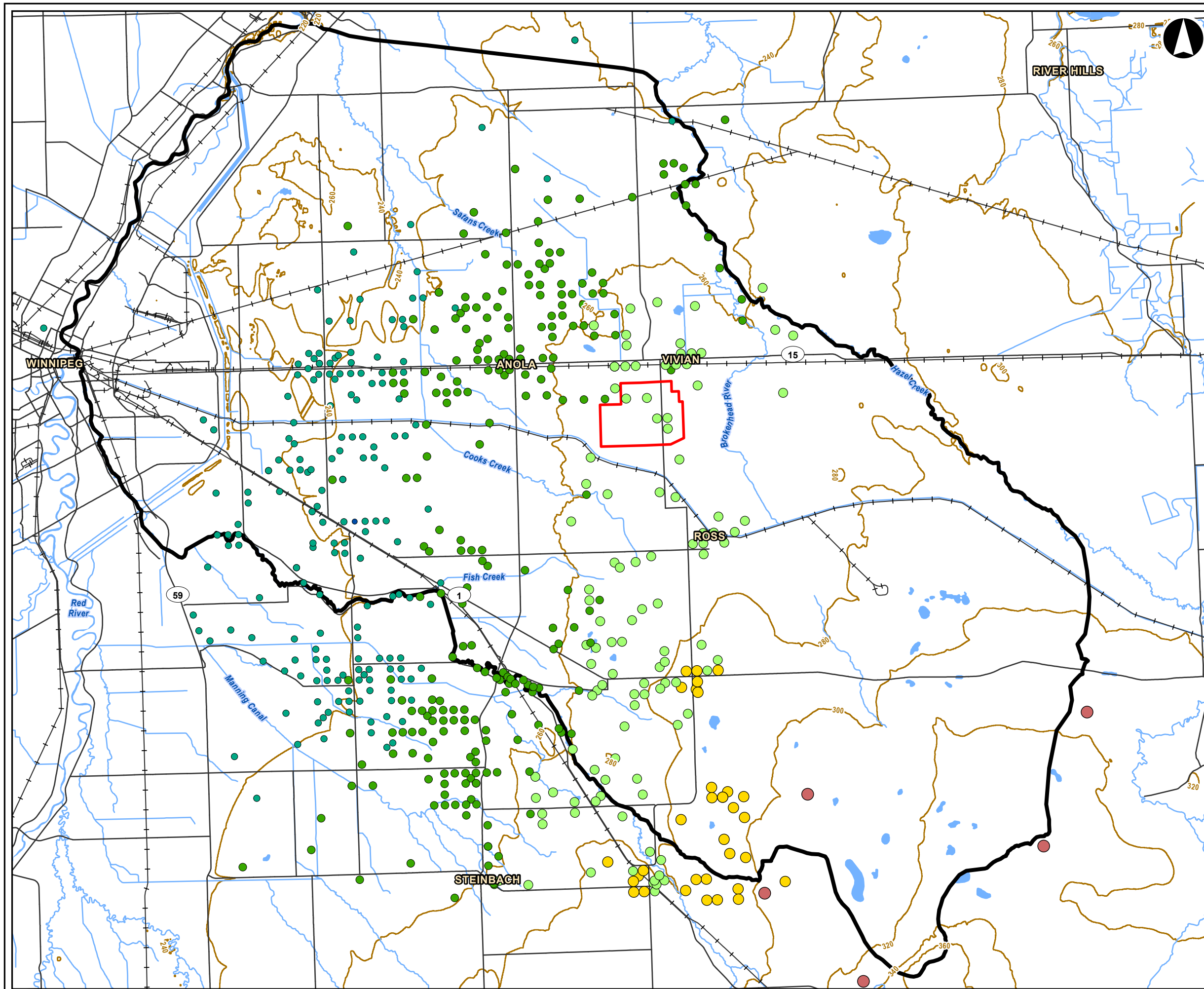
0 3 6 9 12
 Kilometres

Datum: NAD 1983 UTM Zone 14N

Nov, 2024	PN#: 60730241	1:290,000 *when printed 11"x17"	AECOM
Figure 5-10 Data Sources: MLI, NRCan - Canvec			

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MAP LOCATION: C:\GIS\SIAM\T080730241\SIO_SILICA\EXTRACT\REPORTS\HYDROGEOLOGY\PL_00730241_SIO_SILICA_EXTRACT_HYDROGEOLOGY\APRX - FIGURE MAP_FIG-10_HYDROGEOLOGY CARBONATE
 DATE SAVED: 2024-11-21 USER NAME: PAGE CROSSMAN



Legend

 25 Year Mine Area

 Model Domain

Winnipeg Sandstone Groundwater Elevations (masl)

- < 220

● 220 - 240

● 240 - 260

● 260 - 280

● 280 - 300

● > 300

General Features

—— Highway

—+—+ Railway

—— Topographic Contour (20 m)

 Watercourse Waterbody

**SiMBA PROJECT
SIO SILICA CORPORATION
HYDROGEOLOGY AND GEOCHEMISTRY ASSESSMENT**

GROUNDWATER ELEVATION WINNIPEG SANDSTONE

Datum: NAD 1983 UTM Zone 14N

Nov, 2024	PN#: 60730241	1:290,000 * when printed 11"x17"
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Figure 5-11

Data Sources: MLI, NRCan - Canvec

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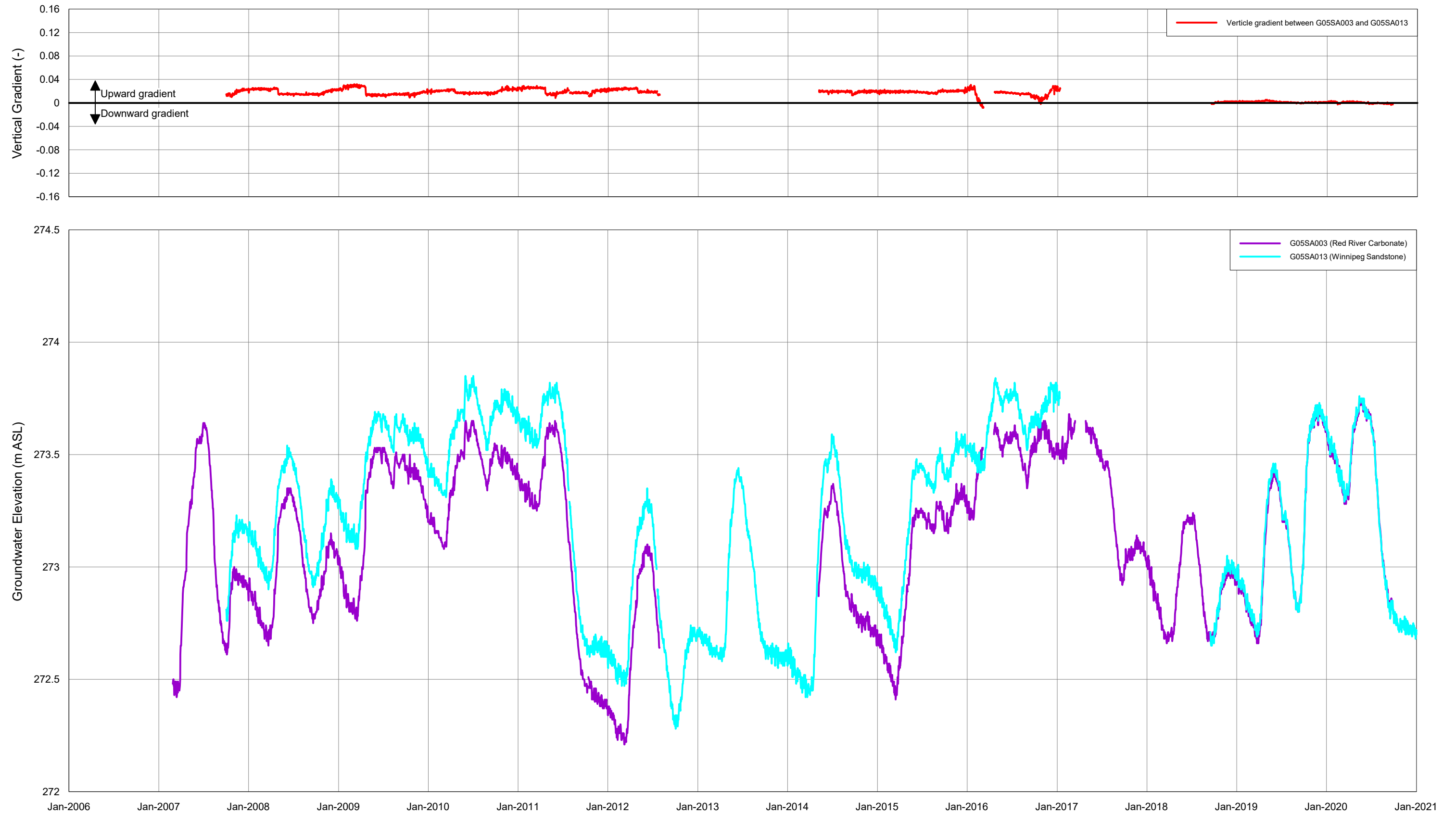


Figure 5-12. Manitoba Observation Well Hydrograph – Wells G05SA003 / G05SA013

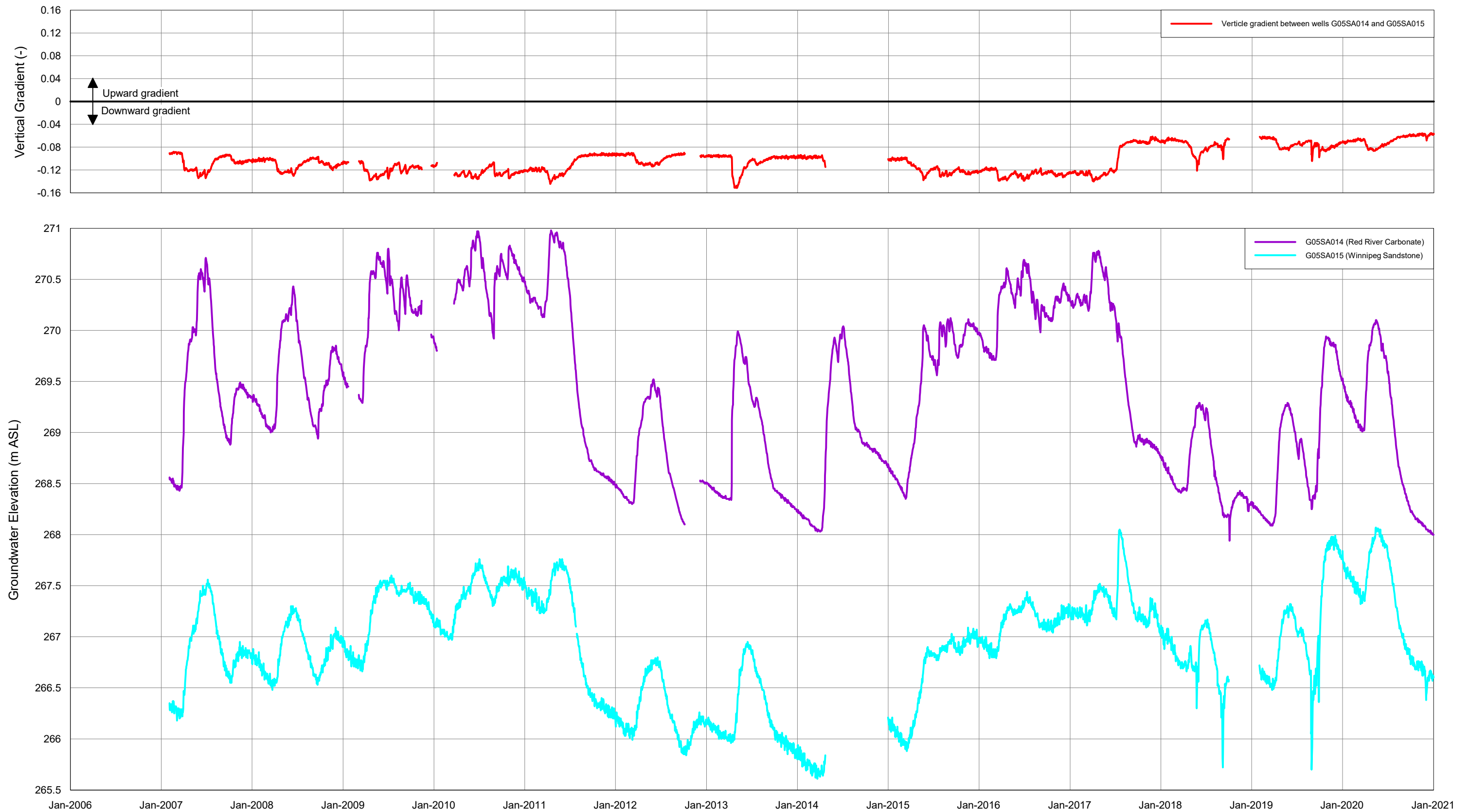


Figure 5-13. Manitoba Observation Well Hydrograph – Wells G05SA014 / G05SA015

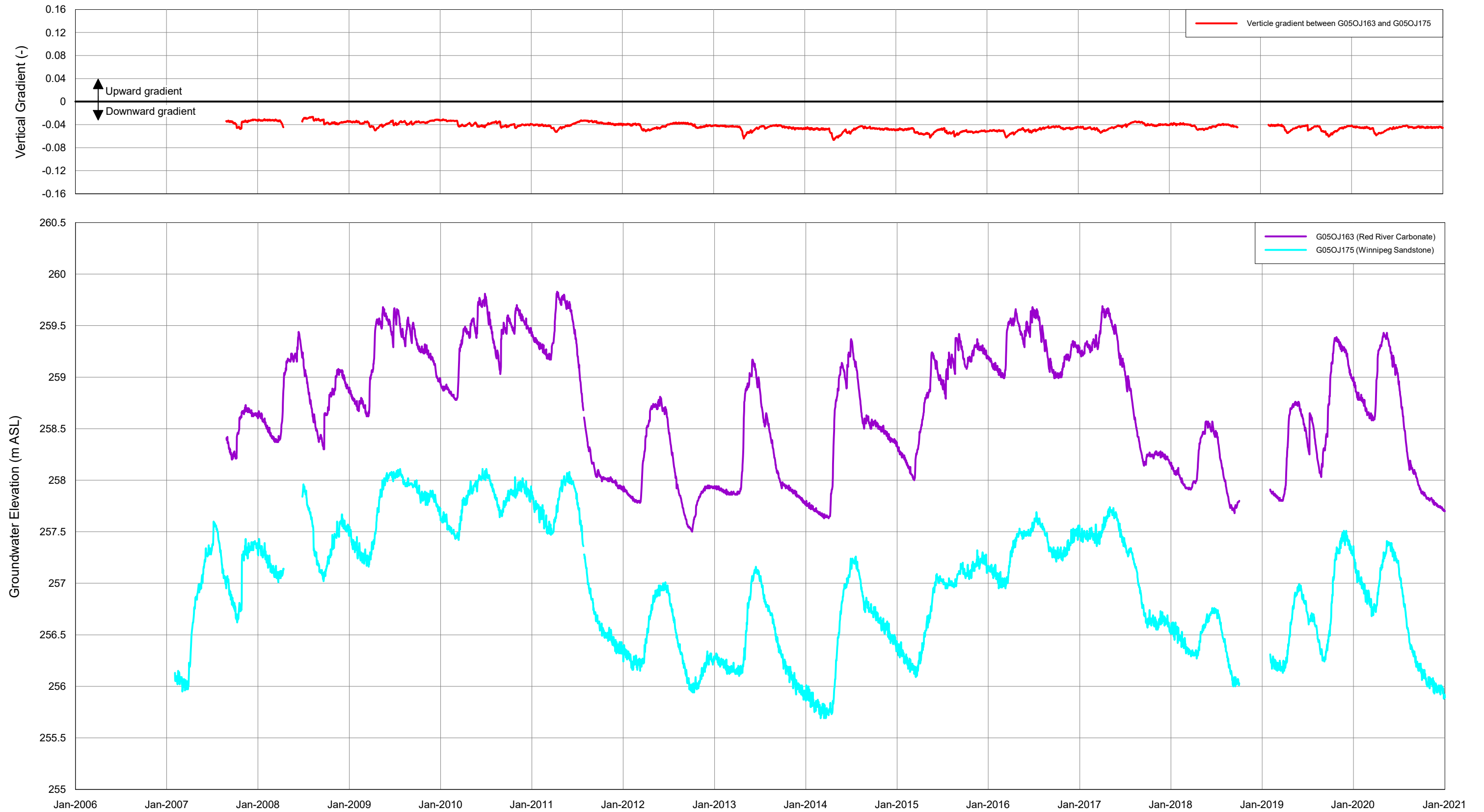


Figure 5-14. Manitoba Observation Well Hydrograph – Wells GO5OJ175 / GO5OJ163