

Water Committee Meeting  
Thursday, September 3, 2020 7:30 AM  
Lower Platte North NRD Office  
P.O. Box 126  
Wahoo, NE 68066

1. UNFINISHED BUSINESS

2. REGULATORY

A. GROUND WATER MANAGEMENT AREA

1. Variance Request in the Hydrologically Connected Area (Limited Development Area)

Deadline for applications are September 15.

2. Variance Requests in the Non-Hydrologically Connected Area (Normal Development Area)

Staff reviewed current applications and it appears the current applications that are in the NRD office fall within the HCA (Blue) Area.

3. Variance Requests in the Restricted Development Areas

Committee discussion: Staff explained the information that Katie Cameron developed for the meeting. Katie information included AEM flights and bore holes that showed the fragile nature of this part of the aquifer. Roger asked the Committee to allow him to keep his surface rights if an allocation is included in the conditions. It was pointed out, that by State Statue, domestic used has higher priority than irrigation in time of need, so in water shortage times domestic wells would receive water first. Committee thought a stricter annual allocation like 4/5 inches per year would be appropriated for this area. Committee thought conditions similar on the well approved in the restricted area in 2016 would be used with an allocation of 4 inches. The pump test would be for 36 hours and the irrigation well would need to pump 450 gallons per minute in this time range.

Attached is an updated sheet on potential conditions as of 9/10/2020.

Information is attached on a well permit and variance in the red area.

Katie's Comments:

This inquiry was an interesting one to evaluate. It looks like this site is located in an area

where a predominantly clay till over lying Dakota (to the west) meets an area with a coarse aquifer unit material available above the Dakota (Dakota sandstone/shale consistency below varies). I drew just an example type boundary between the two on the Google earth map for the site with lots of question marks. The orange hatch connects the two points on the west to east lines where the boundary is evident on the interpreted report profiles and then a jagged orange line represents one possible way it could be extending on the site - just for thinking about the variability of the boundary. The material above the Dakota is variable and the Dakota sandstone prevalence appears variable also. If I had to guess the best spot to get water with a new well, I would say southeast corner of the site BUT I am not sure how pumping up against a boundary to the west might affect the other wells in the Section. The abandoned irrigation well in neighboring Section 22 (G-056008 reported 1000 GPM, interbedded clay layers logged) and new well (700GPM, clay on top but layers not logged) seems high based on the AEM (this well is very close to the flight line L507800). So there is some discrepancy to consider on the matching up of logs with the resistivity profiles/interpretations (but irr. well log G-127249 on L300100 matches pretty well). Let me know if you need more on this, thanks!

Katie

**Kathleen Cameron, PG**  
[Conservation and Survey Division](#) Hydrogeologist / ENWRA Coordinator

4. Well Permit Program

a. Well Permits Approved

b. Wells Permits Approved: #19 for 2020

c. Landowner	d. Number of Wells	e. Number of New Irrigated Acres	f. Type
i.	j.	k.	
o.	p.	q.	
u.	v.	w.	
aa.	bb.	cc.	d.
gg.	hh.	ii.	j.

mm.

nn.

oo.

pp.

qq.

- rr.
- ss. The total number of approved permits for 2020 is #19

Location of Approved Well Permits for 2020: Correct as of September 1

tt. County	uu. Irrigation - New	vv. Irrigation - Replacement	ww. S
bbb. Butler	ccc. 1	ddd. 3	eee.
jjj. Colfax	kkk. 1	lll.	mmm.
rrr. Dodge	sss.	ttt. 2	uuu.
zzz. Boone	aaaa.	bbbb. 1	cccc.
hhhh. Madison	iiii.	jjjj.	kkkk.
pppp. Platte	qqqq.	rrrr. 1	ssss.
xxxx. Saunders	yyyy. 2	zzzz. 5	aaaaa.
ffff. Total	ggggg. 4	hhhhh. 12	

5. Irrigation Runoff Complaint

A couple of complaints with pivot end guns hitting the road. Staff contacted the individuals which appeared corrected the problem.

6. Well Interference Complaints

Staff received a call from a person north of Brainard. His domestic well is located in LPS and was complaining the irrigation wells just north in LPN District was making his domestic well suck air. He was questioning why these wells were allowed to run all summer. Staff explained that this area was in a management area with flow meters and rolling allocation. Staff will look at the numbers at the end of the irrigation season, but these wells would have the potential to pump as much as 27 inches, for they did not run at all in 2018-19.

7. Lower Platte River Basin Water Management Plan Coalition (LPRBC)

Invoice is attached for \$10,000 for LPN portion of the study assembling all the data within the Basin.

8. PHASE AREAS UPDATE

A virtual field day (pictures attached) with Mel and Matt Bailey (thank-you Baileys') allowing the NRD to dig a trench in their corn field. Patrick Cowser a soil scientist from the NRCS analyzed the soils profiles. (A report called PEDON is attached) He also had 6 soil scientist in training with him for education. The day was video taped and NRD staff will be editing this for a complete coverage of the day. If you look at "soil trench1" it shows a gray layer about 33 inches down. This shows the soil being calcified and potentially increases the pH. This happens from excess water and in this case probably from a high water table.

Staff visited with a couple of producers on what can be done for producers to try a

corn/soybean rotation. Some of this area high pH effects the growth of the soybean plant. "When pH levels are above 7, the soil is basic. And soils with these highly alkaline pH levels often prevent plant roots from reducing iron to a soluble state." Producers have tried a couple of products that have been successful in getting soybean yields over 50 bushels/acre. The following is an idea for the NET grant to assist 10 producers for 130 acres per field and cost share \$15/acre for \$19,500 total cost.

Soybeans is a legume which helps in nitrogen fixation. They also give a nitrogen credit to the soil, which reduces the amount of nitrogen needed for planting corn the following year. From the phase areas since 2003 approximately 70 percent of the time, corn is planted.

The following are the initial projects included the grant: Staff is planning to include \$20,000 for cost sharing on these products by reducing Cover Crops to \$140,000.

- Cover Crops - \$160,000 (40 producer, maximin 80 acres, \$50/acre)
- Tissue Sampling - \$2,000 (200 samples at \$10/sample)
- Flow Meters - \$350,000 (350 meters at \$1000/meter)
- Monitoring wells - \$100,000 (2 nested sites with 4 inch casing for sampling)
- Field Mapping - \$10,000 (10 producers at \$1000/field)
- High End Soil Moisture Sensors - \$20,000 (20 producers at \$1000/field)

The total amount of a NET grant would be \$642,000, which would be over 2 years and normally be about 25 percent for the LPNNRD. The LPNNRD requirement would be \$160,500 over a 2 year period.

The NET grant was submitted on September 8, and if approved the Committee/Board can make a motion in February 2021 to accept it for the dollar amounts approved by the NET Committee.

9. Bellwood Phase 2 Area

10. 2020 is the eighteenth year for this Phase 2 Area.

11. Year	12. Nitrate-nitrogen 13. Range	14. Percent 15. Nitrate-nitrogen 16. 0 to 8.0 ppm	17. Percent 18. Nitrate-nitrogen 19. 8.01 to 10.00 ppm	20. Percent 21. Nitrate-nitrogen 22. greater than 10 ppm
23. 2004	24. 0 to 25 ppm	25. 46.3% (44 of 95)	26. 8.4% (8 of 95)	27. 45.3% (43 of 95)

28. 2005	29. 0 to 25 ppm	30. 47% (44 of 94)	31. 15% (14 of 94)	32. 38% (36 of 94)
33. 2006	34. 0 to 24 ppm	35. 41% (29 of 71)	36. 14% (10 of 71)	37. 45% (32 of 71)
38. 2007	39. 0 to 31 ppm	40. 48% (48 of 100)	41. 9% (9 of 100)	42. 43% (43 of 100)
43. 2008	44. 0 to 28 ppm	45. 53.75% (43 of 80)	46. 7.5% (6 of 80)	47. 38.75% (31 of 80)
48. 2009	49. 0 to 22 ppm	50. 45.5% (41 of 90)	51. 15.5% (14 of 90)	52. 39% (35 of 90)
53. 2010	54. 0 to 35.7 ppm	55. 48.65% (54 of 111)	56. 11.71% (13 of 111)	57. 39.64% (44 of 111)
58. 2011	59. 0 to 26.6 ppm	60. 51% (56 of 110)	61. 6% (7 of 110)	62. 43% (47 of 110)
63. 2012	64. 0 to 28.9 ppm	65. 57% (61 of 107)	66. 9% (10 of 107)	67. 34% (36 of 107)
68. 2013	69. 0 to 25.8 ppm	70. 50% (53 of 107)	71. 9% (10 of 107)	72. 41% (44 of 107)
73. 2014	74. 0 to 22.3 ppm	75. 51% (55 of 108)	76. 13% (14 of 108)	77. 36% (39 of 108)
78. 2015	79. 0 to 32.3 ppm	80. 43% (31 of 72)	81. 8% (6 of 72)	82. 49% (35 of 72)
83. 2016	84. 0 to 35.1 ppm	85. 34% (25 of 74)	86. 11% (8 of 74)	87. 55% (41 of 74)
88. 2017	89. 0 to 23.5 ppm	90. 36% (27 of 74)	91. 15% (11 of 74)	92. 49% (36 of 74)
93. 2018	94. 0 to 30.9 ppm	95. 40% (25 of 63)	96. 11% (7 of 63)	97. 49% (31 of 63)
98. 2019	99. 0 to 24.5 ppm	100. 46% (22 of 48)	101. 10% (5 of 48)	102. 44% (21 of 48)

		48)	48)	48)
103. 2020	104. 0.08 to 20.5	105. 35% (1 of 31)	106. 10% (3 of 31)	107. 55% (17 of 31)

108.

12 water sample results for this area have not yet been received from lab.

109. Richland - Schuyler Phase 2 Area

110. 2020 is the fifth year of this Phase 2 Area. This area in 2020 is included with Phase 3 information.

111. Year	112. Nitrate-nitrogen Range	114. Percent 115. Nitrate-nitrogen 116. 0 to 8.0 ppm	117. Percent 118. Nitrate-nitrogen 119. 8.01 to 10.00 ppm	120. Percent 121. Nitrate-nitrogen 122. greater than 10 ppm
123. 2016	124. 1.47 to 41.8 ppm	125. 29% (10 of 34)	126. 9% (3 of 34)	127. 62% (21 of 34)
128. 2017	129. 2.44 to 25.4 ppm	130. 23% (8 of 35)	131. (0 of 35)	132. 77% (27 of 35)
133. 2018	134. 1.75 to 29.3 ppm	135. 25% (5 of 20)	136. 10% (2 of 20)	137. 65% (13 of 20)
138. 2019	139. 0.80 to 35.9 ppm	140. 7% (2 of 30)	141. 13% (4 of 30)	142. 80% (24 of 30)

143.

144. Richland - Schuyler Phase 3 Area

145. 2020 is the fifth year of this Phase 3 Area. This Phase 3 area went into effect September 1, 2015. The 55 sections of this area went into a Phase 2 Area in 2004. The ten sections that were in Phase 2 are now in Phase 3. As such, the 2020 numbers (at bottom of table) are for 65 sections.

146. Year	147. Nitrate-nitrogen Range	148. Percent 149. Nitrate-nitrogen 150. 0 to 8.00 ppm	151. Percent 152. Nitrate-nitrogen 153. 8.01 to 10.00 ppm

157. 2004	158. 0 to 47 ppm	159. 30% (42 of 139)	160. 10% (14 of 139)
162. 2005	163. 0 to 120 ppm	164. 31.3% (74 of 236)	165. 10.2% (24 of 236)
167. 2006	168. 0 to 53 ppm	169. 28% (50 of 181)	170. 14% (26 of 181)
172. 2007	173. 0 to 99 ppm	174. 32% (75 of 231)	175. 10% (22 of 231)
177. 2008	178. 0 to 46 ppm	179. 28% (53 of 190)	180. 12% (23 of 190)
182. 2009	183. 0 to 57 ppm	184. 33% (72 of 216)	185. 6% (13 of 216)
187. 2010	188. 0 to 57.5 ppm	189. 31% (70 of 229)	190. 7% (15 of 229)
192. 2011	193. 0 to 65.8 ppm	194. 28% (67 of 241)	195. 9% (21 of 241)
197. 2012	198. 0 to 52.6 ppm	199. 29% (70 of 241)	200. 9% (21 of 241)
202. 2013	203. 0 to 94.0 ppm	204. 25% (63 of 252)	205. 9% (23 of 252)
207. 2014	208. 0 to 101.0 ppm	209. 27% (68 of 251)	210. 9% (22 of 251)
212. 2015	213. 0 to 53.3 ppm	214. 23% (55 of 238)	215. 12% (29 of 238)
217. 2016	218. 0 to 50.5 ppm	219. 25% (58 of 228)	220. 10% (22 of 228)
222. 2017	223. 0 to 53.4 ppm	224. 25% (60 of 238)	225. 6% (14 of 238)
227. 2018	228. 0 to 56.9 ppm	229. 26.5% (50 of 189)	230. 6.3% (12 of 189)
232. 2019	233. 0 to 39.4 ppm	234. 25% (53 of 209)	235. 11% (22 of 209)
237. 2020	238. 0 to 50.8 ppm	239. 26.63% (49 of 184)	240. 6.52% (12 of 184)

242.

27 water sample results for this area have not yet been received from lab

243. LPNNRD Operator Certification

Staff has started the discussion on how to proceed with upcoming certification classes. Thoughts from Committee?

244. Cost Share Programs

a. Irrigation Well Sample Kits

So far in 2020 - 306 kits have been sent out.

b. Flow Meter Maintenance Program

Attached is a bid for the Flow Meter Maintenance program. The contract length is for four years (2020-2024). There are approximately 1000 irrigation wells with flow meters that require routine maintenance to prolong the life of the meter and measure flow rates accurately.

Agreement is attached on September 10 for Board Chairman to sign.

B. CHEMIGATION

C. For 2020 we have 695 renewals and 53 new permit applications for a current total of 748. There were 720 permits in 2019. A total of 281 inspections were completed. (228 renewal permits and 53 new permits)

3. GROUND WATER PROGRAMS

A. DECOMMISSIONED WELL PROGRAM

1. Well Estimates

2. # new wells has been reviewed and approved for decommissioning since the last Committee meeting.

3. Well Owner	4. Type of Well	5. Cost Share Estimate	6. County
7.	8.	9.	10.
11.	12.	13.	14.
15.	16.	17.	18.

19.

20. Plugged Wells

21. # wells have been plugged, reviewed, and ready for cost share payment approval this month.

22. Well Owner	23. Type of Well	24. Cost Share Estimate	25. County
26. Mark B. Gall	27. Irrigation	28. \$980.37	29. Butler
30. Jeffrey E. Bauer	31. Irrigation	32. \$1,000	33. Saunders
34. Matthew R. Hilger	35. Irrigation	36. \$1,000	37.

38.

**B. LOWER PLATTE NORTH NRD GROUND WATER STUDIES**

**C. GROUND WATER ENERGY LEVELS**

The summer WANN Basin day was conducted on August 24. The summer average readings from 2020 were little over half of foot lower than summer 2019. There were 5 wells lower in summer 2020 than in 2012. Graphs attached.

Attached is GWEL TV-10 that LPN has been measuring water levels since 1990. A bull snake apparently crawled into the well and caused the well to loose pressure. He thought that the inspection port was not closed after the spring readings. This well is in a pasture and other critters could have potentially moved the covered. He just wanted NRD staff to be aware to close the inspection port after measuring the well. At this time staff is just informing the Committee of this situation.

**D. GROUND WATER QUALITY SAMPLING**

Below is information from LPN statewide network wells that are sampled annually. Staff will be providing more information to Committee at the next Committee Meeting.

E. Year	F. Nitrate-Nitrogen Range	G. % Nitrate-nitrogen H. 0-8.0 ppm	I. % Nitrate nitrogen J. 8.01-10.0 ppm	K. % Nitrate nitrogen L. > 10 ppm
M. 2020	N. 0 - 24.2 ppm	O. 70.6% P. (36 of 51)	Q. 3.9% R. (2 of 51)	S. 25.5% T. (13 of 51)

U.

V. Year	W. Nitrate-Nitrogen Range	X. % Nitrate-nitrogen Y. 0-8.0 ppm	Z. % Nitrate nitrogen AA. 8.01-10.0 ppm	BB. % Nitrate nitrogen CC. > 10 ppm
DD. 2019	EE. 0 - 26.9 ppm	FF. 72.7% GG. (24 of 33)	HH. 12.1% II. (4 of 33)	JJ. 15.2% KK. (5 of 33)

**4. SURFACE WATER PROGRAMS**

**A. STATE LAKES, FOR THE WEEK OF**

This week's beach Bacteria and Harmful Algal Bloom results are now posted

on the NDEE web page ([Current Health Alerts and Sampling Results For This Week](#)).

5. OTHER

A. COMMENTS FROM THE PUBLIC

**Lower Platte North NRD (LPNNRD)**  
**Potential Conditions for Restricted Development Area**  
**Section 23-T14N-R6E**  
**DRAFT**

- Variance will be reviewed annually and if this irrigation well is causing well interference with nearby well owners such as declining groundwater energy levels in the aquifer either during static or pumping conditions, the variance can be withdrawn as stated in the LPNNRD Groundwater Management Rules and Regulations.
- Well Permit will be reviewed annually and if this irrigation well is causing well interference with nearby well owners such as declining groundwater energy levels in the aquifer either during static or pumping conditions, the well permit can be suspended.
- Approved Lower Platte North NRD Flow meter must be properly installed according to manufacturer's specifications. In addition, installation must meet all the conditions as specified on the LPNNRD approved list of mechanical flow meters with remote read capability.
- Annual groundwater allocation will be fixed amount of 4-acre-inches per year set upon approval of the well permit. If 4 inches are not used in the crop year, the difference between actual use and the fixed amount can be banked and carried over. The irrigation system, however, shall not pump over 6 inches in one year.
- Annual reporting of flow meter reading (totalizer) shall be submitted to the LPNNRD by December 15<sup>th</sup> of each year.
- Install 3 soil moisture sensors at well owners preferred location within the irrigated portion of the field, one at each depth of 1 foot, 2 foot, and 3 foot and a data logger to record these readings during the summer months or irrigation season. LPNNRD personnel will have access to this data logger and site where soil moisture sensors are installed. Annual report required on soil moisture readings by December 15 of each year.
- Install a time recorder on the pivot panel or well to monitor date and time when the well is running. This information will be available to LPNNRD personnel and sent to NRD by December 15 of each year. Failure to submit this information may result in LPNNRD revoking the variance.
- The well pump and irrigation system will only be allowed to run at night between the hours of 9:00 pm to 6:00 am of the following day, for a total of 9 hours in any 24-hour period.
- The Well Driller will install a small diameter tubing (PVC~1 inch inside diameter) into the gravel pack of this well to within the bottom 10 feet of the well. This tube will be installed with a datalogger and cables at well owner producer cost (LPNNRD will provide their specification for these).
- Well owner agrees to allow LPNNRD personnel access to the irrigation well and monitoring during reasonable hours to inspect and monitor the equipment.

- Well owner agrees to pay the cost to install a 4-inch diameter monitoring well in the west side of his field boundary (map location will be supplied by the LPNNRD); drilled and screened to a comparable depth of the irrigation well for use by LPNNRD personnel. LPNNRD will supply the specifications for this monitoring well. The monitoring shall be constructed and monitoring equipment installed before the irrigation well is test pumped.
- Thirty-six-hour Pump Test will be required of completed irrigation well. LPNNRD must be notified of when pump test will occur so personnel can be on hand to monitor the test. During the test, the well must consistently pump a minimum of 450 GPM or variance is revoked. A water flow meter must be installed by the landowner prior to the pump test. The pump test needs to be performed in the fall with an exception granted for late spring.
- Water Quality sample will be taken during pump test. Parameters to be measured are temperature, pH, conductivity, nitrate-nitrogen, and parameters to measure irrigation suitability.
- Landowner/Producer will be responsible to purchase the data loggers and cables for the monitoring well and PVC tube along with the water flow meter. LPNNRD will supply the remote read equipment for both sites to read the data loggers and flow meter.
- Surface water permits does not need to be relinquish on this tract and can be used for irrigation if needed. The surface water irrigation will not be included in the allocation amount.
- The variance and well permit are not approved and is void until agreement is signed.

This agreement is effect if the irrigation well is active on this tract and hereby approved and executed after parties' signatures on the dates below.

\_\_\_\_\_  
Landowner

\_\_\_\_\_  
Producer (if different)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Lower Platte North Board Chairman

\_\_\_\_\_  
Date

DRAFT 9\_10\_2020

T14N R6E S10

T14N R6E S11

T14N R6E S12

18876

T14N R6E S15

T14N R6E S14

T14N R6E S13

G-056008



G-127349

T14N R6E S22

T14N R6E S23

T14N R6E S24

G-136546

G-095822

T14N R6E S27

T14N R6E S26

T14N R6E S25

G-136405

T14N R6E S36

T14N R6E S35



Roger Harder

Saunders

>

> I'm Don Fiedler, owner of the land adjacent to the south of this property. If this is in the same vain as my well which is just south west of Harder's property and it would decrease the output of my well significantly, I would be opposed to this, thanks.....Don

>

> Donnie's iPhone

**This is the part that pertains to LPN Restricted Development from the Groundwater Management Rules. The complete set of rules are on the Lower Platte North Website.**

## **Section P Irrigation Development in the Restricted Development Areas (RDA)**

**Rule 1** The District will allow expansion of new acres but does not allow for any more consumptive use in the RDA. Any development of new irrigated acres in the RDA shall be offset with an equal number of irrigated acres retired within the same aquifer subarea and shall be considered a transfer. The RDA areas within Lower Platte North NRD are on file in the District office and shown on Exhibit A.

**Rule 2** LPNNRD shall require a water quality test from any well pumping from the Dakota Aquifer, due to its high variability in water quality.

**Rule 3** If a transfer is approved, the new irrigation well shall not irrigate more than 160 acres in total.

**Rule 4** The district shall send notices to adjacent landowners notifying them about the proposed well and allow them to testify at a Water Committee or Board meeting to present their case for or against the proposed well. This shall be required before the permit for the proposed well can be approved by the NRD. Adjacent landowners are those whose land touches the tract that is requesting the variance. If the adjacent land is part of a city, village or SID then a single notice will be sent to the political sub-division.

**Rule 5** The Board may grant a variance to Rule 1 if the relevant parcel of ground is within 1 mile of a Normal Development Area or Limited Development Area. Such variance for new irrigation shall follow all rules as set forth in the applicable development area.

**Rule 6** The well owner, landowner and tenant will allow the LPNNRD to measure the groundwater energy levels within the new well and add it to the LPNNRD GWEL network.

**Rule 7** The well owner will install small diameter piping, placed in the gravel pack of the high capacity well, so LPNNRD can measure drawdown when the pump is operating and to measure the recovery rate.

**Rule 8** Three test holes will be required to show the geology at and near the proposed well site. One test hole will be drilled at the proposed well site with the second and third test hole drilled approximately 300 feet from the proposed well site and spaced from each other. If a registered well with a well log exists within 1,000 feet of the proposed well site then this well log maybe used to replace one of the required test holes.

**Rule 9** Any permit issued for development in the restricted development area is a “conditional permit”. Conditional permits may be treated differently than other well permits within LPNNRD. With good cause these permits may have pumping restrictions placed on them, or withdrawn by the NRD.

**Rule 10** A pump test may be performed for a minimum of 24 hours, or until the flow stabilizes or slows down. This pump test will be conducted during peak irrigation season.

**Rule 11** A continuation of Stay Management Area Rules as defined in Section M, Rule 4, 6, 8, 10, and 12, shall apply.

## **Section M Stay Management Areas**

### **Rule 1 Temporary Stay on New Water Wells and Expansion of Irrigated Acres**

The District may impose an immediate temporary stay for a period of one hundred eighty days on the construction of any new water well and on any increase in the number of acres historically irrigated, without prior notice or hearing, upon adoption of a resolution by the Board finding that such temporary immediate stay is necessary due to declining groundwater energy levels, potential over development of an aquifer, allow reasonable time for scientific studies to be conducted, or other discretionary factors determined by the Board. A temporary stay may be placed by the District either within the entirety of the District or within designated Management Areas or Special Quantity Subareas. The District shall hold at least one public hearing on the matter within the District during such one hundred eighty days, with the notice of the hearing given as provided in section 46-743, prior to making a determination as to imposing a permanent stay or conditions in accordance with subsections (1) and (6) of section 46-739. Within forty-five days after a hearing pursuant to this subsection, the District shall decide whether to exempt from the immediate temporary stay the construction of water wells for which permits were issued prior to the date of the resolution commencing the stay but for which construction had not begun prior to such date. If construction of such water wells is allowed, all permits that were valid when the stay went into effect shall be extended by a time period equal to the length of the stay and such water wells shall otherwise be completed in accordance with section 46-738 and Section E, Rule 4 & 5 of these rules and regulations. Water wells listed in subsection (3) of section 46-714 and water wells of public water suppliers are exempt from this subsection.

### **Rule 2 Permanent Stay on New Water Wells and Expansion of Irrigated Acres**

The District may issue a permanent stay on the construction of new water wells and a stay on the expansion of irrigated acres in areas that are vulnerable to groundwater level declines, potential over development of an aquifer, allow reasonable time for scientific studies to be conducted, or other discretionary factors determined by the Board. A permanent stay may be placed by the District either within the entirety of the District or within designated Management Areas or Special Quantity Subareas. Scientific information will be used in determination of these areas, which will include, but not limited to, areal extent of the primary aquifer, type of aquifer ranging from confined to unconfined aquifers, saturated thickness, transmissivity, availability of alternative aquifers of sufficient water quality to allow for beneficial use, local recharge characteristics and rates from any water sources, current development of water use within the designated area and projected future water use, climatic conditions, and discretionary factors determined by the Board. A Stay management area can be issued on any Level One, Two or Three management areas.

### **Rule 3 Review of Permanent Stay Management Area**

The District shall conduct scientific studies, reviews and utilize other information available to determine current and future hydrogeologic conditions and economic factors of management areas within the District. If review of new information as outlined in Section M, Rule 3 and other relevant information indicates that a permanent stay management area could be opened to limited development or disbanded, the District shall hold a public hearing in accordance with 46-743 and issue an order as outlined in 46-744.

### **Rule 4 Natural Resources District Certification**

In Stay management areas, operators of domestic, livestock, irrigation, municipal, and industrial well systems are required to obtain NRD certification by attending NRD education classes or by passing a take home test designed by LPNDRD and in agreement with applicable other agency input every four (4) years.

### **Rule 5 Water Well Variance and Water Well Permit Required on High and Low Capacity Wells in Stay Management Areas**

- (1) The District will require that a water well variance and water well permit be obtained for each new high capacity well prior to construction in a Stay management area.
- (2) The District shall by rule and regulation require that a water well variance and water well permit be

obtained for each new water well or for one or more categories of water wells designed and constructed to pump fifty gallons per minute or less, other than a domestic water well required for human needs as it relates to health, fire control, sanitation, and irrigation on less than one acre of land or used to water range livestock, in groundwater management areas in which regulations have been imposed to control declining groundwater levels.

### **Rule 6 Transport of Groundwater in a Stay Management Area**

Whenever the District has closed all or part of the District to the issuance of additional water well permits or expansion of irrigated acres, groundwater withdrawn outside the affected area shall not be transported for use inside such area unless (a) such withdrawal and transport began before the affected area was closed to the issuance of additional water well permits or expansion of irrigated acres, (b) the water is used solely for domestic purposes and irrigation on less than one acre of land, (c) such withdrawal and transport is approved in advance by the District and if the water is withdrawn from another natural resources district, that neighboring district must also approve, or (d) if a proposed withdrawal and transport of water is intended for municipal purposes, the District shall approve the withdrawal and transport of groundwater into the affected area when a public water supplier providing water for municipal purposes receives a permit from the Department of Natural Resources pursuant to the Municipal and Rural Domestic Groundwater Transfers Permit Act.

### **Rule 7 Variance Application to Construct Water Well and/or Expansion of Irrigated Acres**

The District shall establish variance procedures to address requests for new water wells and the expansion of irrigated acres in portions of the District designed as temporary or permanent Stay management areas. A variance request is required on or after the effective date of a stay management area and prior to any expansion in water use or before the application for a new water well permit.

- (1) A non-refundable \$75.00 filing fee payable to the District is required for each variance application.
- (2) An Expanded Water Use variance or New Water Well variance is not required for test holes or temporary dewatering wells (less than 30 days).
- (3) If expansion of water use could result in existing wells to enlarge their cones of influence (cones of depression) to now overlap into a District Stay management area, an Expanded Water Use Variance will now be required.
- (4) If a new water well is the only water source for any expanded water use, then use the District's 'New Water Well Variance' form instead of the 'Expanded Water Use Variance' form.
- (5) If a new water well and another water source, such as surface water or reuse water, will be used then the applicant will need to fill out both a variance request for a new water well and expanded water use, but the fee shall remain at \$75.00.
- (6) An aerial photograph with markings to show the location of the water source(s) and the location of where the water is to be used, shall be submitted with the variance request form.
- (7) If reuse water is one of the water sources, the applicant must submit the requested information on the variance request. Irrigation water by itself cannot be credited as reuse water for another water user.

(8) All variance applications must include name and address of the applicant, proposed use of the water, location of water use, water sources such as groundwater, surface water or reuse water, any offset water use such as the retiring of irrigated acres in the same sub-area, signature of applicant, and applications for a variance request for domestic, livestock, irrigation, municipal and/or industrial use must have an NRD certified operator listed on the variance request form. The operator will be the person who shall control the operation of the domestic, livestock, irrigation, municipal and/or industrial well for which the variance request is being made.

(9) The District shall designate different classes of variances based on the well pumping capacity in gallons per minute, number of acres being irrigated, or expected total annual water use.

(a) Class one variance is required on all low capacity wells, which pump fifty gallons per minute or less in a Stay management areas. Exceptions are for domestic water wells required for human needs as it relates to health, fire control, sanitation, and irrigation on less than one acre of land or used to water range livestock.

(b) Class two variance is required in a Stay management area for all proposed high capacity wells that will pump greater than fifty gallons per minute with an expected total annual water use of less than or equal to one hundred and fifty acre feet per year, or expansion of irrigated acres less than or equal to one hundred and sixty acres.

(c) Class three variance is required on all high capacity wells that will pump greater than fifty gallons per minute with an expected total annual water use greater than one hundred and fifty acre feet per year but less than three hundred acre feet per year, or expansion of irrigated acres on land greater than one hundred and sixty acres. Applicant must submit information as listed in Section M, Rule 8 plus additional information of all registered wells, test holes, and all surface water rights in a two mile radius of the proposed water use as specified on the variance request form. In addition to the seventy five dollar variance filing fee, the applicant must submit a two hundred and fifty dollar fee for District review.

(d) Class four variance is required on all high capacity wells that pump greater than fifty gallons per minute with an expected total annual water use equal to or greater than 300 acre feet per year, regardless of the number of irrigated acres. Class four variance requests are required for point source groundwater users that seek to collectively supply groundwater equal to or greater than 300 acre feet per year to a single facility or operation. Applicant must submit information listed in Section M, Rule 8 plus additional information of all registered wells, test holes, and all surface water rights in a five mile radius of the proposed water use, perform an District approved aquifer pump test, and perform a groundwater model using MODFLOW software or a similar software program approved by the District as specified on the water well permit application form. In addition to the seventy five dollar variance filing fee, the applicant must submit a five hundred dollar fee for District review.

(e) If variance request for a new water well is conditionally approved or fully approved by the District, the applicant will still need to apply for and received District approval for a water well permit before construction of the well. Fee for District review of Class three and Class four new water well permits in Stay management areas will be waived for payments received for District approved Class three and Class four new well variances.

(f) For purposes of determining the capacity in gallons per minute and expected total annual water use, the District may consider other water sources that the new well will be commingled, combined, clustered, or joined with in making such calculations (e.g., if the use previously had a Class three status and the new well increases the expected total annual water use to be equal to or greater than 300 acre feet per year, the application will be treated as a Class four variance request).

## **Rule 8 Review of Variance Application**

District review of any variance request will be based, in part, on a point system evaluation, which will consider offsets such as retiring other acres or water use, or the reuse of water from industries, municipalities or other potential sources where water can be reused. District review will also be based on discretionary factors, including but not limited to, whether the variance request would promote the health and welfare of the District by contributing to the conservation, protection, development, and sound management of natural resources in the District.

## **Rule 9 Conditional Approval of Variance Application**

(1) For an expanded water use variance from an existing water source, the landowner has 90 days following conditional approval by the Board to update County assessor records, submit records to the Department of Natural Resources (DNR) to update DNR well registration data base for new irrigated acres, and comply with any additional conditions required by the District. Conditional approval will expire in 90 days from date of issuance by the LPNNRD Board if these conditions are not met.

(2) For a new water well variance, the landowner or well owner has 90 days following conditional approval by the Board to submit a LPNNRD water well permit form to the District, and comply with any additional conditions required by the District. Information listed on the water well permit must agree with information listed on the new water variance or the variance request and well permit will be denied. Conditional approval will expire in 90 days from date of issuance by the LPNNRD Board if these conditions are not met.

(3) When the conditions of the variance have been satisfied and approved by the LPNNRD within 90

days of issuance, then the 'conditionally approved variance' shall become an 'approved variance'. If these conditions have not been met, then the 'conditionally approved variance' will lapse and the landowner will need to submit a new variance request.

(4) When an 'approved variance' is granted by the District, then water users must install a flow meter and report water pumped annually in acre-inches per year or total gallons per year on LPNNRD approved forms by December 15 of each following year.

#### **Rule 10 Approved Variance and Annual Review by the District**

(1) For an approved expanded water use variance from an existing water source, additional water use must be put to use within a one-year period following the District's approval of the variance and comply with any additional conditions required by the District. The District may grant an exception for good cause shown, such as abundant rainfall received on new or expanded irrigated acres when actual irrigation would not be necessary.

(2) For an approved new water well variance and approved new water well permit, the landowner has 90 days following the completion of the new well to update County assessor records, submit well registration to DNR to update the well registration data base, comply with Section E, Rule 4 and 5, and comply with any additional conditions required by the District. The District may grant an exception for good cause shown.

(3) When an approved variance is granted by the District, then water users must install a flow meter and report water pumped annually in acre-inches per year or total gallons per year on LPNNRD approved forms by December 15 of each following year and comply with any additional conditions required by the District.

(4) The approved variance will be subject to annual renewal by the District. If the District believes the variance should not be renewed, the District will inform the landowner with at least a 45 day notice stating the intentions of the District and allowing the landowner to request a hearing before the Board of Directors within that time limit.

#### **Rule 11 Cancellation of Approved Variance**

The District may cancel or void an approved variance at any time if the Board finds violation of the District's rules and regulations, including the failure to submit annual reporting information required by Section M, Rule 9(4) or Rule 10(3).

#### **Rule 12 Variance and/or Water Well Permit for Sub-Irrigated Ground**

If loss of sub-irrigation should occur on ground certified by the District as sub-irrigated, the landowner and/or operator may apply to the District for a variance request and/or water well permit without the required offsets to install an irrigation well provided that water will be applied to the same location, field, parcel, tract or legal description, the same number of acres and the crop type must remain the same as was previous certified as sub-irrigated. Sub-irrigated ground is non-transferrable.

**This is the part that pertains to LPN Restricted Development from the Groundwater Management Rules. The complete set of rules are on the Lower Platte North Website.**

## **Section P Irrigation Development in the Restricted Development Areas (RDA)**

**Rule 1** The District will allow expansion of new acres but does not allow for any more consumptive use in the RDA. Any development of new irrigated acres in the RDA shall be offset with an equal number of irrigated acres retired within the same aquifer subarea and shall be considered a transfer. The RDA areas within Lower Platte North NRD are on file in the District office and shown on Exhibit A.

**Rule 2** LPNNRD shall require a water quality test from any well pumping from the Dakota Aquifer, due to its high variability in water quality.

**Rule 3** If a transfer is approved, the new irrigation well shall not irrigate more than 160 acres in total.

**Rule 4** The district shall send notices to adjacent landowners notifying them about the proposed well and allow them to testify at a Water Committee or Board meeting to present their case for or against the proposed well. This shall be required before the permit for the proposed well can be approved by the NRD. Adjacent landowners are those whose land touches the tract that is requesting the variance. If the adjacent land is part of a city, village or SID then a single notice will be sent to the political sub-division.

**Rule 5** The Board may grant a variance to Rule 1 if the relevant parcel of ground is within 1 mile of a Normal Development Area or Limited Development Area. Such variance for new irrigation shall follow all rules as set forth in the applicable development area.

**Rule 6** The well owner, landowner and tenant will allow the LPNNRD to measure the groundwater energy levels within the new well and add it to the LPNNRD GWEL network.

**Rule 7** The well owner will install small diameter piping, placed in the gravel pack of the high capacity well, so LPNNRD can measure drawdown when the pump is operating and to measure the recovery rate.

**Rule 8** Three test holes will be required to show the geology at and near the proposed well site. One test hole will be drilled at the proposed well site with the second and third test hole drilled approximately 300 feet from the proposed well site and spaced from each other. If a registered well with a well log exists within 1,000 feet of the proposed well site then this well log maybe used to replace one of the required test holes.

**Rule 9** Any permit issued for development in the restricted development area is a “conditional permit”. Conditional permits may be treated differently than other well permits within LPNNRD. With good cause these permits may have pumping restrictions placed on them, or withdrawn by the NRD.

**Rule 10** A pump test may be performed for a minimum of 24 hours, or until the flow stabilizes or slows down. This pump test will be conducted during peak irrigation season.

**Rule 11** A continuation of Stay Management Area Rules as defined in Section M, Rule 4, 6, 8, 10, and 12, shall apply.

## **Section M Stay Management Areas**

### **Rule 1 Temporary Stay on New Water Wells and Expansion of Irrigated Acres**

The District may impose an immediate temporary stay for a period of one hundred eighty days on the construction of any new water well and on any increase in the number of acres historically irrigated, without prior notice or hearing, upon adoption of a resolution by the Board finding that such temporary immediate stay is necessary due to declining groundwater energy levels, potential over development of an aquifer, allow reasonable time for scientific studies to be conducted, or other discretionary factors determined by the Board. A temporary stay may be placed by the District either within the entirety of the District or within designated Management Areas or Special Quantity Subareas. The District shall hold at least one public hearing on the matter within the District during such one hundred eighty days, with the notice of the hearing given as provided in section 46-743, prior to making a determination as to imposing a permanent stay or conditions in accordance with subsections (1) and (6) of section 46-739. Within forty-five days after a hearing pursuant to this subsection, the District shall decide whether to exempt from the immediate temporary stay the construction of water wells for which permits were issued prior to the date of the resolution commencing the stay but for which construction had not begun prior to such date. If construction of such water wells is allowed, all permits that were valid when the stay went into effect shall be extended by a time period equal to the length of the stay and such water wells shall otherwise be completed in accordance with section 46-738 and Section E, Rule 4 & 5 of these rules and regulations. Water wells listed in subsection (3) of section 46-714 and water wells of public water suppliers are exempt from this subsection.

### **Rule 2 Permanent Stay on New Water Wells and Expansion of Irrigated Acres**

The District may issue a permanent stay on the construction of new water wells and a stay on the expansion of irrigated acres in areas that are vulnerable to groundwater level declines, potential over development of an aquifer, allow reasonable time for scientific studies to be conducted, or other discretionary factors determined by the Board. A permanent stay may be placed by the District either within the entirety of the District or within designated Management Areas or Special Quantity Subareas. Scientific information will be used in determination of these areas, which will include, but not limited to, areal extent of the primary aquifer, type of aquifer ranging from confined to unconfined aquifers, saturated thickness, transmissivity, availability of alternative aquifers of sufficient water quality to allow for beneficial use, local recharge characteristics and rates from any water sources, current development of water use within the designated area and projected future water use, climatic conditions, and discretionary factors determined by the Board. A Stay management area can be issued on any Level One, Two or Three management areas.

### **Rule 3 Review of Permanent Stay Management Area**

The District shall conduct scientific studies, reviews and utilize other information available to determine current and future hydrogeologic conditions and economic factors of management areas within the District. If review of new information as outlined in Section M, Rule 3 and other relevant information indicates that a permanent stay management area could be opened to limited development or disbanded, the District shall hold a public hearing in accordance with 46-743 and issue an order as outlined in 46-744.

### **Rule 4 Natural Resources District Certification**

In Stay management areas, operators of domestic, livestock, irrigation, municipal, and industrial well systems are required to obtain NRD certification by attending NRD education classes or by passing a take home test designed by LPNDRD and in agreement with applicable other agency input every four (4) years.

### **Rule 5 Water Well Variance and Water Well Permit Required on High and Low Capacity Wells in Stay Management Areas**

- (1) The District will require that a water well variance and water well permit be obtained for each new high capacity well prior to construction in a Stay management area.
- (2) The District shall by rule and regulation require that a water well variance and water well permit be

obtained for each new water well or for one or more categories of water wells designed and constructed to pump fifty gallons per minute or less, other than a domestic water well required for human needs as it relates to health, fire control, sanitation, and irrigation on less than one acre of land or used to water range livestock, in groundwater management areas in which regulations have been imposed to control declining groundwater levels.

#### **Rule 6 Transport of Groundwater in a Stay Management Area**

Whenever the District has closed all or part of the District to the issuance of additional water well permits or expansion of irrigated acres, groundwater withdrawn outside the affected area shall not be transported for use inside such area unless (a) such withdrawal and transport began before the affected area was closed to the issuance of additional water well permits or expansion of irrigated acres, (b) the water is used solely for domestic purposes and irrigation on less than one acre of land, (c) such withdrawal and transport is approved in advance by the District and if the water is withdrawn from another natural resources district, that neighboring district must also approve, or (d) if a proposed withdrawal and transport of water is intended for municipal purposes, the District shall approve the withdrawal and transport of groundwater into the affected area when a public water supplier providing water for municipal purposes receives a permit from the Department of Natural Resources pursuant to the Municipal and Rural Domestic Groundwater Transfers Permit Act.

#### **Rule 7 Variance Application to Construct Water Well and/or Expansion of Irrigated Acres**

The District shall establish variance procedures to address requests for new water wells and the expansion of irrigated acres in portions of the District designed as temporary or permanent Stay management areas. A variance request is required on or after the effective date of a stay management area and prior to any expansion in water use or before the application for a new water well permit.

- (1) A non-refundable \$75.00 filing fee payable to the District is required for each variance application.
- (2) An Expanded Water Use variance or New Water Well variance is not required for test holes or temporary dewatering wells (less than 30 days).
- (3) If expansion of water use could result in existing wells to enlarge their cones of influence (cones of depression) to now overlap into a District Stay management area, an Expanded Water Use Variance will now be required.
- (4) If a new water well is the only water source for any expanded water use, then use the District's 'New Water Well Variance' form instead of the 'Expanded Water Use Variance' form.
- (5) If a new water well and another water source, such as surface water or reuse water, will be used then the applicant will need to fill out both a variance request for a new water well and expanded water use, but the fee shall remain at \$75.00.
- (6) An aerial photograph with markings to show the location of the water source(s) and the location of where the water is to be used, shall be submitted with the variance request form.
- (7) If reuse water is one of the water sources, the applicant must submit the requested information on the variance request. Irrigation water by itself cannot be credited as reuse water for another water user.

(8) All variance applications must include name and address of the applicant, proposed use of the water, location of water use, water sources such as groundwater, surface water or reuse water, any offset water use such as the retiring of irrigated acres in the same sub-area, signature of applicant, and applications for a variance request for domestic, livestock, irrigation, municipal and/or industrial use must have an NRD certified operator listed on the variance request form. The operator will be the person who shall control the operation of the domestic, livestock, irrigation, municipal and/or industrial well for which the variance request is being made.

(9) The District shall designate different classes of variances based on the well pumping capacity in gallons per minute, number of acres being irrigated, or expected total annual water use.

(a) Class one variance is required on all low capacity wells, which pump fifty gallons per minute or less in a Stay management areas. Exceptions are for domestic water wells required for human needs as it relates to health, fire control, sanitation, and irrigation on less than one acre of land or used to water range livestock.

(b) Class two variance is required in a Stay management area for all proposed high capacity wells that will pump greater than fifty gallons per minute with an expected total annual water use of less than or equal to one hundred and fifty acre feet per year, or expansion of irrigated acres less than or equal to one hundred and sixty acres.

(c) Class three variance is required on all high capacity wells that will pump greater than fifty gallons per minute with an expected total annual water use greater than one hundred and fifty acre feet per year but less than three hundred acre feet per year, or expansion of irrigated acres on land greater than one hundred and sixty acres. Applicant must submit information as listed in Section M, Rule 8 plus additional information of all registered wells, test holes, and all surface water rights in a two mile radius of the proposed water use as specified on the variance request form. In addition to the seventy five dollar variance filing fee, the applicant must submit a two hundred and fifty dollar fee for District review.

(d) Class four variance is required on all high capacity wells that pump greater than fifty gallons per minute with an expected total annual water use equal to or greater than 300 acre feet per year, regardless of the number of irrigated acres. Class four variance requests are required for point source groundwater users that seek to collectively supply groundwater equal to or greater than 300 acre feet per year to a single facility or operation. Applicant must submit information listed in Section M, Rule 8 plus additional information of all registered wells, test holes, and all surface water rights in a five mile radius of the proposed water use, perform an District approved aquifer pump test, and perform a groundwater model using MODFLOW software or a similar software program approved by the District as specified on the water well permit application form. In addition to the seventy five dollar variance filing fee, the applicant must submit a five hundred dollar fee for District review.

(e) If variance request for a new water well is conditionally approved or fully approved by the District, the applicant will still need to apply for and received District approval for a water well permit before construction of the well. Fee for District review of Class three and Class four new water well permits in Stay management areas will be waived for payments received for District approved Class three and Class four new well variances.

(f) For purposes of determining the capacity in gallons per minute and expected total annual water use, the District may consider other water sources that the new well will be commingled, combined, clustered, or joined with in making such calculations (e.g., if the use previously had a Class three status and the new well increases the expected total annual water use to be equal to or greater than 300 acre feet per year, the application will be treated as a Class four variance request).

### **Rule 8 Review of Variance Application**

District review of any variance request will be based, in part, on a point system evaluation, which will consider offsets such as retiring other acres or water use, or the reuse of water from industries, municipalities or other potential sources where water can be reused. District review will also be based on discretionary factors, including but not limited to, whether the variance request would promote the health and welfare of the District by contributing to the conservation, protection, development, and sound management of natural resources in the District.

### **Rule 9 Conditional Approval of Variance Application**

(1) For an expanded water use variance from an existing water source, the landowner has 90 days following conditional approval by the Board to update County assessor records, submit records to the Department of Natural Resources (DNR) to update DNR well registration data base for new irrigated acres, and comply with any additional conditions required by the District. Conditional approval will expire in 90 days from date of issuance by the LPNNRD Board if these conditions are not met.

(2) For a new water well variance, the landowner or well owner has 90 days following conditional approval by the Board to submit a LPNNRD water well permit form to the District, and comply with any additional conditions required by the District. Information listed on the water well permit must agree with information listed on the new water variance or the variance request and well permit will be denied. Conditional approval will expire in 90 days from date of issuance by the LPNNRD Board if these conditions are not met.

(3) When the conditions of the variance have been satisfied and approved by the LPNNRD within 90

days of issuance, then the 'conditionally approved variance' shall become an 'approved variance'. If these conditions have not been met, then the 'conditionally approved variance' will lapse and the landowner will need to submit a new variance request.

(4) When an 'approved variance' is granted by the District, then water users must install a flow meter and report water pumped annually in acre-inches per year or total gallons per year on LPNNRD approved forms by December 15 of each following year.

#### **Rule 10 Approved Variance and Annual Review by the District**

(1) For an approved expanded water use variance from an existing water source, additional water use must be put to use within a one-year period following the District's approval of the variance and comply with any additional conditions required by the District. The District may grant an exception for good cause shown, such as abundant rainfall received on new or expanded irrigated acres when actual irrigation would not be necessary.

(2) For an approved new water well variance and approved new water well permit, the landowner has 90 days following the completion of the new well to update County assessor records, submit well registration to DNR to update the well registration data base, comply with Section E, Rule 4 and 5, and comply with any additional conditions required by the District. The District may grant an exception for good cause shown.

(3) When an approved variance is granted by the District, then water users must install a flow meter and report water pumped annually in acre-inches per year or total gallons per year on LPNNRD approved forms by December 15 of each following year and comply with any additional conditions required by the District.

(4) The approved variance will be subject to annual renewal by the District. If the District believes the variance should not be renewed, the District will inform the landowner with at least a 45 day notice stating the intentions of the District and allowing the landowner to request a hearing before the Board of Directors within that time limit.

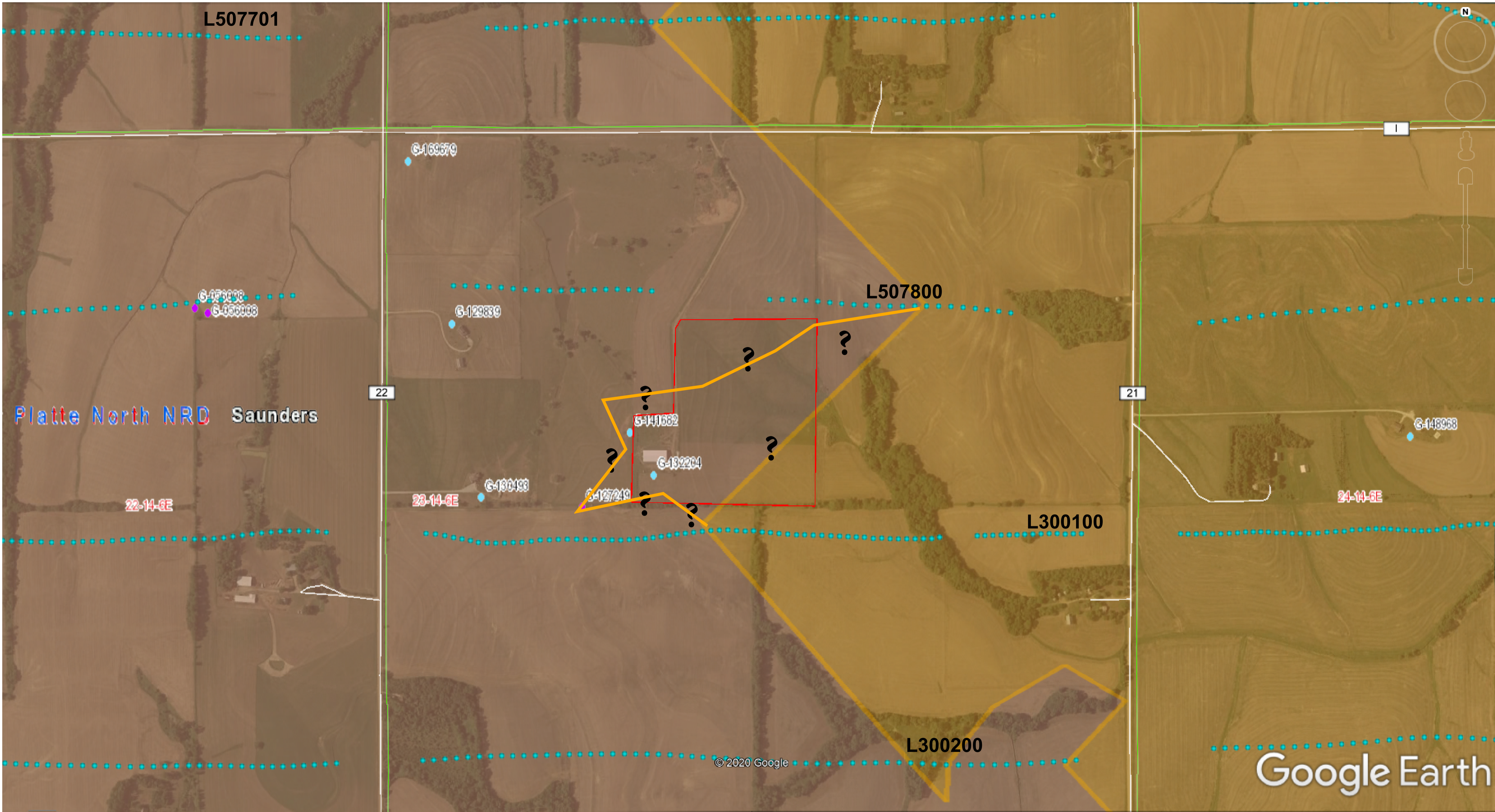
#### **Rule 11 Cancellation of Approved Variance**

The District may cancel or void an approved variance at any time if the Board finds violation of the District's rules and regulations, including the failure to submit annual reporting information required by Section M, Rule 9(4) or Rule 10(3).

#### **Rule 12 Variance and/or Water Well Permit for Sub-Irrigated Ground**

If loss of sub-irrigation should occur on ground certified by the District as sub-irrigated, the landowner and/or operator may apply to the District for a variance request and/or water well permit without the required offsets to install an irrigation well provided that water will be applied to the same location, field, parcel, tract or legal description, the same number of acres and the crop type must remain the same as was previously certified as sub-irrigated. Sub-irrigated ground is non-transferrable.

# Map with Flight Lines and Registered Wells



## Legend

- 2018 AEM Flight Data Dot
- ▭ aquifer depicted on flight lines
- ▭ Glacial till deposits
- ▭ Site

## Nebraska Groundwater Wells

- Domestic
- Irrigation

## Registered well in Section 23 T14N R6E

Registration# Well ID Permit Number	Use Status	County Name NRD Name Well Location Footage Latitude Longitude	Completion Date Filing Date Decommission Date Times Replaced Online Registration ID (NOLID)	Acres Irrigated Gallons/Minute Static Level Pumping Level Series	Pump Column Diameter Pump Depth Well Depth	Owner's Name Owner's ID Address
G-132204 WellID: 165394 <a href="#">View Details</a> <a href="#">View Logs</a> <a href="#">View Scans</a>	D I	Saunders Lower Platte North 14N 6E 23 SENW 2480N 1896W <a href="#">Map It</a> 41°10' 10.740" -96°42' 35.940"	10/27/2004 2/1/2005  ---	--- --- 161 ft 125 ft PRO	--- --- 190 ft	Matt Greenquist OwnerID: 80279 659 West 7th Wahoo NE 68086

1378 ground

### Registration Number G-132204, Well ID 165394

#### Geo Logs

FromDepth	ToDepth	Description	Color	Density	Composition
0	2	topsoil			Other
2	30	brown clay			Other
30	50	lt gray brown clay			Other
50	96	med brown clay			Other
96	98	gray clay			Other
98	104	coarse sand & gravel			Other
104	110	clay brown & gray			Other
110	124	med gray clay			Other
124	131	sand layer			Other
131	136	clay gray			Other
136	140	sand med & coarse lt reddish			Other
140	155	coarse sand & fine gravel nicer reddish			Other
155	185	fine reddish gravel - nice tight			Other
185	193	coarse sand			Other
193	198	reddish gravel - tight			Other
198	209	greenish coarse sand & gravel			Other

1280

1274

1242

1169

reported water level is in here

73ft sand to gravel

#### Casing and Screen

FromDepth	ToDepth	CaseOrScreen	InsideDiam	OutsideDiam	CaseThickness	Material	ScrnSlotSize	ScreenTname	ScrnGuides	SubTableNo
0	170	casing	4	4.5	0.25	PVC		Eagle		1
170	190	screen	4	4.5	0.25	PVC	0.018	Titan		1

#### Grout and Gravel

FromDepth	ToDepth	GroutOrGravel	Material	Quantity	Volume	SubTableNo
6	11	grout	chunk bentonite			1
160	190	gravel	B-pack			1

## Registered well in Section 23 T14N R6E

Registration# Well ID Permit Number	Use Status	County Name NRD Name Well Location Footage Latitude Longitude	Completion Date Filing Date Decommission Date Times Replaced Online Registration ID (NOLID)	Acres Irrigated Gallons/Minute Static Level Pumping Level Series	Pump Column Diameter Pump Depth Well Depth	Owner's Name Owner's ID Address
G-141682 WellID: 179174 <a href="#">View Details</a> <a href="#">View Logs</a> <a href="#">View Scans</a>	D I	Saunders Lower Platte North 14N 6E 23 SENW 2175N 1729W <a href="#">Map It</a> 41°10' 13.740" -96°42' 38.160"	9/23/2005 9/14/2006  115816855121510	--- --- 155 ft 175 ft PRO	--- --- 215 ft	Roger E Harders OwnerID: 35021 1775 County Road M Wahoo NE 68066

### Registration Number G-141682, Well ID 179174

1375 ft elev ground

#### Geo Logs

FromDepth	ToDepth	Description	Color	Density	Composition
0	2	TOPSOIL			Other
2	108	BROWN CLAY, SLIGHT ROCK @ 54' & 94'			Other
108	108.5	HARD CLAY LAYER			Other
108.5	140	COARSE LIGHT REDDISH SAND			Other
140	190	FINE & MEDIUM GRAVEL & COARSE SAND			Other
190	195	GREY CLAY			Other
195	207	DARK GREY CLAY			Other
207	215	MEDIUM-COARSE GREENISH GREY SAND			Other
215	226	GREY CLAY			Other
226	231	BROWN CLAY SHALE			Other

1266.5

82.5 sand to gravel  
ONLY 25 ft saturated

1185

1168

1160

1149

reported water level is in here

confined

8 ft m-c sand

#### Casing and Screen

FromDepth	ToDepth	CaseOrScreen	InsideDiam	OutsideDiam	CaseThickness	Material	ScrnSlotSize	ScreenTname	ScrnGuides	SubTableNo
0	150	casing	4	4.5	0.25	PVC		EAGLE		1
150	190	screen	4	4.5	0.25	PVC	0.032	TITAN		1
190	205	casing	4	4.5	0.25	PVC		EAGLE		1
205	215	screen	4	4.5	0.25	PVC	0.018	TITAN		1

#### Grout and Gravel

FromDepth	ToDepth	GroutOrGravel	Material	Quantity	Volume	SubTableNo
6	11	grout	CHUNK BENTONITE			1
11	200	gravel	80% #10			1
200	215	gravel	B-PACK			1

# Registered well in Section 23 T14N R6E

## NEAREST IRRIGATION WELL

Registration# Well ID Permit Number	Use Status	County Name NRD Name Well Location Footage Latitude Longitude	Completion Date Filing Date Decommission Date Times Replaced Online Registration ID (NOLID)	Acres Irrigated Gallons/Minute Static Level Pumping Level Series	Pump Column Diameter Pump Depth Well Depth	Owner's Name Owner's ID Address
G-127249 WellID: 158455 LPN-004529 <a href="#">View Details</a> <a href="#">View Logs</a> <a href="#">View Scans</a>	I A	Saunders Lower Platte North 14N 6E 23 NESW 2605S 1388W <a href="#">Map It</a> 41°10' 8.500" -96°42' 42.600"	4/22/2004 5/10/2004  10837911112991	98 750 gpm 154 ft 178.5 ft PRO	8.62 in 200 ft 215 ft	Don Fiedler OwnerID: 78820 980 County Road W 1174 Fremont NE 68025

### Registration Number G-127249, Well ID 158455

1377 ft elev ground

#### Geo Logs

FromDepth	ToDepth	Description	Color	Density	Composition
0	2	Top soil			Other
2	25	Brown clay			Other
25	35	Light yellow brown clay w/some limestone			Other
35	49	Gray brown clay			Other
49	65	Harder brown clay, sticky			Other
65	105	Gray brown clay w/some limestone, small rock @ 90'			Other
105	115	Gray brown clay & gray clay, small rock @ 110' & 115'			Other
115	150	Gray clay, sticky			Other
150	154	Gravel			Other
154	170	Clay gray/touch clay			Other
170	195	Med reddish gravel-tight			Other
195	205	Coarse gravel, tight greenish red			Other
205	211	Med small reddish green gravel			Other
211	231	Gray clay			Other

#### Casing and Screen

FromDepth	ToDepth	CaseOrScreen	InsideDiam	OutsideDiam	CaseThickness	Material	ScrnSlotSize	ScreenTname	ScrnGuides	SubTableNo
0	170	casing	14.74	16	0.616	26 SDR PVC				1
170	215	screen	14.74	16	0.616	26 SDR PVC	0.085	CertainTeed		1

#### Grout and Gravel

FromDepth	ToDepth	GroutOrGravel	Material	Quantity	Volume	SubTableNo
0	10	gravel	Gravel			1
10	13	grout	Bentonite chunks			1
13	215	gravel	Gravel			1

## Registered well in Section 23 T14N R6E

Registration# Well ID Permit Number	Use Status	County Name NRD Name Well Location Footage Latitude Longitude	Completion Date Filing Date Decommission Date Times Replaced Online Registration ID (NOLID)	Acres Irrigated Gallons/Minute Static Level Pumping Level Series	Pump Column Diameter Pump Depth Well Depth	Owner's Name Owner's ID Address
G-129839 WellID: 162050 <a href="#">View Details</a> <a href="#">View Logs</a> <a href="#">View Scans</a>	D A	Saunders Lower Platte North 14N 0E 23 SWNW 1398N 489W <a href="#">Map It</a> 41°10' 21.360" -96°42' 54.720"	4/15/2004 9/17/2004  ---	--- 12 gpm 160 ft 180 ft PRO	1.25 in 200 ft 244 ft	Matt Blanchard OwnerID: 84182 PO Box 303 Ceresco NE 68017

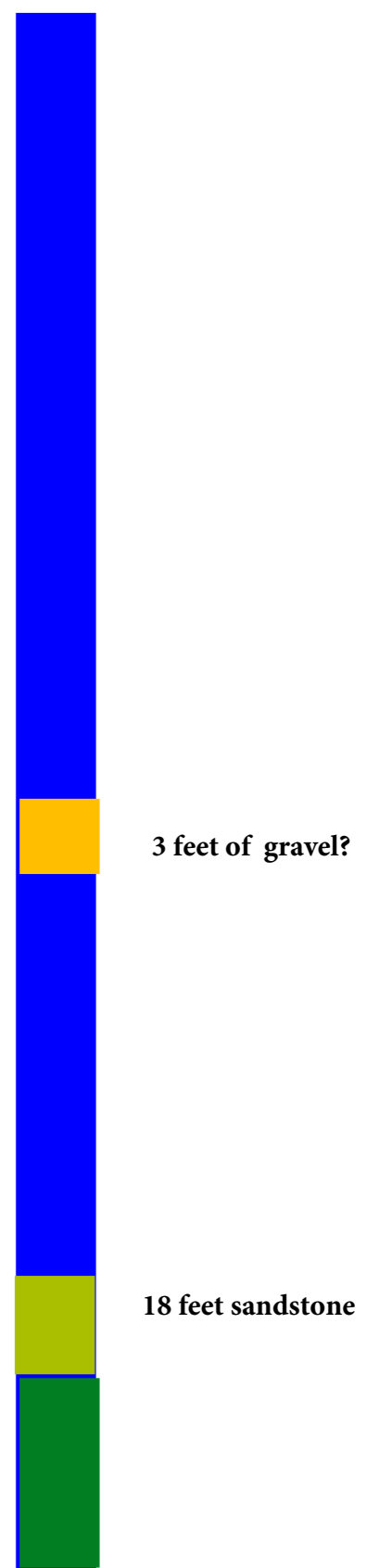
### Registration Number G-129839, Well ID 162050

1380 elev ground

#### Geo Logs

FromDepth	ToDepth	Description	Color	Density	Composition
0	2	topsoil			Other
2	35	brown clay slight rock @31' & 61'			Other
35	75	med lt gray brown orange crunchy @40-42'			Other
75	95	gray clay			Other
95	150	soft gray clay - slightly sticky gravelly clay @125'			Other
150	165	very sticky clay			Other
165	187	gray clay			Other
187	190	coarse gravel reddish gray w/a few rocks			Other
190	194	gray clay w/a few thin gravel layers			Other
194	210	gray clay			Other
210	225	light gray brown crunchy clay			Other
225	235	brown crunchy clay			Other
235	253	sandstone			Other
253	258	crunchy brown shale			Other
258	261	lt gray/reddish shale			Other

limited thickness



#### Casing and Screen

FromDepth	ToDepth	CaseOrScreen	InsideDiam	OutsideDiam	CaseThickness	Material	ScrnSlotSize	ScreenTname	ScrnGuides	SubTableNo
0	174	casing	4	4.5	0.25	pvc		Eagle		1
174	184	screen	4	4.5	0.25	pvc	0.032	Titan		1
184	224	casing	4	4.5	0.25	pvc		Eagle		1
224	244	screen	4	4.5	0.25	pvc	0.018	Titan		1

#### Grout and Gravel

FromDepth	ToDepth	GroutOrGravel	Material	Quantity	Volume	SubTableNo
0	10	grout	chunk bentontie			1
10	215	gravel	80% #10			1
215	244	gravel	B-pack			1

## Registered well in Section 23 T14N R6E


Registration# Well ID Permit Number	Use Status	County Name NRD Name Well Location Footage Latitude Longitude	Completion Date Filing Date Decommission Date Times Replaced Online Registration ID (NOLID)	Acres Irrigated Gallons/Minute Static Level Pumping Level Series	Pump Column Diameter Pump Depth Well Depth	Owner's Name Owner's ID Address
G-130493 WellID: 162913 <a href="#">View Details</a> <a href="#">View Logs</a> <a href="#">View Scans</a>	D A	Saunders Lower Platte North 14N 06E 23 SWNW 2631N 073W <a href="#">Map It</a> 41°10' 9.180" -96°42' 51.960"	9/21/2004 10/29/2004 --	-- 15 gpm 167 ft 180 ft PRO	1.25 in 220 ft 245 ft	Joe Kenter OwnerID: 111711 1815 North Locust Street East Moline IL 61244

### Registration Number G-130493, Well ID 162913

1388 ground elev

#### Geo Logs

FromDepth	ToDepth	Description	Color	Density	Composition
0	2	topsoil			Other
2	41	brown clay			Other
41	52	lt brown clay limestone @ 44' - sticky			Other
52	70	lt gray clay small rocks @ 47', @ 63', @ 71'			Other
70	86	gray brown clay sticky			Other
86	97	med brown clay w/gray sticky			Other
97	135	med gray clay soft & sticky			Other
135	211	gray clay gravelly			Other
211	220	med sand			Other
220	265	med-coarse sand		confined	Other
265	276	yellow clay			Other



54 feet of sat. sand

#### Casing and Screen

FromDepth	ToDepth	CaseOrScreen	InsideDiam	OutsideDiam	CaseThickness	Material	ScrnSlotSize	ScreenTname	ScrnGuides	SubTableNo
0	225	casing	4	4.5	0.25	pvc		eagle		1
225	245	screen	4	4.5	0.25	pvc	0.018	titan		1

#### Grout and Gravel

FromDepth	ToDepth	GroutOrGravel	Material	Quantity	Volume	SubTableNo
6	11	grout	chunk bentonite			1
220	245	gravel	b pack			1

## Registered well in Section 23 T14N R6E

Registration# Well ID Permit Number	Use Status	County Name NRD Name Well Location Footage Latitude Longitude	Completion Date Filing Date Decommission Date Times Replaced Online Registration ID (NOLID)	Acres Irrigated Gallons/Minute Static Level Pumping Level Series	Pump Column Diameter Pump Depth Well Depth	Owner's Name Owner's ID Address
G-169679 WellID: 228037 <a href="#">View Details</a> <a href="#">View Logs</a> <a href="#">View Scans</a>	D A	Saunders Lower Platte North 14N 8E 23 NWNW  <a href="#">Map It</a> 41°10' 32.740" -96°42' 58.900"	7/1/2013 11/7/2013  13830681245977	--- 20 gpm 90 ft 100 ft PRO	1.25 in 140 ft 170 ft	Mitch Reeves OwnerID: 125199 2191 County Rd I Weston NE 68070

### Registration Number G-169679, Well ID 228037

1357 ft elev ground

#### Geo Logs

FromDepth	ToDepth	Description	Color	Density	Composition	
0	2		Brown	Loose	Top Soil	
2	100		Brown	Hard	Clay	
100	150	STRIP OF SAND	Gray	Hard	Clay	
150	175	SMALL GRAVEL	Tan	Hard	Sand med-coarse	

confined

#### Casing and Screen

FromDepth	ToDepth	CaseOrScreen	InsideDiam	OutsideDiam	CaseThickness	Material	ScrnSlotSize	ScreenTname	ScrnGuides	SubTableNo
0	160	casing	4	4.5	0.21	PVC		CRESENT		1
160	170	screen	4	4.5	0.21	PVC	0.016	MONOFLEX		1

#### Grout and Gravel

FromDepth	ToDepth	GroutOrGravel	Material	Quantity	Volume	SubTableNo
5	15	grout	BENONIT	6.6 CUBIC YARDS	BENONIT	1
15	150	gravel	GRAVEL	89.1 CUBIC YARDS	GRAVEL	1
150	160	grout	BENONIT	6.6 CUBIC YARDS	BENONIT	1
160	170	gravel	PACKSAND	6.6 CUBIC YARDS	PACKSAND	1

## Registered well in Section 22 T14N R6E

Registration# Well ID Permit Number	Use Status	County Name NRD Name Well Location Footage Latitude Longitude	Completion Date Filing Date Decommission Date Times Replaced Online Registration ID (NOLID)	Acres Irrigated Gallons/Minute Static Level Pumping Level Series	Pump Column Diameter Pump Depth Well Depth	Owner's Name Owner's ID Address
G-056008 WellID: 63622 <a href="#">View Details</a> <a href="#">View Logs</a> <a href="#">View Scans</a>	I X	Saunders Lower Platte North 14N 6E 22 SENE 1300N 1270E <a href="#">Map It</a>	2/18/1977 4/28/1977 10/1/2004 --	100 1000 gpm 127 ft 160 ft PRO	6 in -- 208 ft	LaVerne Kadavy OwnerID: 77172 2883 County Road M Weston NE 68070
G-056008 WellID: 159164 LPN-004538 <a href="#">View Details</a> <a href="#">View Logs</a> <a href="#">View Scans</a>	I A	Saunders Lower Platte North 14N 6E 22 NENE  <a href="#">Map It</a> 41°10' 22.410" -96°43' 18.660"	5/26/2004 7/13/2004  1 --	96 700 gpm 138 ft 160 ft PRO	6 in 180 ft 210 ft	LaVerne Kadavy OwnerID: 77172 2883 County Road M Weston NE 68070

### Registration Number G-056008, Well ID 63622

### abandoned log

Geo Logs

FromDepth	ToDepth	Description	Color	Density	Composition
0	3	TOP SOIL			Other
3	60	YELLOW CLAY			Other
60	135	BLUE CLAY			Other
135	145	SAND			Other
145	149	BLUE CLAY			Other
149	180	MEDIUM GRAVEL			Other
180	184	BLUE CLAY			Other
184	206	SAND AND GRAVEL			Other
206	208	GRAY CLAY			Other

1375 elev

60 feet total sand and gravel thin clay layers between

### Registration Number G-056008, Well ID 159164

### active 700 gpm

Geo Logs

FromDepth	ToDepth	Description	Color	Density	Composition
0	143	clay			Other
143	165	coarse sand			Other
165	181	med gravel			Other
181	191	fine sand			Other
191	198	med sand			Other
198	208	fine sand			Other
208	210	clay			Other

lower thin clay layers not recorded?

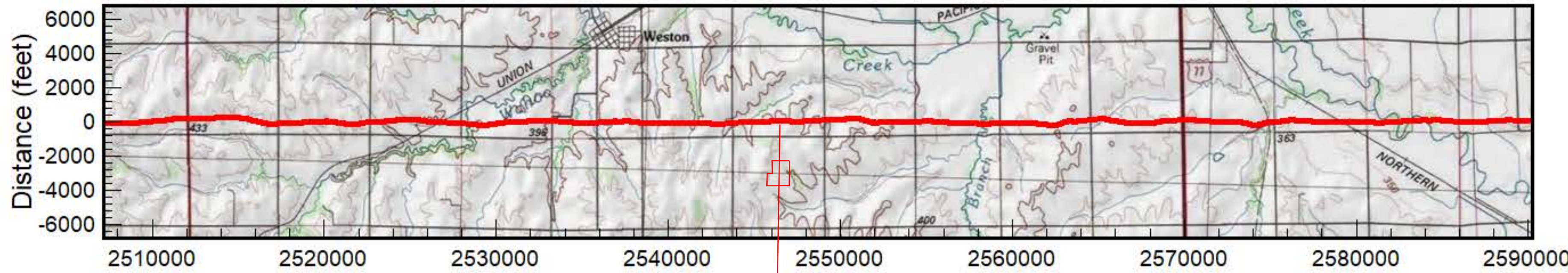
Casing and Screen

FromDepth	ToDepth	CaseOrScreen	InsideDiam	OutsideDiam	CaseThickness	Material	ScrnSlotSize	ScreenTname	ScrnGuides	SubTableNo
0	150	casing	14.696	16	0.615	pvc		certainteed		1
150	210	screen	14.696	16	0.615	pvc	0.04	certainteed		1

Grout and Gravel

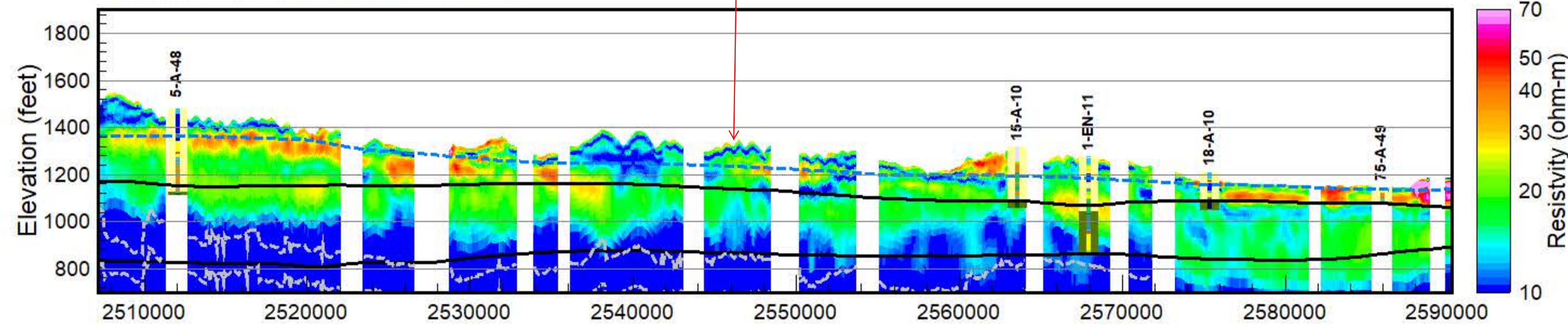
FromDepth	ToDepth	GroutOrGravel	Material	Quantity	Volume	SubTableNo
0	10	grout	native soil / clay			1
10	15	grout	600# holeplug			1
15	210	gravel	gravel			1

### Flight Line Position Line L507701

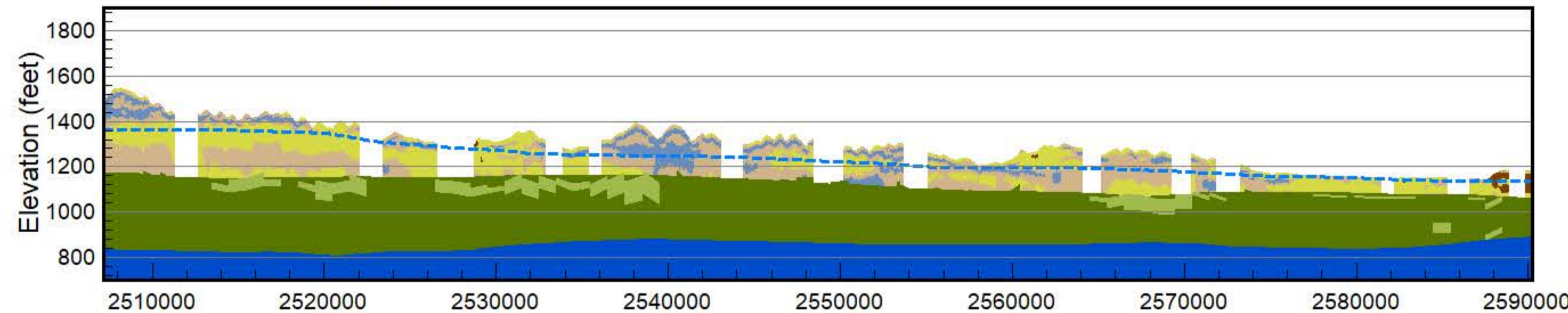


### AEM Inversion Line L507701

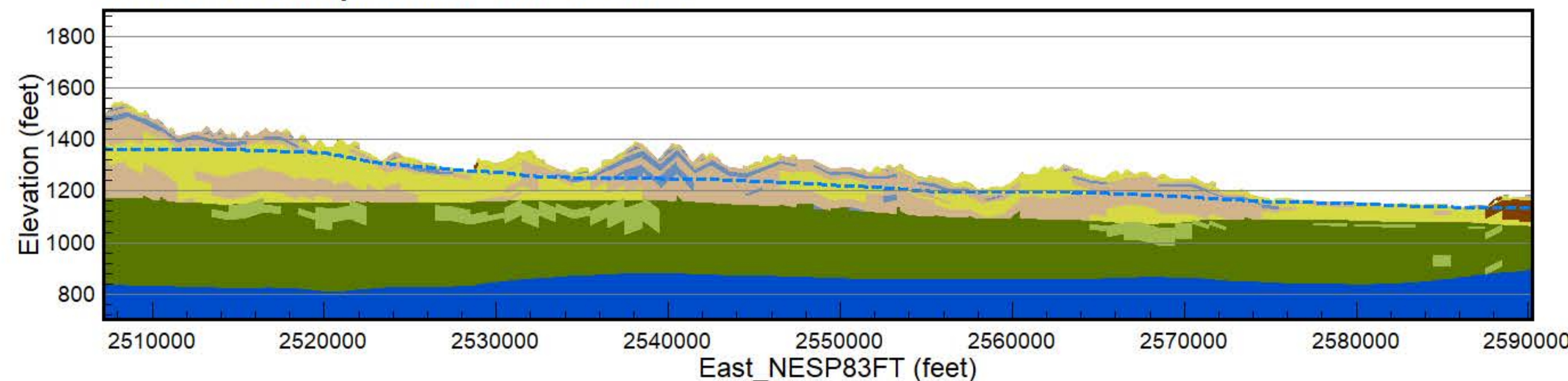
west to east flight line located to the north of the site in Sec 23, T14N R6E



### AEM Interpretation Line L507701



### AEM Voxel Interpretation Line L507701



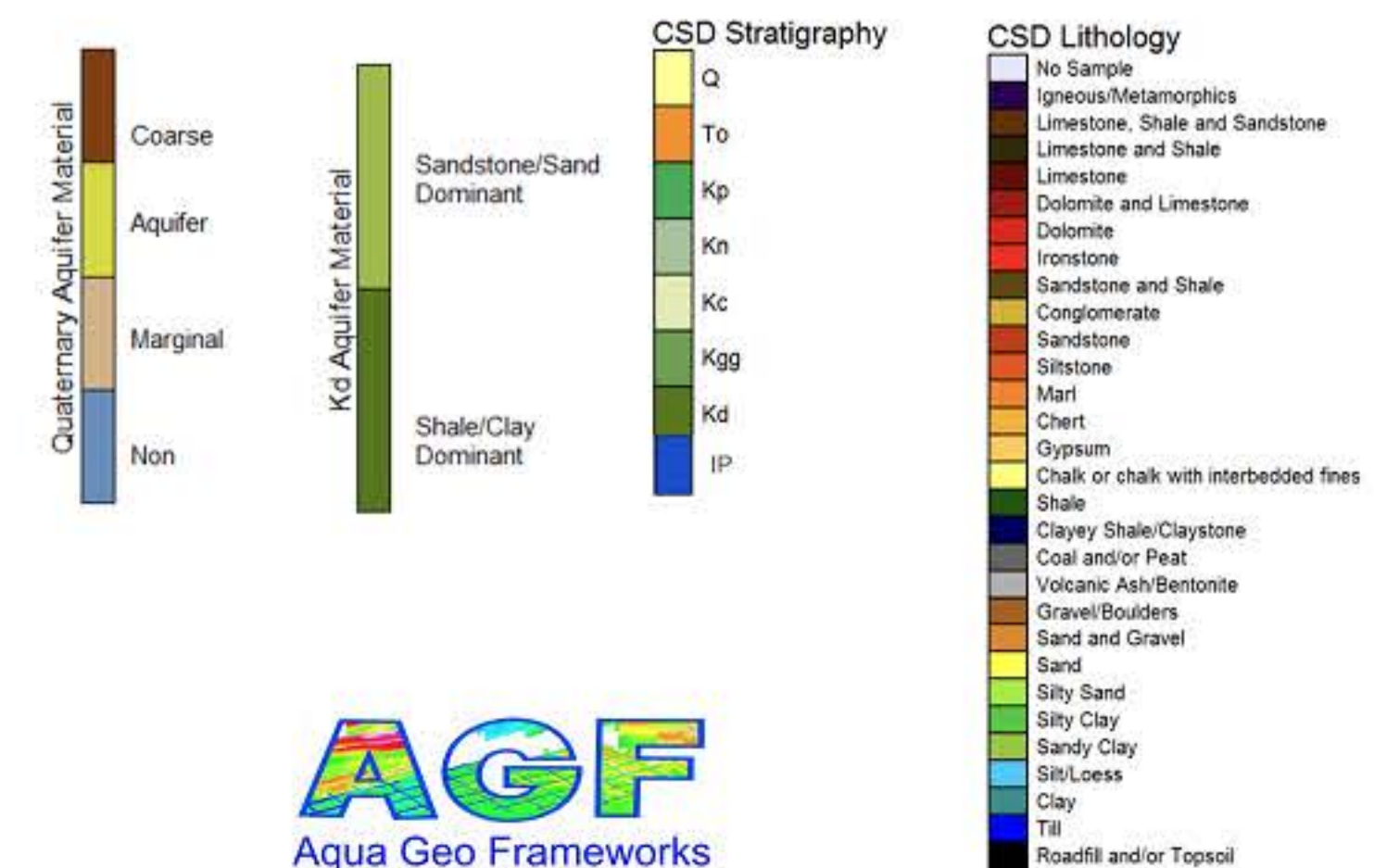
Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Lower Platte North Natural Resources District (LPNNRD) June 22-July 14, 2018. The red line on the Flight Path Map (US Geological Survey 100K Topo) indicates the location of the data collection.

The AEM inversions shown are Spatially-Constrained using the Aarhus Geo Software Workbench version 5.8.3 in the indicated electrical resistivity color scale. Boreholes displayed on the AEM inversion profile are within 1/2 mile of the flight line are from the Conservation Survey Division (CSD) public website downloaded on September 9, 2018. Lithology and stratigraphy are indicated by the legends. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure. To=Tertiary Ogallala Group estimated contact is represented by a dashed-black line. Solid-black lines on the AEM Inversion profile indicate interpreted stratigraphic contacts (Kp=Cretaceous Pierre Shale; Kn=Cretaceous Niobrara Formation; Kc=Cretaceous Carlile Shale; Kgg=Cretaceous Greenhorn Limestone and Graneros Shale; Kd=Cretaceous Dakota Group; and IP=undifferentiated Pennsylvanian formations/groups). The 1995 CSD water table is represented by a dashed blue line.

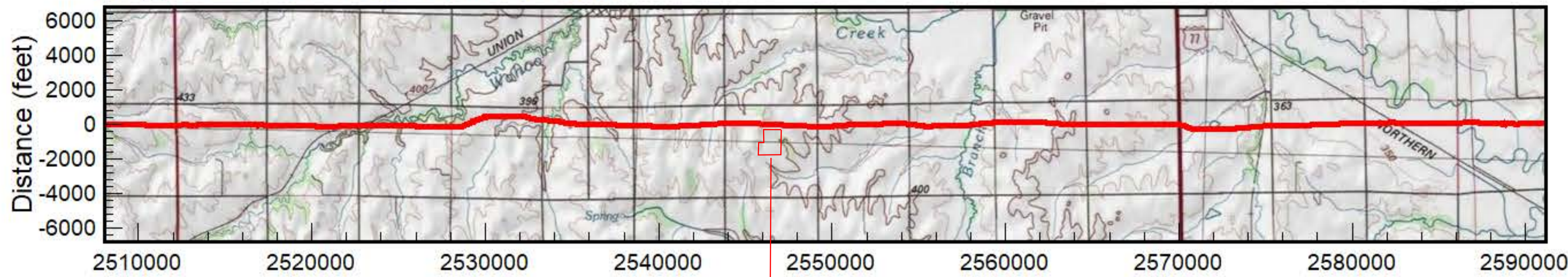
The AEM interpretation profiles shows Q=Quaternary materials classified into the four groups indicated by the legend. Gaps in the quaternary materials are due to electromagnetic coupling or areas that were not flown due to infrastructure. To=Tertiary Ogallala Group estimated contact is represented by a dashed-orange line. Cretaceous units as well as the undifferentiated Pennsylvanian are indicated as continuous formations and are colored as indicated in the legend. The depth extent of the profile is optimized to illustrate the Quaternary materials.

The AEM Voxel Interpolation Profile indicates a 1,000-foot cell size interpolation of the Quaternary materials classified into the four groups indicated by the legend. In addition to the interpreted 1,000-foot cell size interpolation, sand/sandstone-dominant sections of the Cretaceous Dakota Group are indicated in the legend.

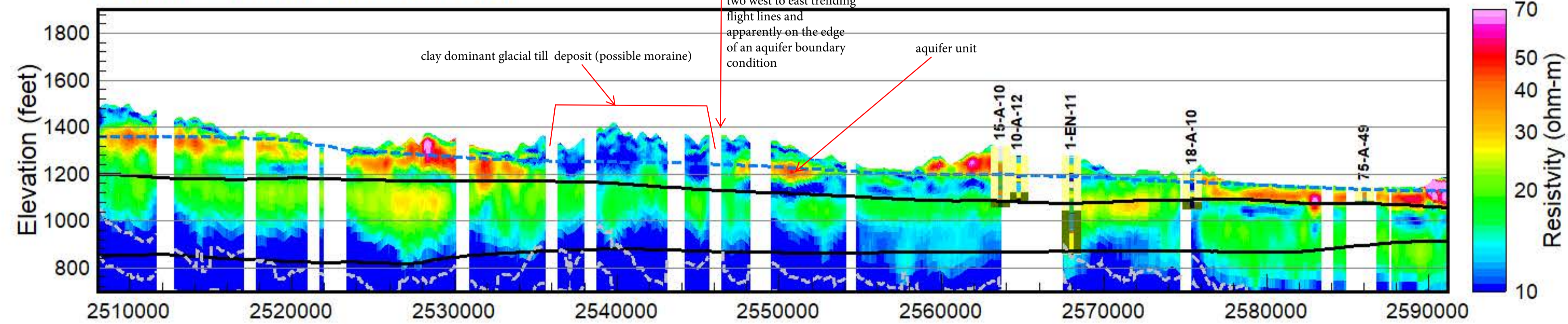
Prepared for the LPNNRD and the Eastern Nebraska Water Resources Assessment (ENWRA) by Aqua Geo Frameworks, LLC.



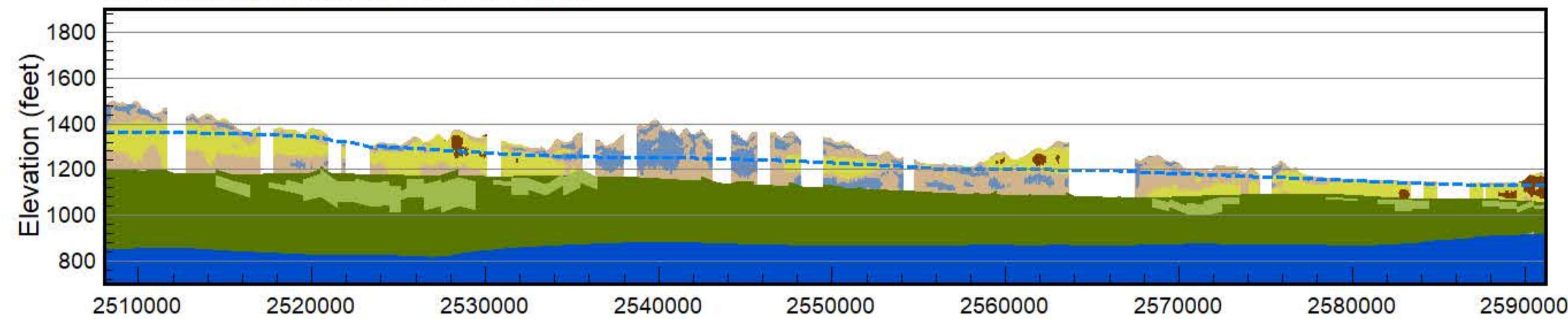
### Flight Line Position Line L507800



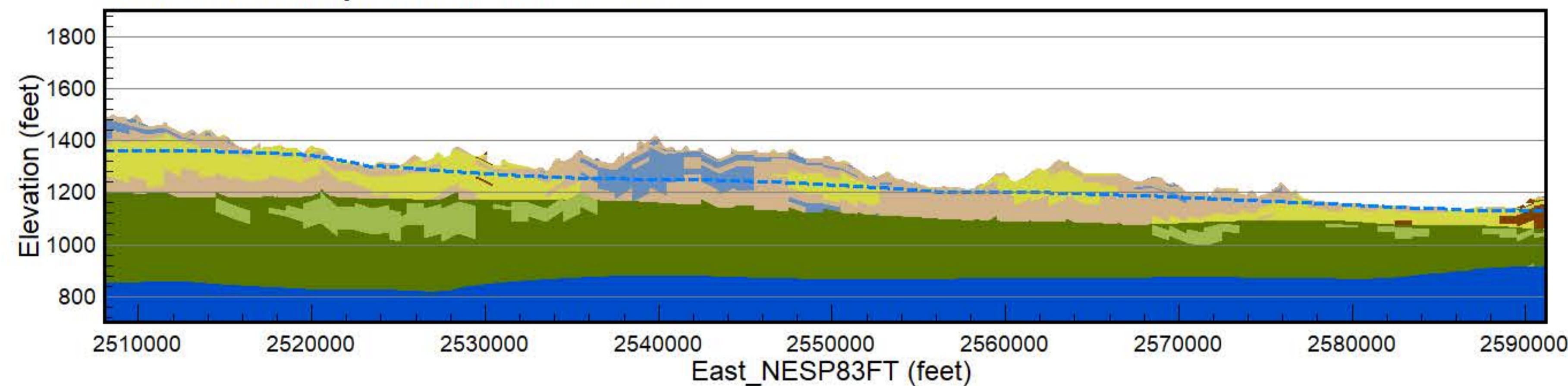
### AEM Inversion Line L507800



### AEM Interpretation Line L507800



### AEM Voxel Interpretation Line L507800



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Lower Platte North Natural Resources District (LPNNRD) June 22-July 14, 2018. The red line on the Flight Path Map (US Geological Survey 100K Topo) indicates the location of the data collection.

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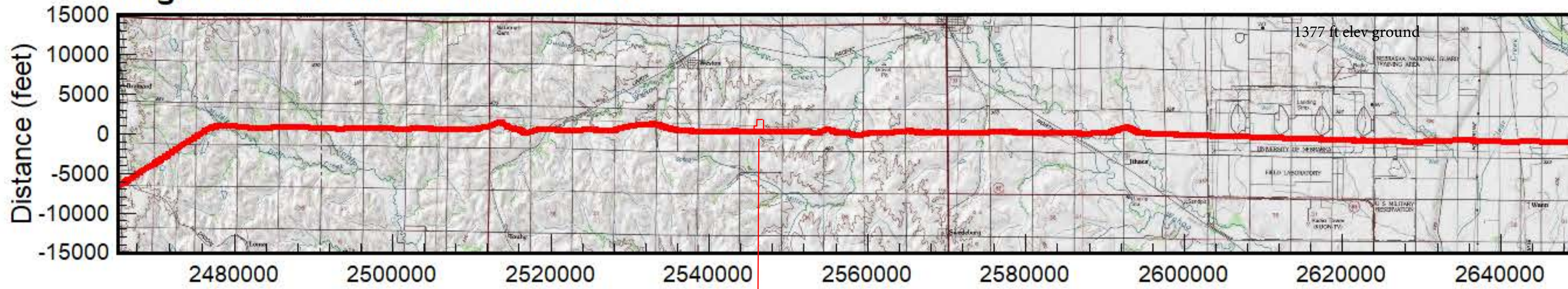
The AEM Voxel Interpolation Profile indicates a 1,000-foot cell size interpolation of the Quaternary materials classified into the four groups indicated by the legend. In addition to the interpreted 1,000-foot cell size interpolation, sand/sandstone-dominant sections of the Cretaceous Dakota Group are indicated in the legend.

Prepared for the LPNNRD and the Eastern Nebraska Water Resources Assessment (ENWRA) by Aqua Geo Frameworks, LLC.

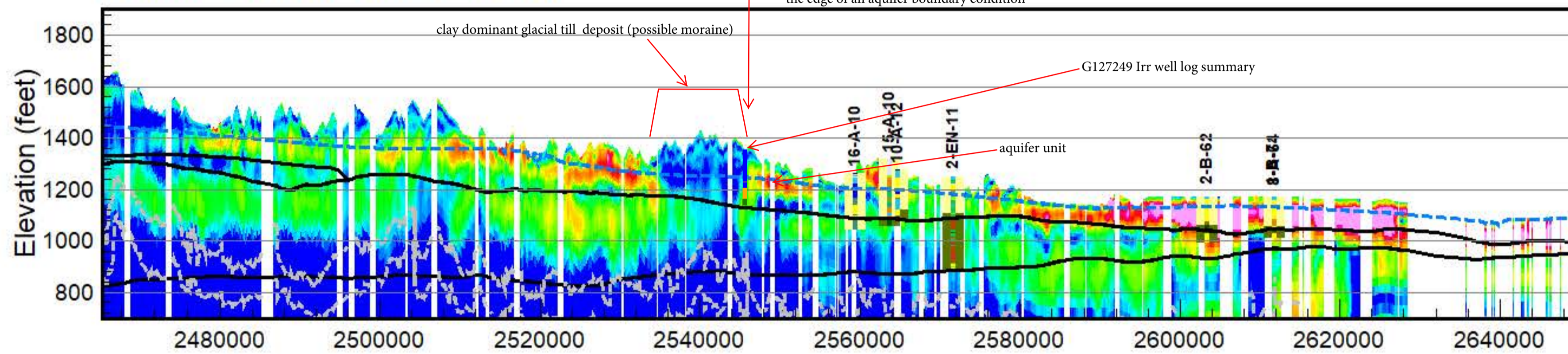
<p><b>Quaternary Aquifer Material</b></p> <ul style="list-style-type: none"> <li>Coarse</li> <li>Aquifer</li> <li>Marginal</li> <li>Non</li> </ul>	<p><b>Kd Aquifer Material</b></p> <ul style="list-style-type: none"> <li>Sandstone/Sand Dominant</li> <li>Shale/Clay Dominant</li> </ul>	<p><b>CSD Stratigraphy</b></p> <ul style="list-style-type: none"> <li>Q</li> <li>To</li> <li>Kp</li> <li>Kn</li> <li>Kc</li> <li>Kgg</li> <li>Kd</li> <li>IP</li> </ul>	<p><b>CSD Lithology</b></p> <ul style="list-style-type: none"> <li>No Sample</li> <li>Igneous/Metamorphics</li> <li>Limestone, Shale and Sandstone</li> <li>Limestone and Shale</li> <li>Limestone</li> <li>Dolomite and Limestone</li> <li>Dolomite</li> <li>Ironstone</li> <li>Sandstone and Shale</li> <li>Conglomerate</li> <li>Sandstone</li> <li>Siltstone</li> <li>Marl</li> <li>Chert</li> <li>Gypsum</li> <li>Chalk or chalk with interbedded fines</li> <li>Shale</li> <li>Clayey Shale/Claystone</li> <li>Coal and/or Peat</li> <li>Volcanic Ash/Bentonite</li> <li>Gravel/Boulders</li> <li>Sand and Gravel</li> <li>Sand</li> <li>Silty Sand</li> <li>Silty Clay</li> <li>Sandy Clay</li> <li>Silt/Loess</li> <li>Clay</li> <li>Till</li> <li>Roadfill and/or Topsoil</li> </ul>
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**AGF**  
Aqua Geo Frameworks

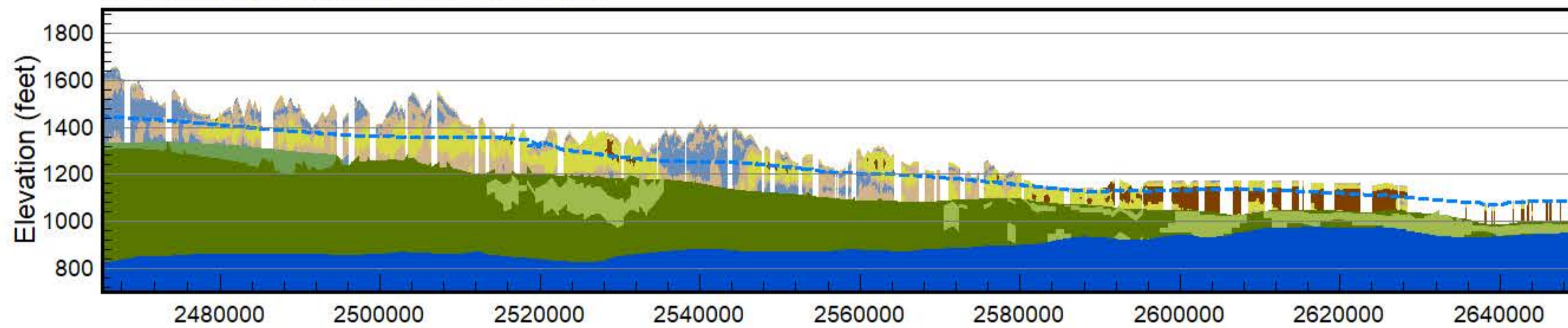
### Flight Line Position Line L300100



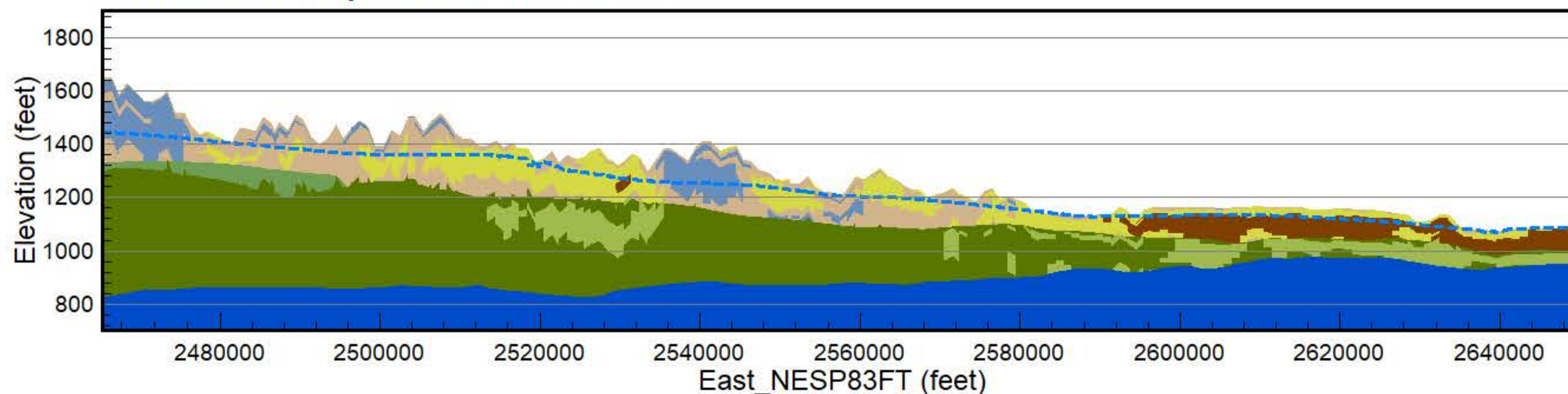
### AEM Inversion Line L300100



### AEM Interpretation Line L300100



### AEM Voxel Interpretation Line L300100



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Lower Platte North Natural Resources District (LPNNRD) June 22-July 14, 2018. The red line on the Flight Path Map (US Geological Survey 100K Topo) indicates the location of the data collection.

The AEM inversions shown are Spatially-Constrained using the Aarhus Geo Software Workbench version 5.8.3 in the indicated electrical resistivity color scale. Boreholes displayed on the AEM inversion profile are within 1/2 mile of the flight line are from the Conservation Survey Division (CSD) public website downloaded on September 9, 2018. Lithology and stratigraphy are indicated by the legends. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure. To=Tertiary Ogallala Group estimated contact is represented by a dashed-black line. Solid-black lines on the AEM Inversion profile indicate interpreted stratigraphic contacts (Kp= Cretaceous Pierre Shale; Kn=Cretaceous Niobrara Formation; Kc= Cretaceous Carlile Shale; Kgg= Cretaceous Greenhorn Limestone and Graneros Shale; Kd= Cretaceous Dakota Group; and IP= undifferentiated Pennsylvanian formations/groups. The 1995 CSD water table is represented by a dashed blue line.

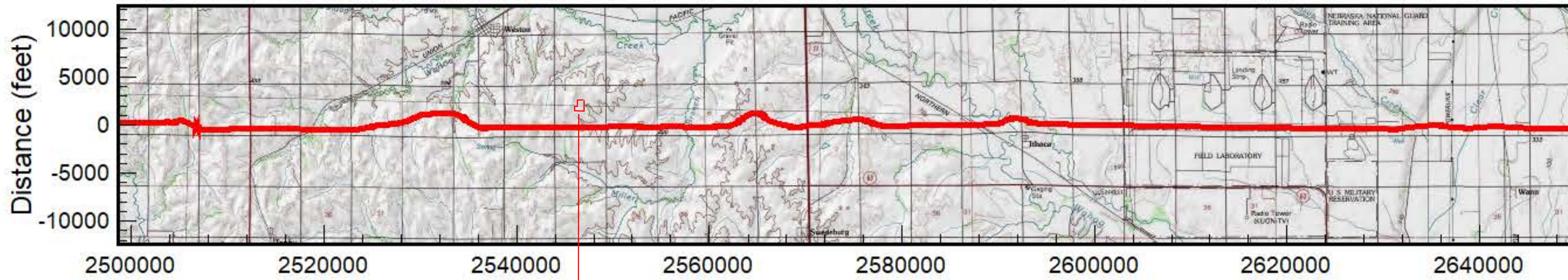
The AEM interpretation profiles shows Q=Quaternary materials classified into the four groups indicated by the legend. Gaps in the quaternary materials are due to electromagnetic coupling or areas that were not flown due to infrastructure. To=Tertiary Ogallala Group estimated contact is represented by a dashed-orange line. Cretaceous units as well as the undifferentiated Pennsylvanian are indicated as continuous formations and are colored as indicated in the legend. The depth extent of the profile is optimized to illustrate the Quaternary materials.

The AEM Voxel Interpolation Profile indicates a 1,000-foot cell size interpolation of the Quaternary materials classified into the four groups indicated by the legend. In addition to the interpreted 1,000-foot cell size interpolation, sand/sandstone-dominant sections of the Cretaceous Dakota Group are indicated in the legend.

Prepared for the LPNNRD and the Eastern Nebraska Water Resources Assessment (ENWRA) by Aqua Geo Frameworks, LLC.

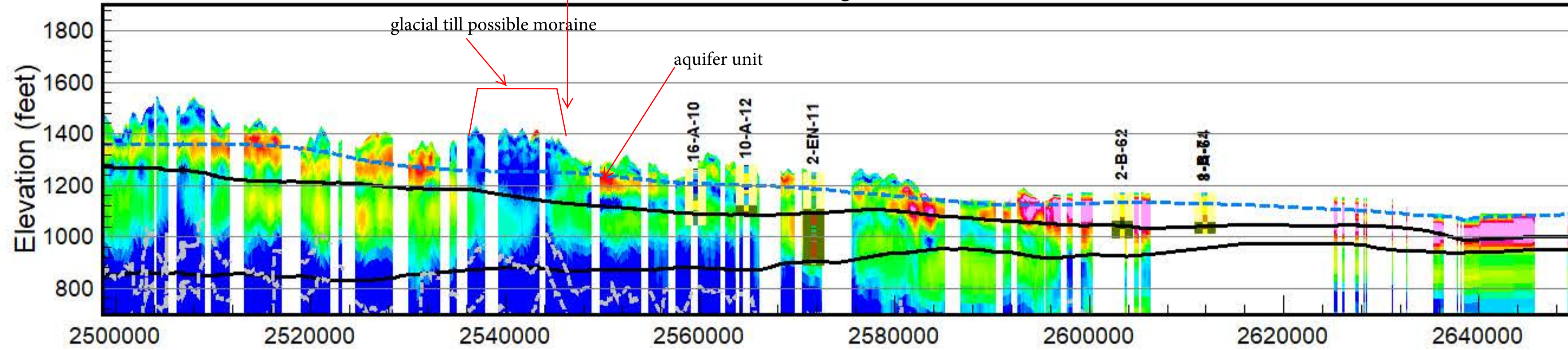
Quaternary Aquifer Material	Coarse	Kd Aquifer Material	Sandstone/Sand Dominant	CSD Stratigraphy	Q	CSD Lithology	No Sample
	Aquifer		Shale/Clay Dominant		To		Igneous/Metamorphics
	Marginal			Kp	Limestone, Shale and Sandstone		
	Non			Kn	Limestone and Shale		
				Kc	Dolomite and Limestone		
				Kgg	Dolomite		
				Kd	Ironstone		
				IP	Sandstone and Shale		
					Conglomerate		
					Sandstone		
					Siltstone		
					Marl		
					Chert		
					Gypsum		
					Chalk or chalk with interbedded fines		
					Shale		
					Clayey Shale/Claystone		
					Coal and/or Peat		
					Volcanic Ash/Bentonite		
					Gravel/Boulders		
					Sand and Gravel		
					Sand		
					Silty Sand		
					Silty Clay		
					Sandy Clay		
					Silt/Loess		
					Clay		
					Till		
					Roadfill and/or Topsoil		

### Flight Line Position Line L300200

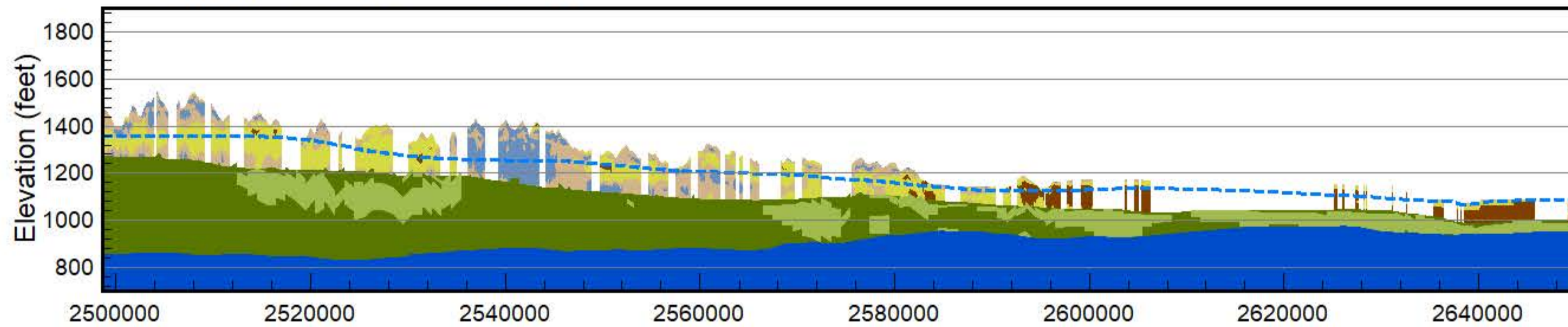


### AEM Inversion Line L300200

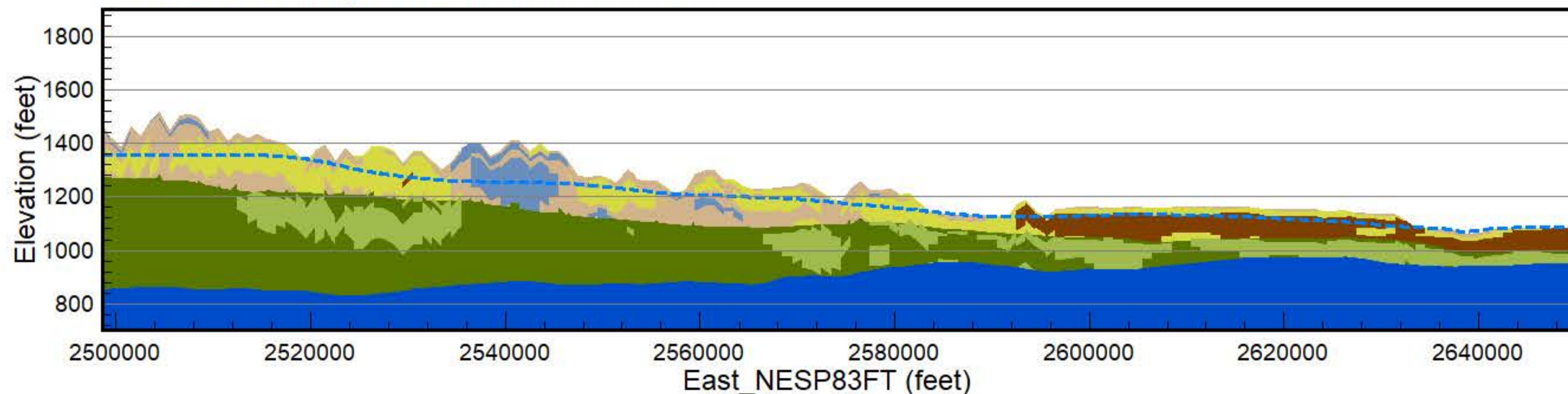
west to east flight line further south of the site



### AEM Interpretation Line L300200



### AEM Voxel Interpretation Line L300200



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Lower Platte North Natural Resources District (LPNNRD) June 22-July 14, 2018. The red line on the Flight Path Map (US Geological Survey 100K Topo) indicates the location of the data collection.

The AEM inversions shown are Spatially-Constrained using the Aarhus Geo Software Workbench version 5.8.3 in the indicated electrical resistivity color scale. Boreholes displayed on the AEM inversion profile are within 1/2 mile of the flight line are from the Conservation Survey Division (CSD) public website downloaded on September 9, 2018. Lithology and stratigraphy are indicated by the legends. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure. To=Tertiary Ogallala Group estimated contact is represented by a dashed-black line. Solid-black lines on the AEM Inversion profile indicate interpreted stratigraphic contacts (Kp= Cretaceous Pierre Shale; Kn=Cretaceous Niobrara Formation; Kc= Cretaceous Carlile Shale; Kgg= Cretaceous Greenhorn Limestone and Graneros Shale; Kd= Cretaceous Dakota Group; and IP= undifferentiated Pennsylvanian formations/groups. The 1995 CSD water table is represented by a dashed blue line.

The AEM interpretation profiles shows Q=Quaternary materials classified into the four groups indicated by the legend. Gaps in the quaternary materials are due to electromagnetic coupling or areas that were not flown due to infrastructure. To=Tertiary Ogallala Group estimated contact is represented by a dashed-orange line. Cretaceous units as well as the undifferentiated Pennsylvanian are indicated as continuous formations and are colored as indicated in the legend. The depth extent of the profile is optimized to illustrate the Quaternary materials.

The AEM Voxel Interpolation Profile indicates a 1,000-foot cell size interpolation of the Quaternary materials classified into the four groups indicated by the legend. In addition to the interpreted 1,000-foot cell size interpolation, sand/sandstone-dominant sections of the Cretaceous Dakota Group are indicated in the legend.

Prepared for the LPNNRD and the Eastern Nebraska Water Resources Assessment (ENWRA) by Aqua Geo Frameworks, LLC.

<p><b>Quaternary Aquifer Material</b></p> <ul style="list-style-type: none"> <li>Coarse</li> <li>Aquifer</li> <li>Marginal</li> <li>Non</li> </ul>	<p><b>Kd Aquifer Material</b></p> <ul style="list-style-type: none"> <li>Sandstone/Sand Dominant</li> <li>Shale/Clay Dominant</li> </ul>	<p><b>CSD Stratigraphy</b></p> <ul style="list-style-type: none"> <li>Q</li> <li>To</li> <li>Kp</li> <li>Kn</li> <li>Kc</li> <li>Kgg</li> <li>Kd</li> <li>IP</li> </ul>	<p><b>CSD Lithology</b></p> <ul style="list-style-type: none"> <li>No Sample</li> <li>Igneous/Metamorphics</li> <li>Limestone, Shale and Sandstone</li> <li>Limestone and Shale</li> <li>Limestone</li> <li>Dolomite and Limestone</li> <li>Dolomite</li> <li>Ironstone</li> <li>Sandstone and Shale</li> <li>Conglomerate</li> <li>Sandstone</li> <li>Siltstone</li> <li>Marl</li> <li>Chert</li> <li>Gypsum</li> <li>Chalk or chalk with interbedded fines</li> <li>Shale</li> <li>Clayey Shale/Claystone</li> <li>Coal and/or Peat</li> <li>Volcanic Ash/Bentonite</li> <li>Gravel/Boulders</li> <li>Sand and Gravel</li> <li>Sand</li> <li>Silty Sand</li> <li>Silty Clay</li> <li>Sandy Clay</li> <li>Silt/Loess</li> <li>Clay</li> <li>Till</li> <li>Roadfill and/or Topsoil</li> </ul>
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Search

Clear

Home

2 Records

## Surface Water Rights - Advanced Search Result

App Number Priority Date Water Division RightID	Use Status Date Can / Dism Downstream	Source POD Facility Name County	Cur Tot Acres Grant Rate GPM	Footnotes Annotation	App Name Additional Names/POD
<a href="#">A-19207</a> 03/14/2014 2B 12895	ST Active  765126	Wahoo Creek Sec: 23 T: 14 R: 6 East <a href="#">MapIt</a> West Limited Farm Pond Saunders	25.25 AF	6	West Limited LLC <a href="#">Additional Names/POD</a>
<a href="#">A-19208</a> 03/14/2014 2B 12896	SO Active  765127	West Limited Farm Pond Sec: 23 T: 14 R: 6 East <a href="#">MapIt</a> Pump Saunders	110.5 25.25 AF		West Limited LLC <a href="#">Additional Names/POD</a>

Showing 1 to 2 of 2 records

RegCD: G-127249

Well #: SW-03

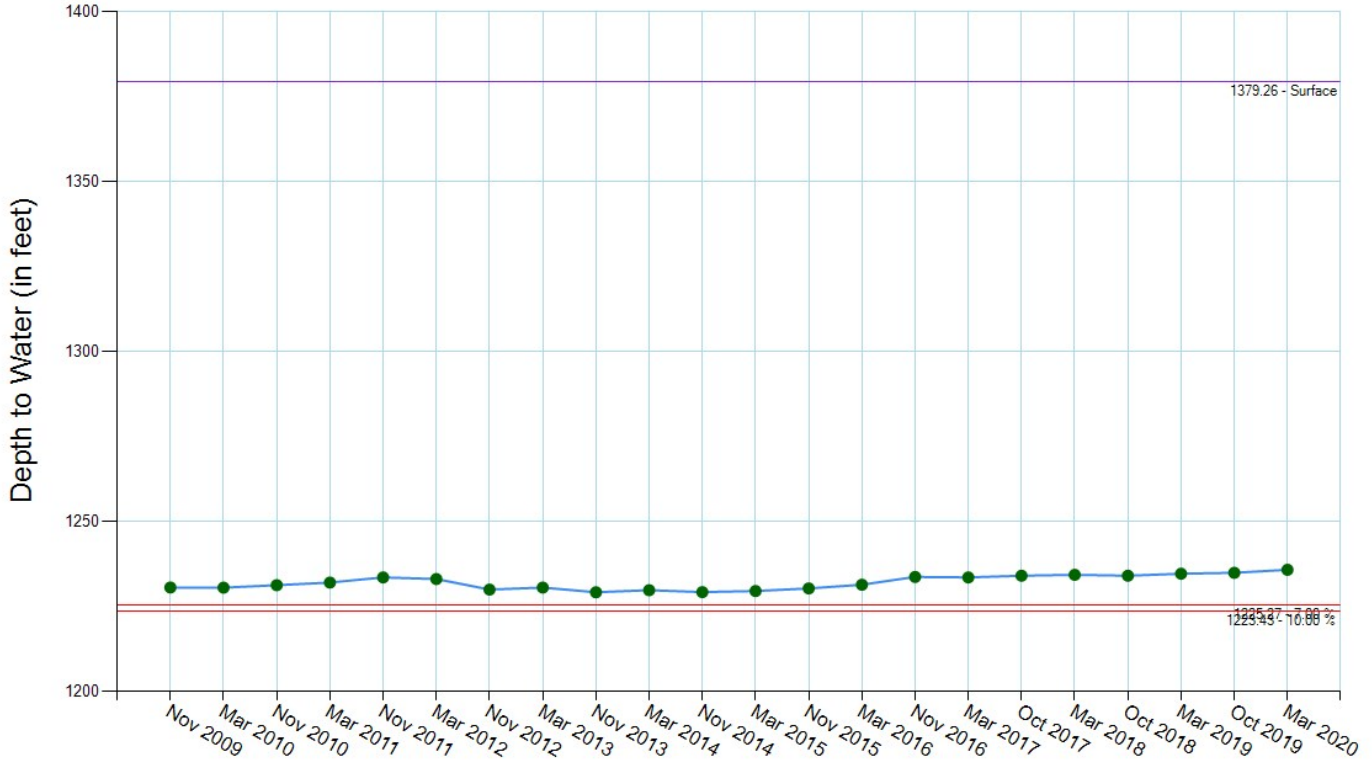
Region: Uplands

County: Saunders

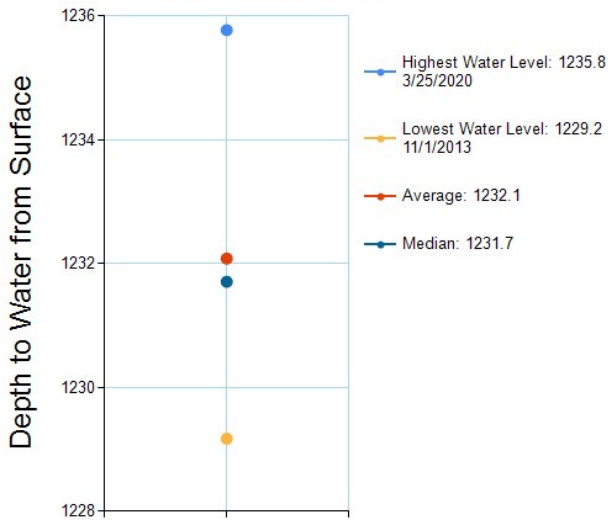
Legal: 14-6E-23

Owner Name: Donald L Fiedler

### Water Level Readings



### Record Results

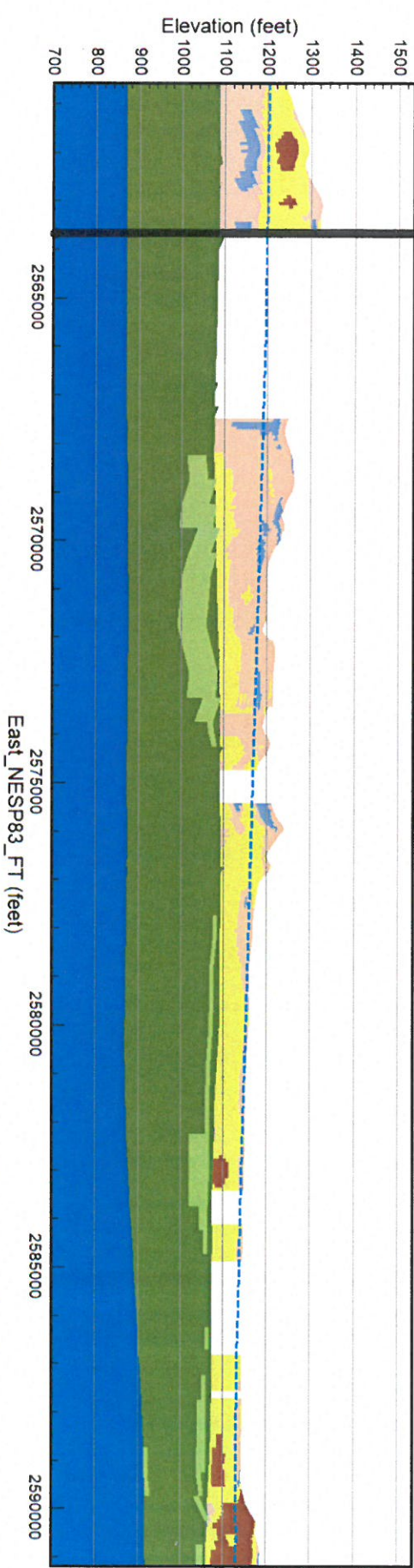
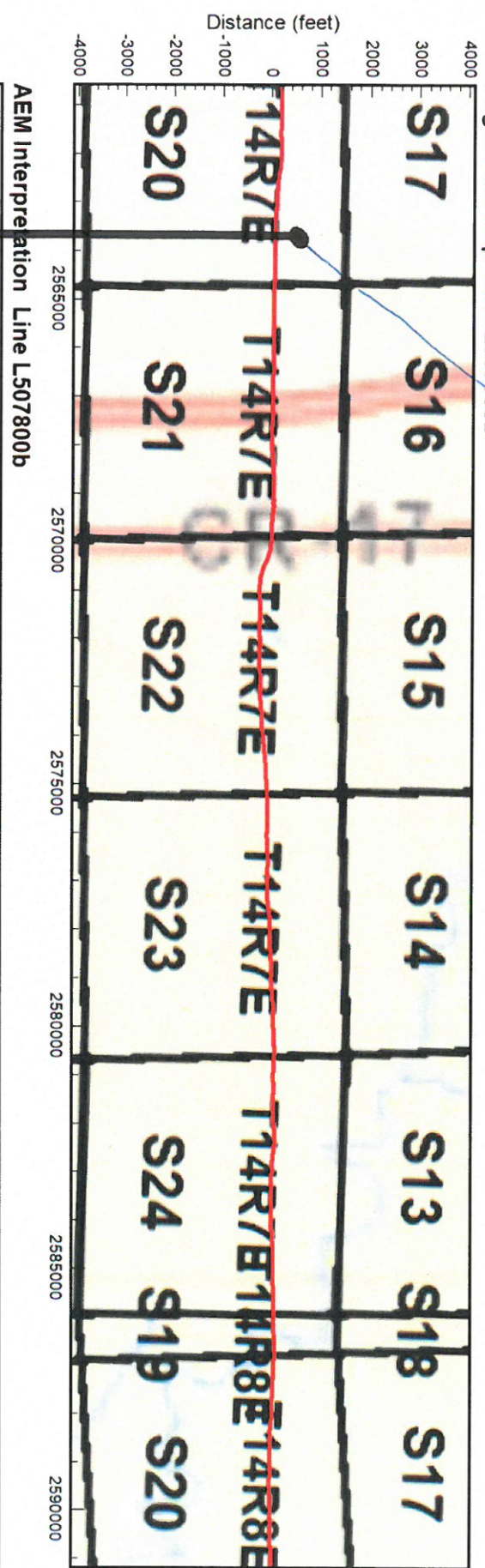


### Historical Readings (date - reading)

11/01/2009 - 1230.6	11/01/2012 - 1230	03/01/2015 - 1229.5	03/22/2018 - 1234.3
03/01/2010 - 1230.5	03/01/2013 - 1230.5	11/01/2015 - 1230.3	10/23/2018 - 1234
11/01/2010 - 1231.3	11/01/2013 - 1229.2	03/01/2016 - 1231.4	03/25/2019 - 1234.6
03/01/2011 - 1232	03/01/2014 - 1229.8	11/01/2016 - 1233.7	10/22/2019 - 1234.9
11/01/2011 - 1233.5	11/01/2014 - 1229.2	03/01/2017 - 1233.5	03/25/2020 - 1235.8
03/01/2012 - 1233.1		10/25/2017 - 1234	

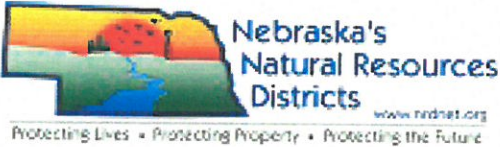
*Well was approved in 2016 in Red Area.*

Flight Path Map Line L507800b



Interpreted geological sections from AEM data and flight path location map provided in conjunction with the Google Earth kmz file. The projected downline distance is equal for the flight path (top image) and the AEM data interpretation (bottom image). The flight path is displayed as a red line on the flight path map. The 1995 Conservation and Survey Division (CSD) water table is shown as a dashed blue line on the AEM data interpretation profile. The Quaternary (Q) section is divided into aquifer material categories as indicated by the legend. The Cretaceous Dakota Group (Kd) is split into Sandstone/Sand dominant and Shale/Clay dominant sections as indicated by the legend. The undifferentiated Pennsylvanian (IP) is indicated by the legend. Additional information regarding the use of this figure and the AEM data may be found in the report titled "Airborne Electromagnetic Mapping and Hydrogeologic Framework of Selected Areas of the Eastern Nebraska Water Assessment Area" chapter on the Lower Platte North Natural Resources District.

# Invoice



Bill To
Lower Platte North NRD PO Box 126 Wahoo, NE 68066

Date	Invoice #
7/31/2020	144

Quantity	Description	Rate	Amount
	Lower Platte River Basin Water Management Plan Coalition FY 20-21 Dues.	10,000.00	10,000.00
Please remit payment to NARD Research - P.O. Box 81706 Lincoln, NE 68501-1706.		<b>Total</b>	\$10,000.00





USDA - NATURAL RESOURCES

CONSERVATION SERVICE

PEDON DESCRIPTION

Print Date: 08/27/2020  
Description Date: 8/25/2020  
Describer: P. Cowser, A. Urban, R. Hackbart, T. Durre, J. Wehrbein

User Site ID: 2020NE0377004  
Site Note: Described during a NRD field demonstration  
User Pedon ID: 2020NE0377004  
Pedon Note:

Soil Name as Described/Sampled:  
Taxon Kind as Sampled:  
Sampled as Classification:

Soil Name as Correlated:  
Taxon Kind as Correlated:  
Correlated Classification:

Pedon Type:  
Pedon Purpose:  
Associated Soils: Coleridge, Gibbon, Lamo, Lex, Ord, Orwet  
Lab Source ID: Lab Pedon #:

Location Information:  
Country:  
State: Nebraska  
County: Colfax  
MLRA: 102C -- Loess Uplands  
Soil Survey Area:  
Map Unit: 6335 -- Lawet silt loam, rarely flooded  
Quad Name:

Location Description: 564 feet east and 1885 feet north from southwest corner

Legal Description: 8-17-3E of Section 8, Township 17N, Range 3E

Latitude: 41 degrees 27 minutes 22.01 seconds north  
Longitude: 97 degrees 6 minutes 55.87 seconds west  
Datum: NAD83  
UTM Zone:  
UTM Easting:  
UTM Northing:

Physiographic Division:  
Physiographic Province:  
Physiographic Section:  
State Physiographic Area:  
Local Physiographic Area:

Geomorphic Setting: flood plain on river valley  
Upslope Shape: Cross Slope Shape:



Slope Drainage Class (%) (meters)	Elevation Slope Length (meters)	Aspect Upslope Length (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost- Free Days
1.0	1,372.0	135					
moderately well							

Lab Results (from Pedon Horizon Lab Results table)

Hzone	Top depth (cm)	Bottom depth (cm)	Sand (%)	Silt (%)	Clay (%)

Ap1--0 to 3 centimeters (0 to 1 inches); black (10YR 2/1) silt loam, very dark brown (10YR 2/2), dry; moderate fine granular structure; very friable, soft; many very fine roots throughout; many very fine interstitial pores; violent effervescence, by HCl, 1 normal; ; abrupt smooth boundary.

Ap2--3 to 16 centimeters (1 to 6 inches); black (10YR 2/1) silt loam, very dark brown (10YR 2/2), dry; moderate very thick platy structure; friable, slightly hard; many fine roots throughout and many very fine roots throughout; violent effervescence, by HCl, 1 normal; ; abrupt smooth boundary.

A1--16 to 30 centimeters (6 to 12 inches); very dark brown (10YR 2/2) silt loam, very dark gray (10YR 3/1), dry; moderate medium subangular blocky structure; very friable, soft; many fine roots throughout; many fine tubular pores; violent effervescence, by HCl, 1 normal; ; gradual smooth boundary.

A2--30 to 48 centimeters (12 to 19 inches); very dark gray (10YR 3/1) silty clay loam, very dark gray (10YR 3/1), dry; moderate coarse subangular blocky structure; very friable, soft; many very

fine roots throughout; many fine interstitial and many medium tubular pores; violent effervescence, by HCl, 1 normal; ; gradual smooth boundary.

Bk--48 to 76 centimeters (19 to 30 inches); very dark gray (10YR 3/1) silty clay loam, very dark gray (10YR 3/1), dry; moderate very coarse subangular blocky structure; very friable, soft; many very fine roots throughout; many fine tubular pores; 15 percent coarse carbonate concretions; violent effervescence, by HCl, 1 normal; ; gradual smooth boundary.

Bkg--76 to 120 centimeters (30 to 47 inches); gray (2.5Y 6/1) silty clay loam, gray (2.5Y 6/1), dry; moderate medium prismatic structure parts to medium subangular blocky structure; friable, slightly hard; many very fine roots throughout; many fine tubular pores; 20 percent coarse carbonate concretions; violent effervescence, by HCl, 1 normal; ; gradual smooth boundary.

Ckg--120 to 149 centimeters (47 to 59 inches); gray (2.5Y 6/1) silty clay loam, gray (2.5Y 6/1), dry; structureless massive structure; friable, slightly hard; weakly cemented carbonate masses; violent effervescence, by HCl, 1 normal; ; gradual smooth boundary.

Cg--149 to 172 centimeters (59 to 68 inches); gray (2.5Y 6/1) sandy clay loam, gray (2.5Y 6/1), dry; structureless massive structure; violent effervescence, by HCl, 1 normal; ; abrupt smooth boundary.

2Cg--172 to 203 centimeters (68 to 80 inches); gray (2.5Y 6/1) loamy sand, gray (2.5Y 6/1), dry; structureless single grain structure; 2 percent masses of oxidized iron; violent effervescence, by HCl, 1 normal; .

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**Exhibit A**  
**Flow Meter Maintenance Program**  
**Lower Platte North NRD**



8-26-2020

Members of the board of the Lower Platte North NRD,

Below are the prices Tri City Meters, Inc. have compiled.

Flat Fee for each MECHANICAL METER site visited, including travel and labor cost: \$60.00 per site

Flat Fee for each ELECTRONIC METER site visited that requires a battery change: \$75.00 per site.  
(NRD Tech will be able to confirm when battery was replaced when he/she shows up on site, without breaking the seal of the meter.)

Additional cost for the Electronic meters is to cover additional labor, additional parts, seals, dry packs, used in the battery replacement process. Batteries to be supplied by NRD, or NRD to reimburse TCM for price of batteries in addition to the labor bid above. (Battery cost is NOT included in our bid.)

Please feel free to contact me if you have any questions.

Mark Vanosdall  
President  
Tri City Meters, Inc.

Ph: 308-379-2013  
Cell: 308-379-9989

# **FLOW METER MAINTENANCE SERVICE AGREEMENT**

## **Exhibit B Flow Meter Maintenance Program Lower Platte North NRD**

The Lower Platte North NRD (LPNNRD) is requesting proposals from area flow meter companies, irrigation system dealers, well drillers, and pump installers to establish a flow meter maintenance program throughout the whole LPNNRD District including the two allocated Special Quantity Subareas (SQS #1 & SQS #2). There are approximately 1,000 registered wells within the District that have a district approved flow meter installed. The plan is for each of the flow meters installed to be inspected at least once every four years and to perform any required maintenance to make sure the meters are working properly. The scope of work for each maintenance year shall be completed between the dates of November 1<sup>st</sup> -March 1<sup>st</sup> (weather dependent). The scope of work to be completed is listed below:

- The hired contractor will have a flat fee for each site visited (which should include travel and labor costs of the contractor to visit the sites).
- The contractor must also give a detailed report on maintenance and the inspection performed at each flow meter site.
- If any meter maintenance is required the contractor shall perform that work and bill the LPNNRD for any labor and parts that are required, again for each site. The LPNNRD in turn will bill the landowners 100% of the cost of equipment repair or replacement, but not travel and labor, which will be paid by the NRD. Therefore, invoices submitted to the LPNNRD by the contractor must include a cost breakdown for each site where any equipment is repaired or replaced.
- The hired contractor will replace batteries on all magnetic and digital read flow meters at least once every four years. LPNNRD will bill the landowners 100% for battery replacement.
- Included in this letter is a list of the LPNNRD District approved flow meters that are installed throughout the LPNNRD.
- If interested in placing a bid or would like further details on the Flow Meter Maintenance Program, please contact the Lower Platte North NRD by August 15<sup>th</sup>, 2020 at 402-443-4675.

If no further information is needed please submit bid proposals to the Lower Platte North NRD by Friday August 28<sup>th</sup>, 2020. These will be reviewed by the Water Committee on September 3<sup>rd</sup>, 2020 and the contract will be awarded at the September 14<sup>th</sup>, 2020 Board meeting. Thank you.

Daryl Andersen  
Water Resources Manager

Tyler Benal  
Water Resources Specialist

**EXHIBIT C**  
**Flow Meter Maintenance Program**  
**Lower Platte North NRD**

**Approved List of Propeller Flow Meters**  
**Lower Platte North Natural Resources District (LPNNRD)**  
**Effective: October 5, 2017**



**Approved List of Propeller Flow Meters and Required Conditions**

**LPNNRD requirements for all propeller flow meters:**

- Anti-reverse flow feature to prevent backflow.
- Follow manufactures installation recommendations taking into account in-pipe jetting or nonjetting flow conditions. (Correct installation of the flow meter is critical to getting an accurate reading. Most meters require a straight pipe before and after the flow meter that is at least equivalent to five times the pipe diameter in order to obtain an accurate flow measurement. Doing the installation correctly the first time saves money in the long run).
- Straightening vanes are required according to manufacturer’s installation recommendations for in-pipe jetting or non-jetting flow conditions.
- Meter must be positioned to ensure water totally fills the pipe, such as a level pipe or positioned on a riser.
- Meter must be configured: to inside and outside diameter of the pipe, material of the pipe, meter used that will operate within minimum and maximum output flow rates of the well, horizontal or vertical installations, and unobstructed straight run distance upstream and downstream of meter and in most cases straightening vanes (or other flow straightener) will be necessary.
- Meter totalizes flow in acre inches and flow meter dial is in gallons per minute.
- A flow meter must be dedicated to each individual well. (Exceptions will be made if several wells are used to provide enough water to operate a single irrigation system such as a pivot or gated pipe. In these situations a flow meter placed at the central location where all water can be metered is acceptable).

<b>Manufacturer</b>	<b>Model</b>	<b>Notes</b>
McCrometer	McPropeller	All propeller models
Sparling	Propeller saddle meter	Model 312 propeller meter
ARAD Group	Saddle Water meter	Meter for irrigation applications
Geyser	Saddle meter	All propeller models for Farmland Irrigation
Senninger	Ag Rotor meter	Propeller model

**LPNNRD prefers the following added features for all propeller flow meters:**

- Over-run bearing (or extra bearing) for smoother operation and to extend life of the meter
- Canopy cover to protect meter

LPNNRD will inspect systems for proper installation of flow meters.



**Approved List of Magnetic Flow Meters  
Lower Platte North Natural Resources District  
(LPNNRD)  
Effective: October 5, 2017**

**Approved List of Magnetic Flow Meters and Required Conditions**

**LPNNRD requirements for all magnetic flow meters:**

- Anti-reverse flow feature to prevent backflow measurements.
- Only can be located where water discoloration is not an issue.
- Follow manufactures installation recommendations taking into account in-pipe jetting or nonjetting flow conditions. (Correct installation of the flow meter is critical to getting an accurate reading. Most meters require a straight pipe before and after the flow meter that is at least equivalent to five times the pipe diameter in order to obtain an accurate flow measurement. Doing the installation correctly the first time saves money in the long run).
- Straightening vanes are required according to manufacturer's installation recommendations for in-pipe jetting or non-jetting flow conditions.
- Meter must be positioned to ensure water totally fills the pipe, such as a level pipe or positioned on a riser. Magnetic meters are sensitive to air bubbles and sediment so many of these should be installed at a 45 degree angle on the pipe to avoid air bubbles or sediment from directly hitting the sensors. Follow recommendations of the manufacturer.
- Meter must be configured: to inside and outside diameter of the pipe, material of the pipe, meter used that will operate within minimum and maximum output flow rates of the well, horizontal or vertical installations, and unobstructed straight run distance upstream and downstream of meter and in many cases straightening vanes (or other flow straightener) may be necessary.
- Meter totalizes flow in acre inches.
- A flow meter must be dedicated to each individual well. (Exceptions will be made if several wells are used to provide enough water to operate a single irrigation system such as a pivot or gated pipe. In these situations a flow meter placed at the central location where all water can be metered is acceptable).

- Chemigation also affects proper location of magnetic flow meters. These flow meters should be installed upstream of the chemigation injection point or far enough downstream that complete mixing occurs before the chemigation solution reaches the meter. In some cases this may be at least 10 pipe diameters downstream of the injection point. Again follow manufacture's recommendations.
- Magnetic meters have minimum fluid conductivity restrictions so make sure the meter is within the conductivity tolerances of the water being measured (fresh water vs brackish water).
- Battery life should be at least 3 years with a backup that will store the latest information if the main battery should fail.

<b>Manufacturer</b>	<b>Model</b>	<b>Notes</b>
McCrometer	Mc Mag 3000	
McCrometer	Dura Mag	
Lindsay	Growsmart IM3000	All IM3000 models
Senninger	Magmeter 2551	
Seametrics	Magmeter AG2000	
Sparling	Bluewater FM676	

LPNNRD will inspect systems for proper installation of flow meters.

## **FLOW METER MAINTENANCE SERVICE AGREEMENT**

**THIS AGREEMENT** is made this 14 day of September, 2020, by and between the Lower Platte North Natural Resources District, a political subdivision of the State of Nebraska (hereafter referred to as "NRD"), and Peoples Natural Gas Company, division of Tri-City Meters, Inc., a Nebraska Corporation, doing business at 210 E. Front Street, P.O. Box 126, Alda, Nebraska 68810 (hereafter referred to as "Tri-City");

WHEREAS, the NRD issued requests for proposals pursuant to the request attached hereto as Exhibit "A" and incorporated herein by reference, from area flow meter companies, irrigation system dealers, well drillers, and pump installers to establish a flow meter maintenance program within the LPNNRD District; and

WHEREAS, it is believed that there are approximately 1,000 registered wells throughout the LPNNRD including its Special Quantity Subareas (SQS) that have a District Approved Flow meter installed as Exhibit "C" and incorporated herein by reference, and the NRD plans for each of the installed flow meters on active wells to be inspected at least once every four (4) years to ensure that the meters are working properly; and

WHEREAS, NRD has authority under the Nebraska Groundwater Management Act and pursuant to its groundwater management rules and regulations to implement the aforementioned flow meter maintenance program; and

WHEREAS, Tri-City presently owns and operates a flow meter maintenance program in Eastern Nebraska and did submit its proposal to the NRD on or before August 28, 2020 as attached hereto as Exhibit "B" and incorporated herein by reference; and

WHEREAS, the NRD's flow meter maintenance program will run from September 14, 2020 to March 1, 2024 (weather dependent) requiring performance of Tri-City services on no fewer than 25% of the total number of flow meters installed throughout the LPNNRD District per year between the Dates of November 1<sup>st</sup> and March 1<sup>st</sup> as shown in Exhibit "B" and incorporated herein by reference; and

WHEREAS, NRD is willing to pay to Tri-City \$60.00 per MECHANICAL METER site and \$75.00 per ELECTRONIC METER site for flow meter inspection services pursuant to its proposal in Exhibit A and subject to the express terms and conditions of this Agreement as stated in Exhibit B "Request for Proposals Flow Meter Maintenance Program Lower Platte North NRD; and

NOW, THEREFORE, in consideration of the mutual promises contained herein, the parties agree to the following:

1. Tri-City's Performance. Tri-City Meters, Inc. agrees to perform the following activities as an independent contractor for the NRD:
  - a. Evaluation of each water meter's current operating condition;
  - b. Compliance with minimum installation requirements;
  - c. Lubrication of bearings and replacement of mounting gaskets;
  - d. A digital photograph of the meter register;

- e. A digital photograph of the meter installation;
  - f. Addition of a protective cover, often referred to as a “canopy boot” if there is not one on the meter and one is available and appropriate for the particular brand and model of meter;
  - g. Participate in and provide training for its employees to perform the tasks described above, as deemed necessary by the NRD;
  - h. Provide electronic or paper report to the NRD for each meter site inspected and/or serviced pursuant to the NRD provided “Checklist for inspection of Propeller and Electronic Flow Meter” stipulated in Exhibit A, including but not limited to; date of inspection, well registration number, legal description of meter site, confirmation that meter is on approved NRD list, brand, model, serial number, current flow meter reading and units of measurement, operating condition of each flow meter, compliance with installation recommendations, and inspection sheet for each flow meter site;
  - i. Provide an itemized monthly or quarterly invoice and inspection sheet for services provided represented by a flat fee of \$60 or \$75 for each site visited (which said fee includes travel and labor costs) as well as a cost breakdown for each site where any equipment is repaired or replaced as stipulated in “Contractor Inspection Schedule” and “Contractor Billing” in Exhibit A;
  - j. Flow meters still under warranty and needing repair are not eligible for equipment replace cost in the NRD meter maintenance program and if meter needs to be sent back to the manufacturer, the landowner or tenant will be responsible for all costs;
  - k. Attached a security tag and cable around serviced flow meters and piping system for each site inspected to insure that the flow meter is not tampered or removed. The tag and cable, however, should not prevent the operator from reading the face of the register; and
  - l. Provide proof of a \$2,000,000 per occurrence commercial liability insurance each year naming the NRD as an additional insured; and
  - m. Hold the NRD and their agents and employees harmless from all suits, claims, actions, or proceedings, and to the extent permissible by law from and against the following; (1) all damages or liability of any character, including costs and attorney fees, to the extent caused by any negligent act, error or omission of Tri-City or any person or organization for whom Tri-City may be responsible, and arising out of the performance of services under this Agreement; and (2) all liability, damage, demands, and costs sought by any local, state, or federal agency from which Tri-City may be responsible, arising out of or in connection with the services contemplated herein.
2. NRD’s Performance. The NRD agrees to perform the following activities pursuant to this Agreement:
- a. Send written notification to landowners advising them of the flow meter maintenance

- program and inspections to be conducted under a general time-frame;
- b. Give Tri-City the approximately location of each meter to be serviced;
  - c. Provide Tri-City with the crimping tools with the necessary inscription; and
  - d. To make timely payment to Tri-City following submission of a satisfactory report and itemized invoice, as described above.
  - e. TRI CITY will replace batteries on all magnetic flow meters at least once every four years and will bill the LPNNRD 100% for this battery replacement which will in turn bill the landowner or person(s) responsible for the District approved flow meter.
3. Mutual Agreement. It is mutually agreed that the pricing for Tri-City's inspections and services are properly delineated within the proposal attached hereto as Exhibit "B".
  4. Representations and Warranties of Tri-City. Tri-City makes the following representations and warranties:
    - a. That it is a duly organized and validly existing corporation which is authorized to do business in the State of Nebraska;
    - b. That its duly empowered officers have authorized the execution and delivery of this Agreement, as well as any other documents deemed necessary to effectuate the purposes contemplated herein;
    - c. That its execution of this Agreement and all documents associated therewith will not constitute a breach of any articles of incorporation, bylaws, contract, regulation or ruling by which it is bound; and
    - d. That there are no known pending or threatened actions against the Tri-City at law or in equity before any federal, state, county, municipal or other government court, department, commission, board, bureau, agency or instrumentality, wherein an adverse judgment, assessment or liability would have a material adverse effect on this Agreement or the services described herein.
  5. Representations and Warranties by NRD. NRD represents and warrants the following:
    - a. That it is a political subdivision under the laws of the State of Nebraska, as defined in the Nebraska Revised Statutes, as amended;
    - b. That the execution of this Agreement and any other documents related thereto has been duly authorized by the NRD's board of directors; and
    - c. That it will execute and deliver all documents deemed necessary to complete this transaction.
  6. Remedies of the Parties. If either party fails to timely and fully perform its obligations hereunder, the parties agree that the other party shall be entitled to utilize all remedies available to such party at law or in equity. In any action or proceeding relating to this

Agreement, the successful party shall be entitled to receive reasonable attorney fees and costs, as permitted by law.

- 7. Effect of Agreement. This Agreement shall be binding upon the parties hereto, their successors and assigns.
- 8. Assignment. Tri-City may not assign and/or transfer any and/or all of this Agreement or its rights or obligations contained herein without the prior written consent of the NRD. This Agreement shall extend to and be binding upon the heirs, administrators, representatives and permitted assigns of the parties hereto.
- 9. Governing Law and Venue. This Agreement shall be governed by and construed under the laws of the State of Nebraska with disputes related hereto to be raised in the District Court of Saunders County, Nebraska.
- 10. Counterparts. This Agreement may be executed in multiple counterparts, each of which shall be in an original, but all of which shall be deemed to constitute one instrument.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and year first shown above.

**LOWER PLATTE NORTH NRD, a  
Nebraska Political Subdivision**

**TRI-CITY METER, INC., a Nebraska Corp,**

By: \_\_\_\_\_  
Chairperson

By: \_\_\_\_\_  
Mark Vanosdall, President

STATE OF NEBRASKA        )  
  ) ss  
COUNTY OF \_\_\_\_\_  )

On this   14   day of September, 2020, before me, the undersigned, a Notary Public in and for the State of Nebraska, personally appeared Mark Vanosdall, President of Tri-City Meters, Inc., a Nebraska Corporation, to me personally known, who, being by me duly sworn, did say that this instrument was duly executed on behalf of the corporation, by authority of its board of directors and officers, passed by resolution, and acknowledged the execution of the instrument to be his voluntary act and deed and the voluntary act and deed of the corporation; by it voluntarily executed.

\_\_\_\_\_  
Notary Public



is proud to present a bid to

**Lower Platte North Natural Resources District**

For

**CONTRACT IRRIGATION FLOW METER MAINTENANCE**

**FALL 2020**



8-26-2020

Members of the board of the Lower Platte North NRD,

Below are the prices Tri City Meters, Inc. have compiled.

Flat Fee for each MECHANICAL METER site visited, including travel and labor cost: \$60.00 per site

Flat Fee for each ELECTRONIC METER site visited that requires a battery change: \$75.00 per site.  
(NRD Tech will be able to confirm when battery was replaced when he/she shows up on site, without breaking the seal of the meter.)

Additional cost for the Electronic meters is to cover additional labor, additional parts, seals, dry packs, used in the battery replacement process. Batteries to be supplied by NRD, or NRD to reimburse TCM for price of batteries in addition to the labor bid above. (Battery cost is NOT included in our bid.)

Please feel free to contact me if you have any questions.

Mark Vanosdall  
President  
Tri City Meters, Inc.

Ph: 308-379-2013  
Cell: 308-379-9989



8-26-2020

Thank you for the opportunity to quote our services to the Lower Platte North NRD. My name is Mark Vanosdall, and together with my wife, we own Tri City Meters, Inc. I started in the water meter field in 1990, and in 2002, we started our own company, with a primary focus on service. We have performed field maintenance for several of the NRD's in Nebraska, so I would like to outline what you will get for your money, should you choose to contract with us.

- ❖ We are already set up with multiple trucks, atvs, and utvs (side by sides) to handle not only the easy ones to get to, but also the harder ones to access.
- ❖ Should we find meters that need repairs beyond the general maintenance, we have a mobile shop we can bring out, (if the farmers elect us to do his/her repairs), eliminating the need to have the meters out of the line and off site, for any length of time.
- ❖ Before we remove a meter for service, the pipe is marked so the meter is put back in the exact same place it was removed from. We do this in effort to make sure the meter seals back up completely around the hole, as well as reassure us meters are put back into the pipe with the same orientation as they were removed from. (No meters installed backwards!)
- ❖ Upon the completion of our "service work", we leave a sticker on the meter and a business card, to let the farmer/landowner know who was out and on their property, and who to call should they feel something wasn't done right, or if they have questions about what was done. This has worked to try to eliminate calls into YOUR office, with questions we can easily answer.
- ❖ In addition to all the labor and parts to perform the maintenance, we provide you with the following information in **DIGITAL FORM**, saving your district personnel time in manually entering it.
  1. Odometer Reading
  2. Any differences we find in the Serial # of the meter.
  3. Meter Status... Properly working, Showing Wear, Not working. Notes are taken in a notes column to indicate what is showing wear, or why the meter is not working.
  4. Whether or not the meter has a cover on it.
  5. All this information is provided to your district in a spreadsheet, saving your district personnel from having to do data entry.
  6. We also take pictures of the odometer reading and the installation of the meter. These can be either uploaded to a site of your choice, or downloaded onto a cd, and delivered to your office at the completion of the work.
  7. In addition to these listed above, we will make the adjustments to compile the data your district has asked for in the request for bids.

A couple of items for you to consider, but **they are completely optional**. The prices indicated below would be in addition to meter service pricing reflected on our bid sheet and can be added upon your request.

Meter Covers: Meter covers do a great job in helping the meters last longer. It puts another layer between the register and moisture. They also protect the integrity of the lens of the canopy, making them easier to read in the future. The Upper Big Blue has one of these installed on each meter that doesn't already have one on it. Price on the covers is \$15.00 each.

Victaulic Gaskets: Some of the older style meters use a Victaulic gasket to seal the meter to the pipe. The price for each of these gaskets is \$20.00 each.

Please feel free to contact me if you have any questions.

Mark Vanosdall  
President  
Tri City Meters, Inc.  
Ph: 308-379-2013  
Cell: 308-379-9989



## Experience and Training

Tri City Meters, Inc. (TCM Inc.) has over 30 years of experience working with Flow Meters. Mark Vanosdall, President of Tri City Meters, Inc. graduated from Marquette High School, and worked for Great Plains Meters in Aurora from 1990-2002 before starting Tri City Meters, Inc. With our primary focus being a service company, we have worked with other NRD's in the state who state our routine maintenance program has reduced their number of repairs per year by more than 75%!

Some of the meters we are experienced with are: Sparling, McCrometer, SeaMetrics, Geysler, Water Specialties, Fluidyne, Signet/Senninger, Rockwell/Sensus, Badger, and Master Meter.

We have been factory trained at McCrometer in Hemet, California, to build and repair both McCrometer and Water Specialties meters.

We have been factory trained to repair meters at the following factories: Geysler, McCrometer, SeaMetrics, Sparling and Signet (now Signet makes the meters with the Senninger name on them).

***We are a factory authorized service center for Geysler flow meters.***

We currently contract with Upper Big Blue NRD, 10+ years. We just completed our first 4 year contract with Lower Platte North NRD in 2019. We have also contracted in the past with Middle Republican NRD and North Platte NRD.

Our goal out in the field is to provide the patrons of the Lower Platte North NRD, a preventative maintenance program to your water meters. The longer a meter is out in the field without any attention, the larger chance of costly repair bills. We want to be able to eliminate the costly

repair bills by catching small problems or potential problems early, saving you time and money in the end.

It is a policy of Tri City Meters, Inc. to leave all properties in the same condition as we found them. This also applies to fences and gates, if a gate is open we leave it open, if they're closed, we close them. We dispose of our trash in our trucks, leaving you no mess. If you should wish to contact us with comments or questions, I invite you to do so either by calling the office 308-379-2013, Cell phone 308-379-9989 or by email [tricitymeters@gmail.com](mailto:tricitymeters@gmail.com).

**If additional repairs are needed:**

If in the event we find your meter needs more than just preventative maintenance, whether it be bearings, a register etc...we will contact you to advise you of the problem. If you elect to have the repair done by us while on site, you would again save time and money as opposed to removing the meter yourself and sending it in to us or someone else at a later time. Again, little problems corrected early, will save you money in the end.

Sincerely,

Mark Vanosdall, President

Tri City Meters, Inc.

308-379-2013

[tricitymeters@gmail.com](mailto:tricitymeters@gmail.com)



**Mobile shop**



**Bench & Tools**



Parts storage



Rear storage and 4 wheeler on board

Above, are pictures of our mobile shop. The shop is stocked with most all parts making us able to repair most all mechanical meters right on site. You don't have to worry about an "open pipeline" while your meter is away being repaired.

Do you have meters in other areas you know aren't working? Give us a call. 308-379-2013 office 308-379-9989 cell or email [tricitymeters@gmail.com](mailto:tricitymeters@gmail.com). We would be happy to help you out.

# CHEMIGATION - August 2020

## TOTAL CHEMIGATION APPLICATIONS IN 2019 (720)

### NEW CHEMIGATION APPLICATIONS - 53

(0) Boone (11) Butler (9) Colfax (12) Dodge (1) Madison (10) Platte (10) Saunders

### RENEWALS: 695

BOONE COUNTY - 59  
BUTLER COUNTY - 100  
COLFAX COUNTY - 61  
DODGE COUNTY - 117  
MADISON COUNTY - 7  
PLATTE COUNTY - 110  
SAUNDERS COUNTY - 241

### RENEWAL INSPECTIONS: 228

(30) Boone (46) Butler (9) Colfax (26) Dodge (0) Madison (25) Platte (92) Saunders

### NEW INSPECTIONS: 53

(0) Boone (12) Butler (10) Colfax (11) Dodge (0) Madison (10) Platte (10) Saunders

### NEW CANCELLATIONS: 0

(0) Boone (0) Butler (0) Colfax (0) Dodge (0) Madison (0) Platte (0) Saunders

### EMERGENCY: 0

**AWS WELL CO.**  
**PO BOX 246**  
**MEAD, NE 68041**



**COPY**

**Invoice**

Date	Invoice #
7/7/2020	10053

Phone #	Fax #
402-624-3895	402-624-6425

Bill To  
**Ardven Malchow**  
**1519 County Road P**  
**Colon Ne 68018**

Location of Work

Phone #	P.O. No.	Terms	Project
		Due on receipt	

Serviced	Quantity	Description	Rate	Amount
6/24/2020	1	CONE STRAINER 8.00 GLAV MALE	210.00	210.00
	8	BOLT 0.50-13 X 2.50 18-8 SS	2.625	21.00
	8	NUT HEX 0.50-13 18-8 SS	0.75	6.00
	1	BOWL ORING	5.00	5.00
	1	BOWL LABOR DISASSEMBLE 5 STAGE 12CH WLR BOWL ASSY, REMOVE BULL SNAKE FROM SUCTION, CLEAN AND REASSEMBLE	670.00	670.00
	120	PULL PUMP AND LABOR 120'	15.00	1,800.00
	1	TRIP TO GRAND ISLAND	100.00	100.00
		GPM 900		
		TDH 290		
		RPM 1770		
	SETTING 120'			
	Sales Tax	5.50%	0.00	

Thank you for your business. Please remit payment to the address above. Thank You!

Invoices are due on receipt. Accounts past 30 days will be charged the maximum interest allowed by law.  
 Minimum charge is \$4.00

<b>Total</b>	\$2,812.00
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$2,812.00



TV-10

RegCD: G-078376

Well #: TV-17A

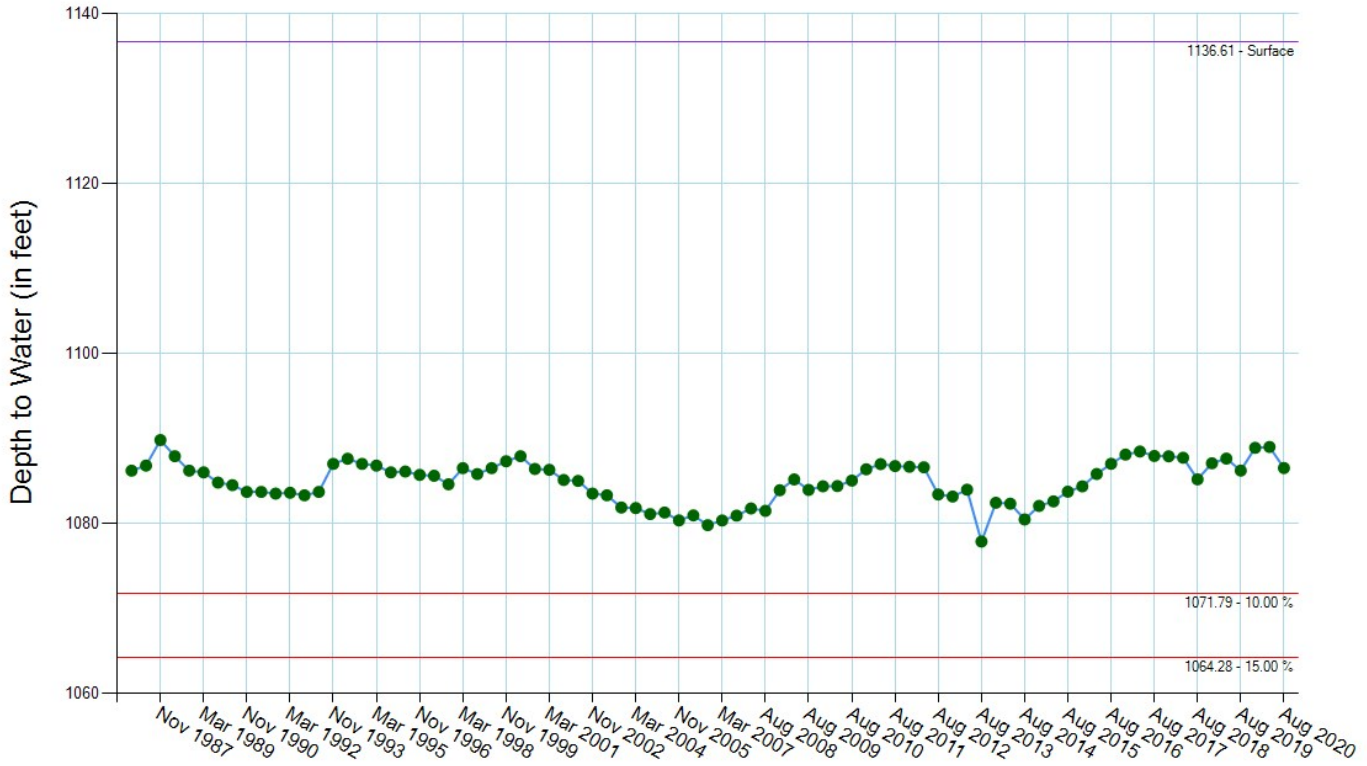
Region: Todd V.

County: Saunders

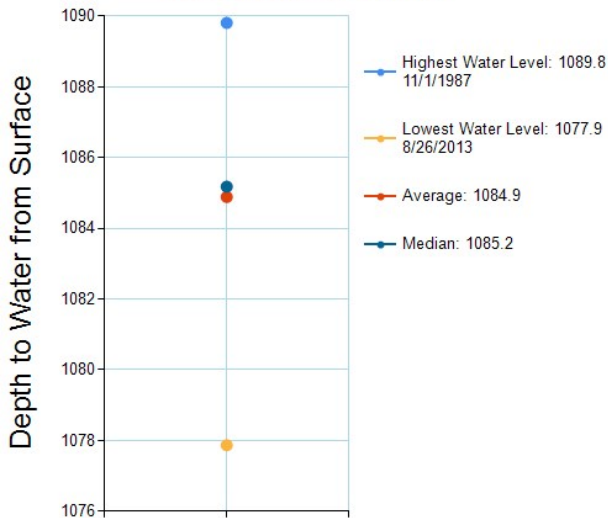
Legal: 13-9E-16

Owner Name: Virgil E Frahm, Tree

### Water Level Readings



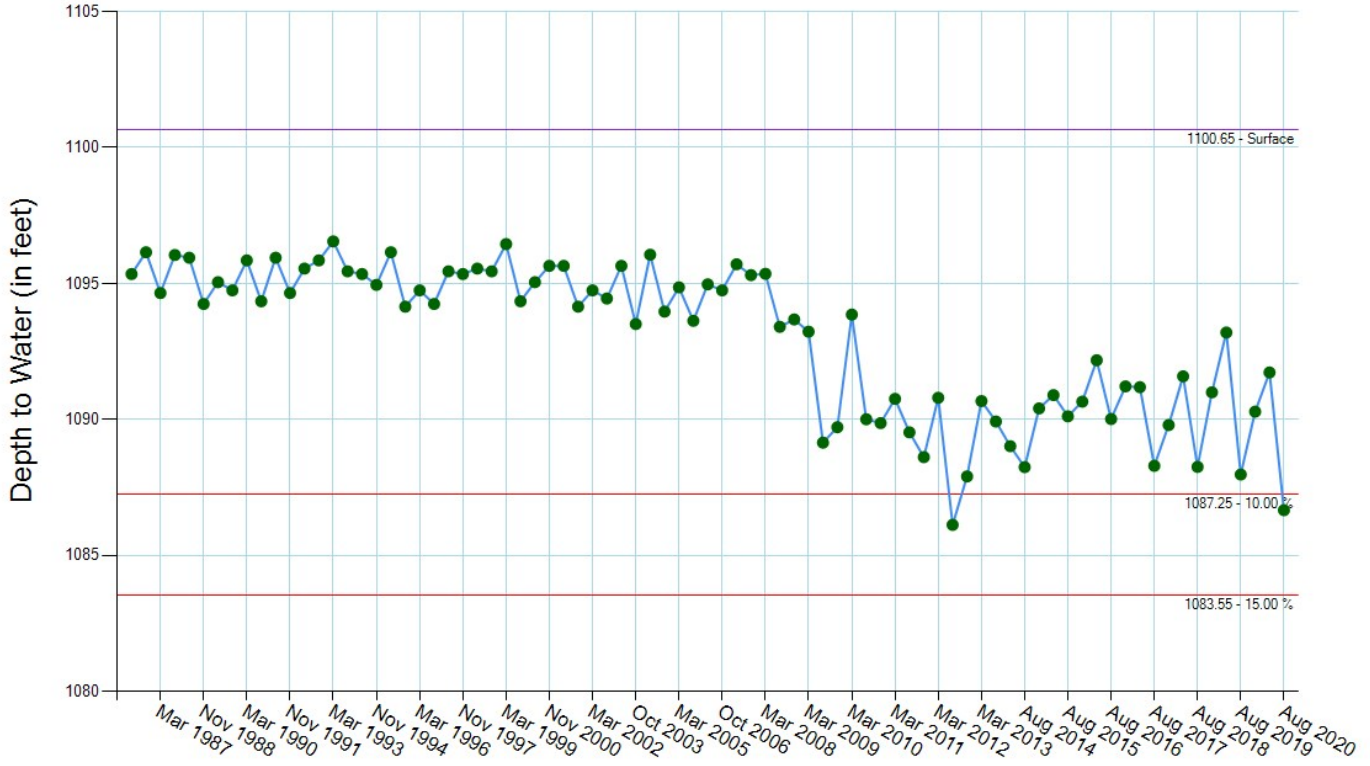
### Record Results



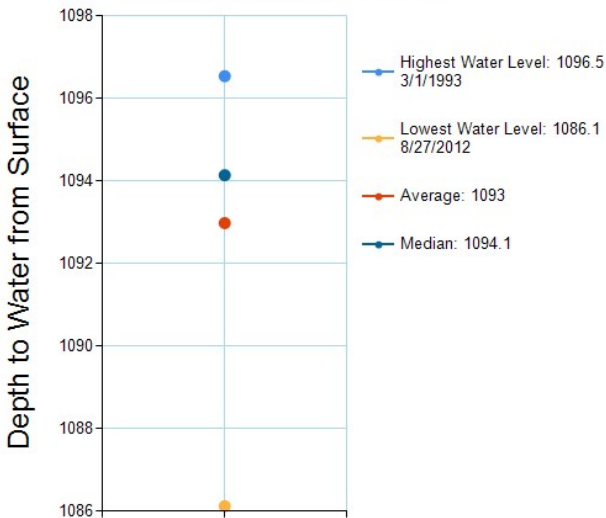
### Historical Readings (date - reading)

11/01/1986 - 1086.2	11/01/1996 - 1085.7	11/01/2006 - 1079.8	11/01/2013 - 1082.4
03/01/1987 - 1086.8	03/01/1997 - 1085.6	03/01/2007 - 1080.3	03/01/2014 - 1082.3
11/01/1987 - 1089.8	11/01/1997 - 1084.6	11/01/2007 - 1080.9	08/26/2014 - 1080.5
03/01/1988 - 1087.9	03/01/1998 - 1086.5	03/01/2008 - 1081.8	11/01/2014 - 1082.1
11/01/1988 - 1086.2	11/01/1998 - 1085.8	08/26/2008 - 1081.5	03/01/2015 - 1082.6
03/01/1989 - 1086	03/01/1999 - 1086.5	11/01/2008 - 1083.9	08/31/2015 - 1083.7
11/01/1989 - 1084.8	11/01/1999 - 1087.3	03/01/2009 - 1085.2	11/01/2015 - 1084.4
03/01/1990 - 1084.5	03/01/2000 - 1087.9	08/27/2009 - 1083.9	03/01/2016 - 1085.8
11/01/1990 - 1083.7	11/01/2000 - 1086.4	11/01/2009 - 1084.4	08/25/2016 - 1087
03/01/1991 - 1083.7	03/01/2001 - 1086.3	03/01/2010 - 1084.4	11/01/2016 - 1088.1
11/01/1991 - 1083.5	11/01/2001 - 1085.1	08/26/2010 - 1085	03/01/2017 - 1088.5
03/01/1992 - 1083.6	03/01/2002 - 1085	11/01/2010 - 1086.4	08/24/2017 - 1087.9
11/01/1992 - 1083.3	11/01/2002 - 1083.5	03/01/2011 - 1087	10/30/2017 - 1087.9
03/01/1993 - 1083.7	03/01/2003 - 1083.3	08/26/2011 - 1086.7	04/04/2018 - 1087.7
11/01/1993 - 1087	11/01/2003 - 1081.9	11/01/2011 - 1086.7	08/21/2018 - 1085.2
03/01/1994 - 1087.6	03/01/2004 - 1081.8	03/01/2012 - 1086.6	11/01/2018 - 1087.1
11/01/1994 - 1087	11/01/2004 - 1081.1	08/27/2012 - 1083.4	04/02/2019 - 1087.6
03/01/1995 - 1086.8	03/01/2005 - 1081.3	11/01/2012 - 1083.2	08/27/2019 - 1086.2
11/01/1995 - 1086	11/01/2005 - 1080.4	03/01/2013 - 1084	10/28/2019 - 1088.9
03/01/1996 - 1086.1	03/01/2006 - 1080.9	08/26/2013 - 1077.9	03/31/2020 - 1089
			08/24/2020 - 1086.5

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

03/01/1986 - 1095.3	03/01/1996 - 1094.7	03/29/2006 - 1095	10/29/2013 - 1089.9
11/01/1986 - 1096.1	11/01/1996 - 1094.2	10/30/2006 - 1094.7	03/31/2014 - 1089
03/01/1987 - 1094.6	03/01/1997 - 1095.4	03/29/2007 - 1095.7	08/26/2014 - 1088.2
11/01/1987 - 1096	11/01/1997 - 1095.3	10/30/2007 - 1095.3	10/30/2014 - 1090.4
03/01/1988 - 1095.9	03/01/1998 - 1095.5	03/28/2008 - 1095.4	03/30/2015 - 1090.9
11/01/1988 - 1094.2	11/01/1998 - 1095.4	08/26/2008 - 1093.4	08/31/2015 - 1090.1
03/01/1989 - 1095	03/01/1999 - 1096.4	10/30/2008 - 1093.7	10/29/2015 - 1090.7
11/01/1989 - 1094.7	11/01/1999 - 1094.3	03/30/2009 - 1093.2	03/28/2016 - 1092.2
03/01/1990 - 1095.8	03/01/2000 - 1095	08/27/2009 - 1089.1	08/25/2016 - 1090
11/01/1990 - 1094.3	11/01/2000 - 1095.6	10/30/2009 - 1089.7	10/31/2016 - 1091.2
03/01/1991 - 1095.9	03/01/2001 - 1095.6	03/29/2010 - 1093.9	03/31/2017 - 1091.2
11/01/1991 - 1094.6	11/01/2001 - 1094.1	08/26/2010 - 1090	08/24/2017 - 1088.3
03/01/1992 - 1095.5	03/01/2002 - 1094.7	10/29/2010 - 1089.9	10/31/2017 - 1089.8
11/01/1992 - 1095.8	11/01/2002 - 1094.4	03/29/2011 - 1090.8	04/04/2018 - 1091.6
03/01/1993 - 1096.5	03/01/2003 - 1095.6	08/26/2011 - 1089.5	08/21/2018 - 1088.3
11/01/1993 - 1095.4	10/30/2003 - 1093.5	10/28/2011 - 1088.6	11/01/2018 - 1091
03/01/1994 - 1095.3	03/29/2004 - 1096.1	03/29/2012 - 1090.8	04/02/2019 - 1093.2
11/01/1994 - 1094.9	10/29/2004 - 1094	08/27/2012 - 1086.1	08/27/2019 - 1088
03/01/1995 - 1096.1	03/29/2005 - 1094.9	10/30/2012 - 1087.9	10/28/2019 - 1090.3
11/01/1995 - 1094.1	10/31/2005 - 1093.6	03/29/2013 - 1090.7	03/31/2020 - 1091.7
			08/24/2020 - 1086.7

RegCD: G-053428

Well #: PV-41

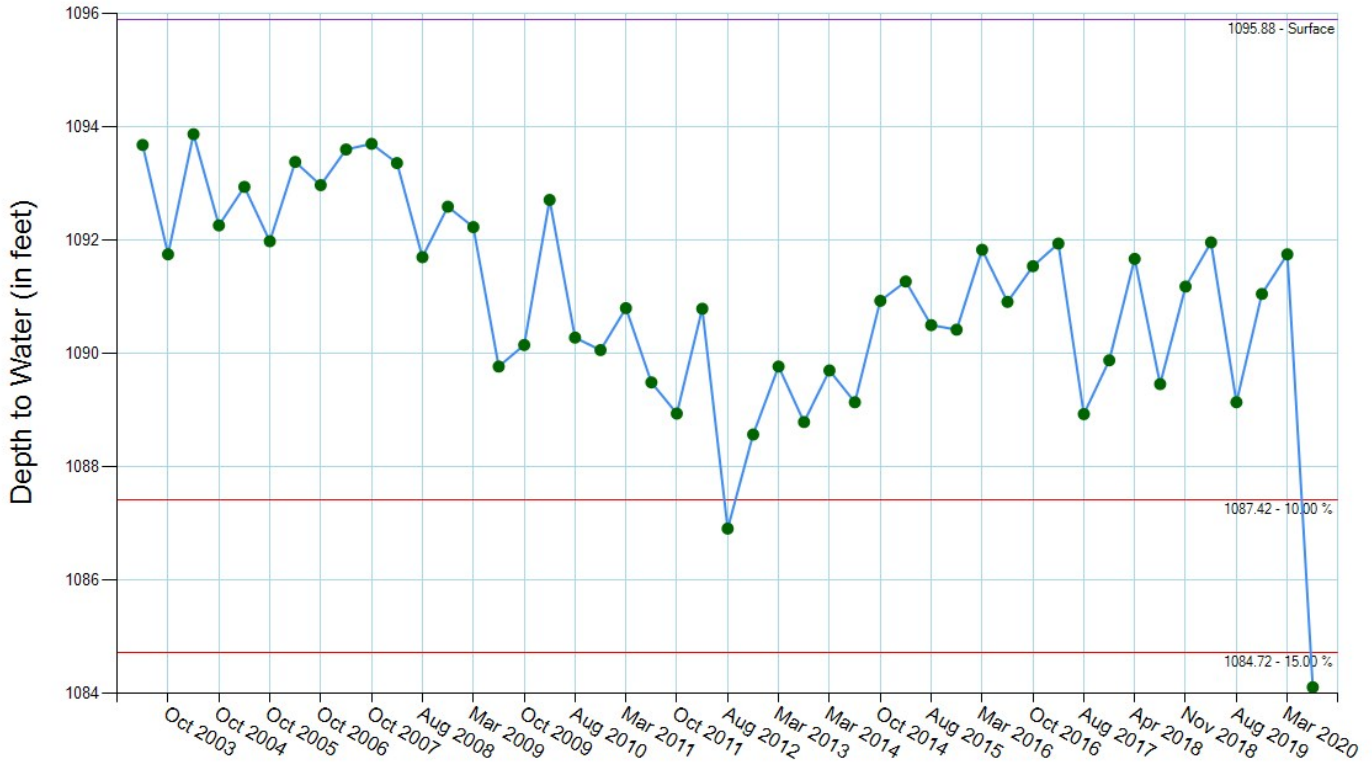
Region: Platte V.

County: Saunders

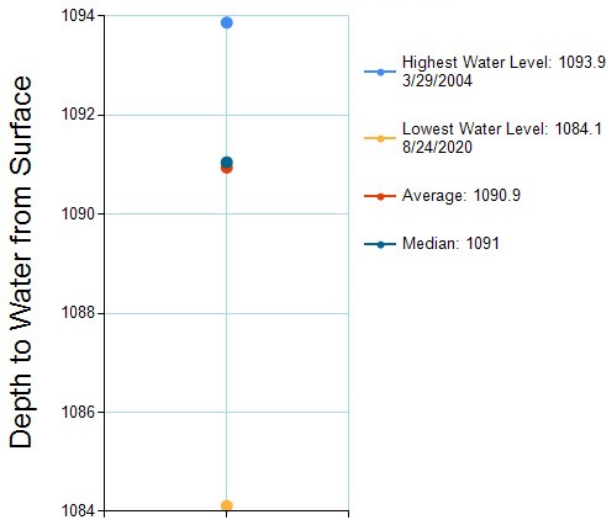
Legal: 14-9E-13

Owner Name: Charles Karloff

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

03/29/2003 - 1093.7	10/30/2008 - 1092.6	10/30/2012 - 1088.6	03/31/2017 - 1091.9
10/30/2003 - 1091.7	03/30/2009 - 1092.2	03/29/2013 - 1089.8	08/24/2017 - 1088.9
03/29/2004 - 1093.9	08/27/2009 - 1089.8	10/29/2013 - 1088.8	10/31/2017 - 1089.9
10/29/2004 - 1092.3	10/30/2009 - 1090.1	03/31/2014 - 1089.7	04/04/2018 - 1091.7
03/29/2005 - 1092.9	03/29/2010 - 1092.7	08/26/2014 - 1089.1	08/21/2018 - 1089.5
10/31/2005 - 1092	08/26/2010 - 1090.3	10/30/2014 - 1090.9	11/01/2018 - 1091.2
03/29/2006 - 1093.4	10/29/2010 - 1090.1	03/30/2015 - 1091.3	04/02/2019 - 1092
10/30/2006 - 1093	03/29/2011 - 1090.8	08/31/2015 - 1090.5	08/27/2019 - 1089.1
03/29/2007 - 1093.6	08/26/2011 - 1089.5	10/29/2015 - 1090.4	10/28/2019 - 1091
10/30/2007 - 1093.7	10/28/2011 - 1088.9	03/28/2016 - 1091.8	03/31/2020 - 1091.7
03/28/2008 - 1093.4	03/29/2012 - 1090.8	08/25/2016 - 1090.9	08/24/2020 - 1084.1
08/26/2008 - 1091.7	08/27/2012 - 1086.9	10/31/2016 - 1091.5	

RegCD: G-053630

Well #: PV-39

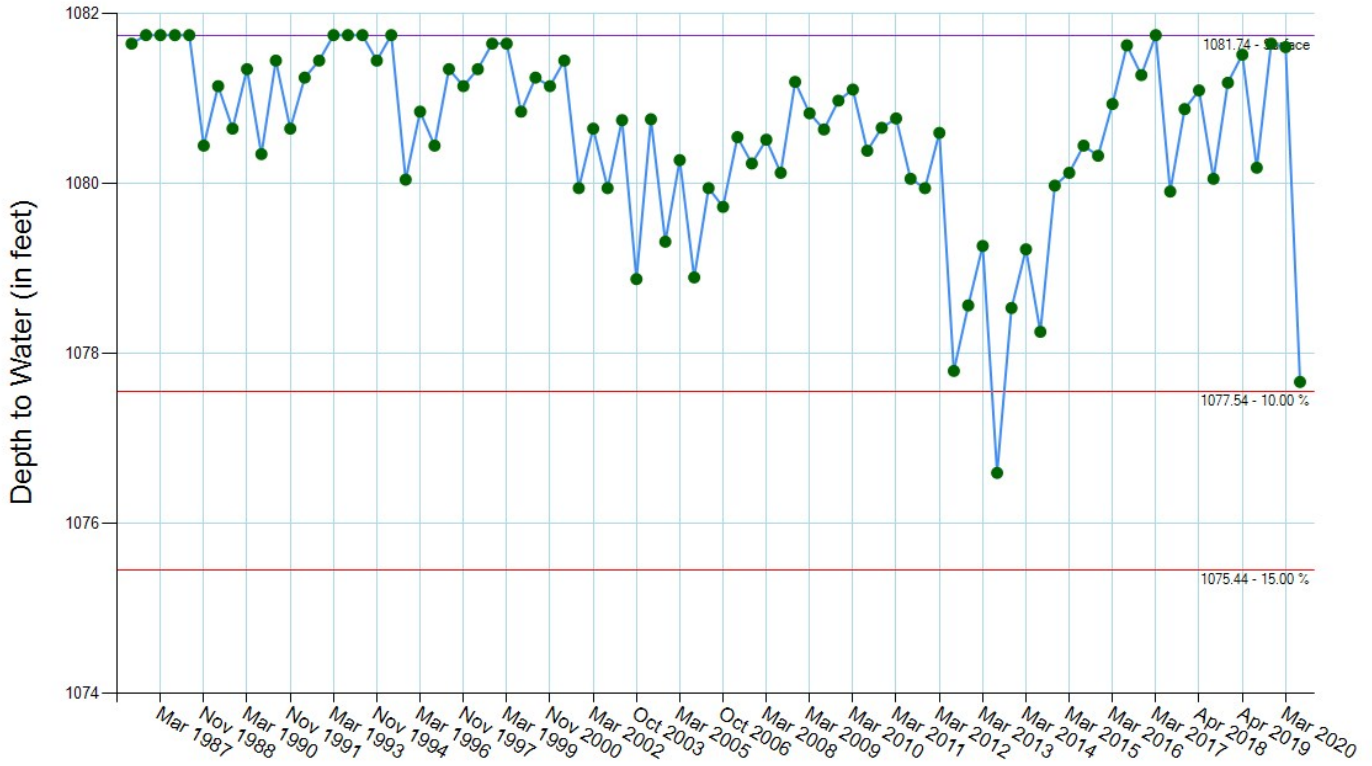
Region: Platte V.

County: Saunders

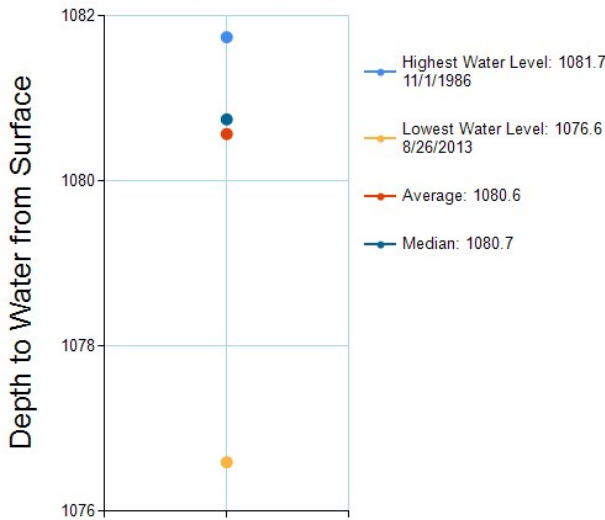
Legal: 14-9E-26

Owner Name: Eugene C Kresak

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

03/01/1986 - 1081.6	11/01/1996 - 1080.4	10/30/2006 - 1079.7	03/31/2014 - 1079.2
11/01/1986 - 1081.7	03/01/1997 - 1081.3	03/29/2007 - 1080.5	08/26/2014 - 1078.3
03/01/1987 - 1081.7	11/01/1997 - 1081.1	10/30/2007 - 1080.2	10/30/2014 - 1080
11/01/1987 - 1081.7	03/01/1998 - 1081.3	03/28/2008 - 1080.5	03/30/2015 - 1080.1
03/01/1988 - 1081.7	11/01/1998 - 1081.6	08/26/2008 - 1080.1	08/31/2015 - 1080.4
11/01/1988 - 1080.4	03/01/1999 - 1081.6	10/30/2008 - 1081.2	10/29/2015 - 1080.3
03/01/1989 - 1081.1	11/01/1999 - 1080.8	03/30/2009 - 1080.8	03/28/2016 - 1080.9
11/01/1989 - 1080.6	03/01/2000 - 1081.2	08/27/2009 - 1080.6	08/25/2016 - 1081.6
03/01/1990 - 1081.3	11/01/2000 - 1081.1	10/30/2009 - 1081	10/31/2016 - 1081.3
11/01/1990 - 1080.3	03/01/2001 - 1081.4	03/29/2010 - 1081.1	03/31/2017 - 1081.7
03/01/1991 - 1081.4	11/01/2001 - 1079.9	08/26/2010 - 1080.4	08/24/2017 - 1079.9
11/01/1991 - 1080.6	03/01/2002 - 1080.6	10/29/2010 - 1080.7	10/30/2017 - 1080.9
03/01/1992 - 1081.2	11/01/2002 - 1079.9	03/29/2011 - 1080.8	04/04/2018 - 1081.1
11/01/1992 - 1081.4	03/31/2003 - 1080.7	08/26/2011 - 1080.1	08/21/2018 - 1080.1
03/01/1993 - 1081.7	10/30/2003 - 1078.9	10/28/2011 - 1079.9	11/01/2018 - 1081.2
11/01/1993 - 1081.7	03/29/2004 - 1080.8	03/29/2012 - 1080.6	04/02/2019 - 1081.5
03/01/1994 - 1081.7	10/29/2004 - 1079.3	08/27/2012 - 1077.8	08/27/2019 - 1080.2
11/01/1994 - 1081.4	03/29/2005 - 1080.3	10/30/2012 - 1078.6	10/28/2019 - 1081.6
03/01/1995 - 1081.7	10/31/2005 - 1078.9	03/29/2013 - 1079.3	03/31/2020 - 1081.6
11/01/1995 - 1080	03/29/2006 - 1079.9	08/26/2013 - 1076.6	08/24/2020 - 1077.7
03/01/1996 - 1080.8		10/29/2013 - 1078.5	

RegCD: G-051424

Well #: PV-40

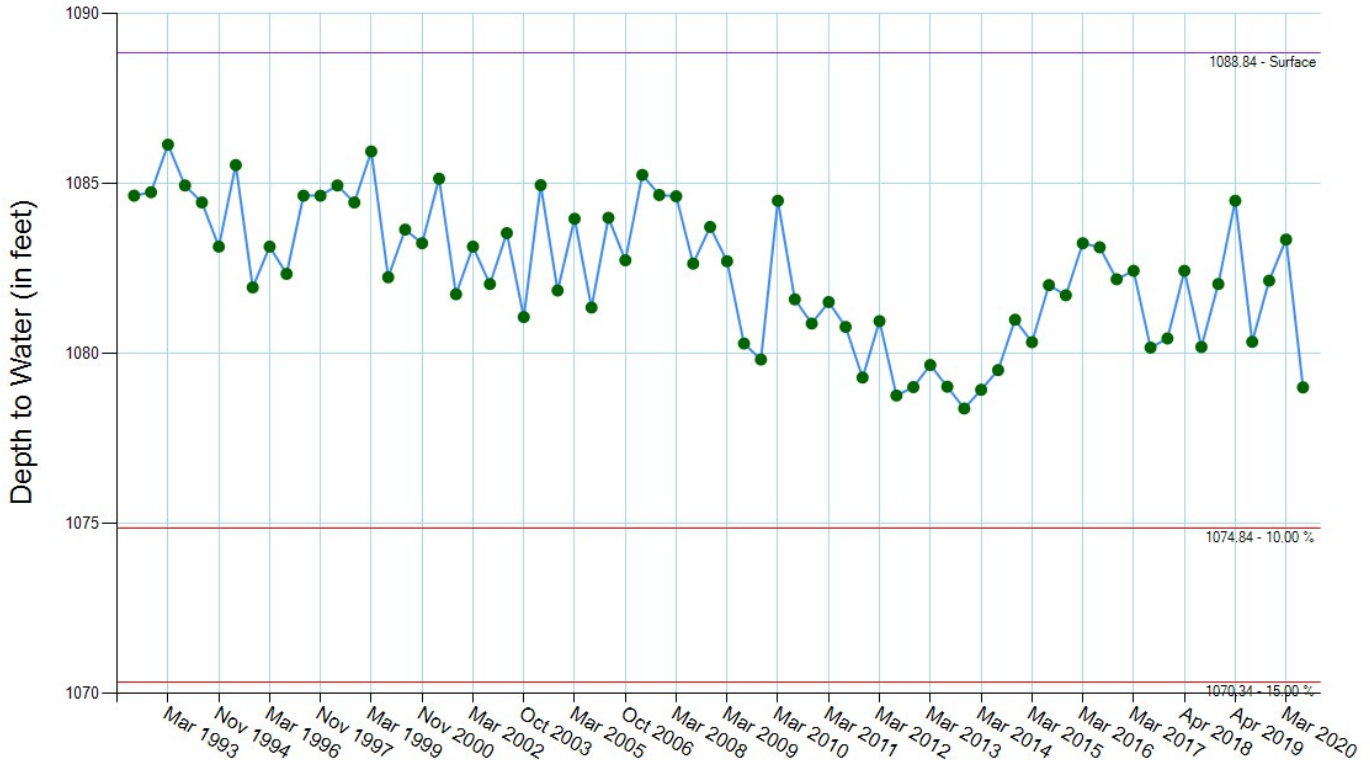
Region: Platte V.

County: Saunders

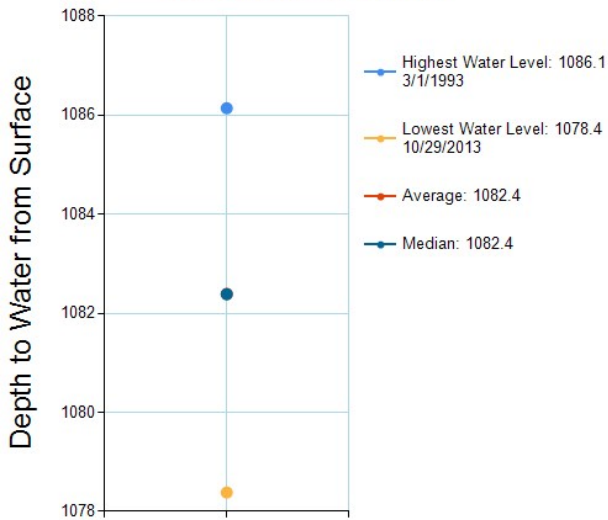
Legal: 14-10E-30

Owner Name: Donald F Veskerna

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

03/01/1992 - 1084.6	03/01/2001 - 1085.1	03/30/2009 - 1082.7	03/30/2015 - 1080.3
11/01/1992 - 1084.7	11/01/2001 - 1081.7	08/27/2009 - 1080.3	08/31/2015 - 1082
03/01/1993 - 1086.1	03/01/2002 - 1083.1	10/30/2009 - 1079.8	10/29/2015 - 1081.7
11/01/1993 - 1084.9	11/01/2002 - 1082	03/29/2010 - 1084.5	03/28/2016 - 1083.2
03/01/1994 - 1084.4	03/31/2003 - 1083.5	08/26/2010 - 1081.6	08/25/2016 - 1083.1
11/01/1994 - 1083.1	10/30/2003 - 1081.1	10/29/2010 - 1080.9	10/31/2016 - 1082.2
03/01/1995 - 1085.5	03/29/2004 - 1085	03/29/2011 - 1081.5	03/31/2017 - 1082.4
11/01/1995 - 1081.9	10/29/2004 - 1081.9	08/26/2011 - 1080.8	08/24/2017 - 1080.2
03/01/1996 - 1083.1	03/29/2005 - 1084	10/28/2011 - 1079.3	10/30/2017 - 1080.4
11/01/1996 - 1082.3	10/31/2005 - 1081.4	03/29/2012 - 1081	04/04/2018 - 1082.4
03/01/1997 - 1084.6	03/29/2006 - 1084	08/27/2012 - 1078.8	08/21/2018 - 1080.2
11/01/1997 - 1084.6	10/30/2006 - 1082.7	10/30/2012 - 1079	11/01/2018 - 1082
03/01/1998 - 1084.9	03/29/2007 - 1085.3	03/29/2013 - 1079.7	04/02/2019 - 1084.5
11/01/1998 - 1084.4	10/30/2007 - 1084.7	08/26/2013 - 1079	08/27/2019 - 1080.3
03/01/1999 - 1085.9	03/28/2008 - 1084.6	10/29/2013 - 1078.4	10/28/2019 - 1082.1
11/01/1999 - 1082.2	08/26/2008 - 1082.6	03/31/2014 - 1078.9	03/31/2020 - 1083.4
03/01/2000 - 1083.6	10/30/2008 - 1083.7	08/26/2014 - 1079.5	08/24/2020 - 1079
11/01/2000 - 1083.2		10/30/2014 - 1081	

RegCD: G-098487

Well #: N. Wann

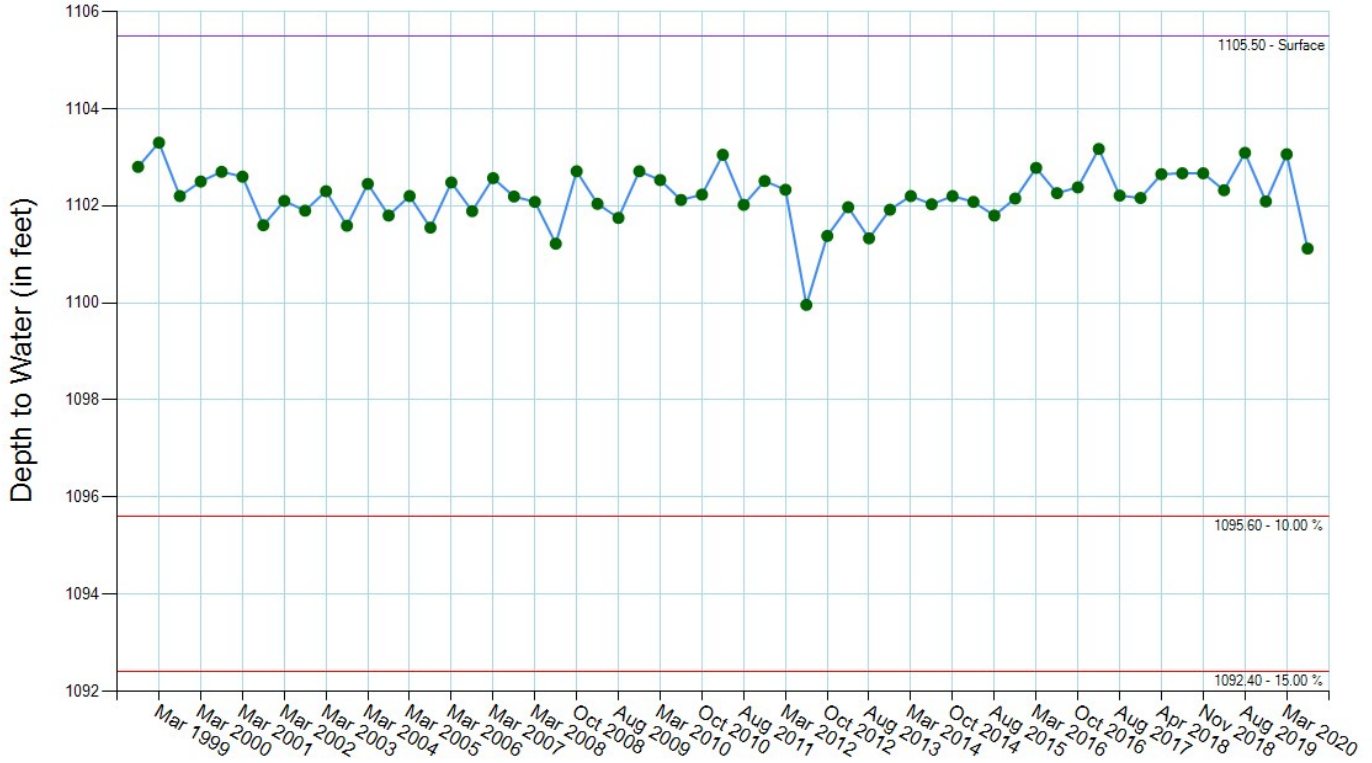
Region: Platte V.

County: Saunders

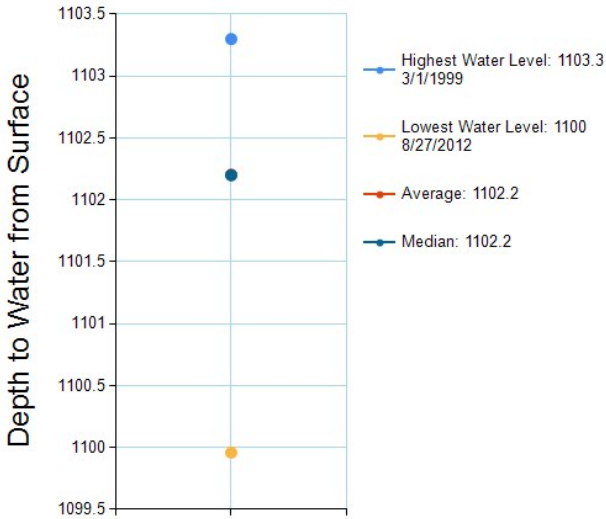
Legal: 14-9E-12

Owner Name: Lower Platte North Natural Resources District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

11/01/1998 - 1102.8	10/31/2005 - 1101.5	03/29/2011 - 1103	10/29/2015 - 1102.1
03/01/1999 - 1103.3	03/29/2006 - 1102.5	08/26/2011 - 1102	03/28/2016 - 1102.8
11/01/1999 - 1102.2	10/30/2006 - 1101.9	10/28/2011 - 1102.5	08/25/2016 - 1102.3
03/01/2000 - 1102.5	03/29/2007 - 1102.6	03/29/2012 - 1102.3	10/31/2016 - 1102.4
11/01/2000 - 1102.7	10/30/2007 - 1102.2	08/27/2012 - 1100	03/31/2017 - 1103.2
03/01/2001 - 1102.6	03/28/2008 - 1102.1	10/30/2012 - 1101.4	08/24/2017 - 1102.2
11/01/2001 - 1101.6	08/26/2008 - 1101.2	03/29/2013 - 1102	10/30/2017 - 1102.2
03/01/2002 - 1102.1	10/30/2008 - 1102.7	08/26/2013 - 1101.3	04/04/2018 - 1102.6
11/01/2002 - 1101.9	03/30/2009 - 1102	10/29/2013 - 1101.9	08/21/2018 - 1102.7
03/01/2003 - 1102.3	08/27/2009 - 1101.7	03/31/2014 - 1102.2	11/01/2018 - 1102.7
10/30/2003 - 1101.6	10/30/2009 - 1102.7	08/26/2014 - 1102	04/02/2019 - 1102.3
03/29/2004 - 1102.4	03/29/2010 - 1102.5	10/30/2014 - 1102.2	08/27/2019 - 1103.1
10/29/2004 - 1101.8	08/26/2010 - 1102.1	03/30/2015 - 1102.1	10/30/2019 - 1102.1
03/29/2005 - 1102.2	10/29/2010 - 1102.2	08/31/2015 - 1101.8	03/31/2020 - 1103.1
			08/24/2020 - 1101.1

RegCD: G-098488

Well #: 98-01 (N.NOP)

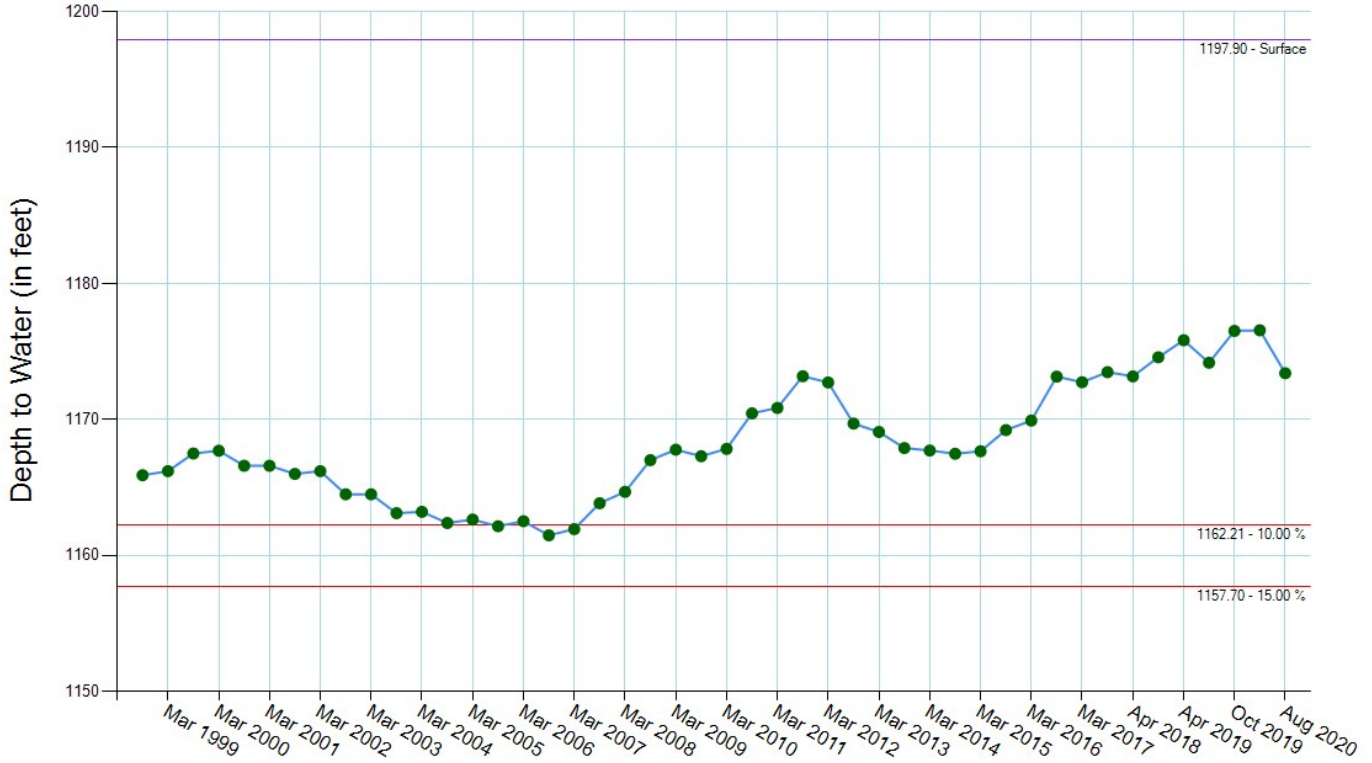
Region: Todd V

County: Saunders

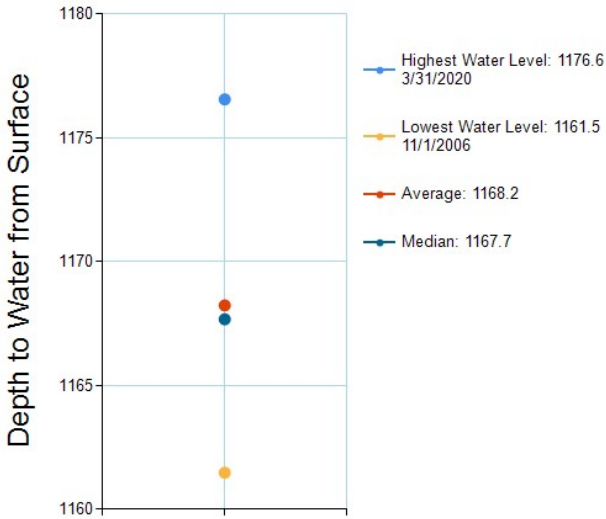
Legal: 14-8E-2

Owner Name: Lower Platte North Natural Resources District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

11/01/1998 - 1165.9	11/01/2004 - 1162.4	03/01/2010 - 1167.8	03/01/2016 - 1169.9
03/01/1999 - 1166.2	03/01/2005 - 1162.6	11/01/2010 - 1170.4	11/01/2016 - 1173.1
11/01/1999 - 1167.5	11/01/2005 - 1162.1	03/01/2011 - 1170.8	03/01/2017 - 1172.7
03/01/2000 - 1167.7	03/01/2006 - 1162.5	11/01/2011 - 1173.2	11/01/2017 - 1173.5
11/01/2000 - 1166.6	11/01/2006 - 1161.5	03/01/2012 - 1172.7	04/04/2018 - 1173.2
03/01/2001 - 1166.6	03/01/2007 - 1161.9	11/01/2012 - 1169.7	11/01/2018 - 1174.6
11/01/2001 - 1166	11/01/2007 - 1163.8	03/01/2013 - 1169.1	04/02/2019 - 1175.8
03/01/2002 - 1166.2	03/01/2008 - 1164.7	11/01/2013 - 1167.9	08/27/2019 - 1174.2
11/01/2002 - 1164.5	11/01/2008 - 1167	03/01/2014 - 1167.7	10/28/2019 - 1176.5
03/01/2003 - 1164.5	03/01/2009 - 1167.8	11/01/2014 - 1167.5	03/31/2020 - 1176.6
11/01/2003 - 1163.1	11/01/2009 - 1167.3	03/01/2015 - 1167.7	08/24/2020 - 1173.4
03/01/2004 - 1163.2		11/01/2015 - 1169.2	

RegCD: G-098489

Well #: 98-02 (Brabec)

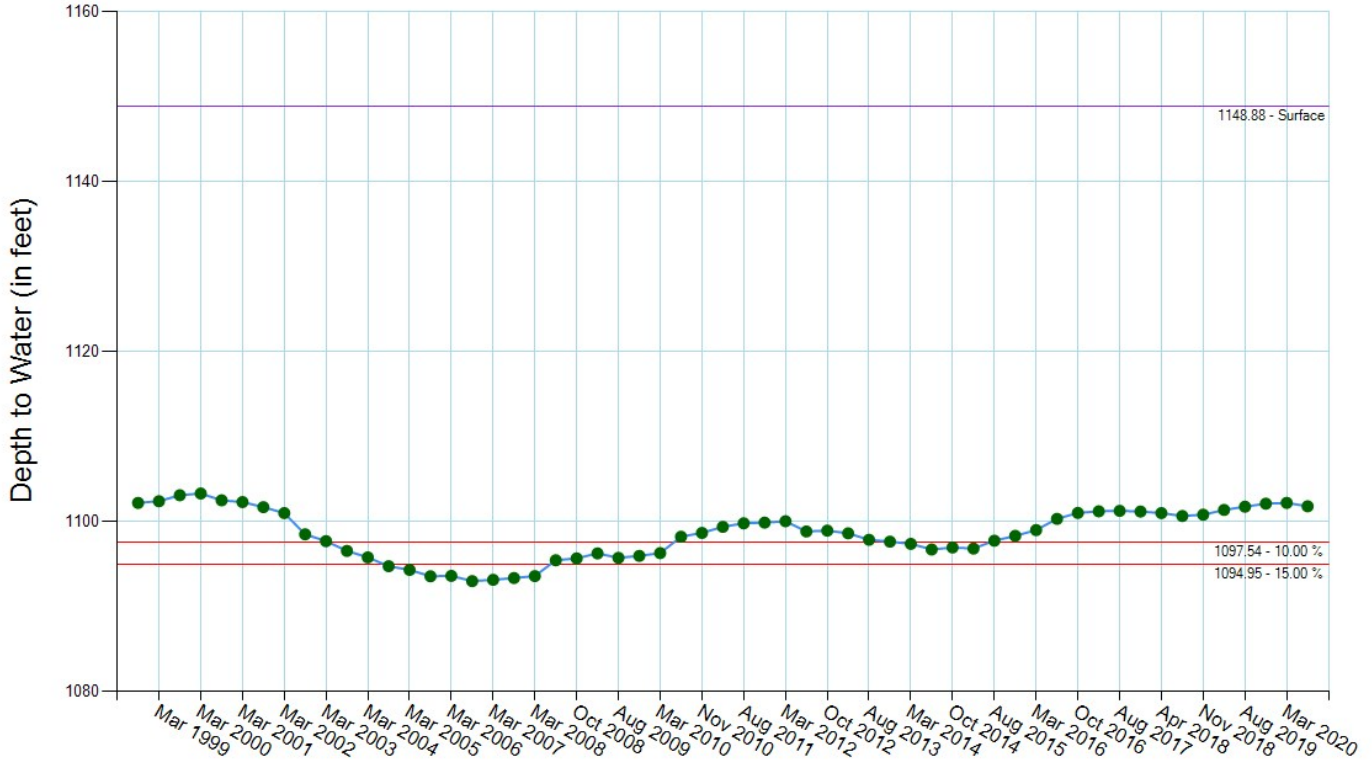
Region: Todd V

County: Saunders

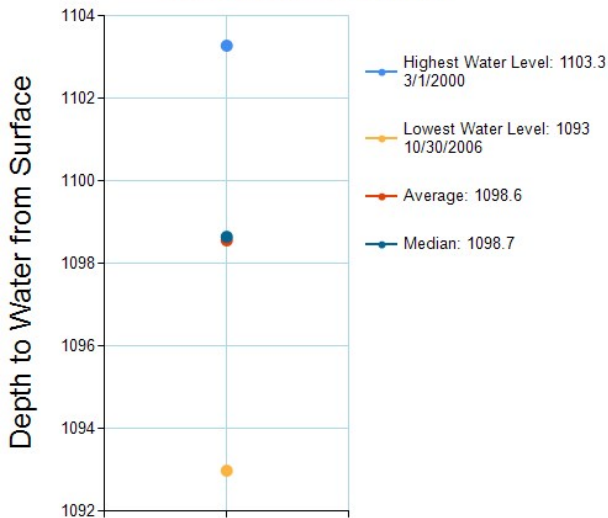
Legal: 13-9E-6

Owner Name: Richard S Brabec

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

11/01/1998 - 1102.2	10/31/2005 - 1093.6	03/29/2011 - 1099.4	10/29/2015 - 1098.3
03/01/1999 - 1102.4	03/29/2006 - 1093.6	08/26/2011 - 1099.8	03/28/2016 - 1099
11/01/1999 - 1103.1	10/30/2006 - 1093	10/28/2011 - 1099.9	08/25/2016 - 1100.3
03/01/2000 - 1103.3	03/29/2007 - 1093.1	03/29/2012 - 1100	10/31/2016 - 1101
11/01/2000 - 1102.5	10/30/2007 - 1093.3	08/27/2012 - 1098.8	03/31/2017 - 1101.2
03/01/2001 - 1102.3	03/28/2008 - 1093.6	10/30/2012 - 1098.9	08/24/2017 - 1101.2
11/01/2001 - 1101.7	08/26/2008 - 1095.4	03/29/2013 - 1098.6	10/30/2017 - 1101.2
03/01/2002 - 1101	10/30/2008 - 1095.7	08/26/2013 - 1097.8	04/04/2018 - 1101
11/01/2002 - 1098.5	03/30/2009 - 1096.2	10/29/2013 - 1097.6	08/21/2018 - 1100.6
03/31/2003 - 1097.7	08/27/2009 - 1095.7	03/31/2014 - 1097.4	11/01/2018 - 1100.8
10/30/2003 - 1096.5	10/30/2009 - 1096	08/26/2014 - 1096.7	04/02/2019 - 1101.4
03/29/2004 - 1095.8	03/29/2010 - 1096.3	10/30/2014 - 1096.9	08/27/2019 - 1101.7
10/29/2004 - 1094.7	08/26/2010 - 1098.2	03/30/2015 - 1096.8	10/28/2019 - 1102.1
03/29/2005 - 1094.3	11/29/2010 - 1098.7	08/31/2015 - 1097.7	03/31/2020 - 1102.2
			08/24/2020 - 1101.8

RegCD: G-098490

Well #: 98-03 (Hanson)

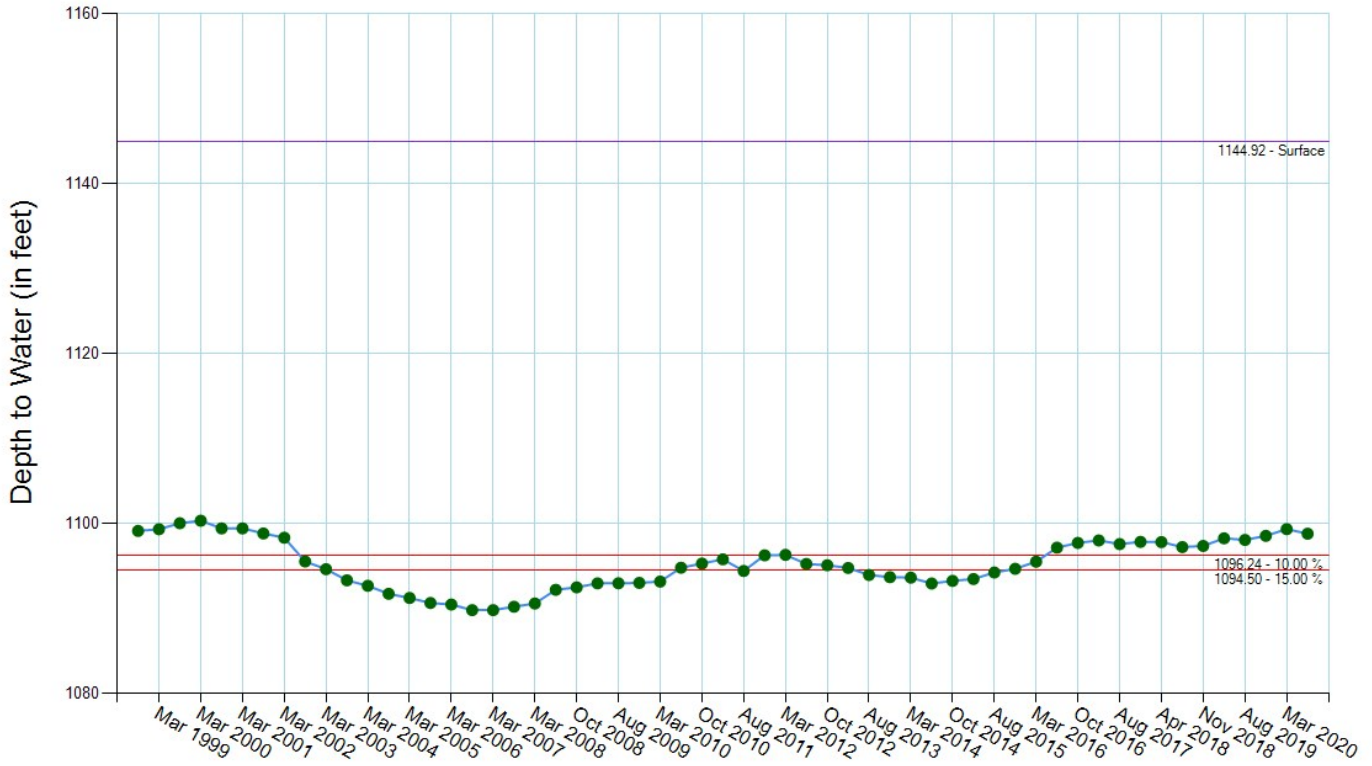
Region: Todd V

County: Saunders

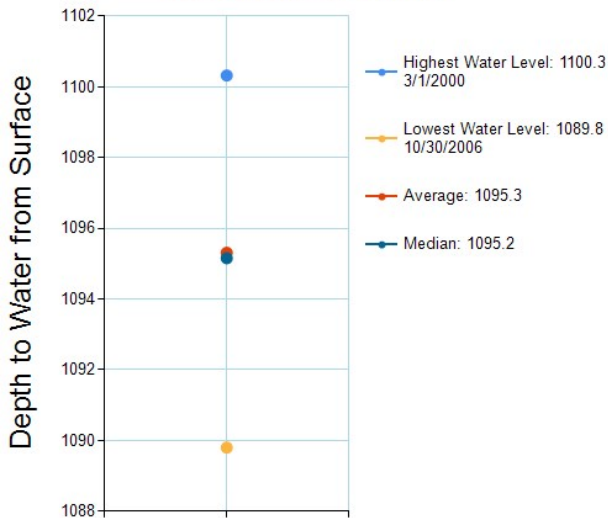
Legal: 13-9E-5

Owner Name: Robert Newsham

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

11/01/1998 - 1099.1	10/31/2005 - 1090.6	03/29/2011 - 1095.8	03/28/2016 - 1095.5
11/01/1998 - 1099.1	03/29/2006 - 1090.5	08/26/2011 - 1094.4	08/25/2016 - 1097.2
03/01/1999 - 1099.3	10/30/2006 - 1089.8	10/28/2011 - 1096.3	10/31/2016 - 1097.7
11/01/1999 - 1100	03/29/2007 - 1089.8	03/29/2012 - 1096.3	03/31/2017 - 1098
03/01/2000 - 1100.3	10/30/2007 - 1090.2	08/27/2012 - 1095.2	08/24/2017 - 1097.6
11/01/2000 - 1099.4	03/28/2008 - 1090.6	10/30/2012 - 1095.1	10/30/2017 - 1097.8
03/01/2001 - 1099.4	08/26/2008 - 1092.2	03/29/2013 - 1094.8	04/04/2018 - 1097.8
11/01/2001 - 1098.8	10/30/2008 - 1092.5	08/26/2013 - 1093.9	08/21/2018 - 1097.2
03/01/2002 - 1098.3	03/30/2009 - 1093	10/29/2013 - 1093.7	11/01/2018 - 1097.4
11/01/2002 - 1095.5	08/27/2009 - 1093	03/31/2014 - 1093.6	04/02/2019 - 1098.3
03/31/2003 - 1094.6	10/30/2009 - 1093	08/26/2014 - 1092.9	08/27/2019 - 1098.1
10/30/2003 - 1093.3	03/29/2010 - 1093.2	10/30/2014 - 1093.2	10/28/2019 - 1098.5
03/29/2004 - 1092.7	08/26/2010 - 1094.8	03/30/2015 - 1093.5	03/31/2020 - 1099.3
10/29/2004 - 1091.7	10/29/2010 - 1095.3	08/31/2015 - 1094.2	08/24/2020 - 1098.8
03/29/2005 - 1091.2		10/29/2015 - 1094.7	

RegCD: G-098491

Well #: 98-04 (Frahm)

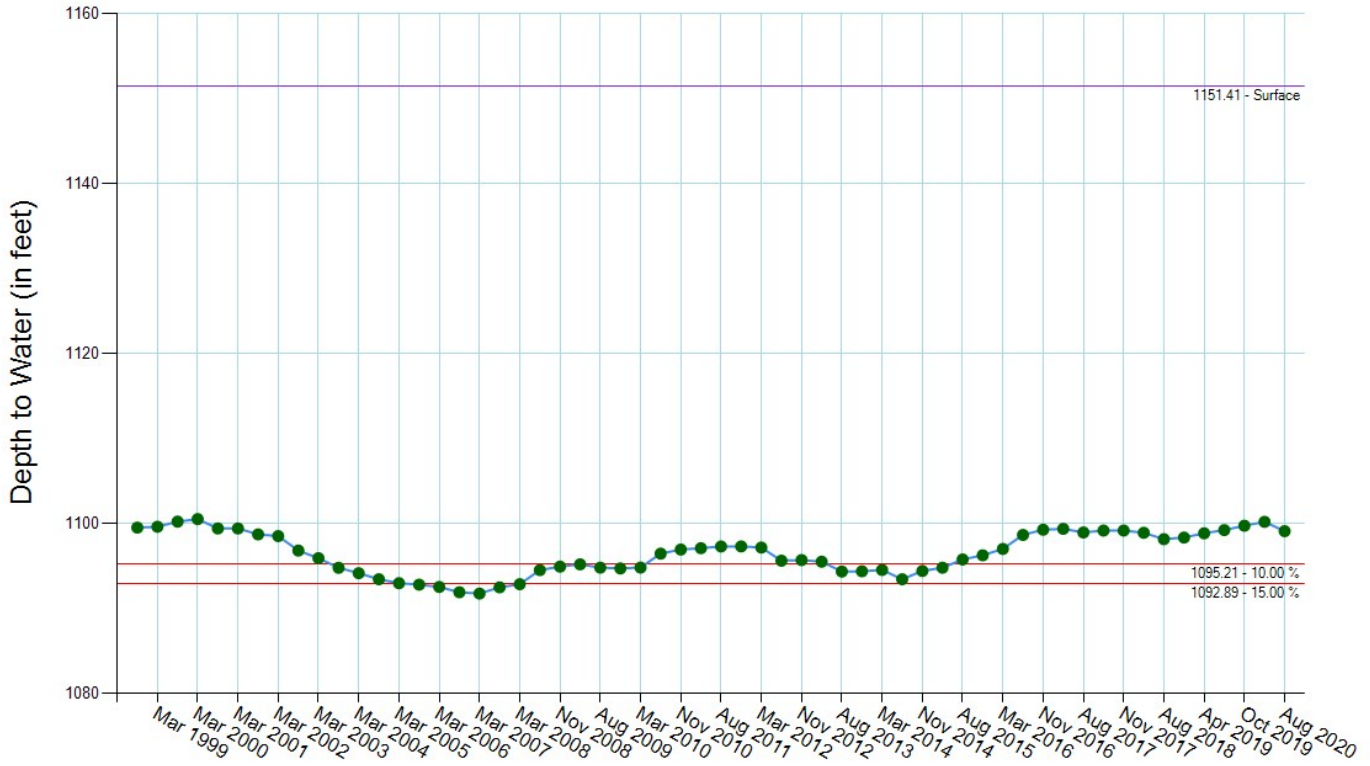
Region: Todd V

County: Saunders

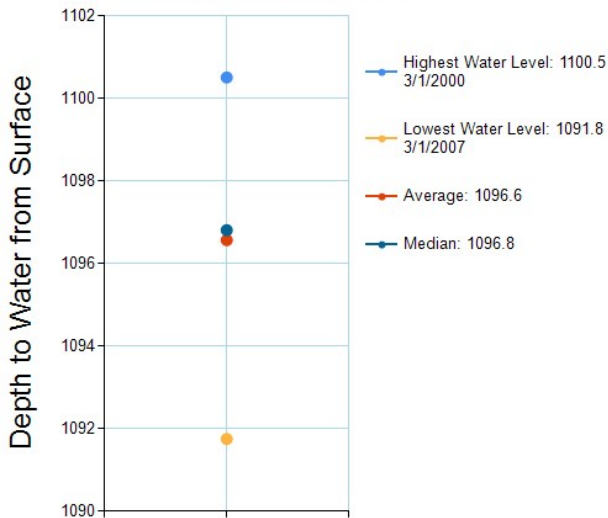
Legal: 13-9E-4

Owner Name: Steven Frahm

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

11/01/1998 - 1099.5	11/01/2005 - 1092.8	08/26/2011 - 1097.3	08/25/2016 - 1098.7
11/01/1998 - 1099.5	03/01/2006 - 1092.5	11/01/2011 - 1097.3	11/01/2016 - 1099.3
03/01/1999 - 1099.6	11/01/2006 - 1091.9	03/01/2012 - 1097.2	03/01/2017 - 1099.4
11/01/1999 - 1100.2	03/01/2007 - 1091.8	08/27/2012 - 1095.6	08/24/2017 - 1098.9
03/01/2000 - 1100.5	11/01/2007 - 1092.5	11/01/2012 - 1095.7	10/30/2017 - 1099.2
11/01/2000 - 1099.4	03/01/2008 - 1092.9	03/01/2013 - 1095.5	11/01/2017 - 1099.2
03/01/2001 - 1099.4	08/26/2008 - 1094.5	08/26/2013 - 1094.3	04/04/2018 - 1098.9
11/01/2001 - 1098.7	11/01/2008 - 1094.9	11/01/2013 - 1094.4	08/21/2018 - 1098.2
03/01/2002 - 1098.5	03/01/2009 - 1095.2	03/01/2014 - 1094.5	11/01/2018 - 1098.3
11/01/2002 - 1096.8	08/27/2009 - 1094.8	08/26/2014 - 1093.4	04/02/2019 - 1098.8
03/01/2003 - 1095.9	11/01/2009 - 1094.7	11/01/2014 - 1094.4	08/27/2019 - 1099.2
11/01/2003 - 1094.8	03/01/2010 - 1094.8	03/01/2015 - 1094.8	10/28/2019 - 1099.7
03/01/2004 - 1094.2	08/26/2010 - 1096.5	08/31/2015 - 1095.8	03/31/2020 - 1100.2
11/01/2004 - 1093.4	11/01/2010 - 1096.9	11/01/2015 - 1096.3	08/24/2020 - 1099.1
03/01/2005 - 1093	03/01/2011 - 1097.1	03/01/2016 - 1097	

RegCD: G-145118

Well #: 06-20

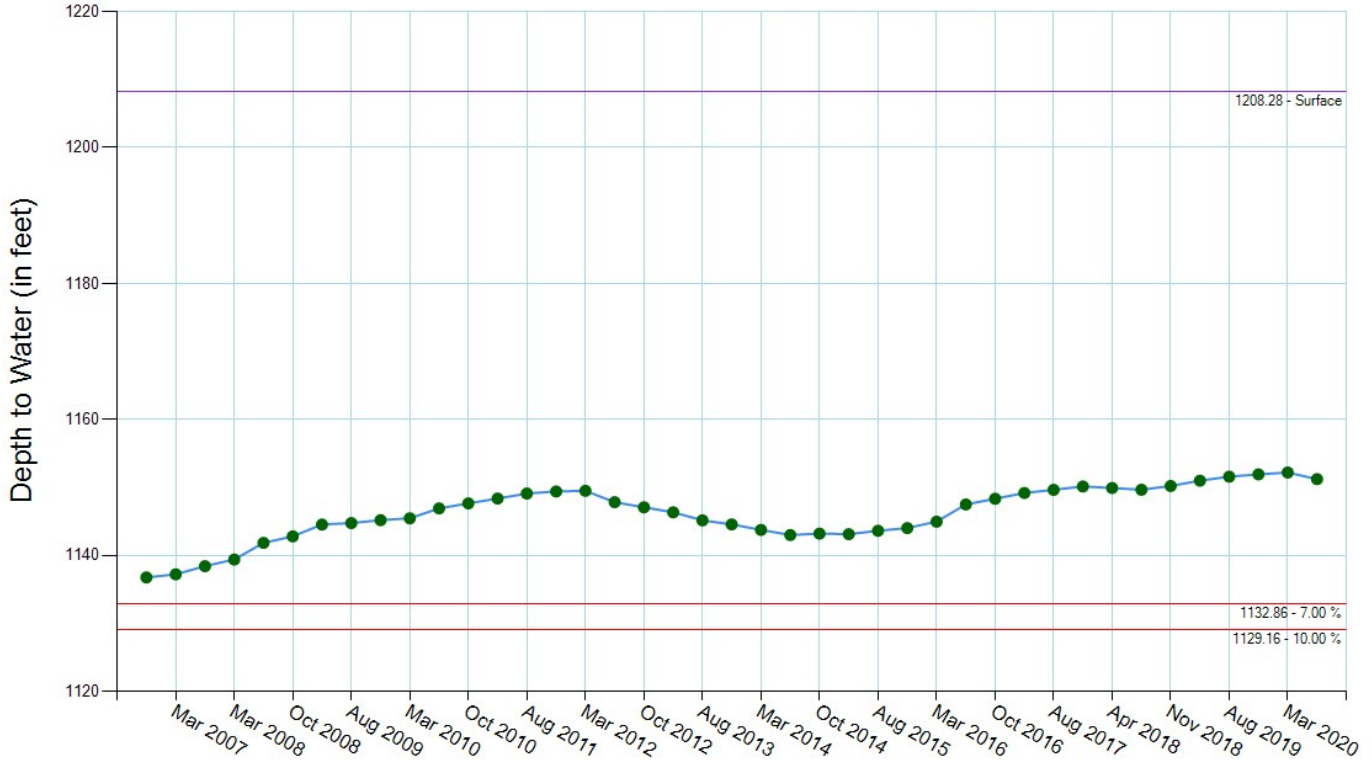
Region: Uplands

County: Saunders

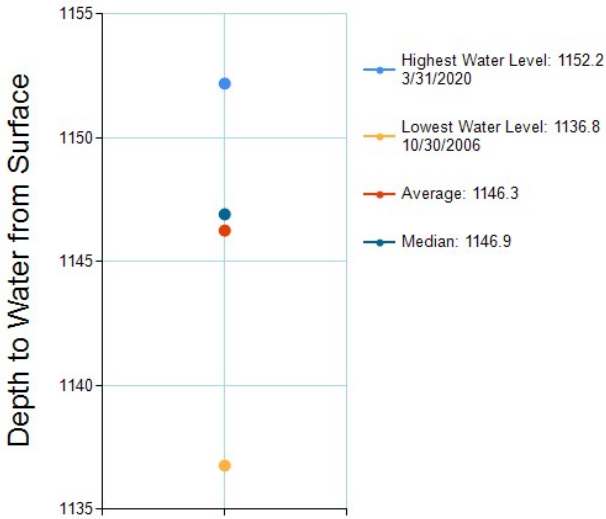
Legal: 14-9E-3

Owner Name: Lower Platte North Natural Resources District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

10/30/2006 - 1136.8	08/26/2010 - 1146.9	10/29/2013 - 1144.6	03/31/2017 - 1149.2
03/29/2007 - 1137.2	10/29/2010 - 1147.7	03/31/2014 - 1143.8	08/24/2017 - 1149.6
10/30/2007 - 1138.4	03/29/2011 - 1148.4	08/26/2014 - 1143	10/30/2017 - 1150.1
03/28/2008 - 1139.4	08/26/2011 - 1149.1	10/30/2014 - 1143.2	04/04/2018 - 1149.9
08/26/2008 - 1141.8	10/28/2011 - 1149.4	03/30/2015 - 1143.1	08/21/2018 - 1149.7
10/30/2008 - 1142.8	03/29/2012 - 1149.5	08/31/2015 - 1143.6	11/01/2018 - 1150.2
03/30/2009 - 1144.5	08/27/2012 - 1147.8	10/29/2015 - 1144	04/02/2019 - 1151
08/27/2009 - 1144.8	10/30/2012 - 1147.1	03/28/2016 - 1145	08/27/2019 - 1151.6
10/30/2009 - 1145.2	03/29/2013 - 1146.3	08/25/2016 - 1147.5	10/23/2019 - 1151.9
03/29/2010 - 1145.5	08/26/2013 - 1145.2	10/31/2016 - 1148.3	03/31/2020 - 1152.2
			08/24/2020 - 1151.2

RegCD: G-145119

Well #: 06-18

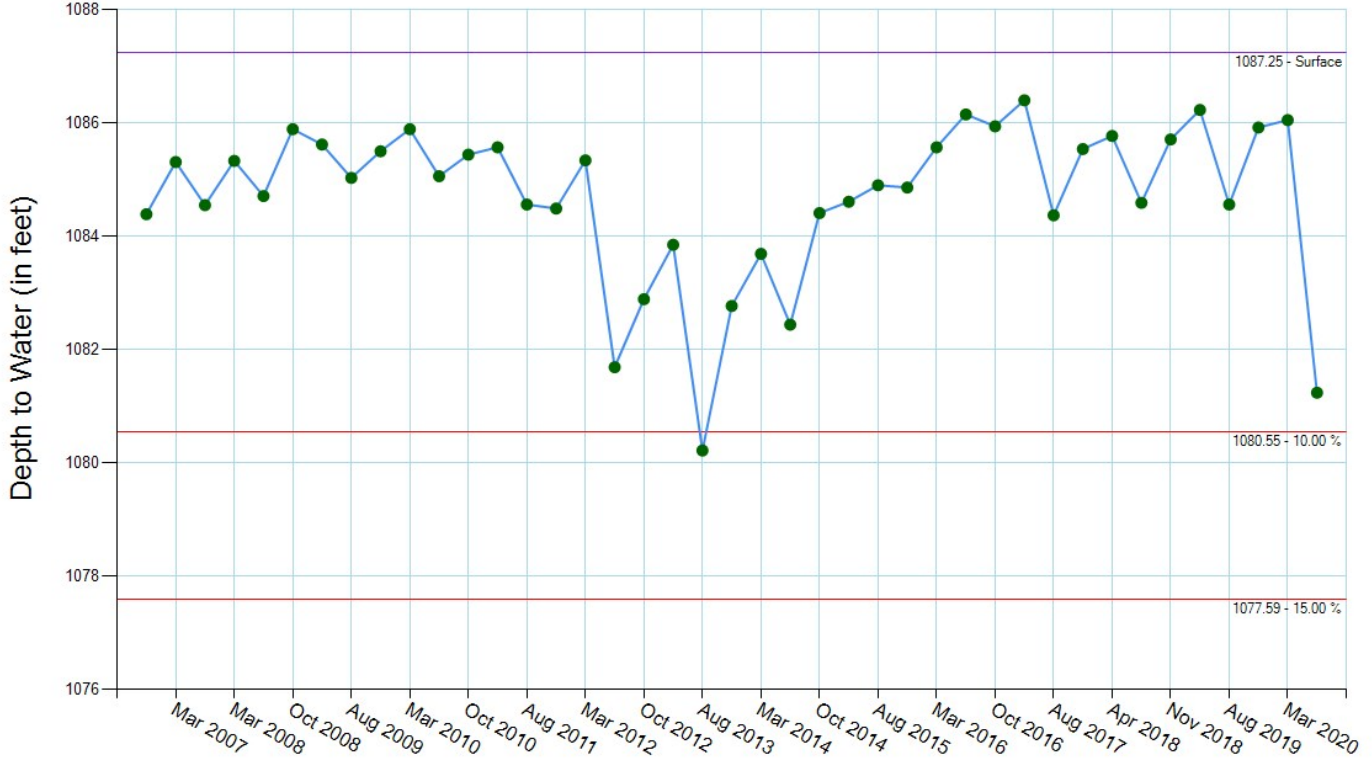
Region: Platte V.

County: Saunders

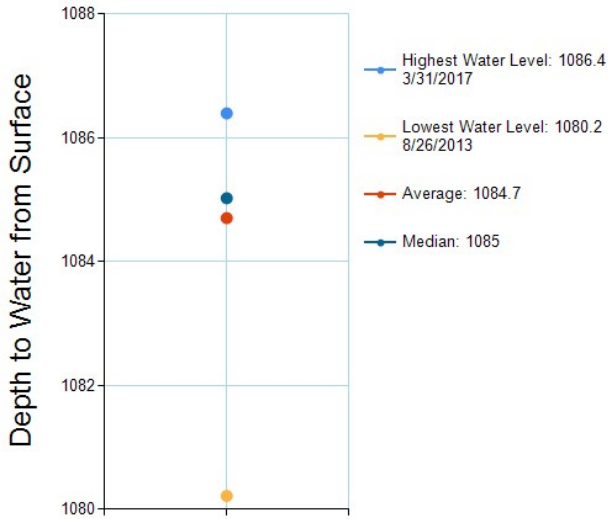
Legal: 14-9E-26

Owner Name: Lower Platte North Natural Resources District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

10/30/2006 - 1084.4	08/26/2010 - 1085.1	10/29/2013 - 1082.8	03/31/2017 - 1086.4
03/29/2007 - 1085.3	10/29/2010 - 1085.4	03/31/2014 - 1083.7	08/24/2017 - 1084.4
10/30/2007 - 1084.5	03/29/2011 - 1085.6	08/26/2014 - 1082.4	10/30/2017 - 1085.5
03/28/2008 - 1085.3	08/26/2011 - 1084.6	10/30/2014 - 1084.4	04/04/2018 - 1085.8
08/26/2008 - 1084.7	10/28/2011 - 1084.5	03/30/2015 - 1084.6	08/21/2018 - 1084.6
10/30/2008 - 1085.9	03/29/2012 - 1085.3	08/31/2015 - 1084.9	11/01/2018 - 1085.7
03/30/2009 - 1085.6	08/27/2012 - 1081.7	10/29/2015 - 1084.9	04/02/2019 - 1086.2
08/27/2009 - 1085	10/30/2012 - 1082.9	03/28/2016 - 1085.6	08/27/2019 - 1084.6
10/30/2009 - 1085.5	03/29/2013 - 1083.8	08/25/2016 - 1086.1	10/28/2019 - 1085.9
03/29/2010 - 1085.9	08/26/2013 - 1080.2	10/31/2016 - 1085.9	03/31/2020 - 1086
			08/24/2020 - 1081.2

RegCD: G-145120

Well #: 06-19

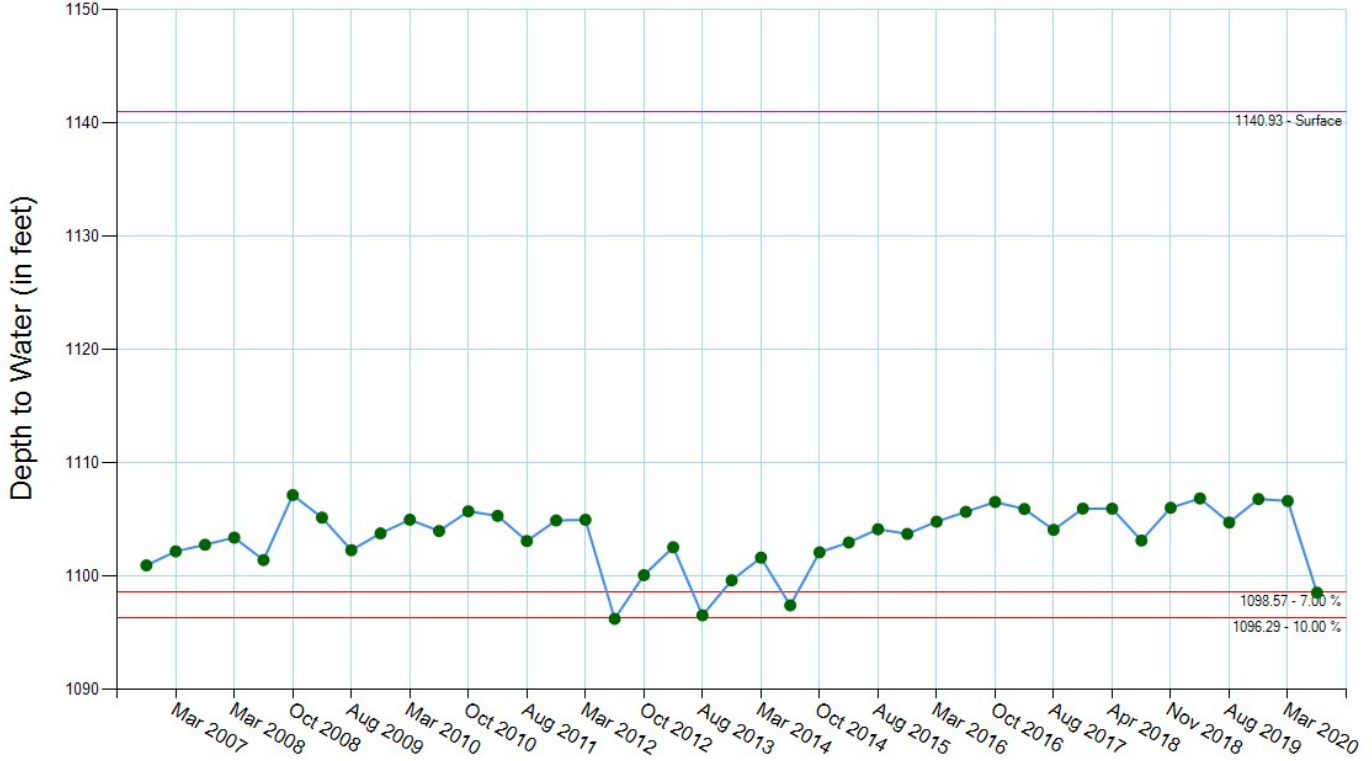
Region: Uplands

County: Saunders

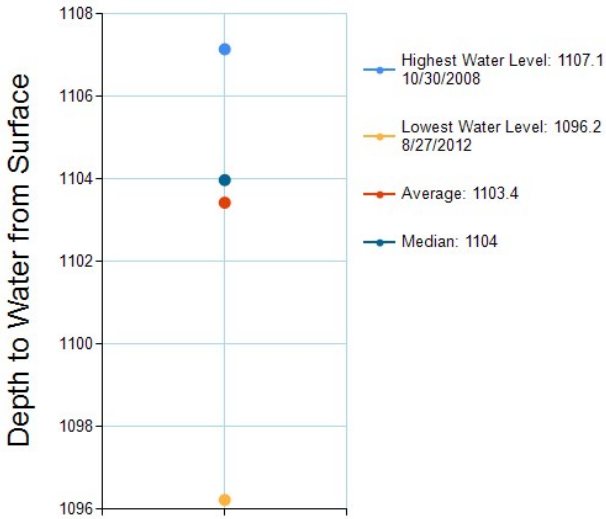
Legal: 14-9E-15

Owner Name: Lower Platte North Natural Resources District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

10/30/2006 - 1100.9	08/26/2010 - 1104	10/29/2013 - 1099.6	03/31/2017 - 1105.9
03/29/2007 - 1102.2	10/29/2010 - 1105.7	03/31/2014 - 1101.6	08/24/2017 - 1104.1
10/30/2007 - 1102.8	03/29/2011 - 1105.3	08/26/2014 - 1097.4	10/30/2017 - 1106
03/28/2008 - 1103.4	08/26/2011 - 1103.1	10/30/2014 - 1102.1	04/04/2018 - 1105.9
08/26/2008 - 1101.4	10/28/2011 - 1104.9	03/30/2015 - 1103	08/21/2018 - 1103.1
10/30/2008 - 1107.1	03/29/2012 - 1105	08/31/2015 - 1104.1	11/01/2018 - 1106
03/30/2009 - 1105.2	08/27/2012 - 1096.2	10/29/2015 - 1103.7	04/02/2019 - 1106.8
08/27/2009 - 1102.3	10/30/2012 - 1100.1	03/28/2016 - 1104.8	08/27/2019 - 1104.7
10/30/2009 - 1103.8	03/29/2013 - 1102.5	08/25/2016 - 1105.7	10/23/2019 - 1106.8
03/29/2010 - 1105	08/26/2013 - 1096.5	10/31/2016 - 1106.5	03/31/2020 - 1106.6
			08/24/2020 - 1098.5

RegCD: G-145121

Well #: 06-21

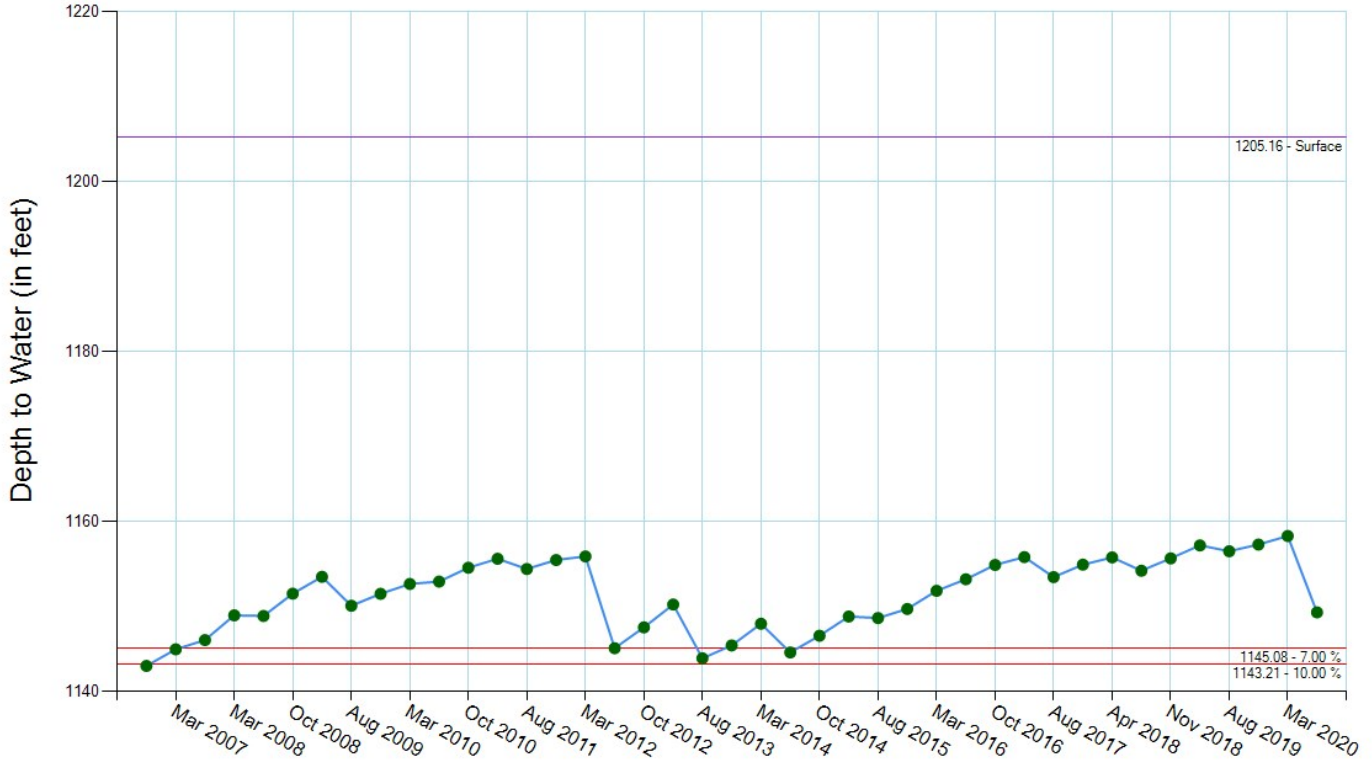
Region: Uplands

County: Saunders

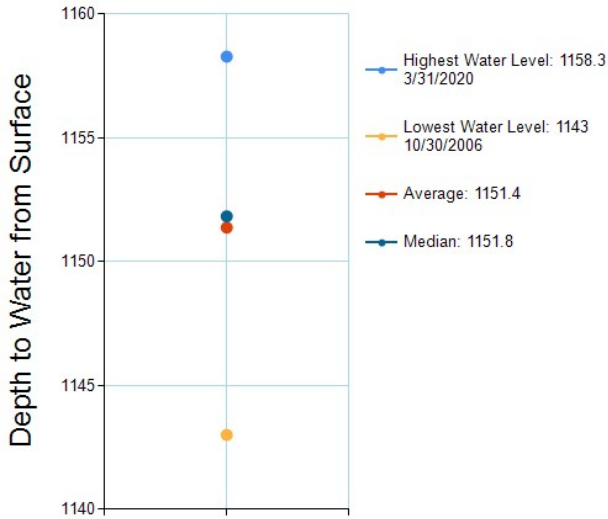
Legal: 14-9E-3

Owner Name: Lower Platte North Natural Resources District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

10/30/2006 - 1143	08/26/2010 - 1152.9	10/29/2013 - 1145.4	03/31/2017 - 1155.8
03/29/2007 - 1145	10/29/2010 - 1154.6	03/31/2014 - 1148	08/24/2017 - 1153.5
10/30/2007 - 1146	03/29/2011 - 1155.6	08/26/2014 - 1144.6	10/30/2017 - 1154.9
03/28/2008 - 1149	08/26/2011 - 1154.4	10/30/2014 - 1146.6	04/04/2018 - 1155.8
08/26/2008 - 1148.9	10/28/2011 - 1155.5	03/30/2015 - 1148.8	08/21/2018 - 1154.2
10/30/2008 - 1151.5	03/29/2012 - 1155.9	08/31/2015 - 1148.6	11/01/2018 - 1155.7
03/30/2009 - 1153.5	08/27/2012 - 1145.1	10/29/2015 - 1149.7	04/02/2019 - 1157.2
08/27/2009 - 1150.1	10/30/2012 - 1147.5	03/28/2016 - 1151.8	08/27/2019 - 1156.5
10/30/2009 - 1151.5	03/29/2013 - 1150.2	08/25/2016 - 1153.2	10/23/2019 - 1157.3
03/29/2010 - 1152.6	08/26/2013 - 1143.9	10/31/2016 - 1154.9	03/31/2020 - 1158.3
			08/24/2020 - 1149.3

RegCD: G-173993

Well #: S. Wann/Heldt

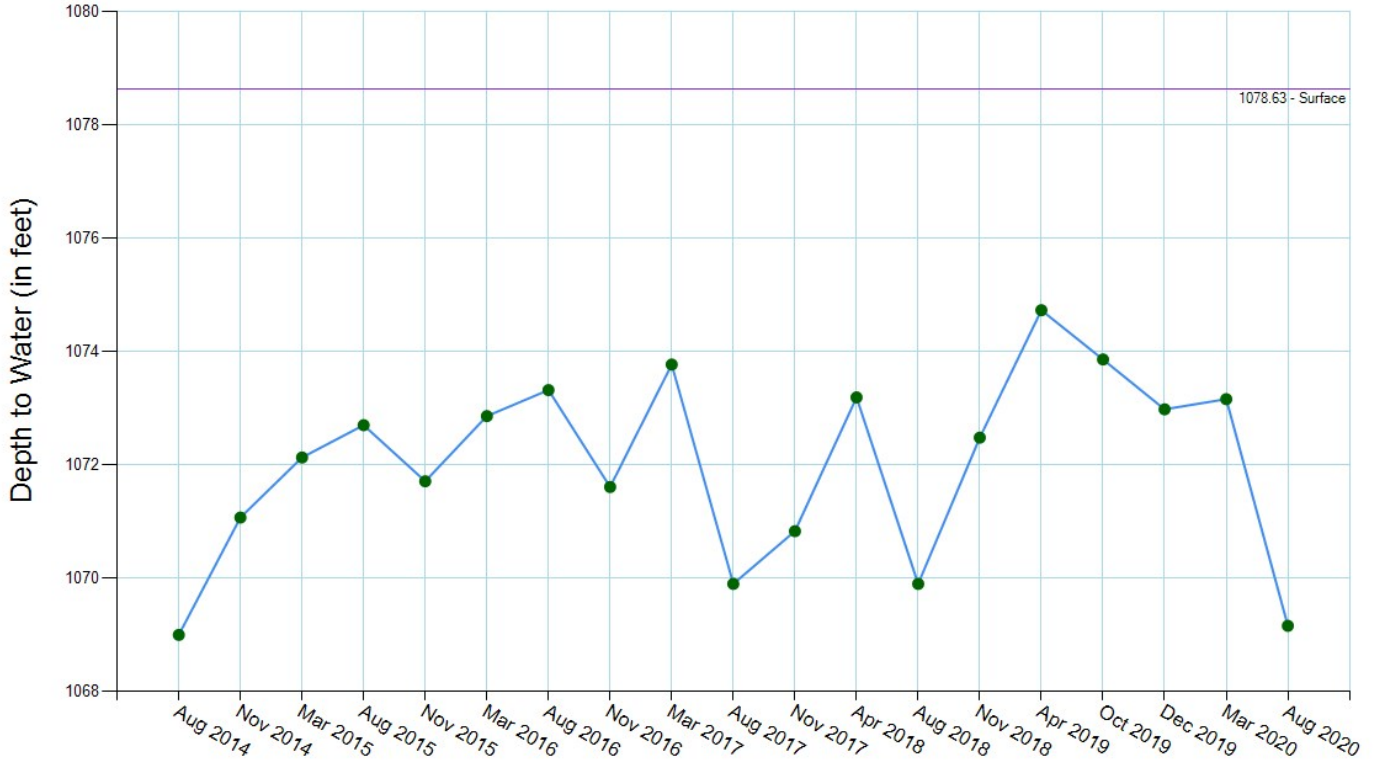
Region: Platte V.

County: Saunders

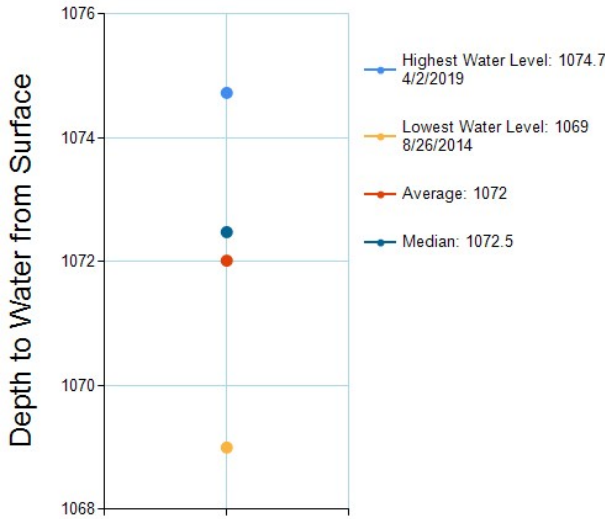
Legal: 13-9E-12

Owner Name: Lower Platte North Natural Resources District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

08/26/2014 - 1069	03/01/2016 - 1072.9	11/01/2017 - 1070.8	10/28/2019 - 1073.9
11/01/2014 - 1071.1	08/25/2016 - 1073.3	04/04/2018 - 1073.2	12/05/2019 - 1073
03/01/2015 - 1072.1	11/01/2016 - 1071.6	08/21/2018 - 1069.9	03/31/2020 - 1073.2
08/31/2015 - 1072.7	03/01/2017 - 1073.8	11/01/2018 - 1072.5	08/24/2020 - 1069.2
11/01/2015 - 1071.7	08/24/2017 - 1069.9	04/02/2019 - 1074.7	

RegCD: G-141403

Well #: 06-01

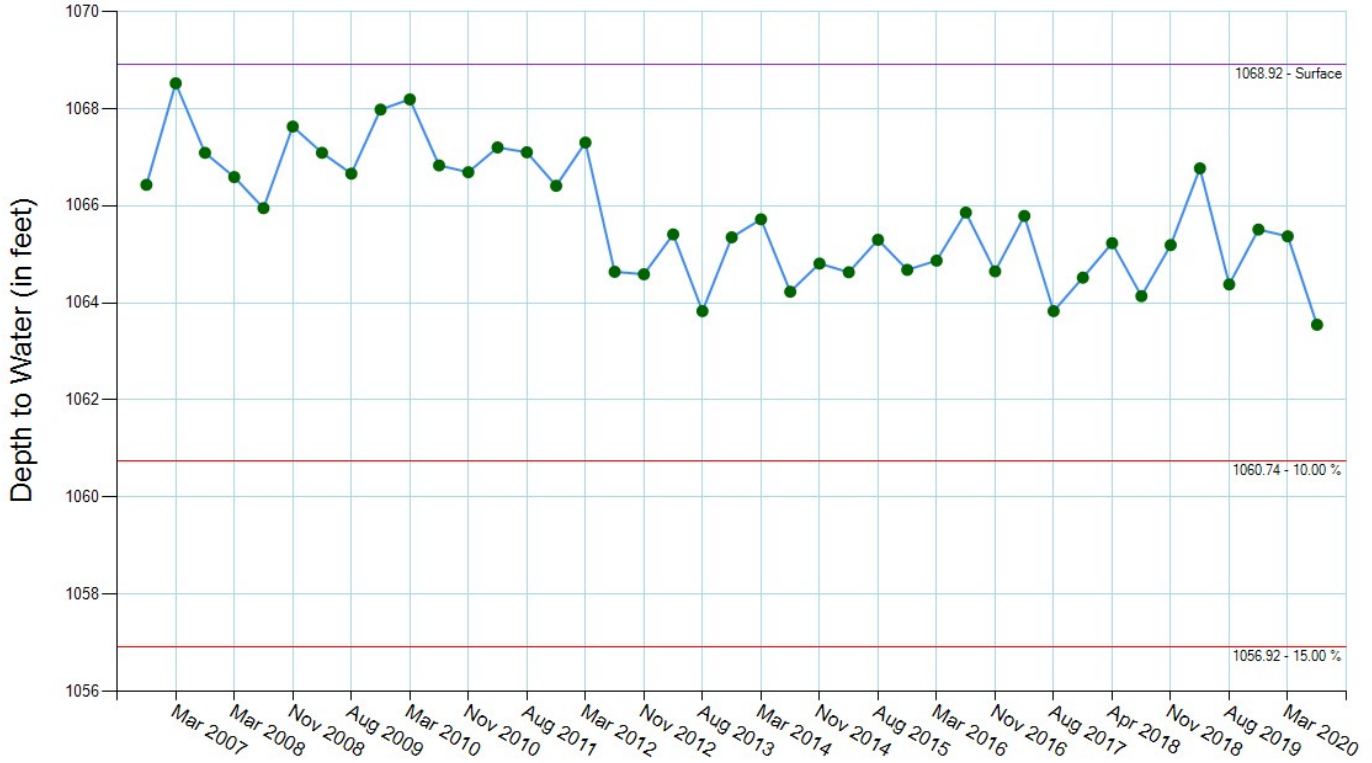
Region: Platte V.

County: Saunders

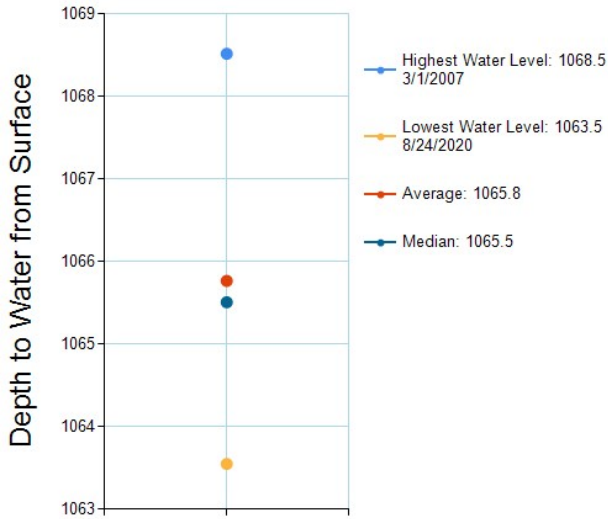
Legal: 13-9E-24

Owner Name: Lower Platte North Natural Resources District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

11/01/2006 - 1066.4	08/26/2010 - 1066.8	11/01/2013 - 1065.3	03/01/2017 - 1065.8
03/01/2007 - 1068.5	11/01/2010 - 1066.7	03/01/2014 - 1065.7	08/24/2017 - 1063.8
11/01/2007 - 1067.1	03/01/2011 - 1067.2	08/26/2014 - 1064.2	10/30/2017 - 1064.5
03/01/2008 - 1066.6	08/26/2011 - 1067.1	11/01/2014 - 1064.8	04/04/2018 - 1065.2
08/26/2008 - 1065.9	11/01/2011 - 1066.4	03/01/2015 - 1064.6	08/21/2018 - 1064.1
11/01/2008 - 1067.6	03/01/2012 - 1067.3	08/31/2015 - 1065.3	11/01/2018 - 1065.2
03/01/2009 - 1067.1	08/27/2012 - 1064.6	11/01/2015 - 1064.7	04/02/2019 - 1066.8
08/27/2009 - 1066.7	11/01/2012 - 1064.6	03/01/2016 - 1064.9	08/27/2019 - 1064.4
11/01/2009 - 1068	03/01/2013 - 1065.4	08/25/2016 - 1065.9	10/28/2019 - 1065.5
03/01/2010 - 1068.2	08/26/2013 - 1063.8	11/01/2016 - 1064.6	03/31/2020 - 1065.4
			08/24/2020 - 1063.5

RegCD: G-102612

Well #: MUD 90-10

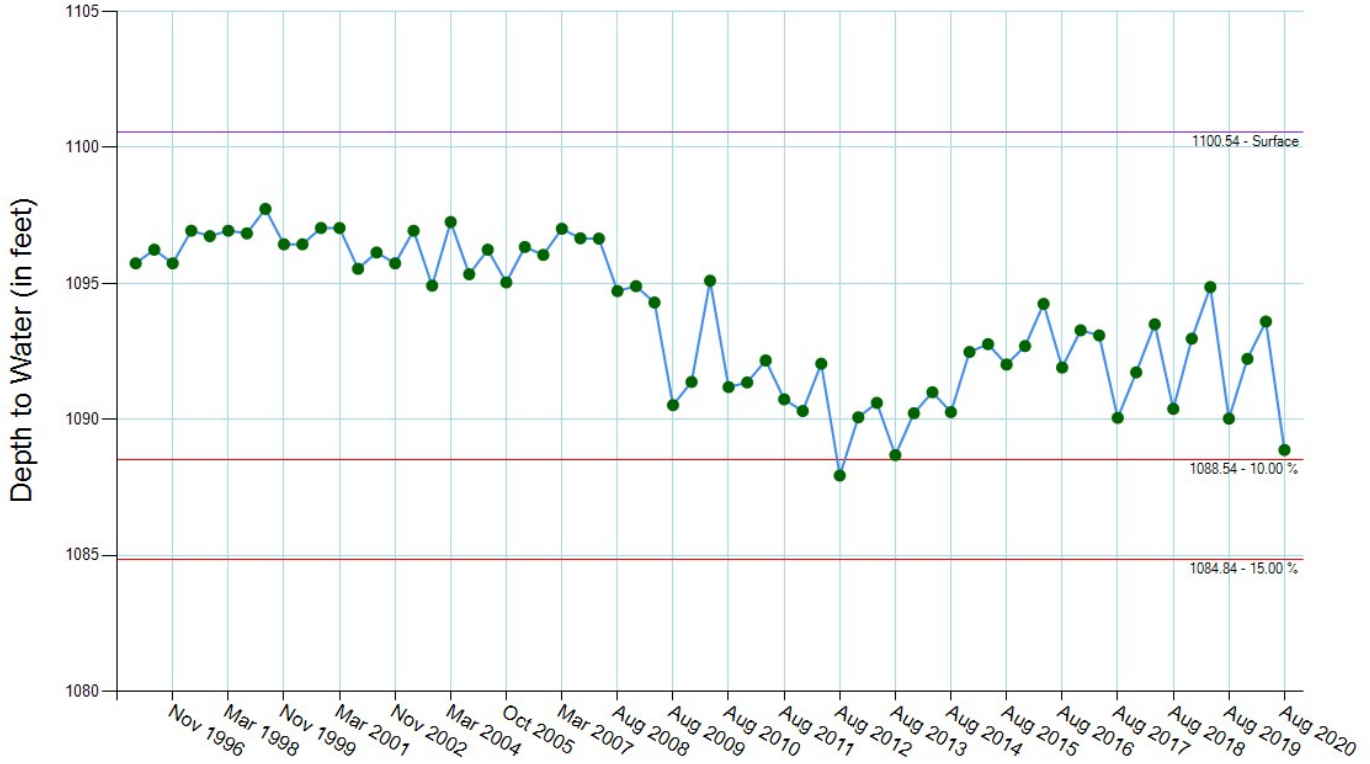
Region: Platte V.

County: Saunders

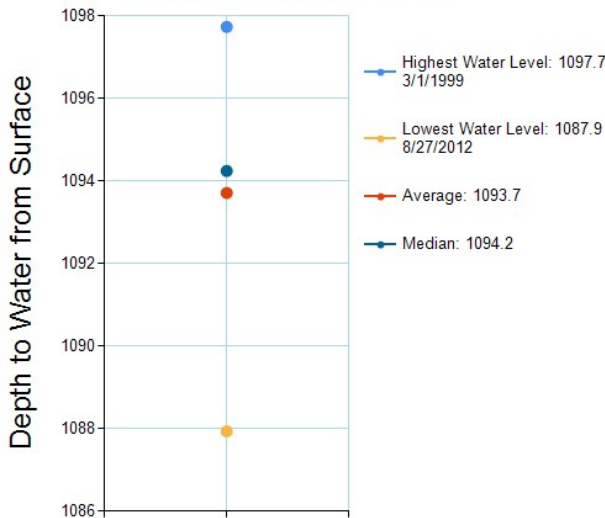
Legal: 14-10E-7

Owner Name: Metropolitan Utilities District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

11/01/1995 - 1095.7	11/30/2003 - 1094.9	08/26/2010 - 1091.2	10/29/2015 - 1092.7
03/01/1996 - 1096.2	03/29/2004 - 1097.3	10/29/2010 - 1091.4	03/28/2016 - 1094.2
11/01/1996 - 1095.7	10/29/2004 - 1095.3	03/29/2011 - 1092.2	08/25/2016 - 1091.9
03/01/1997 - 1096.9	03/29/2005 - 1096.2	08/26/2011 - 1090.7	10/31/2016 - 1093.3
11/01/1997 - 1096.7	10/31/2005 - 1095	10/28/2011 - 1090.3	03/31/2017 - 1093.1
03/01/1998 - 1096.9	03/29/2006 - 1096.3	03/29/2012 - 1092	08/24/2017 - 1090.1
11/01/1998 - 1096.8	10/30/2006 - 1096	08/27/2012 - 1087.9	10/30/2017 - 1091.7
03/01/1999 - 1097.7	03/29/2007 - 1097	10/30/2012 - 1090.1	04/04/2018 - 1093.5
11/01/1999 - 1096.4	10/30/2007 - 1096.7	03/29/2013 - 1090.6	08/21/2018 - 1090.4
03/01/2000 - 1096.4	03/28/2008 - 1096.6	08/26/2013 - 1088.7	11/01/2018 - 1093
11/01/2000 - 1097	08/26/2008 - 1094.7	10/29/2013 - 1090.2	04/02/2019 - 1094.9
03/01/2001 - 1097	10/30/2008 - 1094.9	03/31/2014 - 1091	08/27/2019 - 1090
11/01/2001 - 1095.5	03/30/2009 - 1094.3	08/26/2014 - 1090.3	10/28/2019 - 1092.2
03/01/2002 - 1096.1	08/27/2009 - 1090.5	10/30/2014 - 1092.5	03/31/2020 - 1093.6
11/01/2002 - 1095.7	10/30/2009 - 1091.4	03/30/2015 - 1092.8	08/24/2020 - 1088.9
03/31/2003 - 1096.9	03/29/2010 - 1095.1	08/31/2015 - 1092	

RegCD: G-100704

Well #: MUD 94-5

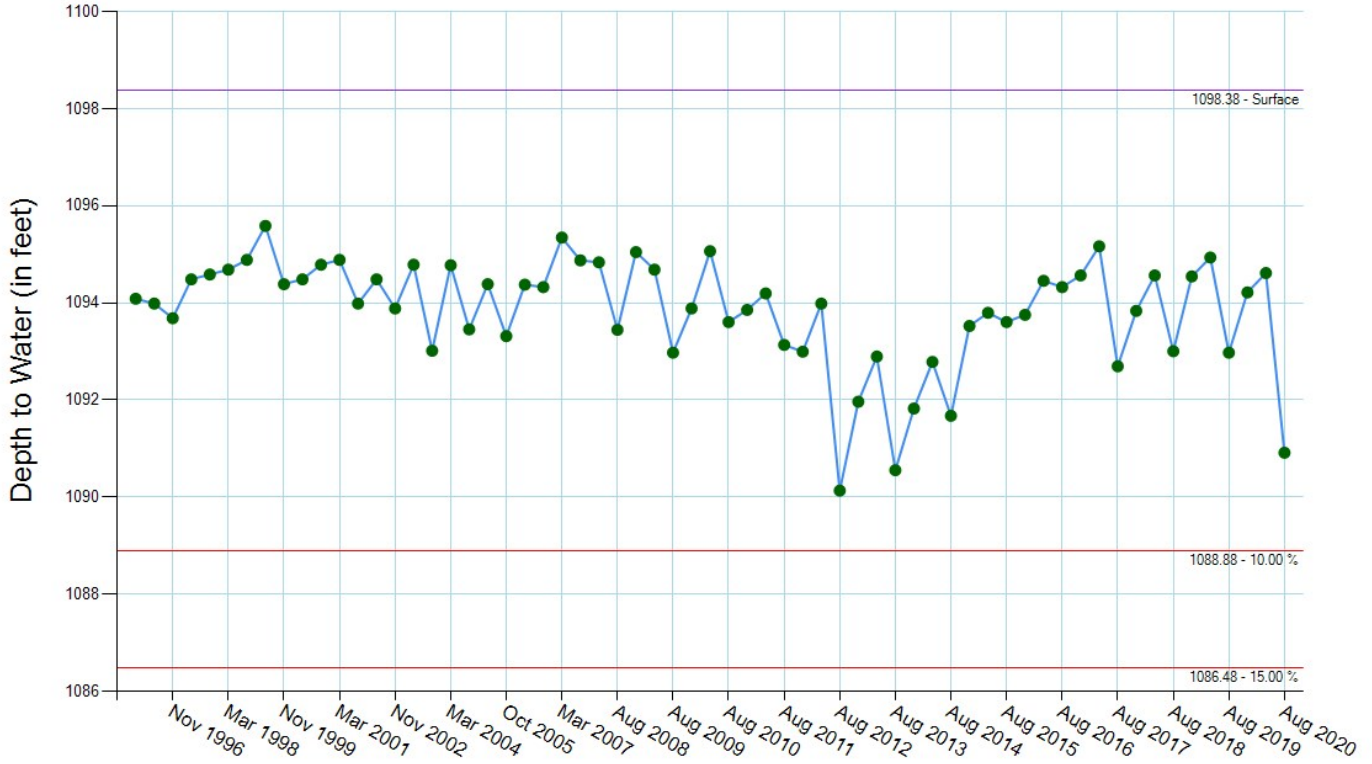
Region: Platte V.

County: Saunders

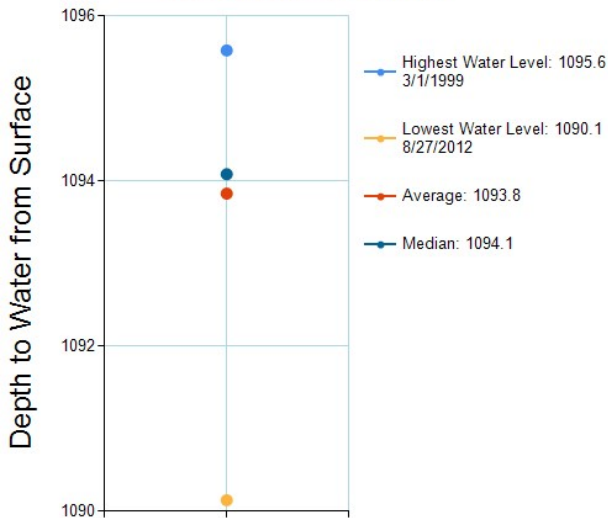
Legal: 14-9E-13

Owner Name: Metropolitan Utilities District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

11/01/1995 - 1094.1	10/30/2003 - 1093	08/26/2010 - 1093.6	10/29/2015 - 1093.8
03/01/1996 - 1094	03/29/2004 - 1094.8	10/29/2010 - 1093.9	03/28/2016 - 1094.5
11/01/1996 - 1093.7	10/29/2004 - 1093.5	03/29/2011 - 1094.2	08/25/2016 - 1094.3
03/01/1997 - 1094.5	03/29/2005 - 1094.4	08/26/2011 - 1093.1	10/31/2016 - 1094.6
11/01/1997 - 1094.6	10/31/2005 - 1093.3	10/28/2011 - 1093	03/31/2017 - 1095.2
03/01/1998 - 1094.7	03/29/2006 - 1094.4	03/29/2012 - 1094	08/24/2017 - 1092.7
11/01/1998 - 1094.9	10/30/2006 - 1094.3	08/27/2012 - 1090.1	10/30/2017 - 1093.8
03/01/1999 - 1095.6	03/29/2007 - 1095.3	10/30/2012 - 1092	04/04/2018 - 1094.6
11/01/1999 - 1094.4	10/30/2007 - 1094.9	03/29/2013 - 1092.9	08/21/2018 - 1093
03/01/2000 - 1094.5	03/28/2008 - 1094.8	08/26/2013 - 1090.6	11/01/2018 - 1094.5
11/01/2000 - 1094.8	08/26/2008 - 1093.4	10/29/2013 - 1091.8	04/02/2019 - 1094.9
03/01/2001 - 1094.9	10/30/2008 - 1095	03/31/2014 - 1092.8	08/27/2019 - 1093
11/01/2001 - 1094	03/30/2009 - 1094.7	08/26/2014 - 1091.7	10/28/2019 - 1094.2
03/01/2002 - 1094.5	08/27/2009 - 1093	10/30/2014 - 1093.5	03/31/2020 - 1094.6
11/01/2002 - 1093.9	10/30/2009 - 1093.9	03/30/2015 - 1093.8	08/24/2020 - 1090.9
03/01/2003 - 1094.8	03/29/2010 - 1095.1	08/31/2015 - 1093.6	

RegCD: G-100703

Well #: MUD 94-4

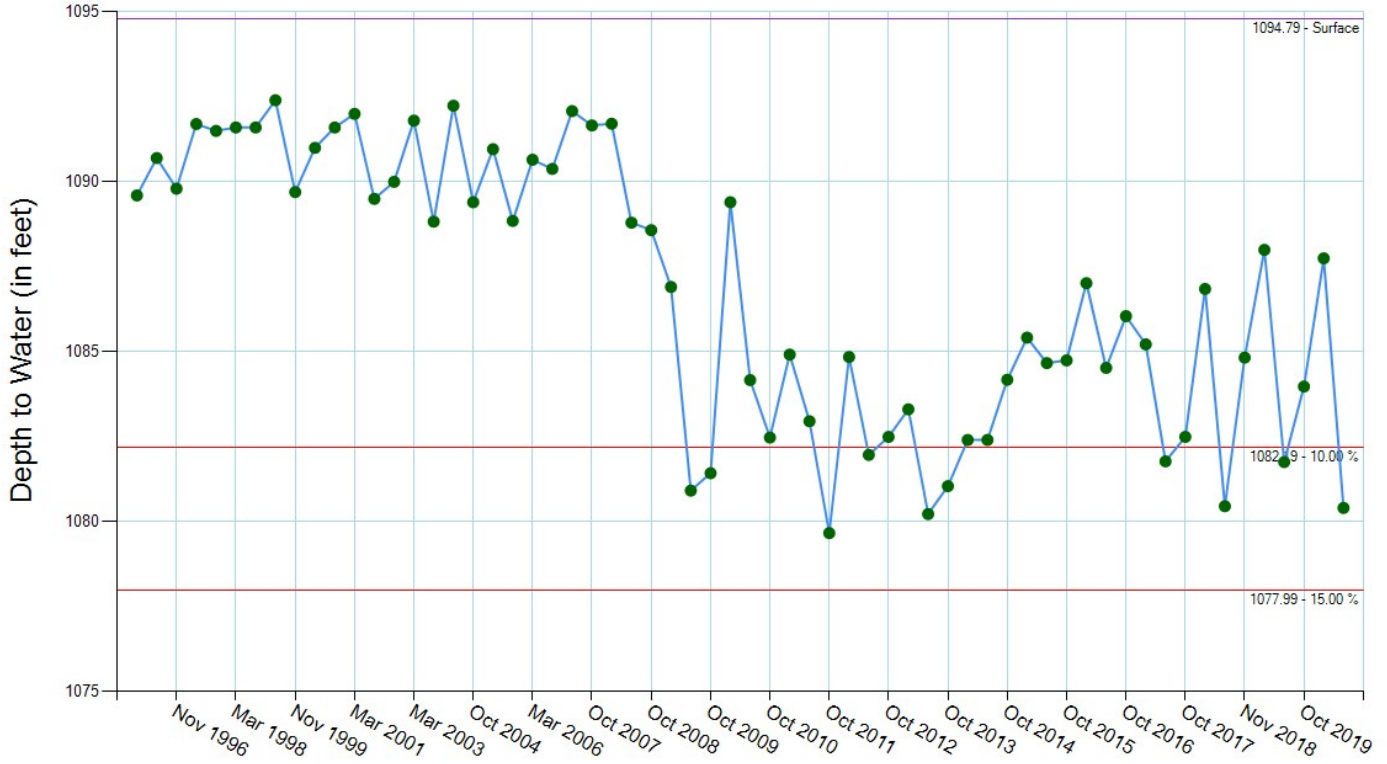
Region: Platte V.

County: Saunders

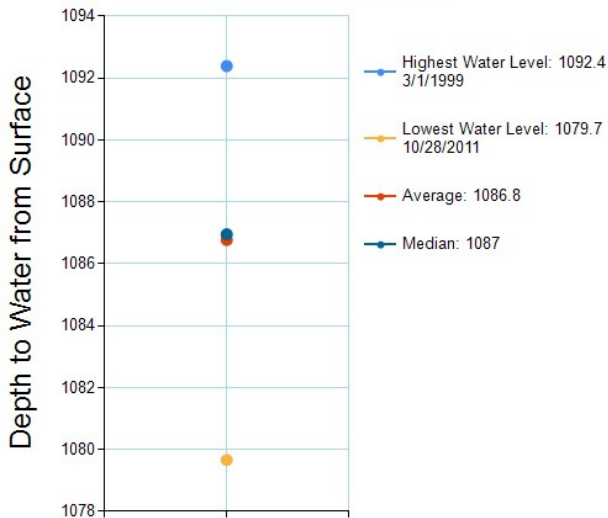
Legal: 14-10E-19

Owner Name: Metropolitan Utilities District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

11/01/1995 - 1089.6	03/29/2004 - 1092.2	08/26/2010 - 1084.2	10/29/2015 - 1084.7
03/01/1996 - 1090.7	10/29/2004 - 1089.4	10/29/2010 - 1082.5	03/28/2016 - 1087
11/01/1996 - 1089.8	03/29/2005 - 1090.9	03/29/2011 - 1084.9	08/25/2016 - 1084.5
03/01/1997 - 1091.7	10/31/2005 - 1088.8	08/26/2011 - 1082.9	10/31/2016 - 1086
11/01/1997 - 1091.5	03/29/2006 - 1090.6	10/28/2011 - 1079.7	03/31/2017 - 1085.2
03/01/1998 - 1091.6	10/30/2006 - 1090.4	03/29/2012 - 1084.8	08/24/2017 - 1081.8
11/01/1998 - 1091.6	03/29/2007 - 1092.1	08/27/2012 - 1082	10/30/2017 - 1082.5
03/01/1999 - 1092.4	10/30/2007 - 1091.6	10/30/2012 - 1082.5	04/04/2018 - 1086.8
11/01/1999 - 1089.7	03/28/2008 - 1091.7	03/29/2013 - 1083.3	08/21/2018 - 1080.4
03/01/2000 - 1091	08/26/2008 - 1088.8	08/26/2013 - 1080.2	11/01/2018 - 1084.8
11/01/2000 - 1091.6	10/30/2008 - 1088.6	10/29/2013 - 1081	04/02/2019 - 1088
03/01/2001 - 1092	03/30/2009 - 1086.9	03/31/2014 - 1082.4	08/27/2019 - 1081.7
11/01/2001 - 1089.5	08/27/2009 - 1080.9	08/26/2014 - 1082.4	10/28/2019 - 1084
03/31/2003 - 1091.8	10/30/2009 - 1081.4	10/30/2014 - 1084.2	03/31/2020 - 1087.7
10/30/2003 - 1088.8	03/29/2010 - 1089.4	03/30/2015 - 1085.4	08/24/2020 - 1080.4
		08/31/2015 - 1084.7	

RegCD: G-100705

Well #: MUD 94-6

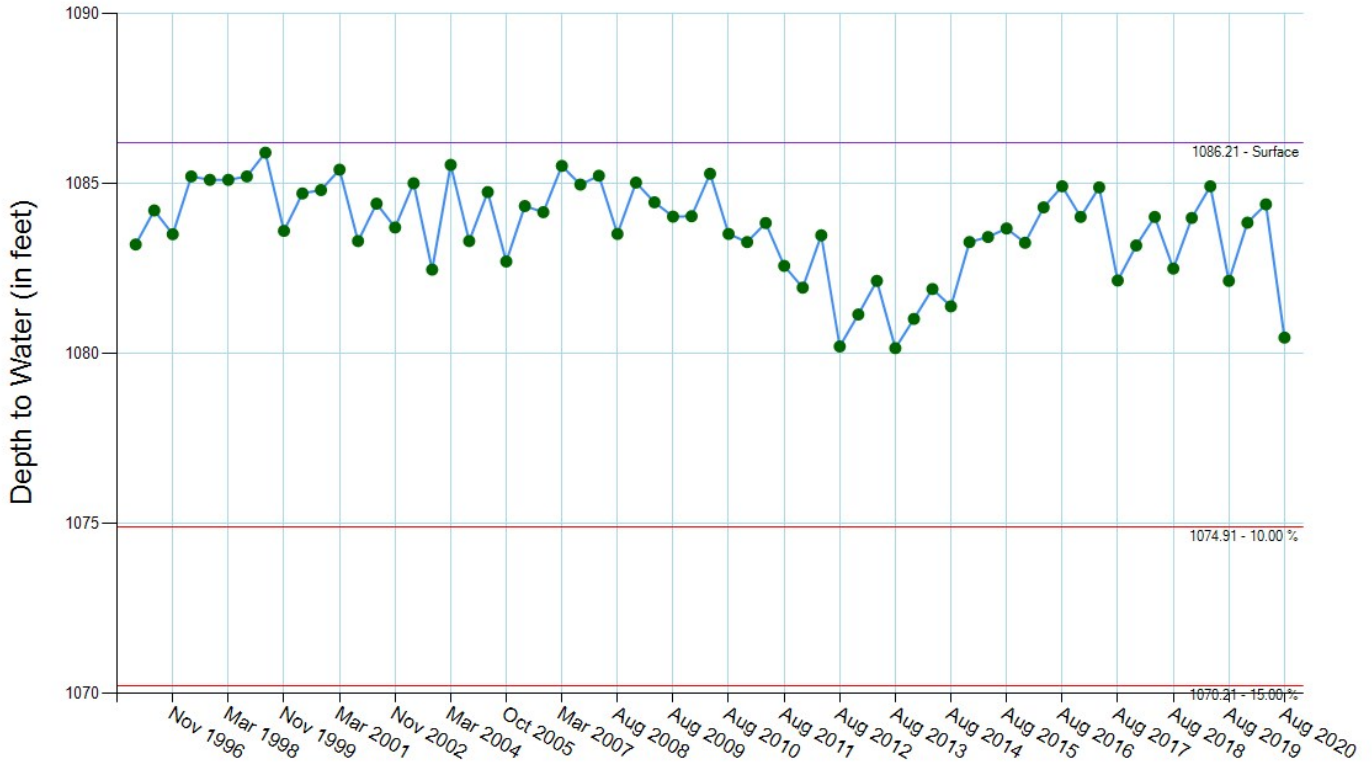
Region: Platte V.

County: Saunders

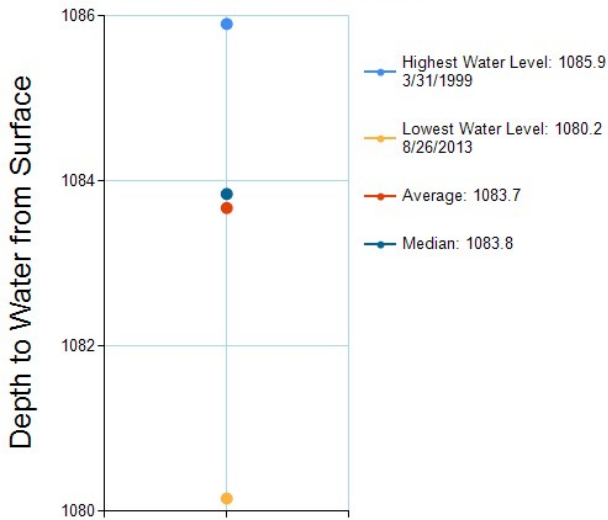
Legal: 14-9E-26

Owner Name: Metropolitan Utilities District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

11/01/1995 - 1083.2	10/30/2003 - 1082.5	08/26/2010 - 1083.5	10/29/2015 - 1083.3
03/31/1996 - 1084.2	03/29/2004 - 1085.5	10/29/2010 - 1083.3	03/28/2016 - 1084.3
11/01/1996 - 1083.5	10/29/2004 - 1083.3	03/29/2011 - 1083.8	08/25/2016 - 1084.9
03/31/1997 - 1085.2	03/29/2005 - 1084.7	08/26/2011 - 1082.6	10/31/2016 - 1084
11/01/1997 - 1085.1	10/31/2005 - 1082.7	10/28/2011 - 1081.9	03/31/2017 - 1084.9
03/31/1998 - 1085.1	03/29/2006 - 1084.3	03/29/2012 - 1083.5	08/24/2017 - 1082.1
11/01/1998 - 1085.2	10/30/2006 - 1084.2	08/27/2012 - 1080.2	10/30/2017 - 1083.2
03/31/1999 - 1085.9	03/29/2007 - 1085.5	10/30/2012 - 1081.1	04/04/2018 - 1084
11/01/1999 - 1083.6	10/30/2007 - 1085	03/29/2013 - 1082.1	08/21/2018 - 1082.5
03/31/2000 - 1084.7	03/28/2008 - 1085.2	08/26/2013 - 1080.2	11/01/2018 - 1084
11/01/2000 - 1084.8	08/26/2008 - 1083.5	10/29/2013 - 1081	04/02/2019 - 1084.9
03/31/2001 - 1085.4	10/30/2008 - 1085	03/31/2014 - 1081.9	08/27/2019 - 1082.1
11/01/2001 - 1083.3	03/30/2009 - 1084.4	08/26/2014 - 1081.4	10/28/2019 - 1083.8
03/31/2002 - 1084.4	08/27/2009 - 1084	10/30/2014 - 1083.3	03/31/2020 - 1084.4
11/01/2002 - 1083.7	10/30/2009 - 1084	03/30/2015 - 1083.4	08/24/2020 - 1080.5
03/01/2003 - 1085	03/29/2010 - 1085.3	08/31/2015 - 1083.7	

RegCD: G-100702

Well #: MUD 94-3

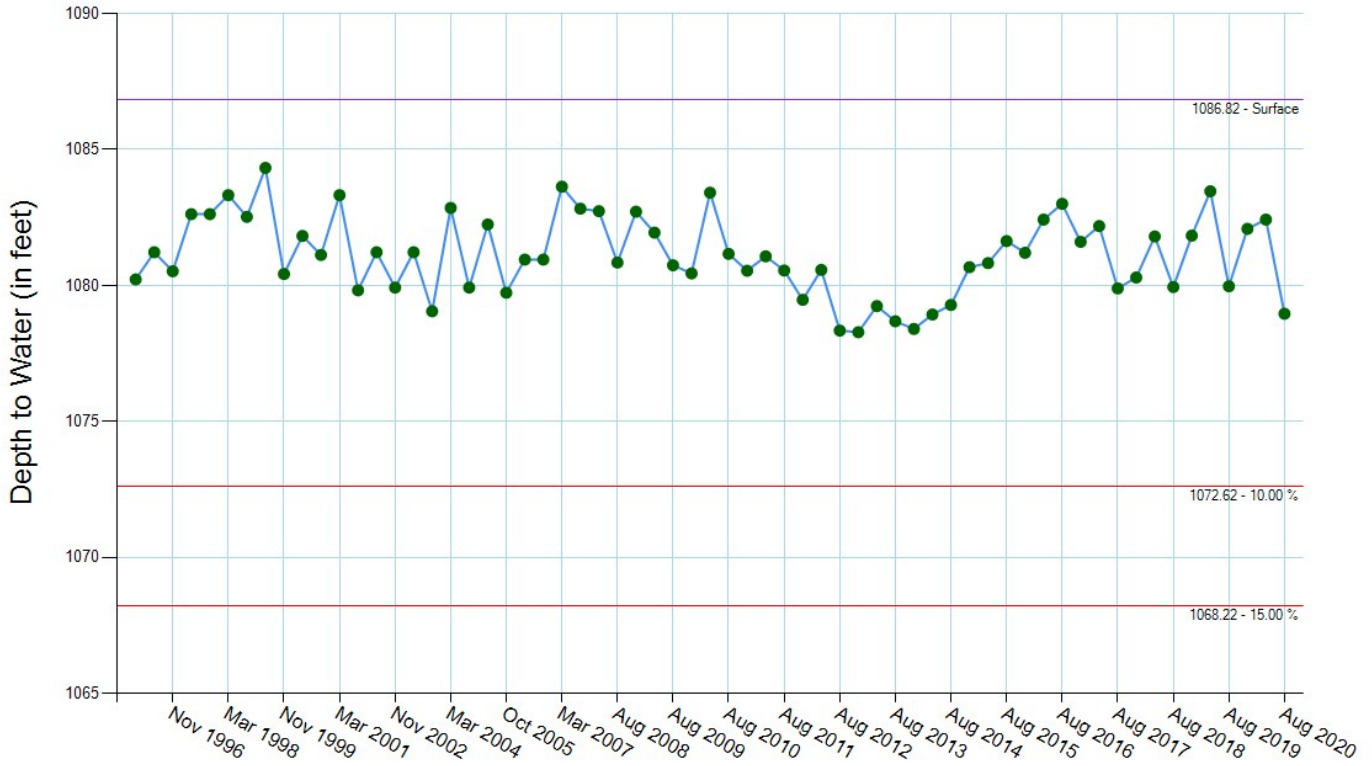
Region: Platte V.

County: Saunders

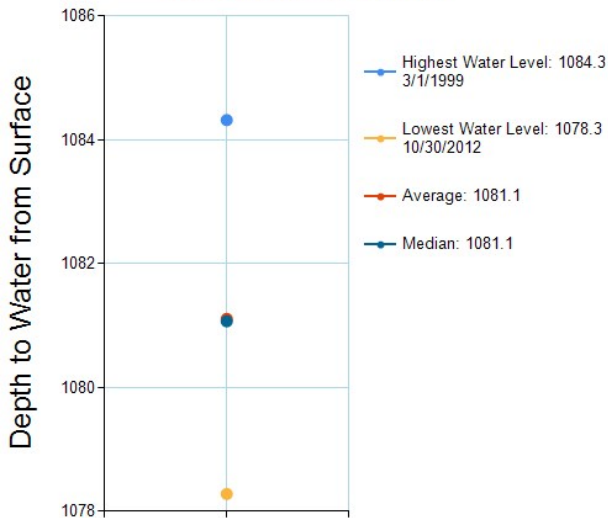
Legal: 14-10E-31

Owner Name: Metropolitan Utilities District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

11/01/1995 - 1080.2	10/30/2003 - 1079.1	08/26/2010 - 1081.2	10/29/2015 - 1081.2
03/01/1996 - 1081.2	03/29/2004 - 1082.9	10/29/2010 - 1080.5	03/28/2016 - 1082.4
11/01/1996 - 1080.5	10/29/2004 - 1079.9	03/29/2011 - 1081.1	08/25/2016 - 1083
03/01/1997 - 1082.6	03/29/2005 - 1082.2	08/26/2011 - 1080.6	10/31/2016 - 1081.6
11/01/1997 - 1082.6	10/31/2005 - 1079.7	10/28/2011 - 1079.5	03/31/2017 - 1082.2
03/01/1998 - 1083.3	03/29/2006 - 1081	03/29/2012 - 1080.6	08/24/2017 - 1079.9
11/01/1998 - 1082.5	10/30/2006 - 1081	08/27/2012 - 1078.3	10/30/2017 - 1080.3
03/01/1999 - 1084.3	03/29/2007 - 1083.6	10/30/2012 - 1078.3	04/04/2018 - 1081.8
11/01/1999 - 1080.4	10/30/2007 - 1082.8	03/29/2013 - 1079.2	08/21/2018 - 1079.9
03/01/2000 - 1081.8	03/28/2008 - 1082.7	08/26/2013 - 1078.7	11/01/2018 - 1081.8
11/01/2000 - 1081.1	08/26/2008 - 1080.8	10/29/2013 - 1078.4	04/02/2019 - 1083.5
03/01/2001 - 1083.3	10/30/2008 - 1082.7	03/31/2014 - 1078.9	08/27/2019 - 1080
11/01/2001 - 1079.8	03/30/2009 - 1081.9	08/26/2014 - 1079.3	10/28/2019 - 1082.1
03/01/2002 - 1081.2	08/27/2009 - 1080.7	10/30/2014 - 1080.7	03/31/2020 - 1082.4
11/01/2002 - 1079.9	10/30/2009 - 1080.4	03/30/2015 - 1080.8	08/24/2020 - 1079
03/31/2003 - 1081.2	03/29/2010 - 1083.4	08/31/2015 - 1081.6	

RegCD: G-100706

Well #: MUD 94-7

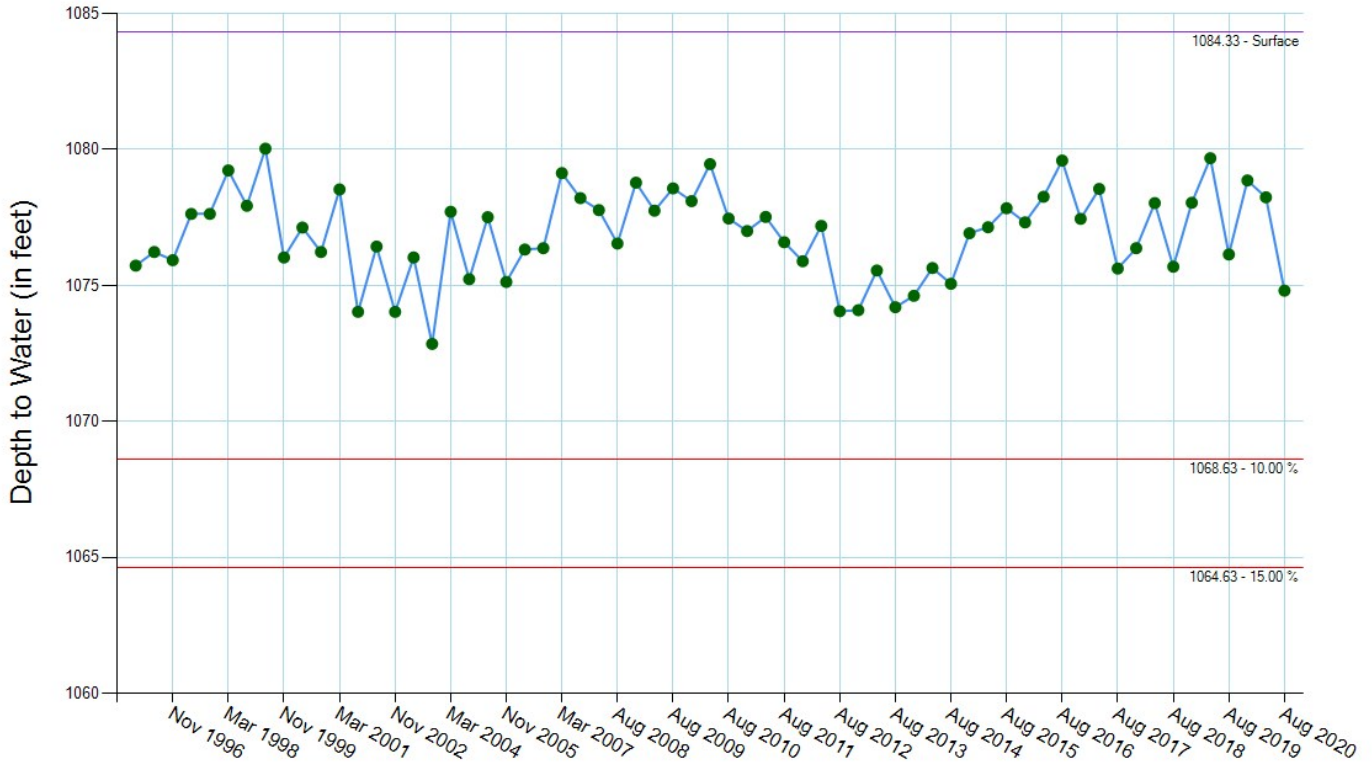
Region: Platte V.

County: Saunders

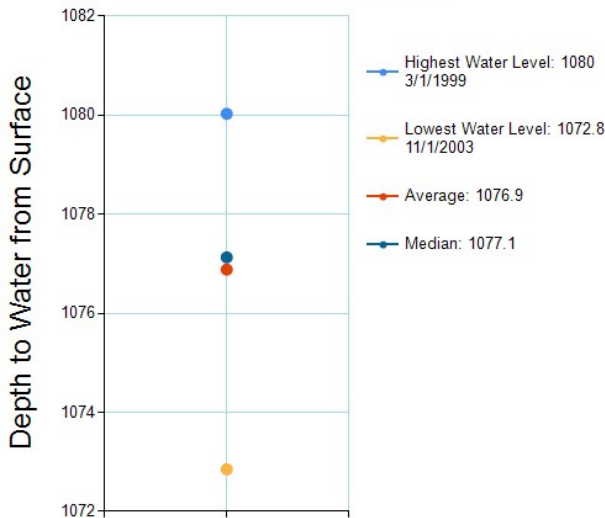
Legal: 13-9E-1

Owner Name: Metropolitan Utilities District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

11/01/1995 - 1075.7	11/01/2003 - 1072.8	08/26/2010 - 1077.5	11/01/2015 - 1077.3
03/01/1996 - 1076.2	03/01/2004 - 1077.7	11/01/2010 - 1077	03/01/2016 - 1078.3
11/01/1996 - 1075.9	11/01/2004 - 1075.2	03/01/2011 - 1077.5	08/25/2016 - 1079.6
03/01/1997 - 1077.6	03/01/2005 - 1077.5	08/26/2011 - 1076.6	11/01/2016 - 1077.4
11/01/1997 - 1077.6	11/01/2005 - 1075.1	11/01/2011 - 1075.9	03/01/2017 - 1078.5
03/01/1998 - 1079.2	03/01/2006 - 1076.3	03/01/2012 - 1077.2	08/24/2017 - 1075.6
11/01/1998 - 1077.9	11/01/2006 - 1076.4	08/27/2012 - 1074	11/01/2017 - 1076.4
03/01/1999 - 1080	03/01/2007 - 1079.1	11/01/2012 - 1074.1	04/04/2018 - 1078
11/01/1999 - 1076	11/01/2007 - 1078.2	03/01/2013 - 1075.5	08/21/2018 - 1075.7
03/01/2000 - 1077.1	03/01/2008 - 1077.8	08/26/2013 - 1074.2	11/01/2018 - 1078
11/01/2000 - 1076.2	08/26/2008 - 1076.5	11/01/2013 - 1074.6	04/02/2019 - 1079.7
03/01/2001 - 1078.5	11/01/2008 - 1078.8	03/01/2014 - 1075.6	08/27/2019 - 1076.1
11/01/2001 - 1074	03/01/2009 - 1077.7	08/26/2014 - 1075.1	10/28/2019 - 1078.9
03/01/2002 - 1076.4	08/27/2009 - 1078.6	11/01/2014 - 1076.9	03/31/2020 - 1078.2
11/01/2002 - 1074	11/01/2009 - 1078.1	03/01/2015 - 1077.1	08/24/2020 - 1074.8
03/01/2003 - 1076	03/01/2010 - 1079.5	08/31/2015 - 1077.8	

RegCD: G-105896

Well #: M90-01

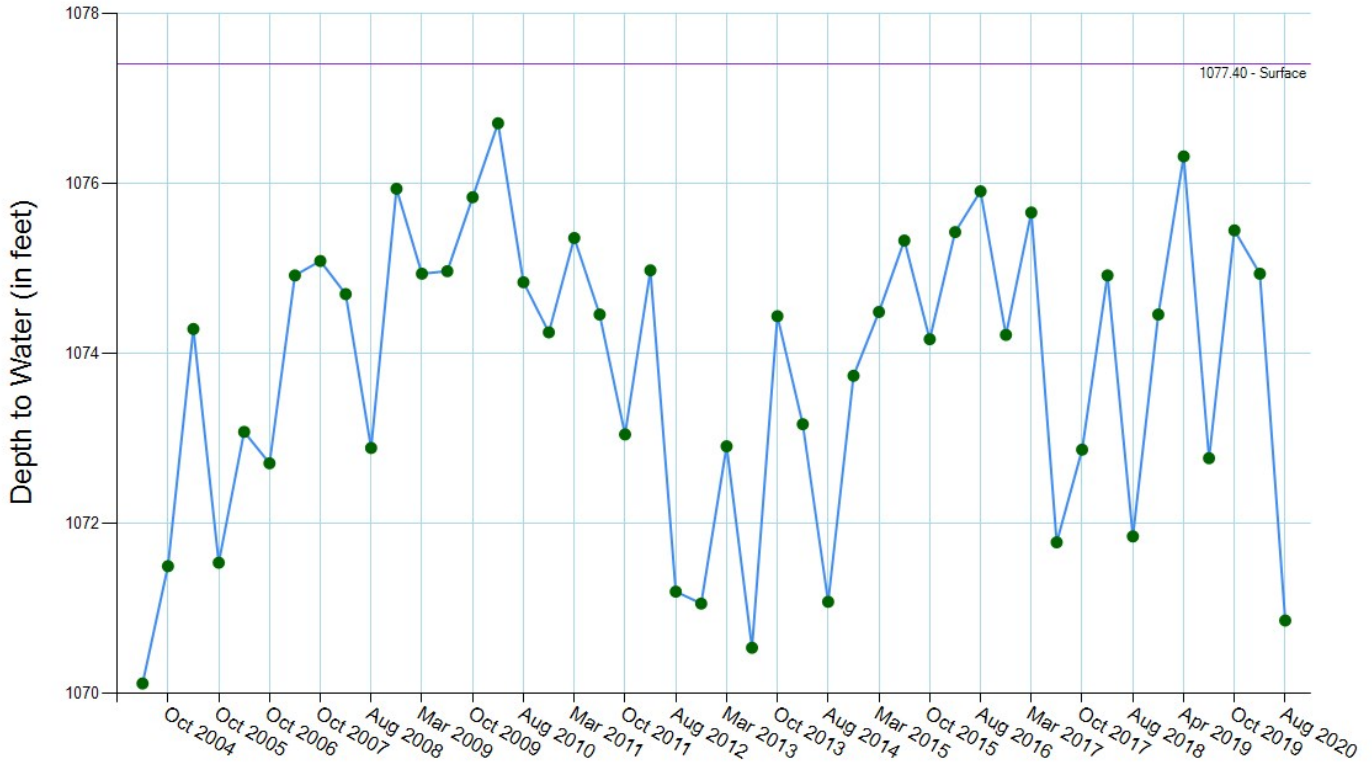
Region: Platte V.

County: Saunders

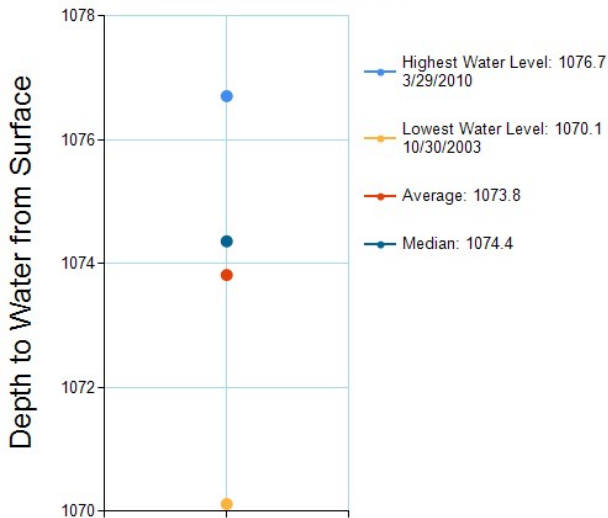
Legal: 13-9E-2

Owner Name: City of Lincoln

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

10/30/2003 - 1070.1	08/27/2009 - 1075	03/29/2013 - 1072.9	03/31/2017 - 1075.7
10/29/2004 - 1071.5	10/30/2009 - 1075.8	08/26/2013 - 1070.5	08/24/2017 - 1071.8
03/29/2005 - 1074.3	03/29/2010 - 1076.7	10/29/2013 - 1074.4	10/30/2017 - 1072.9
10/31/2005 - 1071.5	08/26/2010 - 1074.8	03/31/2014 - 1073.2	04/04/2018 - 1074.9
03/29/2006 - 1073.1	10/29/2010 - 1074.2	08/26/2014 - 1071.1	08/21/2018 - 1071.8
10/30/2006 - 1072.7	03/29/2011 - 1075.4	10/30/2014 - 1073.7	11/01/2018 - 1074.5
03/29/2007 - 1074.9	08/26/2011 - 1074.5	03/30/2015 - 1074.5	04/02/2019 - 1076.3
10/30/2007 - 1075.1	10/28/2011 - 1073	08/31/2015 - 1075.3	08/27/2019 - 1072.8
03/28/2008 - 1074.7	03/29/2012 - 1075	10/29/2015 - 1074.2	10/28/2019 - 1075.4
08/28/2008 - 1072.9	08/27/2012 - 1071.2	03/28/2016 - 1075.4	03/31/2020 - 1074.9
10/30/2008 - 1075.9	10/30/2012 - 1071.1	08/25/2016 - 1075.9	08/24/2020 - 1070.9
03/30/2009 - 1074.9		10/31/2016 - 1074.2	

RegCD: G-105897

Well #: M90-02

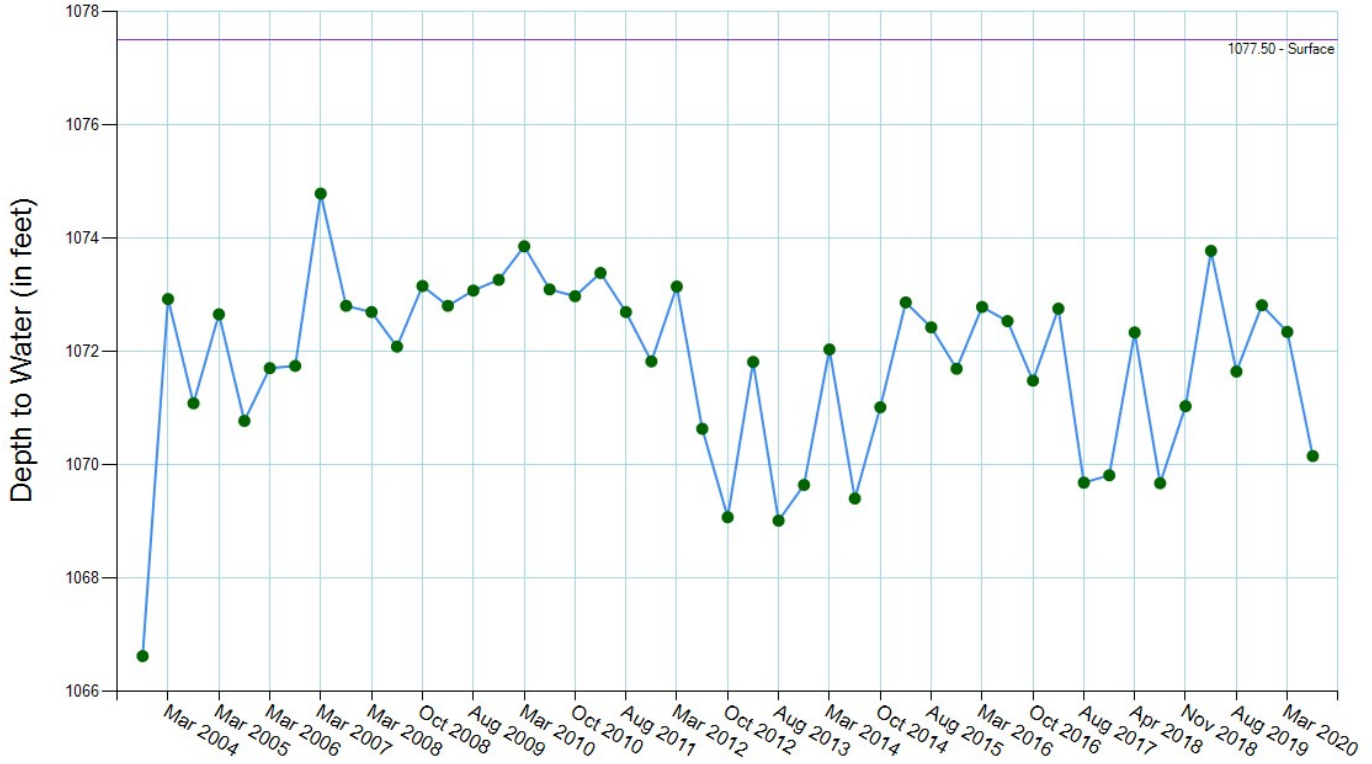
Region: Platte V.

County: Saunders

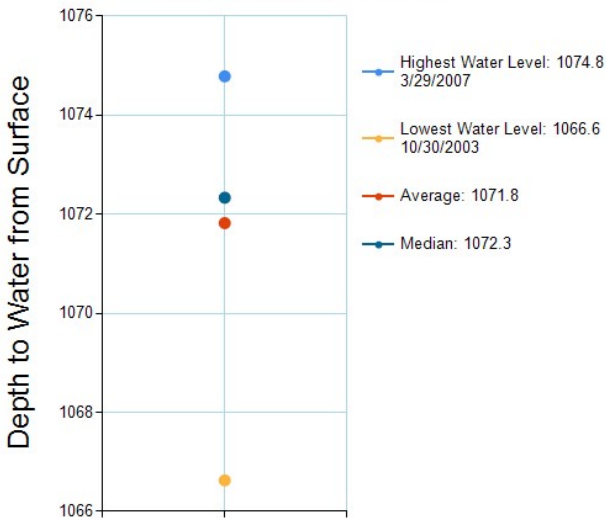
Legal: 13-10E-7

Owner Name: City of Lincoln

### Water Level Readings



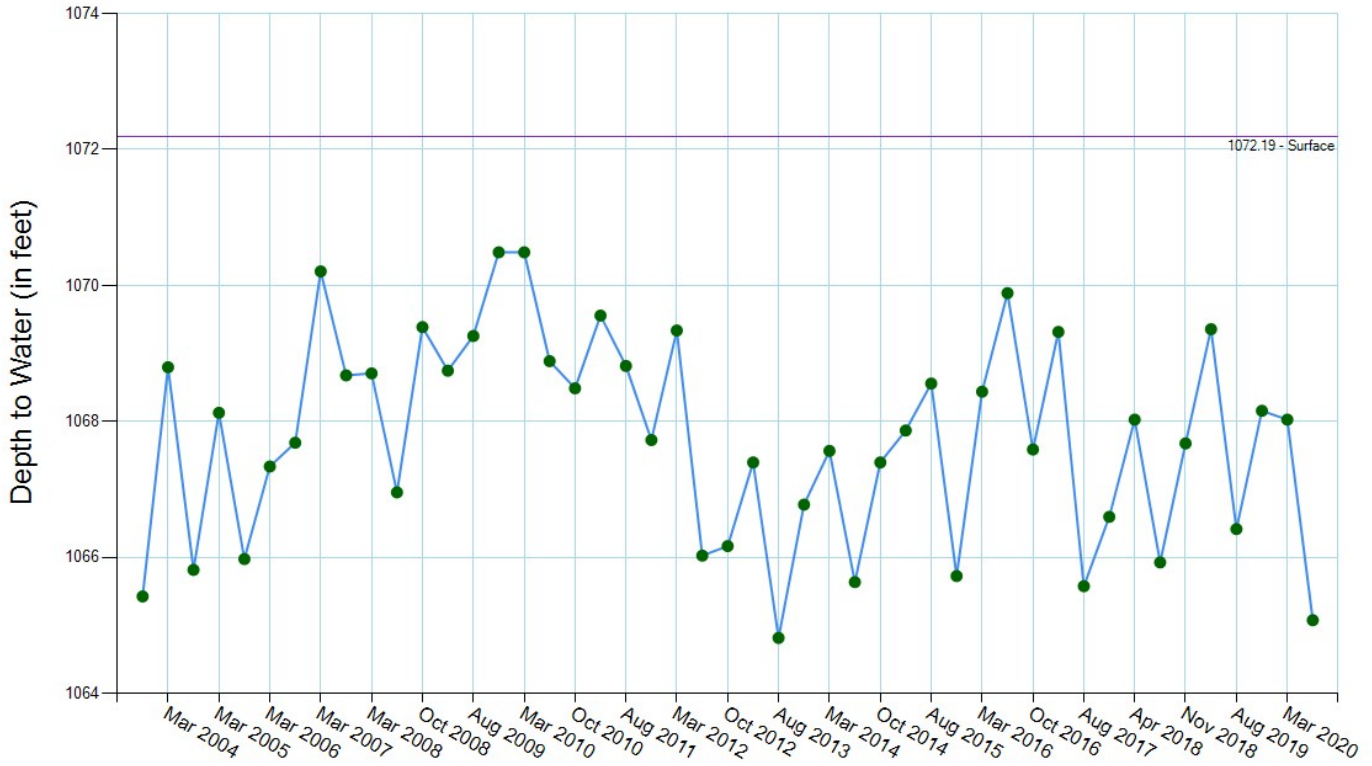
### Record Results



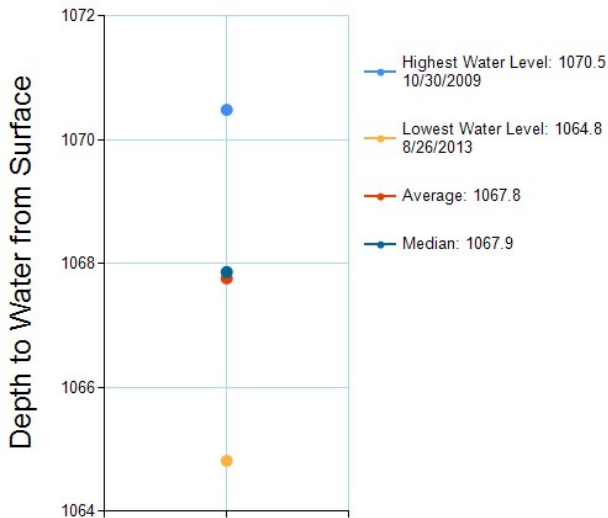
### Historical Readings (date - reading)

10/30/2003 - 1066.6	03/30/2009 - 1072.8	03/29/2013 - 1071.8	03/31/2017 - 1072.8
03/29/2004 - 1072.9	08/27/2009 - 1073.1	08/26/2013 - 1069	08/24/2017 - 1069.7
10/29/2004 - 1071.1	10/30/2009 - 1073.3	10/29/2013 - 1069.6	10/30/2017 - 1069.8
03/29/2005 - 1072.7	03/29/2010 - 1073.9	03/31/2014 - 1072	04/04/2018 - 1072.3
10/31/2005 - 1070.8	08/26/2010 - 1073.1	08/26/2014 - 1069.4	08/21/2018 - 1069.7
03/29/2006 - 1071.7	10/29/2010 - 1073	10/30/2014 - 1071	11/01/2018 - 1071
10/30/2006 - 1071.7	03/29/2011 - 1073.4	03/30/2015 - 1072.9	04/02/2019 - 1073.8
03/29/2007 - 1074.8	08/26/2011 - 1072.7	08/31/2015 - 1072.4	08/27/2019 - 1071.6
10/30/2007 - 1072.8	10/28/2011 - 1071.8	10/29/2015 - 1071.7	10/28/2019 - 1072.8
03/28/2008 - 1072.7	03/29/2012 - 1073.1	03/28/2016 - 1072.8	03/31/2020 - 1072.3
08/26/2008 - 1072.1	08/27/2012 - 1070.6	08/25/2016 - 1072.5	08/24/2020 - 1070.2
10/30/2008 - 1073.2	10/30/2012 - 1069.1	10/31/2016 - 1071.5	

### Water Level Readings



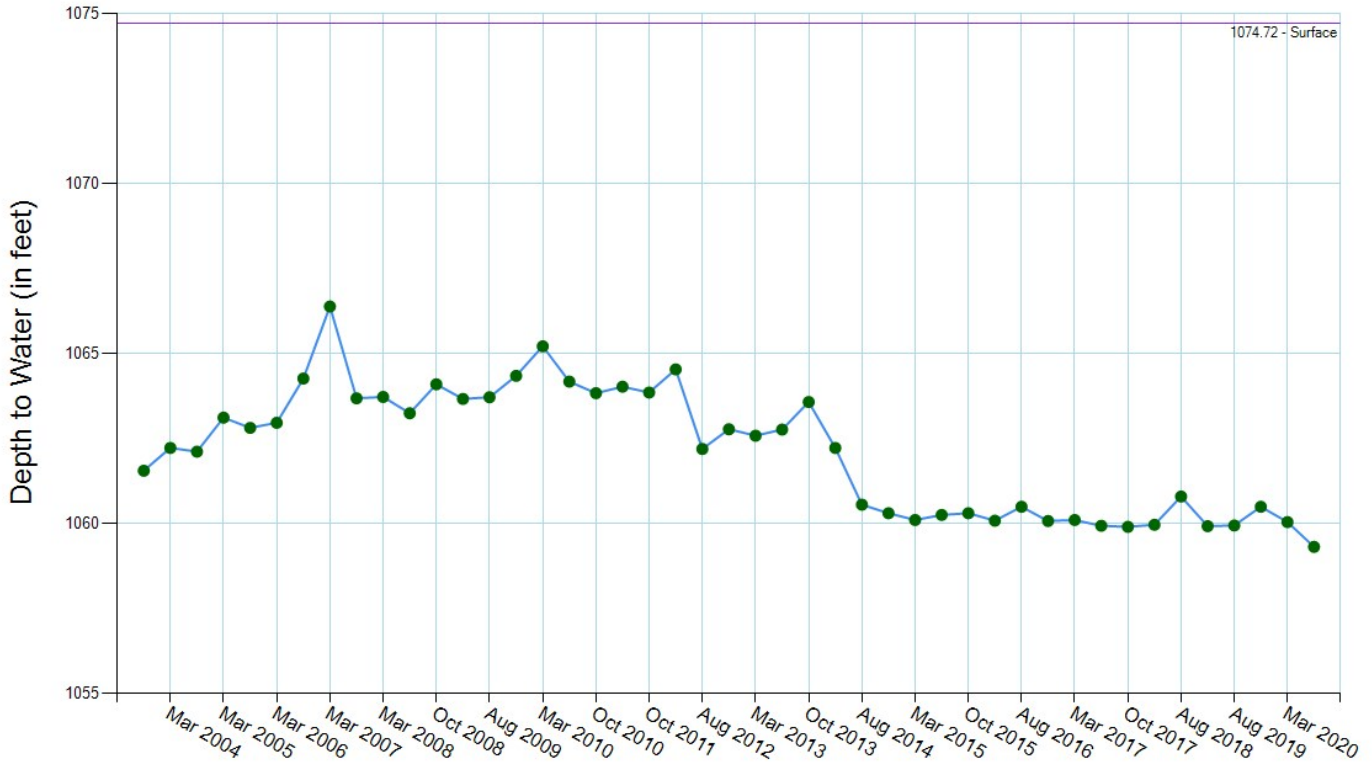
### Record Results



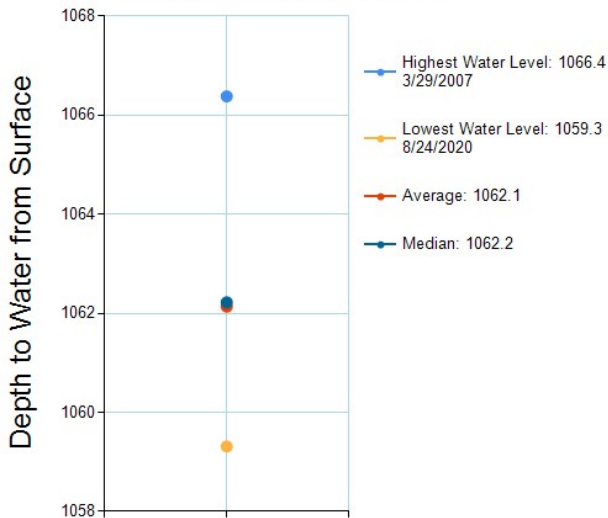
### Historical Readings (date - reading)

10/30/2003 - 1065.4	03/30/2009 - 1068.7	03/29/2013 - 1067.4	03/31/2017 - 1069.3
03/29/2004 - 1068.8	08/27/2009 - 1069.3	08/26/2013 - 1064.8	08/24/2017 - 1065.6
10/29/2004 - 1065.8	10/30/2009 - 1070.5	10/29/2013 - 1066.8	10/30/2017 - 1066.6
03/29/2005 - 1068.1	03/29/2010 - 1070.5	03/31/2014 - 1067.6	04/04/2018 - 1068
10/31/2005 - 1066	08/26/2010 - 1068.9	08/26/2014 - 1065.6	08/21/2018 - 1065.9
03/29/2006 - 1067.3	10/29/2010 - 1068.5	10/30/2014 - 1067.4	11/01/2018 - 1067.7
10/30/2006 - 1067.7	03/29/2011 - 1069.6	03/30/2015 - 1067.9	04/02/2019 - 1069.4
03/29/2007 - 1070.2	08/26/2011 - 1068.8	08/31/2015 - 1068.6	08/27/2019 - 1066.4
10/30/2007 - 1068.7	10/28/2011 - 1067.7	10/29/2015 - 1065.7	10/28/2019 - 1068.2
03/28/2008 - 1068.7	03/29/2012 - 1069.3	03/28/2016 - 1068.4	03/31/2020 - 1068
08/26/2008 - 1067	08/27/2012 - 1066	08/25/2016 - 1069.9	08/24/2020 - 1065.1
10/30/2008 - 1069.4	10/30/2012 - 1066.2	10/31/2016 - 1067.6	

## Water Level Readings



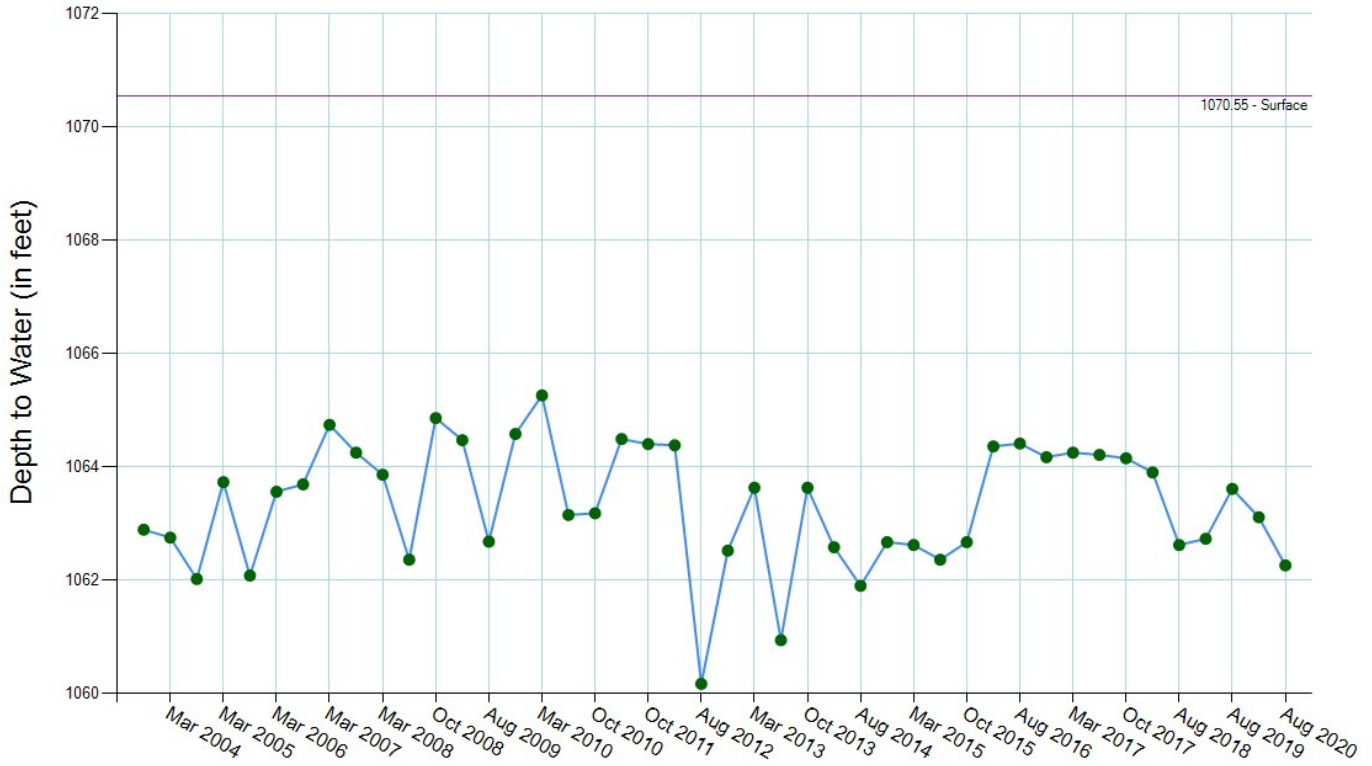
## Record Results



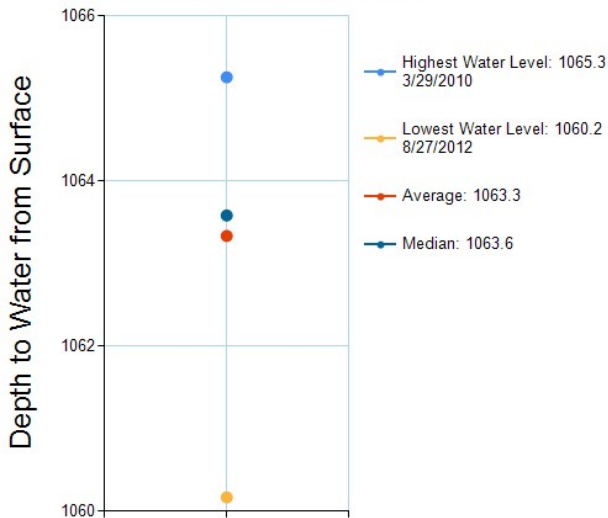
## Historical Readings (date - reading)

10/30/2003 - 1061.6	10/30/2008 - 1064.1	10/30/2012 - 1062.8	08/25/2016 - 1060.5
03/29/2004 - 1062.2	03/30/2009 - 1063.7	03/29/2013 - 1062.6	10/31/2016 - 1060.1
10/29/2004 - 1062.1	08/27/2009 - 1063.7	08/26/2013 - 1062.8	03/31/2017 - 1060.1
03/29/2005 - 1063.1	10/30/2009 - 1064.3	10/29/2013 - 1063.6	08/24/2017 - 1059.9
10/31/2005 - 1062.8	03/29/2010 - 1065.2	03/31/2014 - 1062.2	10/30/2017 - 1059.9
03/29/2006 - 1063	08/26/2010 - 1064.2	08/26/2014 - 1060.6	04/04/2018 - 1060
10/30/2006 - 1064.3	10/29/2010 - 1063.8	10/30/2014 - 1060.3	08/21/2018 - 1060.8
03/29/2007 - 1066.4	03/29/2011 - 1064	03/30/2015 - 1060.1	11/01/2018 - 1059.9
10/30/2007 - 1063.7	10/28/2011 - 1063.9	08/31/2015 - 1060.3	08/27/2019 - 1059.9
03/28/2008 - 1063.7	03/29/2012 - 1064.5	10/29/2015 - 1060.3	10/28/2019 - 1060.5
08/26/2008 - 1063.2	08/27/2012 - 1062.2	03/28/2016 - 1060.1	03/31/2020 - 1060
			08/24/2020 - 1059.3

## Water Level Readings



## Record Results



## Historical Readings (date - reading)

10/30/2003 - 1062.9	10/30/2008 - 1064.9	10/30/2012 - 1062.5	08/25/2016 - 1064.4
03/29/2004 - 1062.7	03/30/2009 - 1064.5	03/29/2013 - 1063.6	10/31/2016 - 1064.2
10/29/2004 - 1062	08/27/2009 - 1062.7	08/26/2013 - 1060.9	03/31/2017 - 1064.2
03/29/2005 - 1063.7	10/30/2009 - 1064.6	10/29/2013 - 1063.6	08/24/2017 - 1064.2
10/31/2005 - 1062.1	03/29/2010 - 1065.3	03/31/2014 - 1062.6	10/30/2017 - 1064.1
03/29/2006 - 1063.6	08/26/2010 - 1063.1	08/26/2014 - 1061.9	04/04/2018 - 1063.9
10/30/2006 - 1063.7	10/29/2010 - 1063.2	10/30/2014 - 1062.7	08/21/2018 - 1062.6
03/29/2007 - 1064.7	03/29/2011 - 1064.5	03/30/2015 - 1062.6	11/01/2018 - 1062.7
10/30/2007 - 1064.2	10/28/2011 - 1064.4	08/31/2015 - 1062.4	08/27/2019 - 1063.6
03/28/2008 - 1063.9	03/29/2012 - 1064.4	10/29/2015 - 1062.7	10/28/2019 - 1063.1
08/26/2008 - 1062.4	08/27/2012 - 1060.2	03/28/2016 - 1064.4	08/24/2020 - 1062.3

RegCD: G-105900

Well #: M90-09

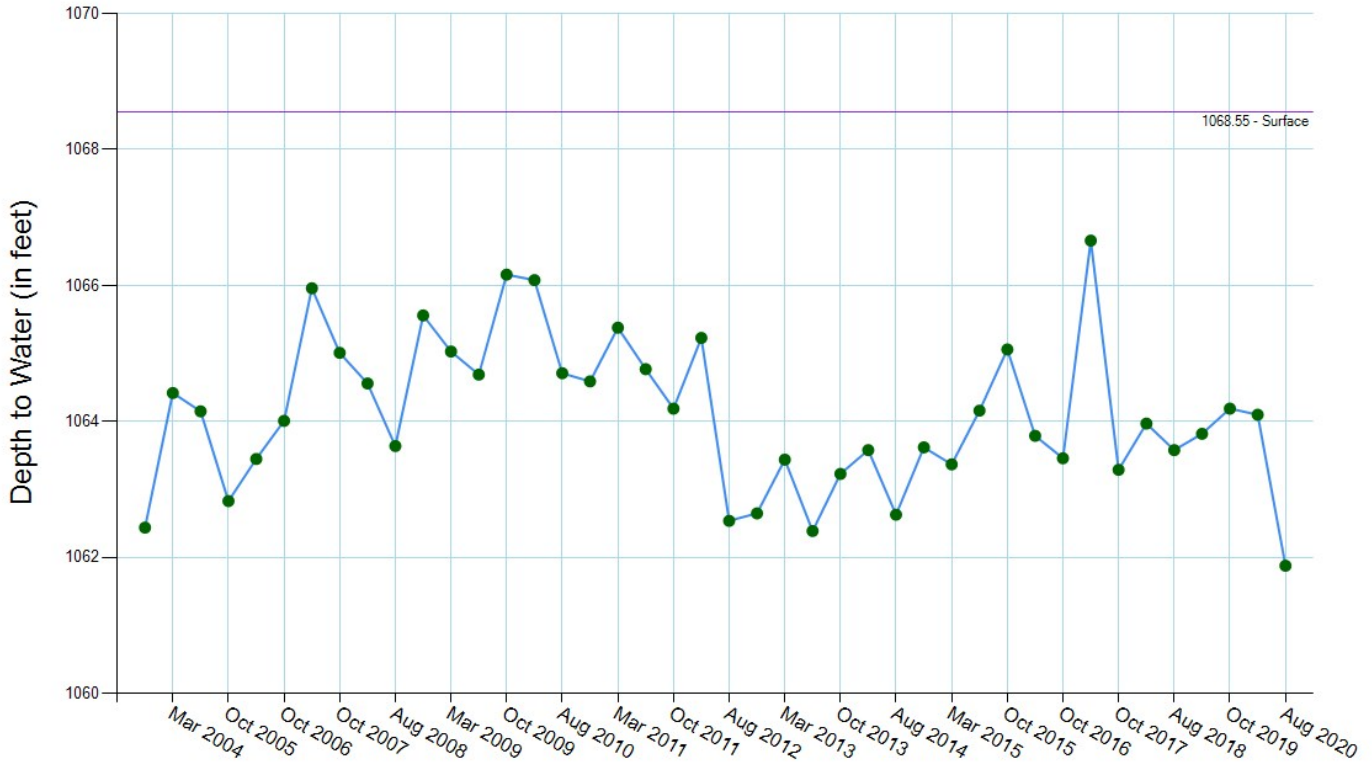
Region: Platte V.

County: Saunders

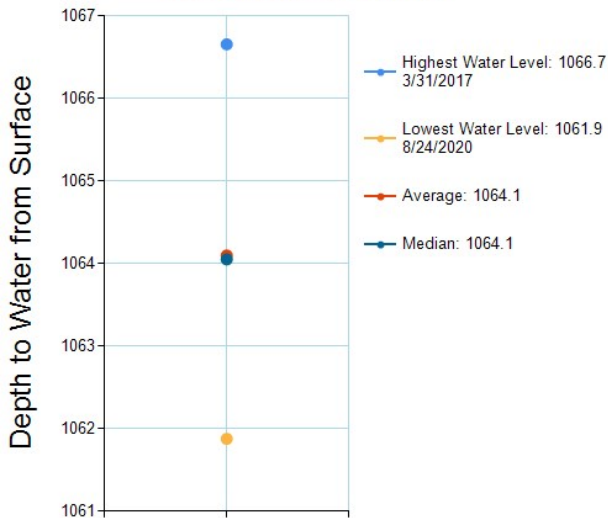
Legal: 13-9E-23

Owner Name: City of Lincoln

### Water Level Readings



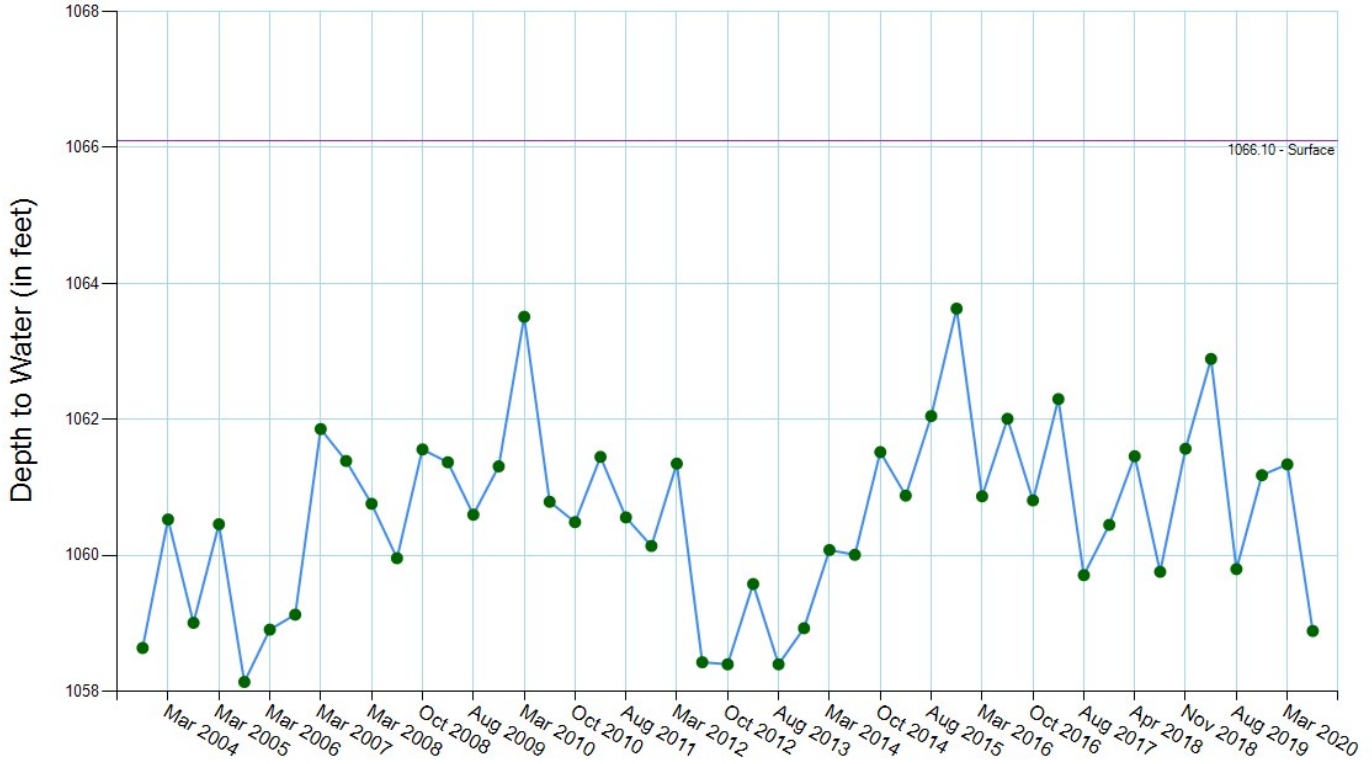
### Record Results



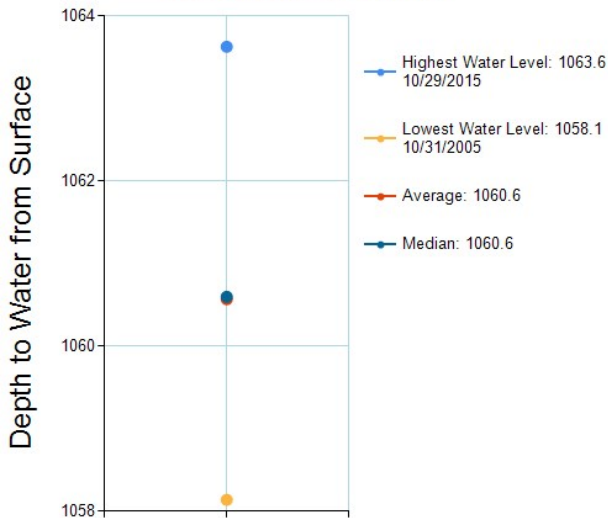
### Historical Readings (date - reading)

10/30/2003 - 1062.4	03/30/2009 - 1065	08/27/2012 - 1062.5	03/28/2016 - 1063.8
03/29/2004 - 1064.4	08/27/2009 - 1064.7	10/30/2012 - 1062.6	10/31/2016 - 1063.5
03/29/2005 - 1064.1	10/30/2009 - 1066.2	03/29/2013 - 1063.4	03/31/2017 - 1066.7
10/31/2005 - 1062.8	03/29/2010 - 1066.1	08/26/2013 - 1062.4	10/30/2017 - 1063.3
03/29/2006 - 1063.4	08/26/2010 - 1064.7	10/29/2013 - 1063.2	04/04/2018 - 1064
10/30/2006 - 1064	10/29/2010 - 1064.6	03/31/2014 - 1063.6	08/21/2018 - 1063.6
03/29/2007 - 1066	03/29/2011 - 1065.4	08/26/2014 - 1062.6	11/01/2018 - 1063.8
10/30/2007 - 1065	08/26/2011 - 1064.8	10/30/2014 - 1063.6	10/28/2019 - 1064.2
03/28/2008 - 1064.6	10/28/2011 - 1064.2	03/30/2015 - 1063.4	03/31/2020 - 1064.1
08/26/2008 - 1063.6	03/29/2012 - 1065.2	08/31/2015 - 1064.2	08/24/2020 - 1061.9
10/30/2008 - 1065.6		10/29/2015 - 1065.1	

### Water Level Readings



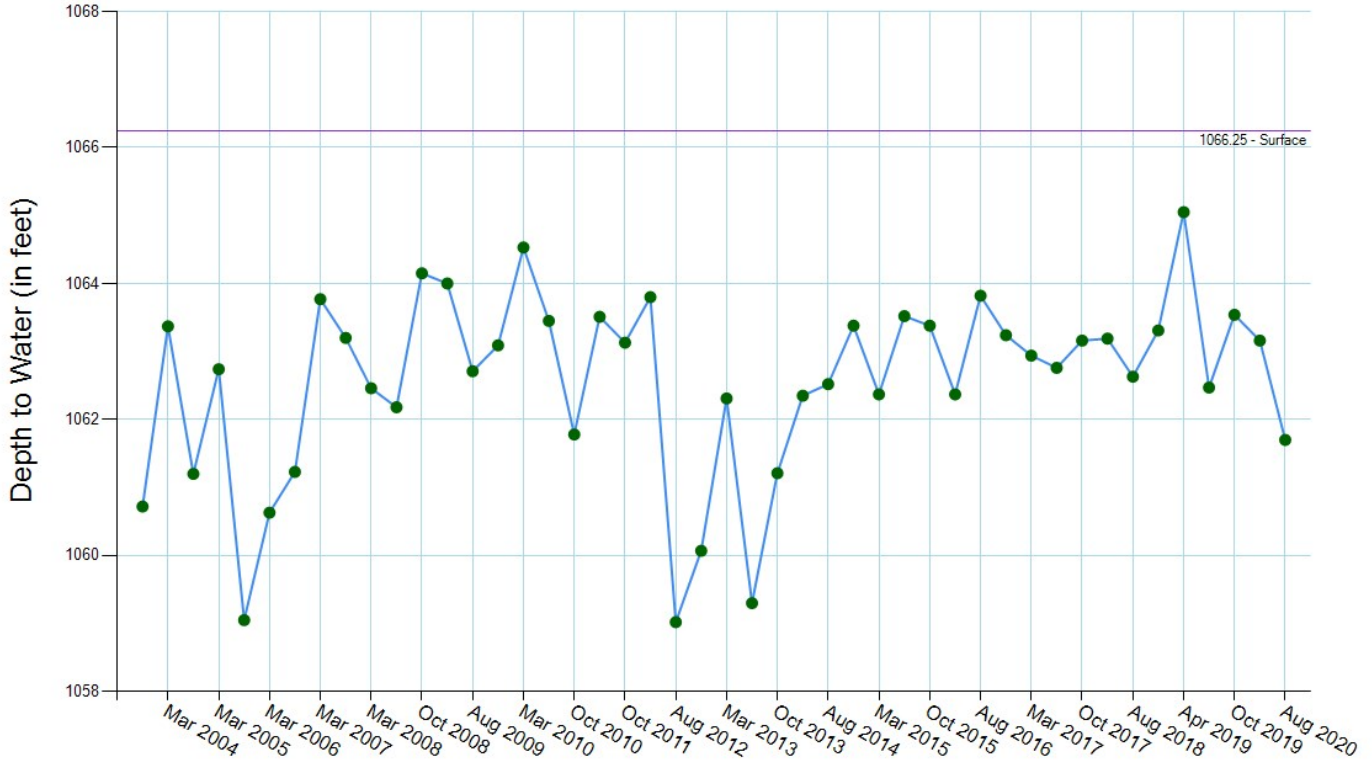
### Record Results



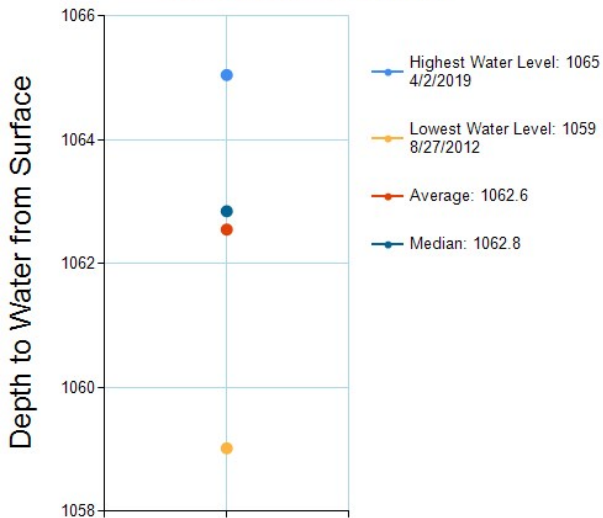
### Historical Readings (date - reading)

10/30/2003 - 1058.6	03/30/2009 - 1061.4	03/29/2013 - 1059.6	03/31/2017 - 1062.3
03/29/2004 - 1060.5	08/27/2009 - 1060.6	08/26/2013 - 1058.4	08/24/2017 - 1059.7
10/29/2004 - 1059	10/30/2009 - 1061.3	10/29/2013 - 1058.9	10/30/2017 - 1060.4
03/29/2005 - 1060.5	03/29/2010 - 1063.5	03/31/2014 - 1060.1	04/04/2018 - 1061.5
10/31/2005 - 1058.1	08/26/2010 - 1060.8	08/26/2014 - 1060	08/21/2018 - 1059.8
03/29/2006 - 1058.9	10/29/2010 - 1060.5	10/30/2014 - 1061.5	11/01/2018 - 1061.6
10/30/2006 - 1059.1	03/29/2011 - 1061.4	03/30/2015 - 1060.9	04/02/2019 - 1062.9
03/29/2007 - 1061.9	08/26/2011 - 1060.6	08/31/2015 - 1062	08/27/2019 - 1059.8
10/30/2007 - 1061.4	10/28/2011 - 1060.1	10/29/2015 - 1063.6	10/28/2019 - 1061.2
03/28/2008 - 1060.8	03/29/2012 - 1061.3	03/28/2016 - 1060.9	03/31/2020 - 1061.3
08/26/2008 - 1060	08/27/2012 - 1058.4	08/25/2016 - 1062	08/24/2020 - 1058.9
10/30/2008 - 1061.6	10/30/2012 - 1058.4	10/31/2016 - 1060.8	

## Water Level Readings



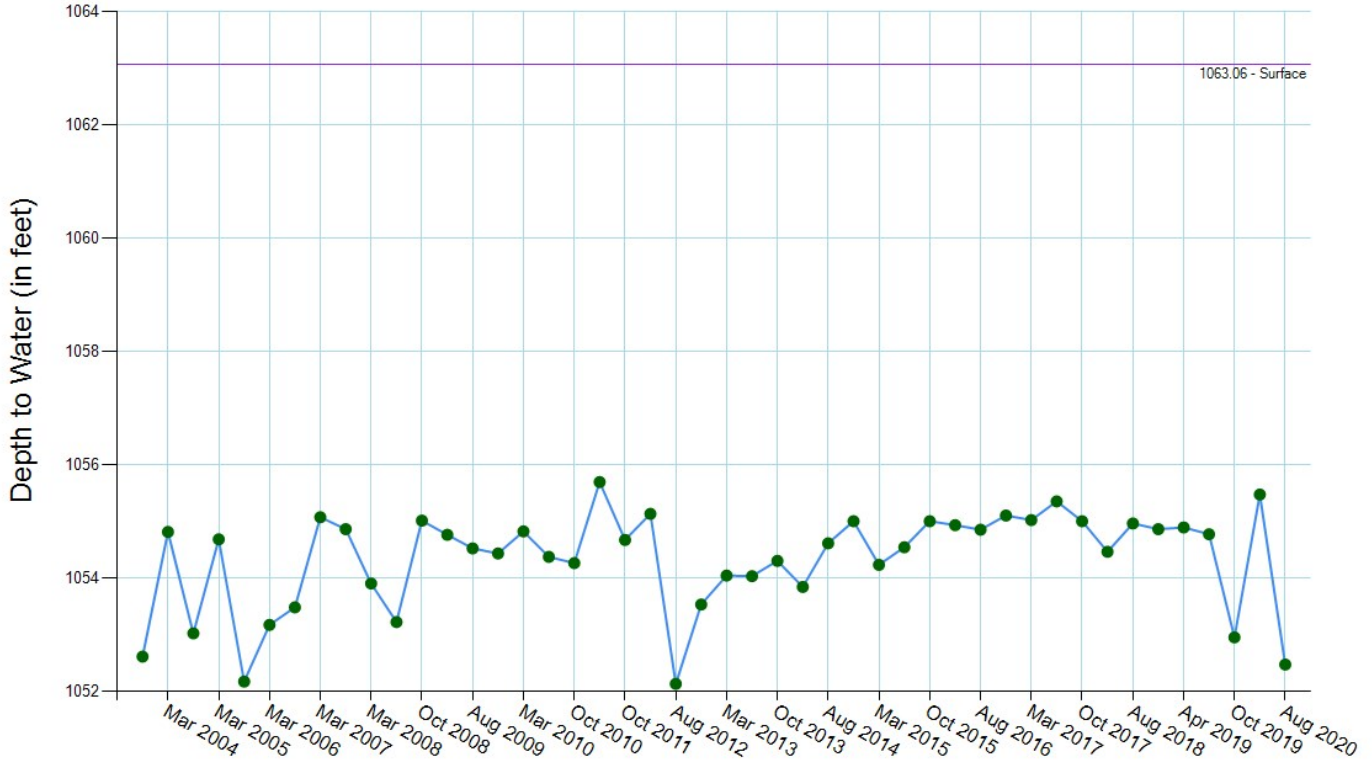
### Record Results



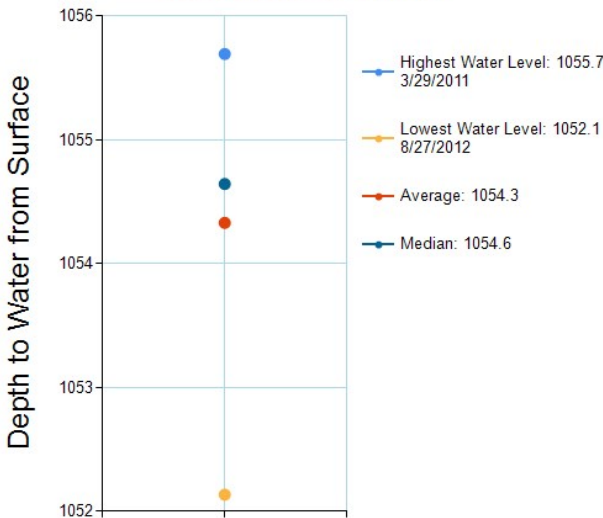
### Historical Readings (date - reading)

10/30/2003 - 1060.7	03/30/2009 - 1064	03/29/2013 - 1062.3	03/31/2017 - 1062.9
03/29/2004 - 1063.4	08/27/2009 - 1062.7	08/26/2013 - 1059.3	08/24/2017 - 1062.8
10/29/2004 - 1061.2	10/30/2009 - 1063.1	10/29/2013 - 1061.2	10/30/2017 - 1063.2
03/29/2005 - 1062.7	03/29/2010 - 1064.5	03/31/2014 - 1062.3	04/04/2018 - 1063.2
10/31/2005 - 1059	08/26/2010 - 1063.4	08/26/2014 - 1062.5	08/21/2018 - 1062.6
03/29/2006 - 1060.6	10/29/2010 - 1061.8	10/30/2014 - 1063.4	11/01/2018 - 1063.3
10/30/2006 - 1061.2	03/29/2011 - 1063.5	03/30/2015 - 1062.4	04/02/2019 - 1065
03/29/2007 - 1063.8	10/28/2011 - 1063.1	08/31/2015 - 1063.5	08/27/2019 - 1062.5
10/30/2007 - 1063.2	03/29/2012 - 1063.8	10/29/2015 - 1063.4	10/28/2019 - 1063.5
03/28/2008 - 1062.5	08/27/2012 - 1059	03/28/2016 - 1062.4	03/31/2020 - 1063.2
08/26/2008 - 1062.2	10/30/2012 - 1060.1	08/25/2016 - 1063.8	08/24/2020 - 1061.7
10/30/2008 - 1064.1		10/31/2016 - 1063.2	

## Water Level Readings



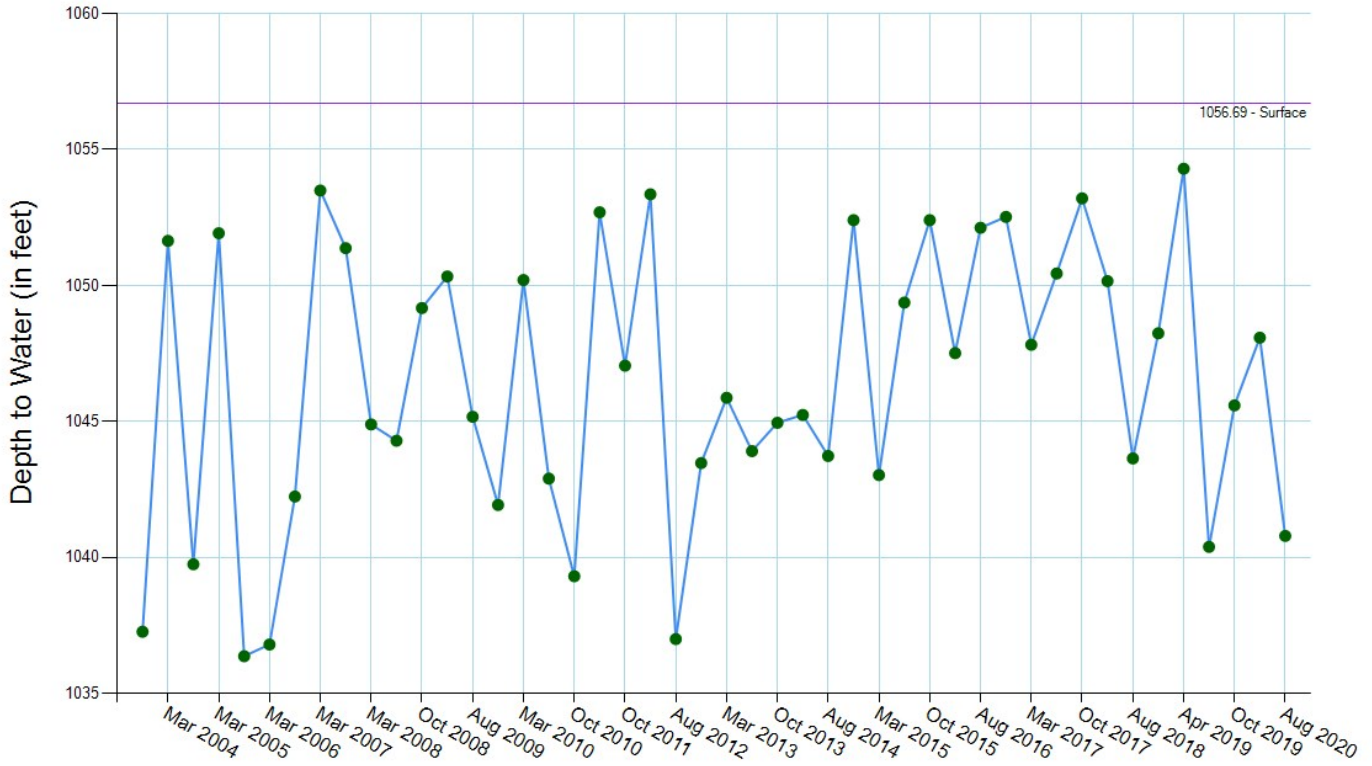
### Record Results



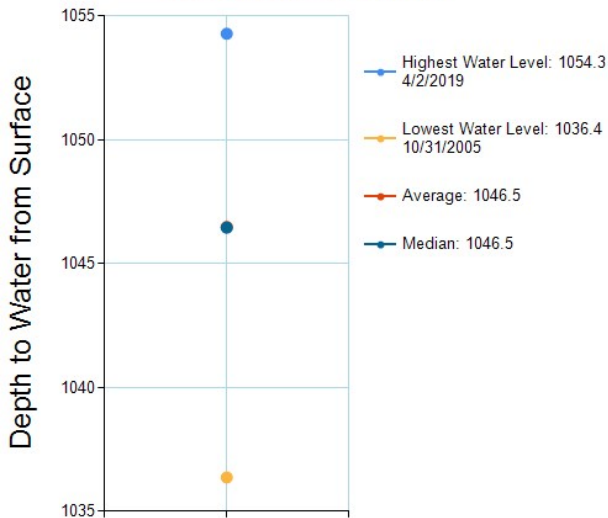
### Historical Readings (date - reading)

10/30/2003 - 1052.6	03/30/2009 - 1054.8	03/29/2013 - 1054	03/31/2017 - 1055
03/29/2004 - 1054.8	08/27/2009 - 1054.5	08/26/2013 - 1054	08/24/2017 - 1055.4
10/29/2004 - 1053	10/30/2009 - 1054.4	10/29/2013 - 1054.3	10/30/2017 - 1055
03/29/2005 - 1054.7	03/29/2010 - 1054.8	03/31/2014 - 1053.8	04/04/2018 - 1054.5
10/31/2005 - 1052.2	08/26/2010 - 1054.4	08/26/2014 - 1054.6	08/21/2018 - 1055
03/29/2006 - 1053.2	10/29/2010 - 1054.3	10/30/2014 - 1055	11/01/2018 - 1054.9
10/30/2006 - 1053.5	03/29/2011 - 1055.7	03/30/2015 - 1054.2	04/02/2019 - 1054.9
03/29/2007 - 1055.1	10/28/2011 - 1054.7	08/31/2015 - 1054.5	08/27/2019 - 1054.8
10/30/2007 - 1054.9	03/29/2012 - 1055.1	10/29/2015 - 1055	10/28/2019 - 1053
03/28/2008 - 1053.9	08/27/2012 - 1052.1	03/28/2016 - 1054.9	03/31/2020 - 1055.5
08/26/2008 - 1053.2	10/30/2012 - 1053.5	08/25/2016 - 1054.9	08/24/2020 - 1052.5
10/30/2008 - 1055		10/31/2016 - 1055.1	

## Water Level Readings



### Record Results



### Historical Readings (date - reading)

10/30/2003 - 1037.3	03/30/2009 - 1050.3	03/29/2013 - 1045.9	03/31/2017 - 1047.8
03/29/2004 - 1051.6	08/27/2009 - 1045.2	08/26/2013 - 1043.9	08/24/2017 - 1050.4
10/29/2004 - 1039.7	10/30/2009 - 1041.9	10/29/2013 - 1044.9	10/30/2017 - 1053.2
03/29/2005 - 1051.9	03/29/2010 - 1050.2	03/31/2014 - 1045.2	04/04/2018 - 1050.2
10/31/2005 - 1036.4	08/26/2010 - 1042.9	08/26/2014 - 1043.7	08/21/2018 - 1043.6
03/29/2006 - 1036.8	10/29/2010 - 1039.3	10/30/2014 - 1052.4	11/01/2018 - 1048.2
10/30/2006 - 1042.2	03/29/2011 - 1052.7	03/30/2015 - 1043	04/02/2019 - 1054.3
03/29/2007 - 1053.5	10/28/2011 - 1047	08/31/2015 - 1049.4	08/27/2019 - 1040.4
10/30/2007 - 1051.4	03/29/2012 - 1053.3	10/29/2015 - 1052.4	10/28/2019 - 1045.6
03/28/2008 - 1044.9	08/27/2012 - 1037	03/28/2016 - 1047.5	03/31/2020 - 1048.1
08/26/2008 - 1044.3	10/30/2012 - 1043.5	08/25/2016 - 1052.1	08/24/2020 - 1040.8
10/30/2008 - 1049.2		10/31/2016 - 1052.5	

RegCD: G-105906

Well #: M90-21

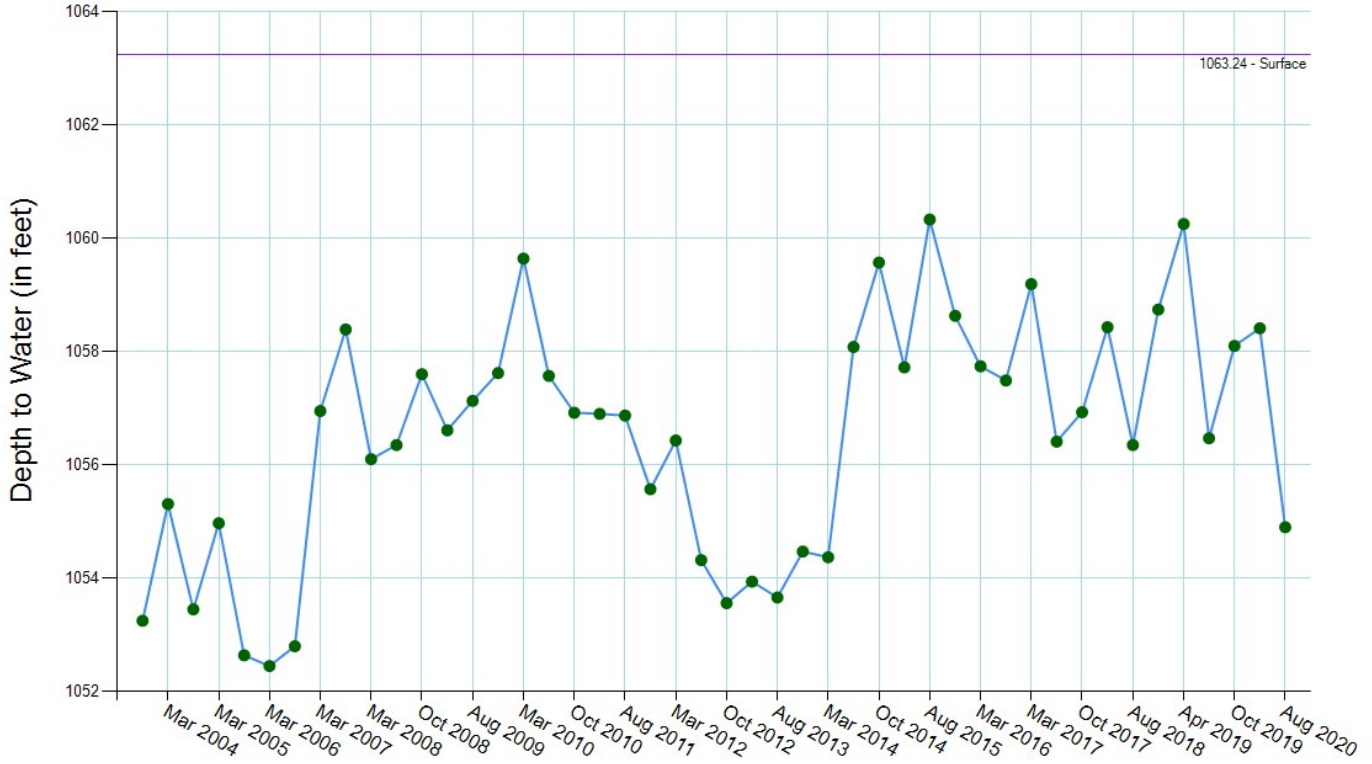
Region: Platte V.

County: Saunders

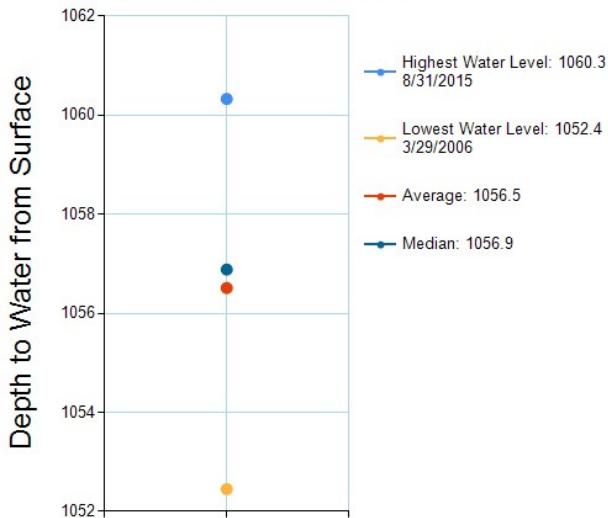
Legal: 13-9E-25

Owner Name: City of Lincoln

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

10/30/2003 - 1053.2	03/30/2009 - 1056.6	10/30/2012 - 1053.6	03/31/2017 - 1059.2
03/29/2004 - 1055.3	08/27/2009 - 1057.1	03/29/2013 - 1053.9	08/24/2017 - 1056.4
10/29/2004 - 1053.4	10/30/2009 - 1057.6	08/26/2013 - 1053.7	10/30/2017 - 1056.9
03/29/2005 - 1055	03/29/2010 - 1059.6	10/29/2013 - 1054.5	04/04/2018 - 1058.4
10/31/2005 - 1052.6	08/26/2010 - 1057.6	03/31/2014 - 1054.4	08/21/2018 - 1056.3
03/29/2006 - 1052.4	10/29/2010 - 1056.9	08/26/2014 - 1058.1	11/01/2018 - 1058.7
10/30/2006 - 1052.8	03/29/2011 - 1056.9	10/30/2014 - 1059.6	04/02/2019 - 1060.2
03/29/2007 - 1056.9	08/26/2011 - 1056.9	03/30/2015 - 1057.7	08/27/2019 - 1056.5
10/30/2007 - 1058.4	10/28/2011 - 1055.6	08/31/2015 - 1060.3	10/28/2019 - 1058.1
03/28/2008 - 1056.1	03/29/2012 - 1056.4	10/29/2015 - 1058.6	03/31/2020 - 1058.4
08/26/2008 - 1056.3	08/27/2012 - 1054.3	03/28/2016 - 1057.7	08/24/2020 - 1054.9
10/30/2008 - 1057.6		10/31/2016 - 1057.5	

RegCD: G-109464P

Well #: M90-37

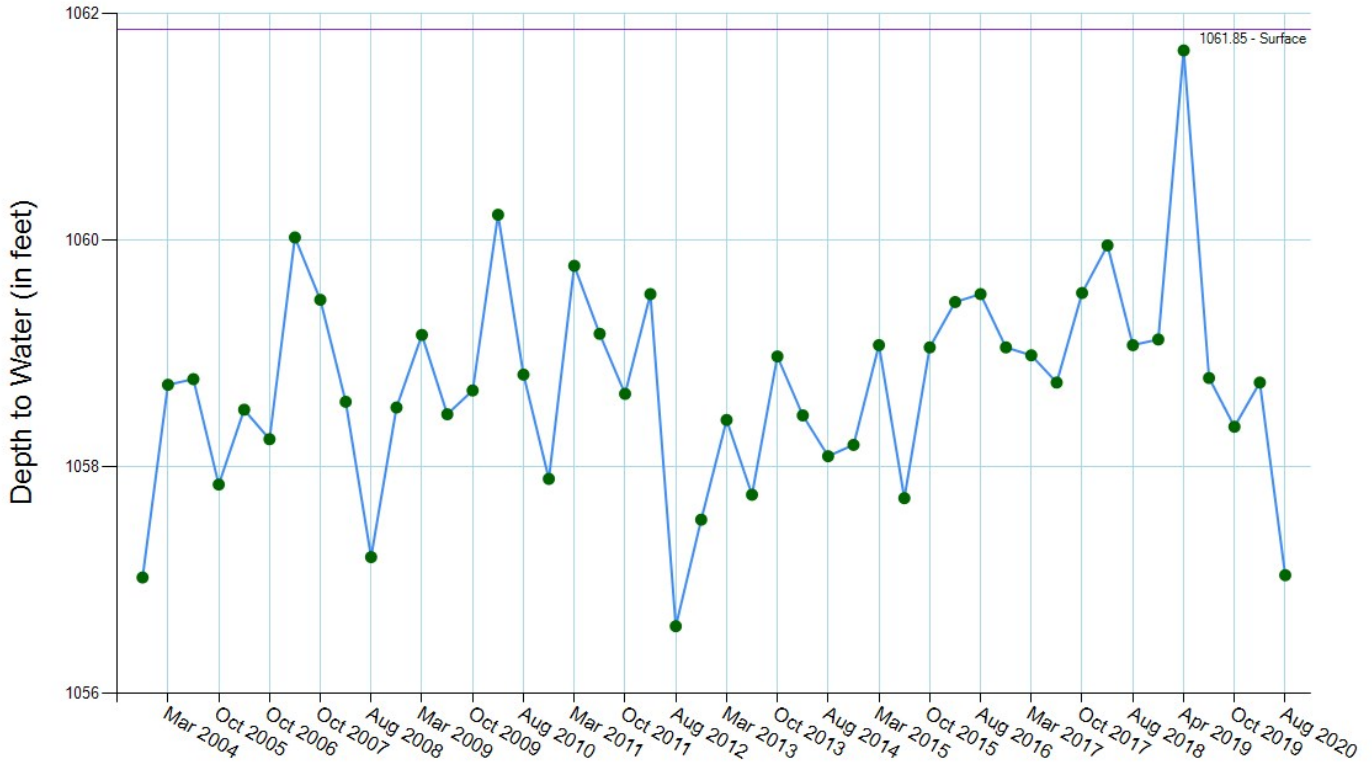
Region: Platte V.

County: Saunders

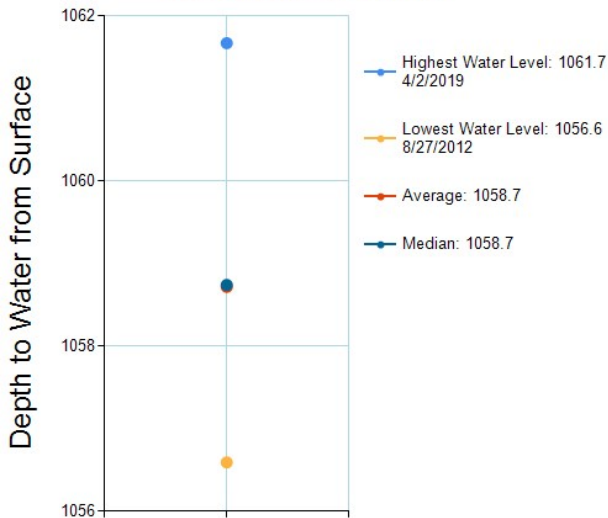
Legal: 13-10E-32

Owner Name: City of Lincoln

### Water Level Readings



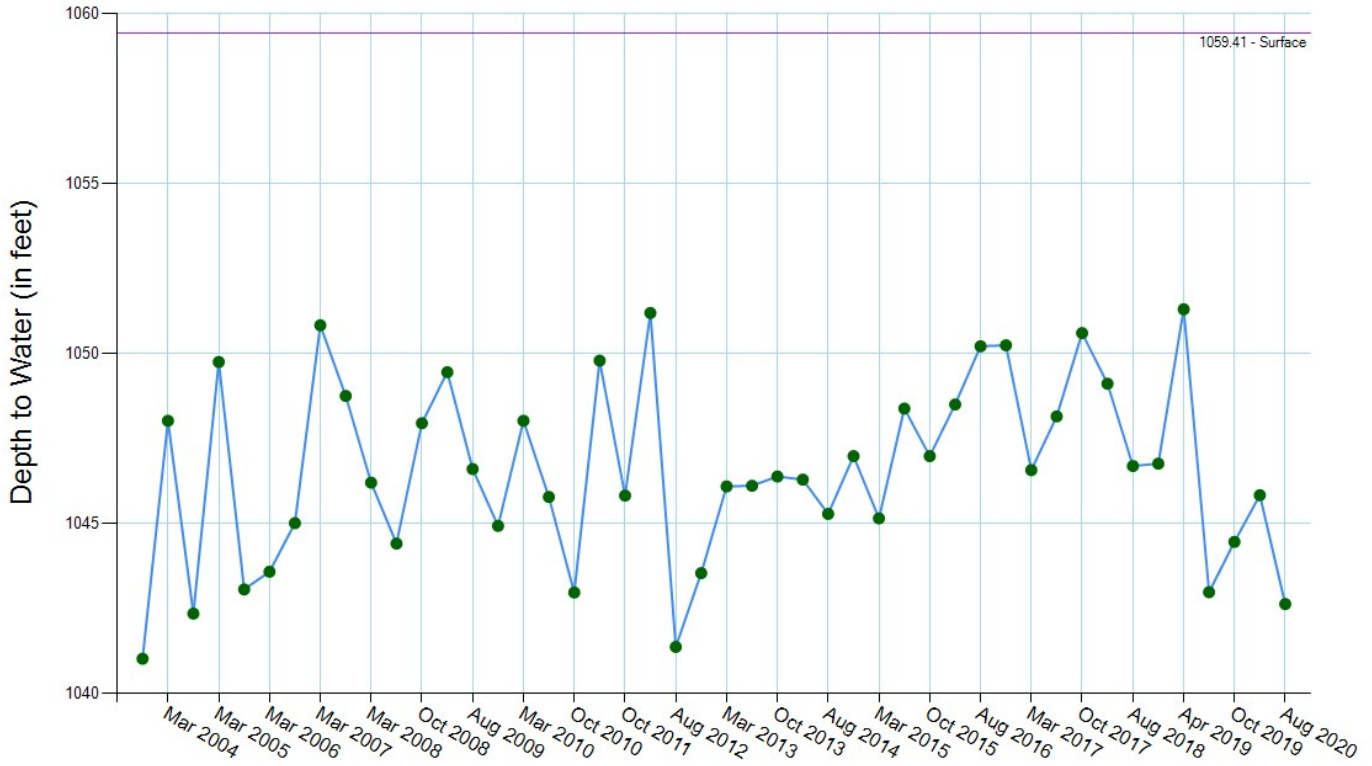
### Record Results



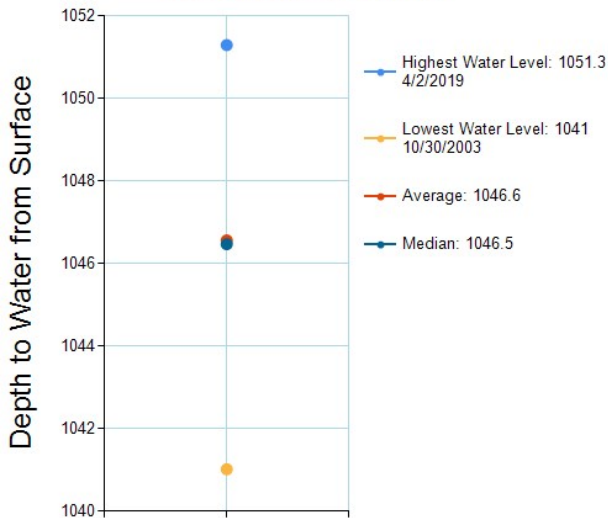
### Historical Readings (date - reading)

10/30/2003 - 1057	08/27/2009 - 1058.5	03/29/2013 - 1058.4	03/31/2017 - 1059
03/29/2004 - 1058.7	10/30/2009 - 1058.7	08/26/2013 - 1057.8	08/24/2017 - 1058.7
03/29/2005 - 1058.8	03/29/2010 - 1060.2	10/29/2013 - 1059	10/30/2017 - 1059.5
10/31/2005 - 1057.8	08/26/2010 - 1058.8	03/31/2014 - 1058.5	04/04/2018 - 1060
03/29/2006 - 1058.5	10/29/2010 - 1057.9	08/26/2014 - 1058.1	08/21/2018 - 1059.1
10/30/2006 - 1058.2	03/29/2011 - 1059.8	10/30/2014 - 1058.2	11/01/2018 - 1059.1
03/29/2007 - 1060	08/26/2011 - 1059.2	03/30/2015 - 1059.1	04/02/2019 - 1061.7
10/30/2007 - 1059.5	10/28/2011 - 1058.6	08/31/2015 - 1057.7	08/27/2019 - 1058.8
03/28/2008 - 1058.6	03/29/2012 - 1059.5	10/29/2015 - 1059.1	10/28/2019 - 1058.4
08/26/2008 - 1057.2	08/27/2012 - 1056.6	03/28/2016 - 1059.5	03/31/2020 - 1058.7
10/30/2008 - 1058.5	10/30/2012 - 1057.5	08/25/2016 - 1059.5	08/24/2020 - 1057
03/30/2009 - 1059.2		10/31/2016 - 1059.1	

## Water Level Readings



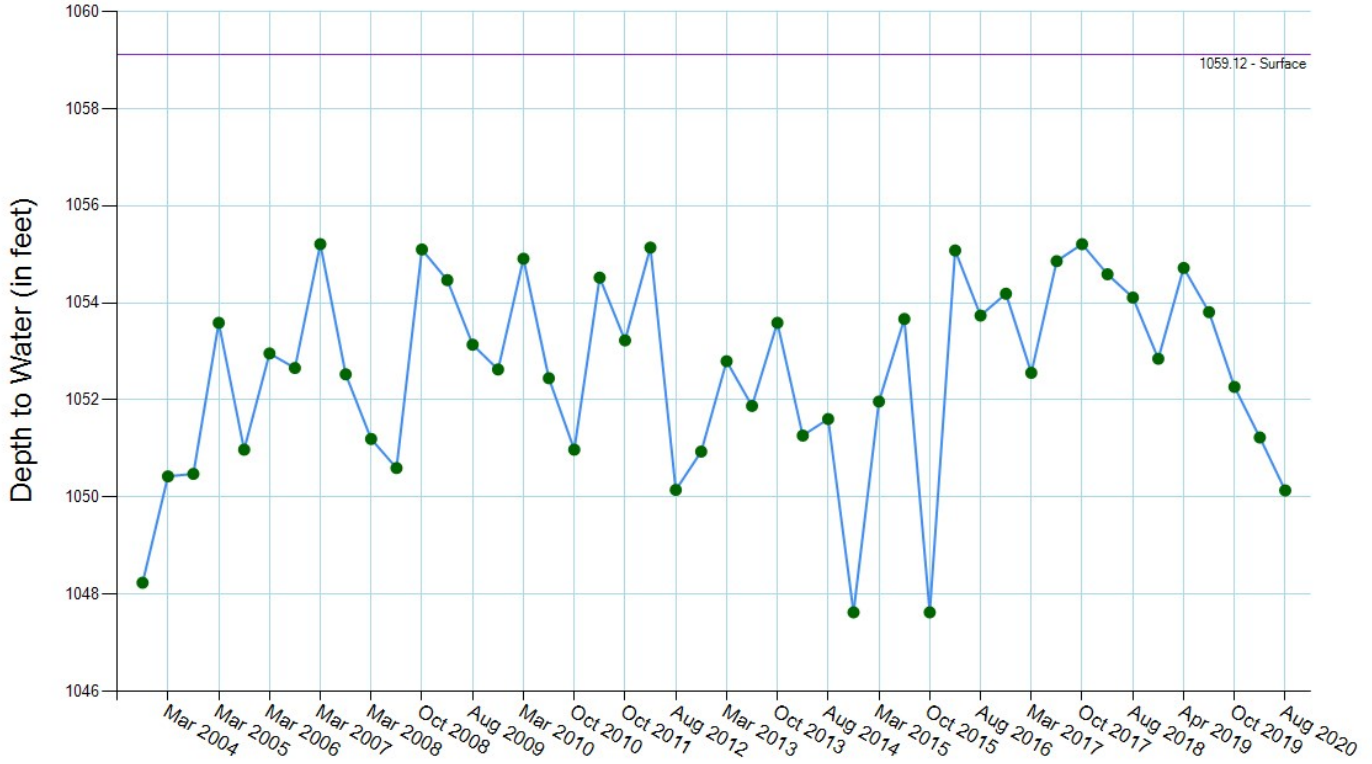
### Record Results



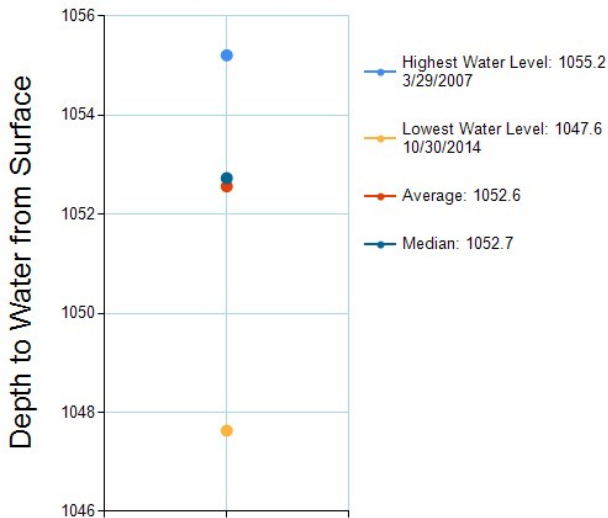
### Historical Readings (date - reading)

10/30/2003 - 1041	03/30/2009 - 1049.4	03/29/2013 - 1046.1	03/31/2017 - 1046.6
03/29/2004 - 1048	08/27/2009 - 1046.6	08/26/2013 - 1046.1	08/24/2017 - 1048.1
10/29/2004 - 1042.3	10/30/2009 - 1044.9	10/29/2013 - 1046.4	10/30/2017 - 1050.6
03/29/2005 - 1049.7	03/29/2010 - 1048	03/31/2014 - 1046.3	04/04/2018 - 1049.1
10/31/2005 - 1043.1	08/26/2010 - 1045.8	08/26/2014 - 1045.3	08/21/2018 - 1046.7
03/29/2006 - 1043.6	10/29/2010 - 1043	10/30/2014 - 1047	11/01/2018 - 1046.8
10/30/2006 - 1045	03/29/2011 - 1049.8	03/30/2015 - 1045.1	04/02/2019 - 1051.3
03/29/2007 - 1050.8	10/28/2011 - 1045.8	08/31/2015 - 1048.4	08/27/2019 - 1043
10/30/2007 - 1048.7	03/29/2012 - 1051.2	10/29/2015 - 1047	10/28/2019 - 1044.5
03/28/2008 - 1046.2	08/27/2012 - 1041.4	03/28/2016 - 1048.5	03/31/2020 - 1045.8
08/26/2008 - 1044.4	10/30/2012 - 1043.5	08/26/2016 - 1050.2	08/24/2020 - 1042.6
10/30/2008 - 1047.9		10/31/2016 - 1050.2	

## Water Level Readings



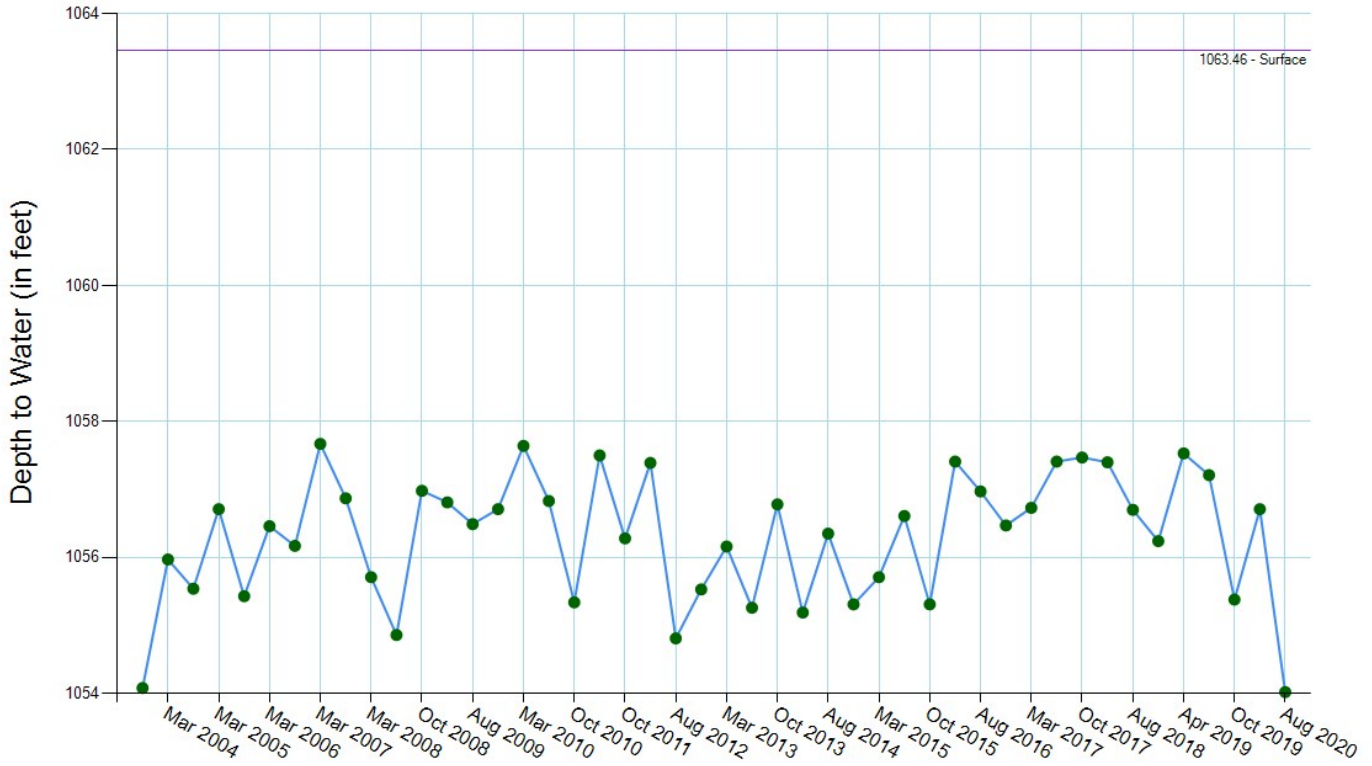
### Record Results



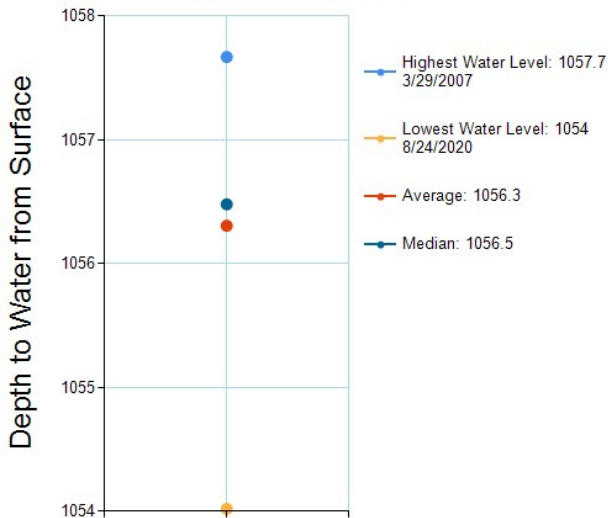
### Historical Readings (date - reading)

10/30/2003 - 1048.2	03/30/2009 - 1054.5	03/29/2013 - 1052.8	03/31/2017 - 1052.6
03/29/2004 - 1050.4	08/27/2009 - 1053.1	08/26/2013 - 1051.9	08/24/2017 - 1054.9
10/29/2004 - 1050.5	10/30/2009 - 1052.6	10/29/2013 - 1053.6	10/30/2017 - 1055.2
03/29/2005 - 1053.6	03/29/2010 - 1054.9	03/31/2014 - 1051.3	04/04/2018 - 1054.6
10/31/2005 - 1051	08/26/2010 - 1052.4	08/26/2014 - 1051.6	08/21/2018 - 1054.1
03/29/2006 - 1053	10/29/2010 - 1051	10/30/2014 - 1047.6	11/01/2018 - 1052.8
10/30/2006 - 1052.7	03/29/2011 - 1054.5	03/30/2015 - 1052	04/02/2019 - 1054.7
03/29/2007 - 1055.2	10/28/2011 - 1053.2	08/31/2015 - 1053.7	08/27/2019 - 1053.8
10/30/2007 - 1052.5	03/29/2012 - 1055.1	10/29/2015 - 1047.6	10/28/2019 - 1052.3
03/28/2008 - 1051.2	08/27/2012 - 1050.1	03/28/2016 - 1055.1	03/31/2020 - 1051.2
08/26/2008 - 1050.6	10/30/2012 - 1050.9	08/25/2016 - 1053.7	08/24/2020 - 1050.1
10/30/2008 - 1055.1		10/31/2016 - 1054.2	

## Water Level Readings



### Record Results



### Historical Readings (date - reading)

10/30/2003 - 1054.1	03/30/2009 - 1056.8	03/29/2013 - 1056.2	03/31/2017 - 1056.7
03/29/2004 - 1056	08/27/2009 - 1056.5	08/26/2013 - 1055.3	08/24/2017 - 1057.4
10/29/2004 - 1055.5	10/30/2009 - 1056.7	10/29/2013 - 1056.8	10/30/2017 - 1057.5
03/29/2005 - 1056.7	03/29/2010 - 1057.6	03/31/2014 - 1055.2	04/04/2018 - 1057.4
10/31/2005 - 1055.4	08/26/2010 - 1056.8	08/26/2014 - 1056.4	08/21/2018 - 1056.7
03/29/2006 - 1056.5	10/29/2010 - 1055.3	10/30/2014 - 1055.3	11/01/2018 - 1056.2
10/30/2006 - 1056.2	03/29/2011 - 1057.5	03/30/2015 - 1055.7	04/02/2019 - 1057.5
03/29/2007 - 1057.7	10/28/2011 - 1056.3	08/31/2015 - 1056.6	08/27/2019 - 1057.2
10/30/2007 - 1056.9	03/29/2012 - 1057.4	10/29/2015 - 1055.3	10/28/2019 - 1055.4
03/28/2008 - 1055.7	08/27/2012 - 1054.8	03/28/2016 - 1057.4	03/31/2020 - 1056.7
08/26/2008 - 1054.9	10/30/2012 - 1055.5	08/25/2016 - 1057	08/24/2020 - 1054
10/30/2008 - 1057		10/31/2016 - 1056.5	

RegCD: G-105907

Well #: M90-22R

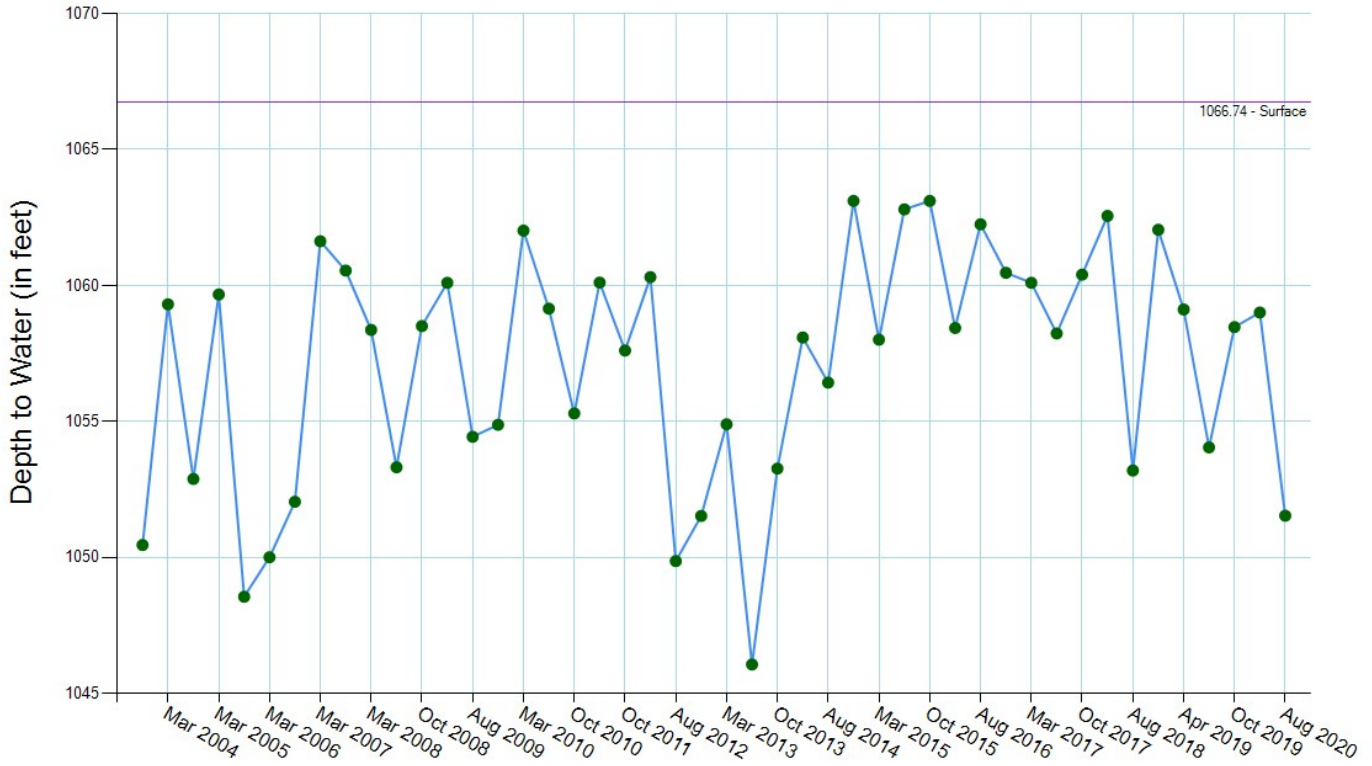
Region: Platte V.

County: Saunders

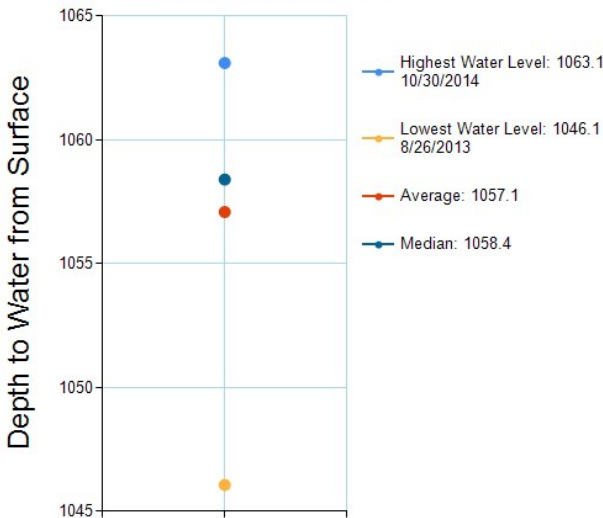
Legal: 13-9E-36

Owner Name: City of Lincoln

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

10/30/2003 - 1050.5	03/30/2009 - 1060.1	03/29/2013 - 1054.9	03/31/2017 - 1060.1
03/29/2004 - 1059.3	08/27/2009 - 1054.4	08/26/2013 - 1046.1	08/24/2017 - 1058.2
10/29/2004 - 1052.9	10/30/2009 - 1054.9	10/29/2013 - 1053.3	10/30/2017 - 1060.4
03/29/2005 - 1059.7	03/29/2010 - 1062	03/31/2014 - 1058.1	04/04/2018 - 1062.6
10/31/2005 - 1048.6	08/26/2010 - 1059.1	08/26/2014 - 1056.4	08/21/2018 - 1053.2
03/29/2006 - 1050	10/29/2010 - 1055.3	10/30/2014 - 1063.1	11/01/2018 - 1062
10/30/2006 - 1052	03/29/2011 - 1060.1	03/30/2015 - 1058	04/02/2019 - 1059.1
03/29/2007 - 1061.6	10/28/2011 - 1057.6	08/31/2015 - 1062.8	08/27/2019 - 1054
10/30/2007 - 1060.5	03/29/2012 - 1060.3	10/29/2015 - 1063.1	10/28/2019 - 1058.5
03/28/2008 - 1058.4	08/27/2012 - 1049.9	03/28/2016 - 1058.4	03/31/2020 - 1059
08/26/2008 - 1053.3	10/30/2012 - 1051.5	08/25/2016 - 1062.2	08/24/2020 - 1051.5
10/30/2008 - 1058.5		10/31/2016 - 1060.5	

RegCD: G-154545FI

Well #: MW-18A

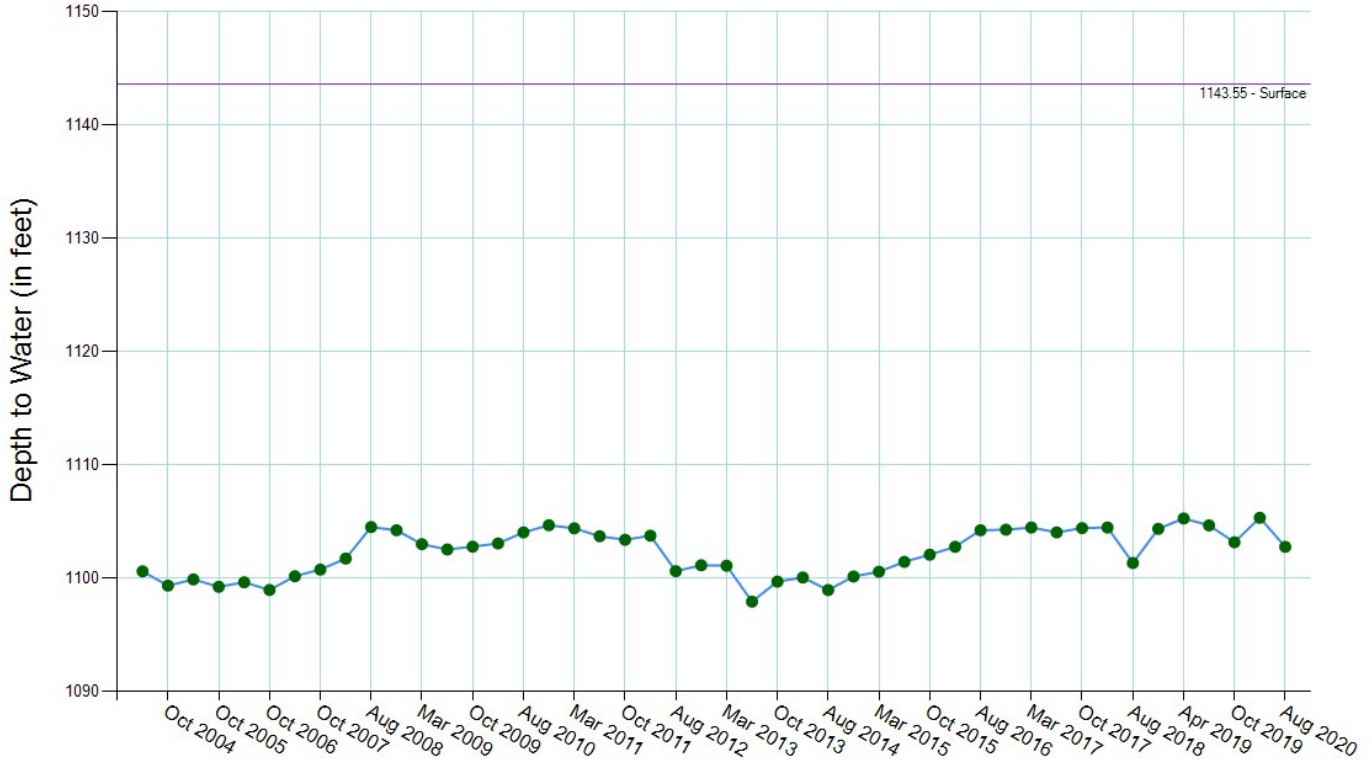
Region: Platte V.

County: Saunders

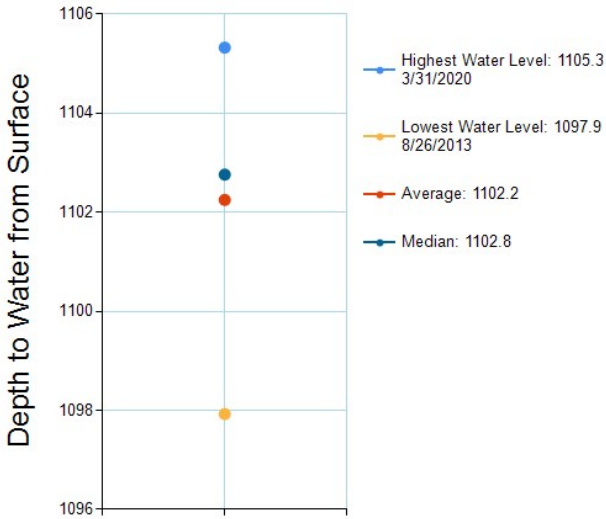
Legal: 14-9E-21

Owner Name: United States Army Corps of Engineers  
Kansas City District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

03/29/2004 - 1100.6	08/27/2009 - 1102.5	03/29/2013 - 1101.1	03/31/2017 - 1104.5
10/29/2004 - 1099.3	10/30/2009 - 1102.8	08/26/2013 - 1097.9	08/24/2017 - 1104
03/29/2005 - 1099.9	03/29/2010 - 1103.1	10/29/2013 - 1099.7	10/30/2017 - 1104.4
10/31/2005 - 1099.2	08/26/2010 - 1104	03/31/2014 - 1100.1	04/04/2018 - 1104.5
03/29/2006 - 1099.6	10/29/2010 - 1104.7	08/26/2014 - 1098.9	08/21/2018 - 1101.3
10/30/2006 - 1099	03/29/2011 - 1104.4	10/30/2014 - 1100.1	11/01/2018 - 1104.3
03/29/2007 - 1100.2	08/26/2011 - 1103.7	03/30/2015 - 1100.6	04/02/2019 - 1105.3
10/30/2007 - 1100.8	10/28/2011 - 1103.4	08/31/2015 - 1101.4	08/27/2019 - 1104.7
03/28/2008 - 1101.7	03/29/2012 - 1103.7	10/29/2015 - 1102.1	10/28/2019 - 1103.2
08/26/2008 - 1104.5	08/27/2012 - 1100.6	03/28/2016 - 1102.8	03/31/2020 - 1105.3
10/30/2008 - 1104.2	10/30/2012 - 1101.1	08/25/2016 - 1104.2	08/24/2020 - 1102.8
03/30/2009 - 1103		10/31/2016 - 1104.3	

RegCD: G-154545EX

Well #: MW-43A

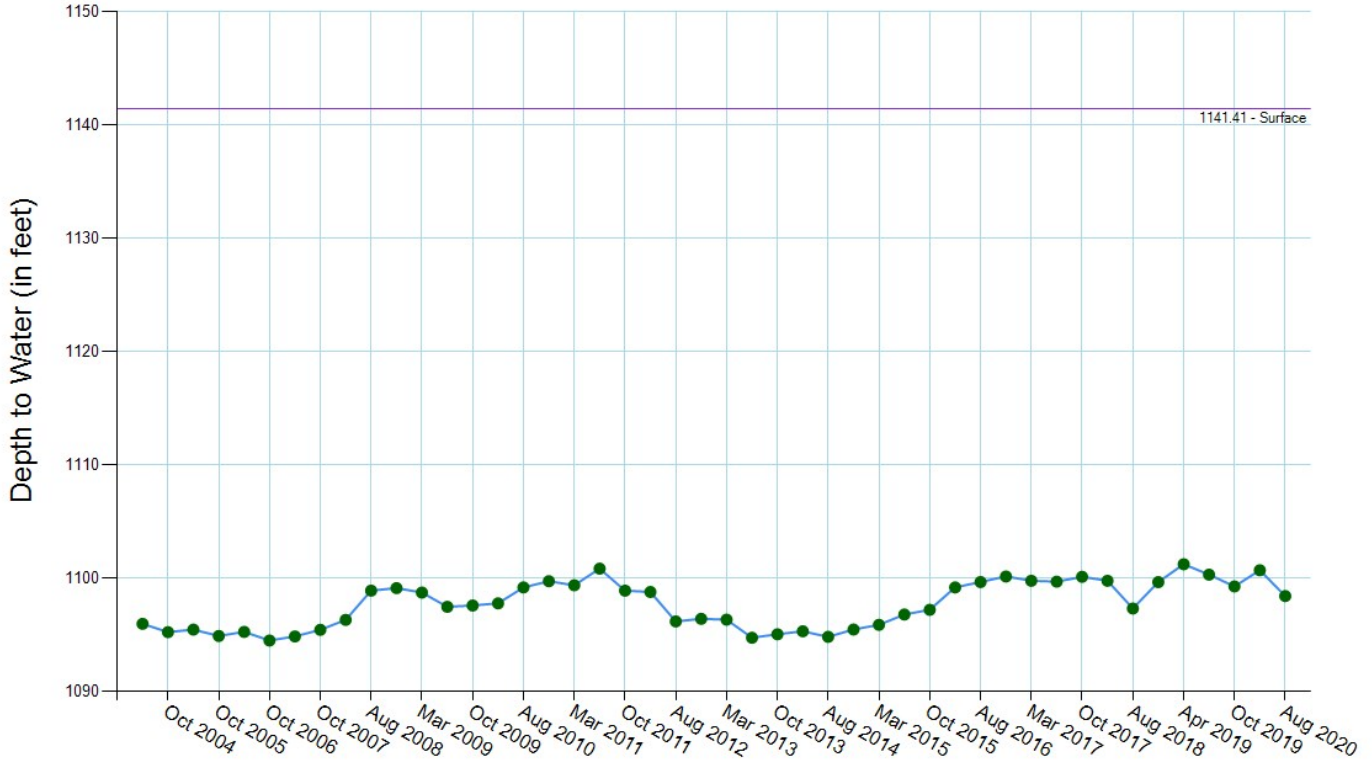
Region: Platte V.

County: Saunders

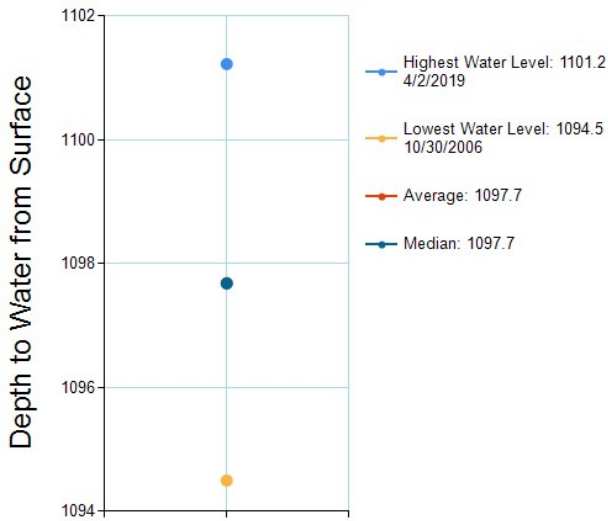
Legal: 14-9E-21

Owner Name: United States Army Corps of Engineers  
Kansas City District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

03/29/2004 - 1096	08/27/2009 - 1097.5	03/29/2013 - 1096.3	03/31/2017 - 1099.8
10/29/2004 - 1095.2	10/30/2009 - 1097.6	08/26/2013 - 1094.7	08/24/2017 - 1099.7
03/29/2005 - 1095.5	03/29/2010 - 1097.8	10/29/2013 - 1095	10/30/2017 - 1100.1
10/31/2005 - 1094.9	08/26/2010 - 1099.2	03/31/2014 - 1095.3	04/04/2018 - 1099.8
03/29/2006 - 1095.3	10/29/2010 - 1099.7	08/26/2014 - 1094.8	08/21/2018 - 1097.3
10/30/2006 - 1094.5	03/29/2011 - 1099.4	10/30/2014 - 1095.5	11/01/2018 - 1099.6
03/29/2007 - 1094.9	08/26/2011 - 1100.8	03/30/2015 - 1095.9	04/02/2019 - 1101.2
10/30/2007 - 1095.4	10/28/2011 - 1098.9	08/31/2015 - 1096.8	08/27/2019 - 1100.3
03/28/2008 - 1096.3	03/29/2012 - 1098.8	10/29/2015 - 1097.2	10/28/2019 - 1099.3
08/26/2008 - 1098.9	08/27/2012 - 1096.2	03/28/2016 - 1099.2	03/31/2020 - 1100.7
10/30/2008 - 1099.1	10/30/2012 - 1096.4	08/25/2016 - 1099.7	08/24/2020 - 1098.4
03/30/2009 - 1098.7		10/31/2016 - 1100.1	

RegCD: G-152732C

Well #: MW-104A

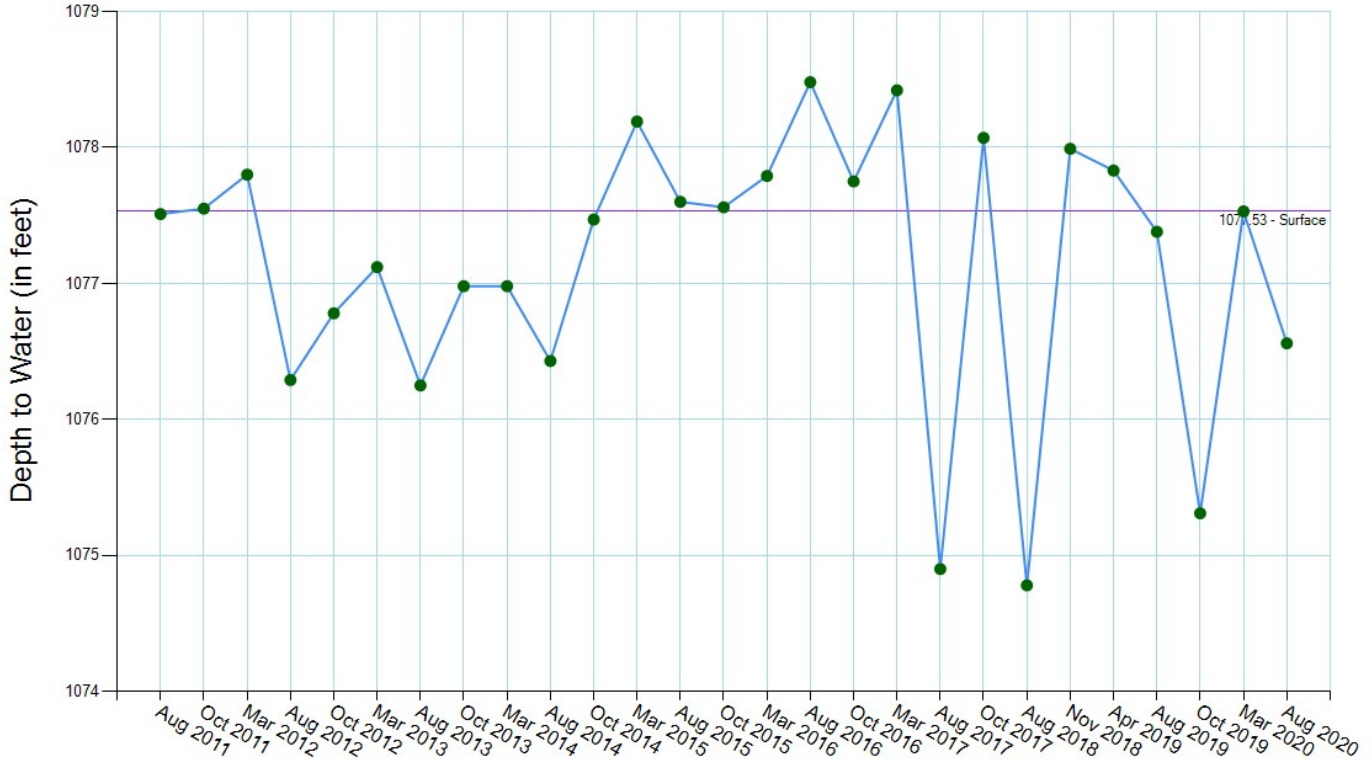
Region: Platte V.

County: Saunders

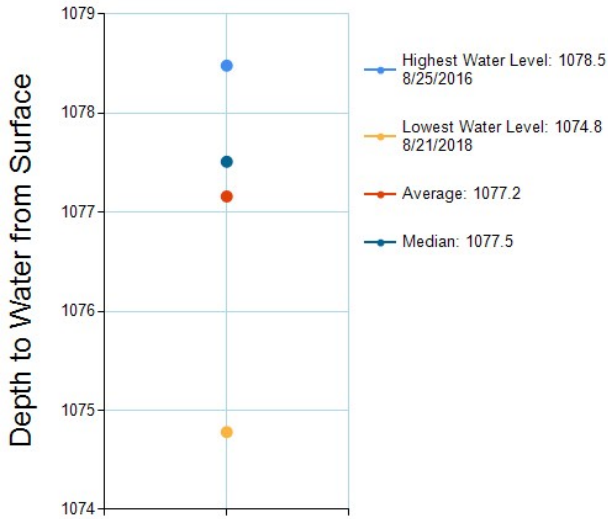
Legal: 14-9E-34

Owner Name: United States Army Corps of Engineers  
Kansas City District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

08/26/2011 - 1077.5	10/29/2013 - 1077	03/28/2016 - 1077.8	11/01/2018 - 1078
10/28/2011 - 1077.6	03/31/2014 - 1077	08/25/2016 - 1078.5	04/02/2019 - 1077.8
03/29/2012 - 1077.8	08/26/2014 - 1076.4	10/31/2016 - 1077.8	08/27/2019 - 1077.4
08/27/2012 - 1076.3	10/30/2014 - 1077.5	03/31/2017 - 1078.4	10/28/2019 - 1075.3
10/30/2012 - 1076.8	03/30/2015 - 1078.2	08/24/2017 - 1074.9	03/31/2020 - 1077.5
03/29/2013 - 1077.1	08/31/2015 - 1077.6	10/30/2017 - 1078.1	08/24/2020 - 1076.6
08/26/2013 - 1076.3	10/29/2015 - 1077.6	08/21/2018 - 1074.8	

RegCD: G-154545EO

Well #: MW-46A

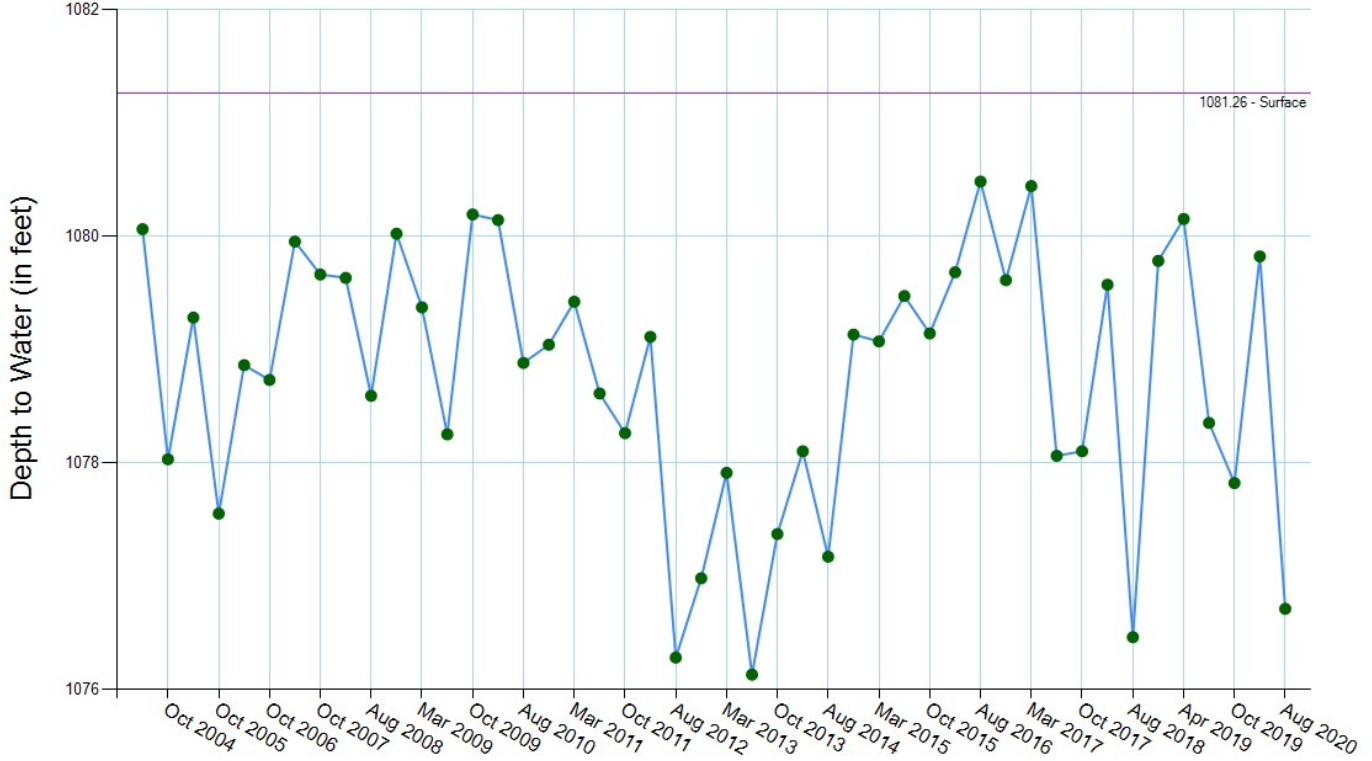
Region: Platte V.

County: Saunders

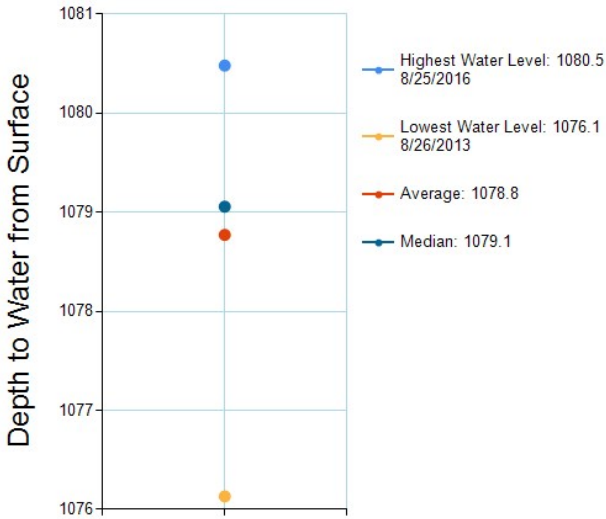
Legal: 14-9E-26

Owner Name: United States Army Corps of Engineers  
Kansas City District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

03/29/2004 - 1080.1	08/27/2009 - 1078.3	03/29/2013 - 1077.9	03/31/2017 - 1080.4
10/29/2004 - 1078	10/30/2009 - 1080.2	08/26/2013 - 1076.1	08/24/2017 - 1078.1
03/29/2005 - 1079.3	03/29/2010 - 1080.1	10/29/2013 - 1077.4	10/30/2017 - 1078.1
10/31/2005 - 1077.6	08/26/2010 - 1078.9	03/31/2014 - 1078.1	04/04/2018 - 1079.6
03/29/2006 - 1078.9	10/29/2010 - 1079	08/26/2014 - 1077.2	08/21/2018 - 1076.5
10/30/2006 - 1078.7	03/29/2011 - 1079.4	10/30/2014 - 1079.1	11/01/2018 - 1079.8
03/29/2007 - 1080	08/26/2011 - 1078.6	03/30/2015 - 1079.1	04/02/2019 - 1080.2
10/30/2007 - 1079.7	10/28/2011 - 1078.3	08/31/2015 - 1079.5	08/27/2019 - 1078.4
03/28/2008 - 1079.6	03/29/2012 - 1079.1	10/29/2015 - 1079.1	10/28/2019 - 1077.8
08/26/2008 - 1078.6	08/27/2012 - 1076.3	03/28/2016 - 1079.7	03/31/2020 - 1079.8
10/30/2008 - 1080	10/30/2012 - 1077	08/25/2016 - 1080.5	08/24/2020 - 1076.7
03/30/2009 - 1079.4		10/31/2016 - 1079.6	

RegCD: G-154545EU

Well #: MW-44A

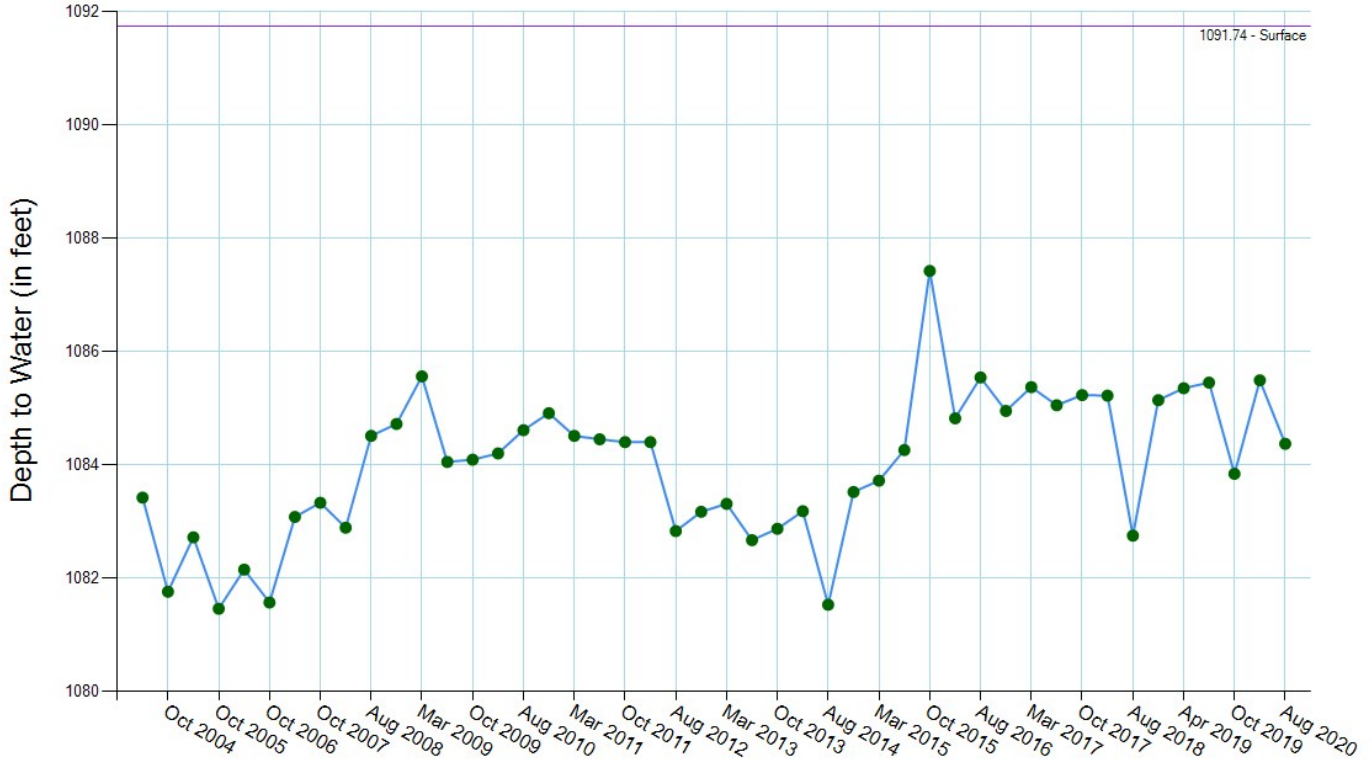
Region: Platte V.

County: Saunders

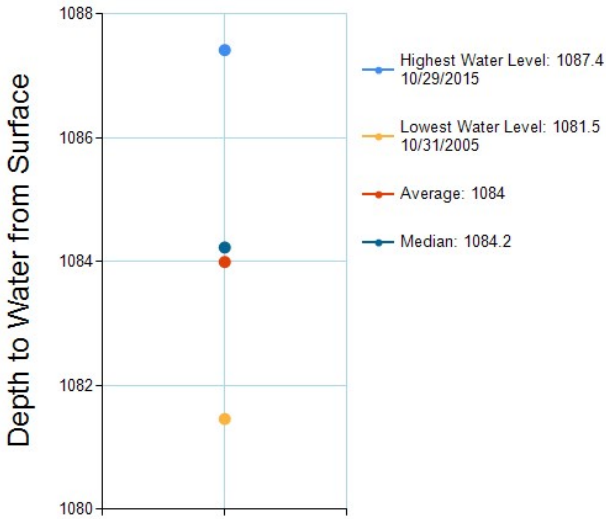
Legal: 14-9E-27

Owner Name: United States Army Corps of Engineers  
Kansas City District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

03/29/2004 - 1083.4	08/27/2009 - 1084.1	03/29/2013 - 1083.3	03/31/2017 - 1085.4
10/29/2004 - 1081.8	10/30/2009 - 1084.1	08/26/2013 - 1082.7	08/24/2017 - 1085.1
03/29/2005 - 1082.7	03/29/2010 - 1084.2	10/29/2013 - 1082.9	10/30/2017 - 1085.2
10/31/2005 - 1081.5	08/26/2010 - 1084.6	03/31/2014 - 1083.2	04/04/2018 - 1085.2
03/29/2006 - 1082.2	10/29/2010 - 1084.9	08/26/2014 - 1081.5	08/21/2018 - 1082.8
10/30/2006 - 1081.6	03/29/2011 - 1084.5	10/30/2014 - 1083.5	11/01/2018 - 1085.1
03/29/2007 - 1083.1	08/26/2011 - 1084.5	03/30/2015 - 1083.7	04/02/2019 - 1085.4
10/30/2007 - 1083.3	10/28/2011 - 1084.4	08/31/2015 - 1084.3	08/27/2019 - 1085.5
03/28/2008 - 1082.9	03/29/2012 - 1084.4	10/29/2015 - 1087.4	10/28/2019 - 1083.8
08/26/2008 - 1084.5	08/27/2012 - 1082.8	03/28/2016 - 1084.8	03/31/2020 - 1085.5
10/30/2008 - 1084.7	10/30/2012 - 1083.2	08/25/2016 - 1085.5	08/24/2020 - 1084.4
03/30/2009 - 1085.6		10/31/2016 - 1085	

RegCD: G-154545L

Well #: MW-34A

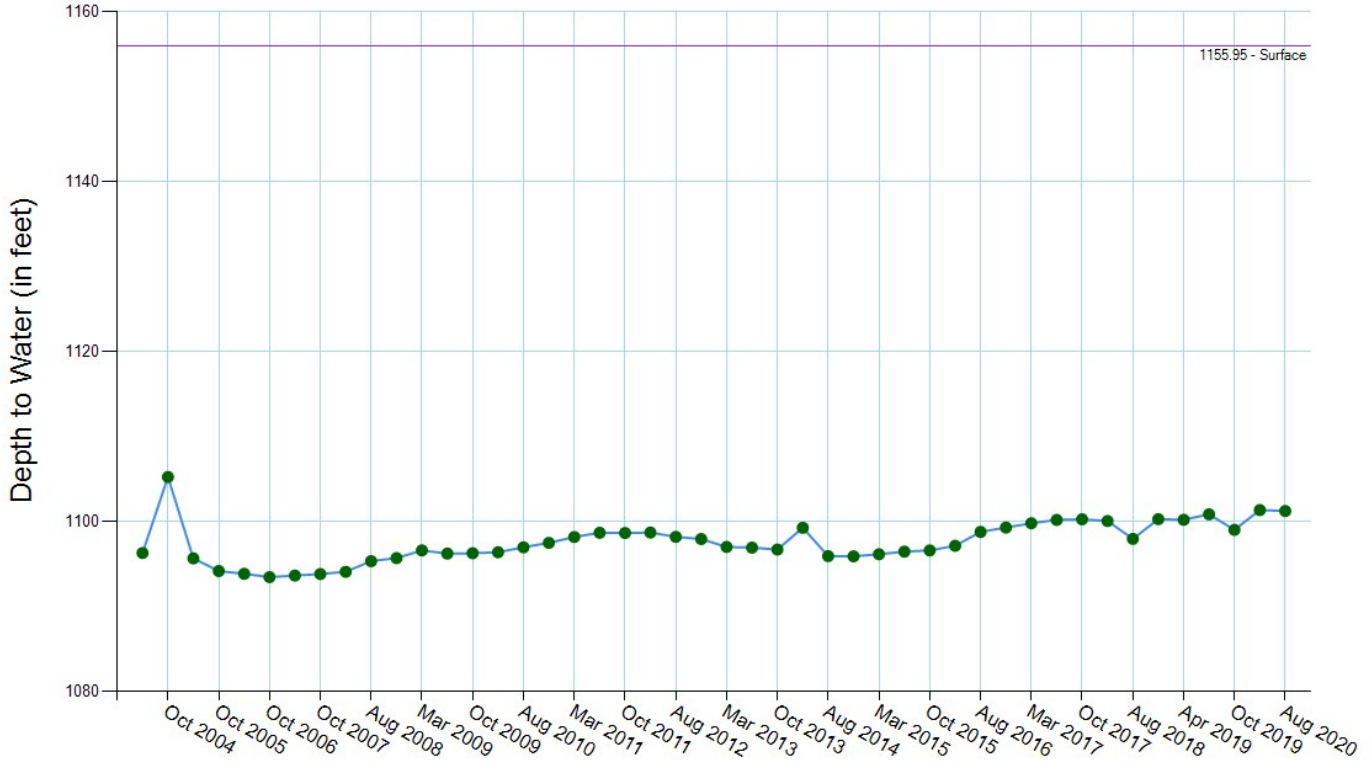
Region: Platte V.

County: Saunders

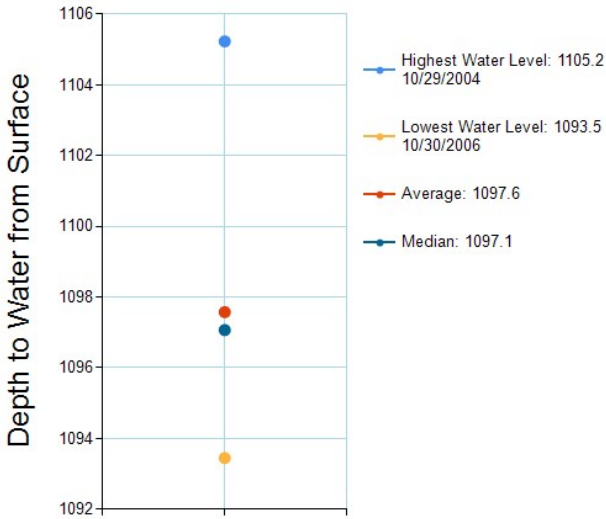
Legal: 14-9E-28

Owner Name: United States Army Corps of Engineers  
Kansas City District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

03/29/2004 - 1096.3	08/27/2009 - 1096.2	03/29/2013 - 1097	03/31/2017 - 1099.8
10/29/2004 - 1105.2	10/30/2009 - 1096.3	08/26/2013 - 1096.9	08/24/2017 - 1100.2
03/29/2005 - 1095.7	03/29/2010 - 1096.4	10/29/2013 - 1096.7	10/30/2017 - 1100.3
10/31/2005 - 1094.2	08/26/2010 - 1097	03/31/2014 - 1099.3	04/04/2018 - 1100.1
03/29/2006 - 1093.8	10/29/2010 - 1097.5	08/26/2014 - 1095.9	08/21/2018 - 1098
10/30/2006 - 1093.5	03/29/2011 - 1098.2	10/30/2014 - 1095.9	11/01/2018 - 1100.3
03/29/2007 - 1093.6	08/26/2011 - 1098.7	03/30/2015 - 1096.1	04/02/2019 - 1100.2
10/30/2007 - 1093.8	10/28/2011 - 1098.6	08/31/2015 - 1096.5	08/27/2019 - 1100.8
03/28/2008 - 1094.1	03/29/2012 - 1098.7	10/29/2015 - 1096.6	10/28/2019 - 1099
08/26/2008 - 1095.3	08/27/2012 - 1098.2	03/28/2016 - 1097.1	03/31/2020 - 1101.3
10/30/2008 - 1095.7	10/30/2012 - 1097.9	08/25/2016 - 1098.8	08/24/2020 - 1101.2
03/30/2009 - 1096.6		10/31/2016 - 1099.3	

RegCD: G-154545I

Well #: MW-35A

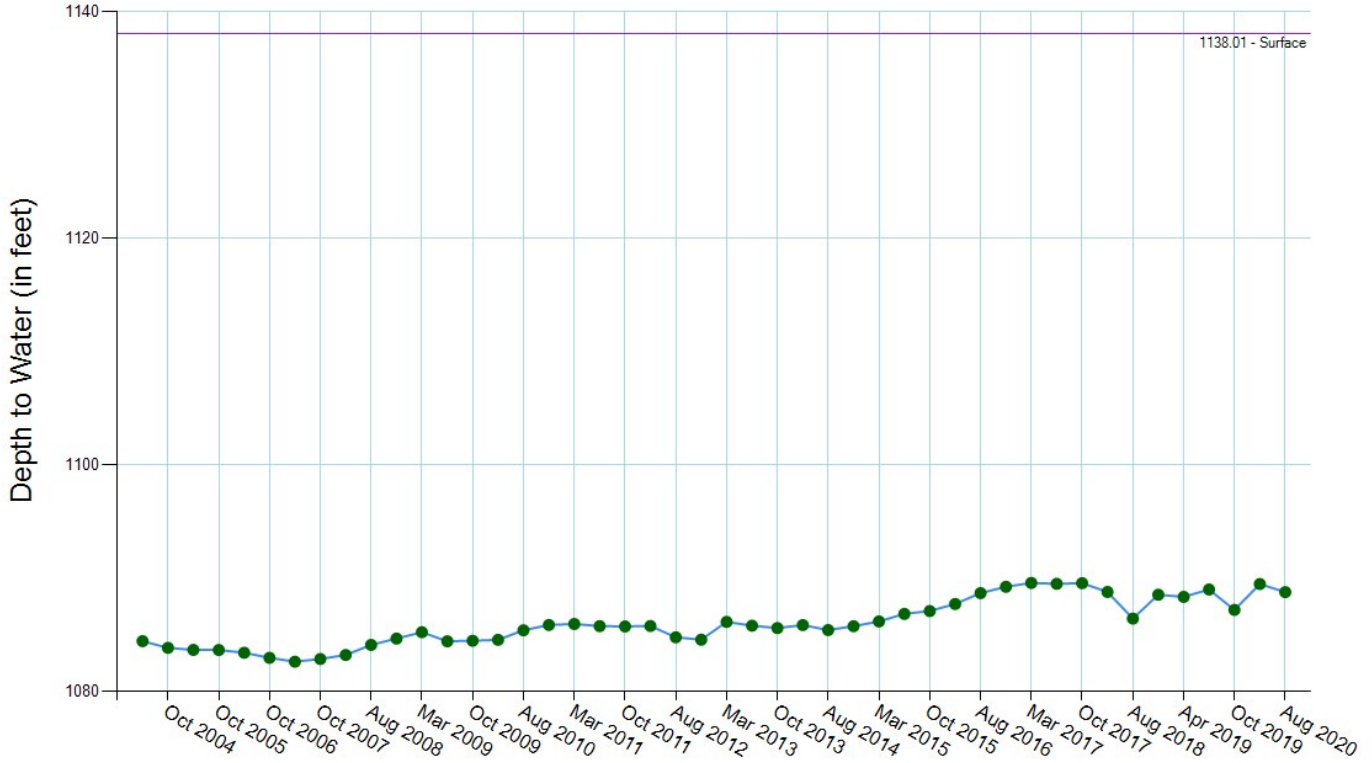
Region: Platte V.

County: Saunders

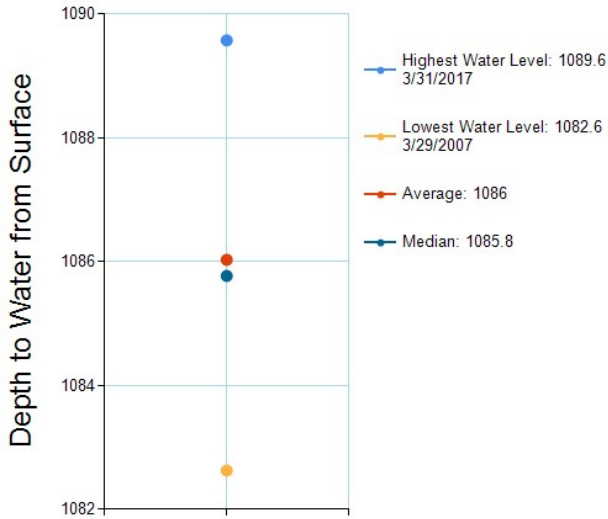
Legal: 14-9E-33

Owner Name: United States Army Corps of Engineers  
Kansas City District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

03/29/2004 - 1084.4	08/27/2009 - 1084.4	03/29/2013 - 1086.1	03/31/2017 - 1089.6
10/29/2004 - 1083.8	10/30/2009 - 1084.5	08/26/2013 - 1085.8	08/24/2017 - 1089.5
03/29/2005 - 1083.7	03/29/2010 - 1084.6	10/29/2013 - 1085.6	10/30/2017 - 1089.6
10/31/2005 - 1083.7	08/26/2010 - 1085.4	03/31/2014 - 1085.9	04/04/2018 - 1088.8
03/29/2006 - 1083.4	10/29/2010 - 1085.9	08/26/2014 - 1085.4	08/21/2018 - 1086.4
10/30/2006 - 1083	03/29/2011 - 1086	10/30/2014 - 1085.8	11/01/2018 - 1088.5
03/29/2007 - 1082.6	08/26/2011 - 1085.8	03/30/2015 - 1086.2	04/02/2019 - 1088.3
10/30/2007 - 1082.9	10/28/2011 - 1085.7	08/31/2015 - 1086.8	08/27/2019 - 1089
03/28/2008 - 1083.2	03/29/2012 - 1085.8	10/29/2015 - 1087.1	10/28/2019 - 1087.2
08/26/2008 - 1084.1	08/27/2012 - 1084.8	03/28/2016 - 1087.7	03/31/2020 - 1089.5
10/30/2008 - 1084.7	10/30/2012 - 1084.6	08/25/2016 - 1088.7	08/24/2020 - 1088.8
03/30/2009 - 1085.2		10/31/2016 - 1089.2	

RegCD: G-157027V

Well #: MW-158A

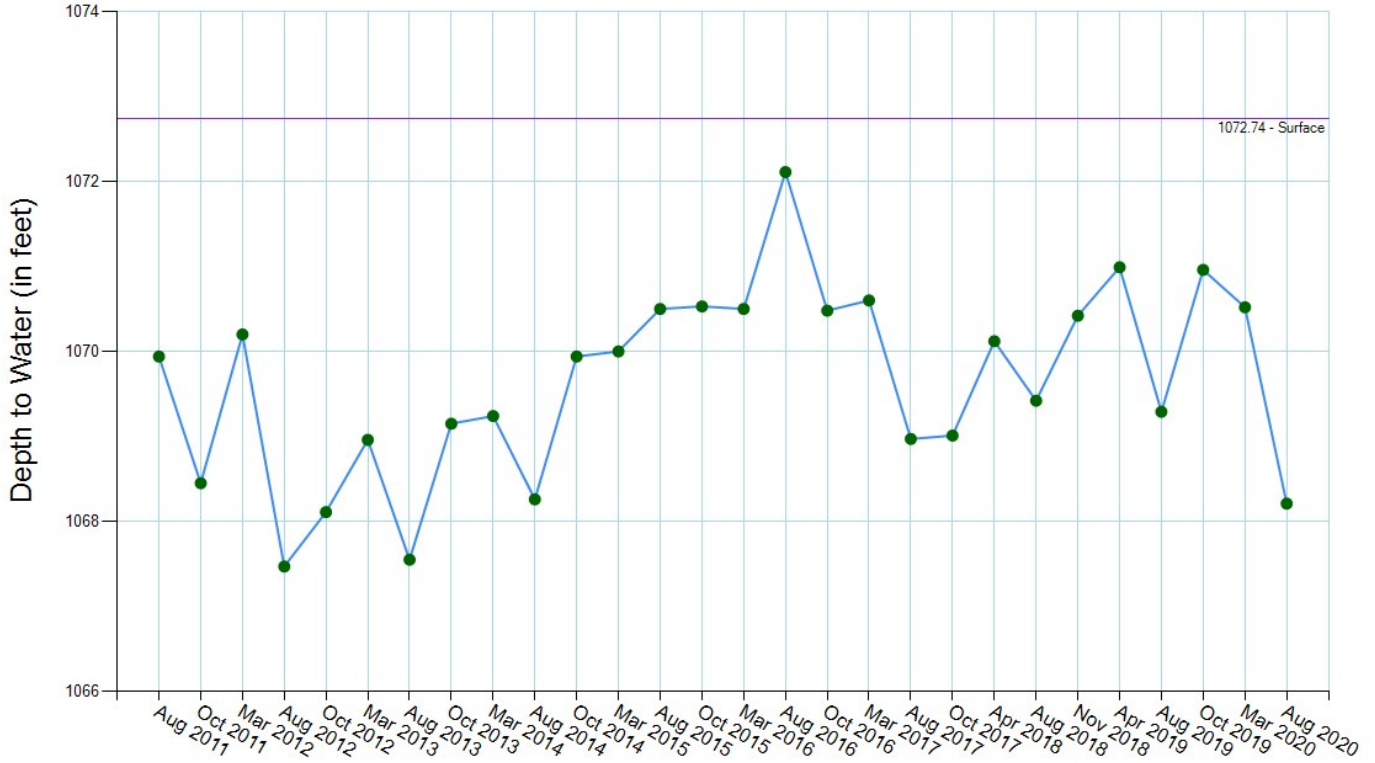
Region: Platte V.

County: Saunders

Legal: 13-9E-2

Owner Name: United States Army Corps of Engineers  
Kansas City District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

08/26/2011 - 1069.9	10/29/2013 - 1069.2	03/28/2016 - 1070.5	08/21/2018 - 1069.4
10/28/2011 - 1068.5	03/31/2014 - 1069.2	08/25/2016 - 1072.1	11/01/2018 - 1070.4
03/29/2012 - 1070.2	08/26/2014 - 1068.3	10/31/2016 - 1070.5	04/02/2019 - 1071
08/27/2012 - 1067.5	10/30/2014 - 1069.9	03/31/2017 - 1070.6	08/27/2019 - 1069.3
10/30/2012 - 1068.1	03/30/2015 - 1070	08/24/2017 - 1069	10/28/2019 - 1071
03/29/2013 - 1069	08/31/2015 - 1070.5	10/30/2017 - 1069	03/31/2020 - 1070.5
08/26/2013 - 1067.6	10/29/2015 - 1070.5	04/04/2018 - 1070.1	08/24/2020 - 1068.2

RegCD: G-154545EA

Well #: MW-60A

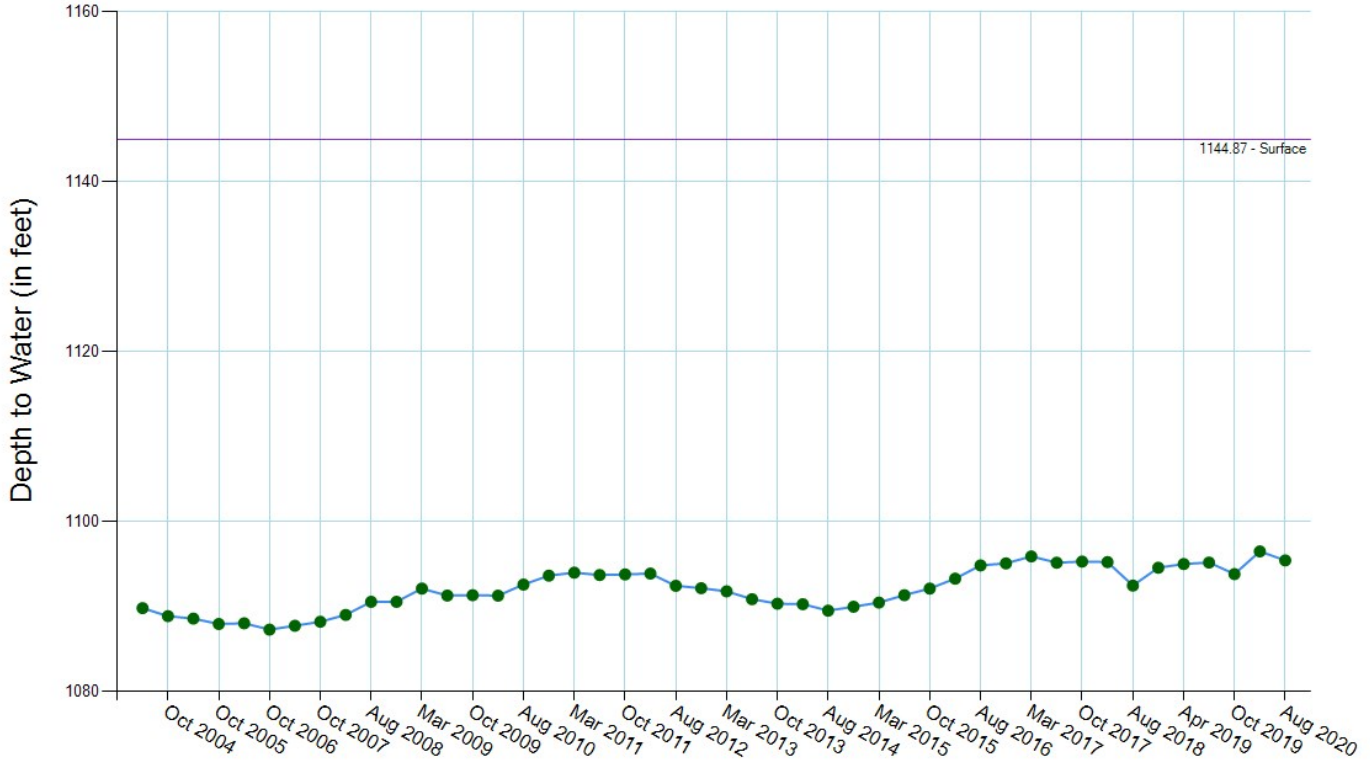
Region: Platte V.

County: Saunders

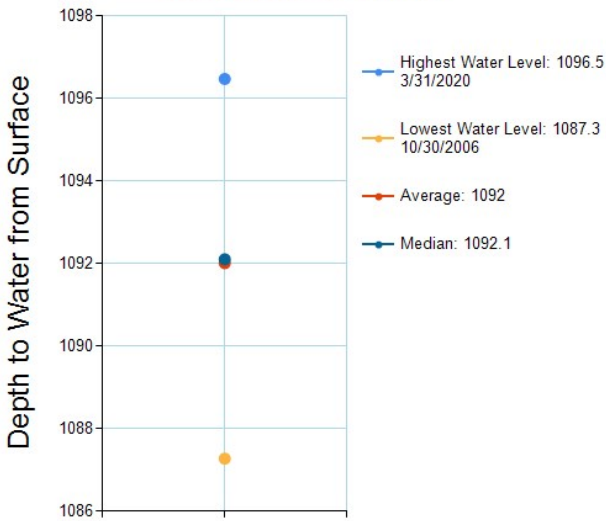
Legal: 13-9E-4

Owner Name: United States Army Corps of Engineers  
Kansas City District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

03/29/2004 - 1089.8	08/27/2009 - 1091.3	03/29/2013 - 1091.8	03/31/2017 - 1095.9
10/29/2004 - 1088.9	10/30/2009 - 1091.3	08/26/2013 - 1090.9	08/24/2017 - 1095.1
03/29/2005 - 1088.6	03/29/2010 - 1091.3	10/29/2013 - 1090.3	10/30/2017 - 1095.3
10/31/2005 - 1087.9	08/26/2010 - 1092.6	03/31/2014 - 1090.3	04/04/2018 - 1095.2
03/29/2006 - 1088	10/29/2010 - 1093.6	08/26/2014 - 1089.5	08/21/2018 - 1092.5
10/30/2006 - 1087.3	03/29/2011 - 1094	10/30/2014 - 1090	11/01/2018 - 1094.6
03/29/2007 - 1087.7	08/26/2011 - 1093.7	03/30/2015 - 1090.5	04/02/2019 - 1095
10/30/2007 - 1088.2	10/28/2011 - 1093.8	08/31/2015 - 1091.3	08/27/2019 - 1095.2
03/28/2008 - 1089	03/29/2012 - 1093.9	10/29/2015 - 1092.1	10/28/2019 - 1093.8
08/26/2008 - 1090.5	08/27/2012 - 1092.4	03/28/2016 - 1093.3	03/31/2020 - 1096.5
10/30/2008 - 1090.5	10/30/2012 - 1092.1	08/25/2016 - 1094.8	08/24/2020 - 1095.4
03/30/2009 - 1092.1		10/31/2016 - 1095.1	

RegCD: G-154545C

Well #: MW-38A

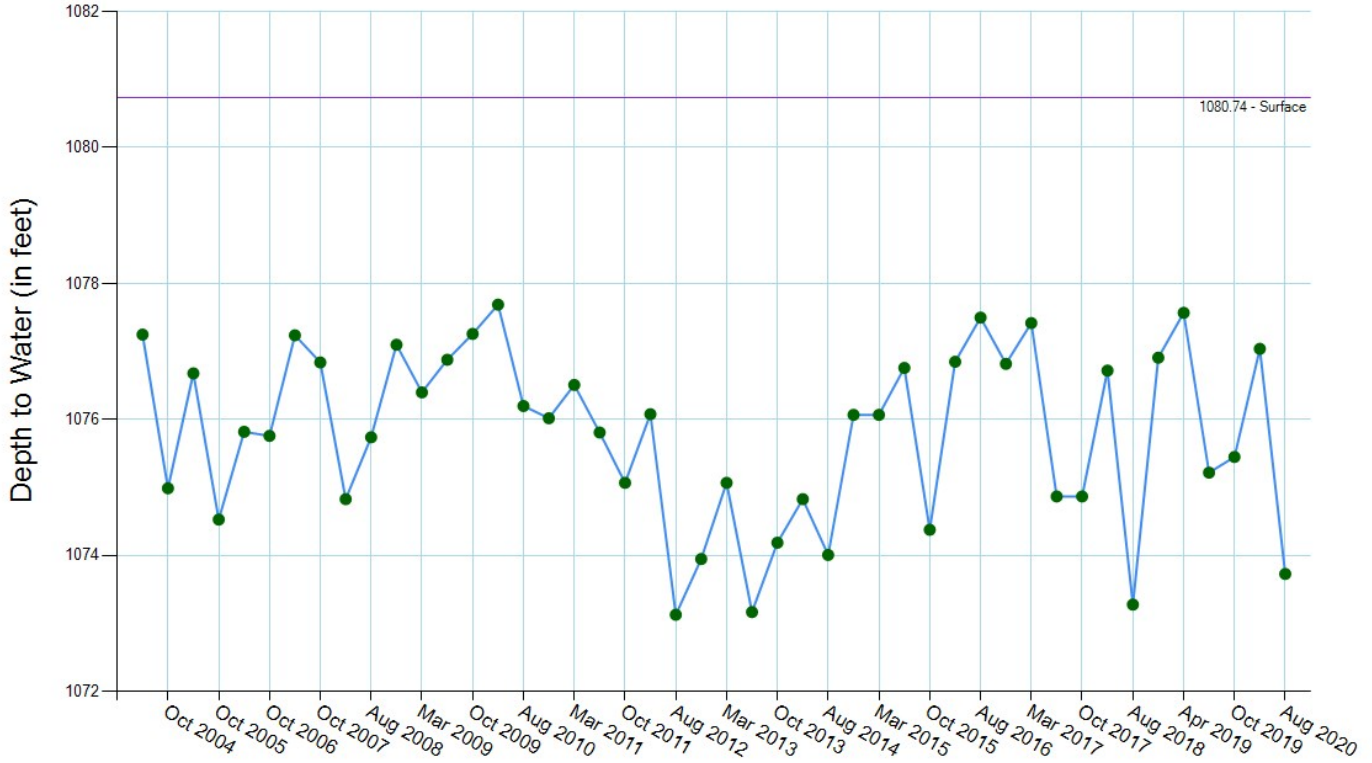
Region: Platte V.

County: Saunders

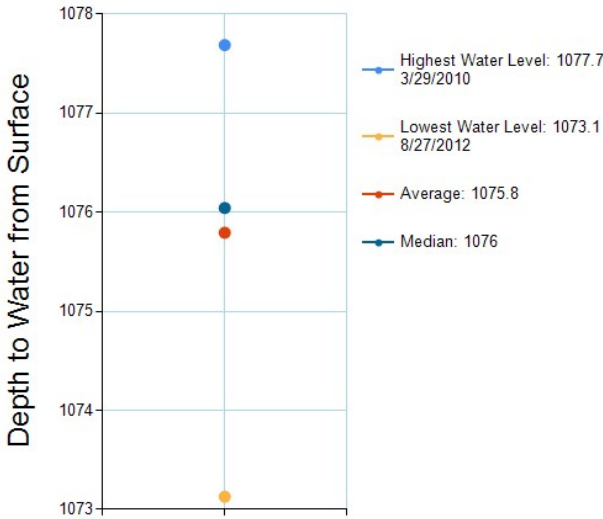
Legal: 14-9E-35

Owner Name: United States Army Corps of Engineers  
Kansas City District

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

03/29/2004 - 1077.2	08/27/2009 - 1076.9	03/29/2013 - 1075.1	03/31/2017 - 1077.4
10/29/2004 - 1075	10/30/2009 - 1077.3	08/26/2013 - 1073.2	08/24/2017 - 1074.9
03/29/2005 - 1076.7	03/29/2010 - 1077.7	10/29/2013 - 1074.2	10/30/2017 - 1074.9
10/31/2005 - 1074.5	08/26/2010 - 1076.2	03/31/2014 - 1074.8	04/04/2018 - 1076.7
03/29/2006 - 1075.8	10/29/2010 - 1076	08/26/2014 - 1074	08/21/2018 - 1073.3
10/30/2006 - 1075.8	03/29/2011 - 1076.5	10/30/2014 - 1076.1	11/01/2018 - 1076.9
03/29/2007 - 1077.2	08/26/2011 - 1075.8	03/30/2015 - 1076.1	04/02/2019 - 1077.6
10/30/2007 - 1076.8	10/28/2011 - 1075.1	08/31/2015 - 1076.8	08/27/2019 - 1075.2
03/28/2008 - 1074.8	03/29/2012 - 1076.1	10/29/2015 - 1074.4	10/28/2019 - 1075.4
08/26/2008 - 1075.7	08/27/2012 - 1073.1	03/28/2016 - 1076.8	03/31/2020 - 1077
10/30/2008 - 1077.1	10/30/2012 - 1073.9	08/25/2016 - 1077.5	08/24/2020 - 1073.7
03/30/2009 - 1076.4		10/31/2016 - 1076.8	

RegCD: G-154545EY

Well #: MW-42A

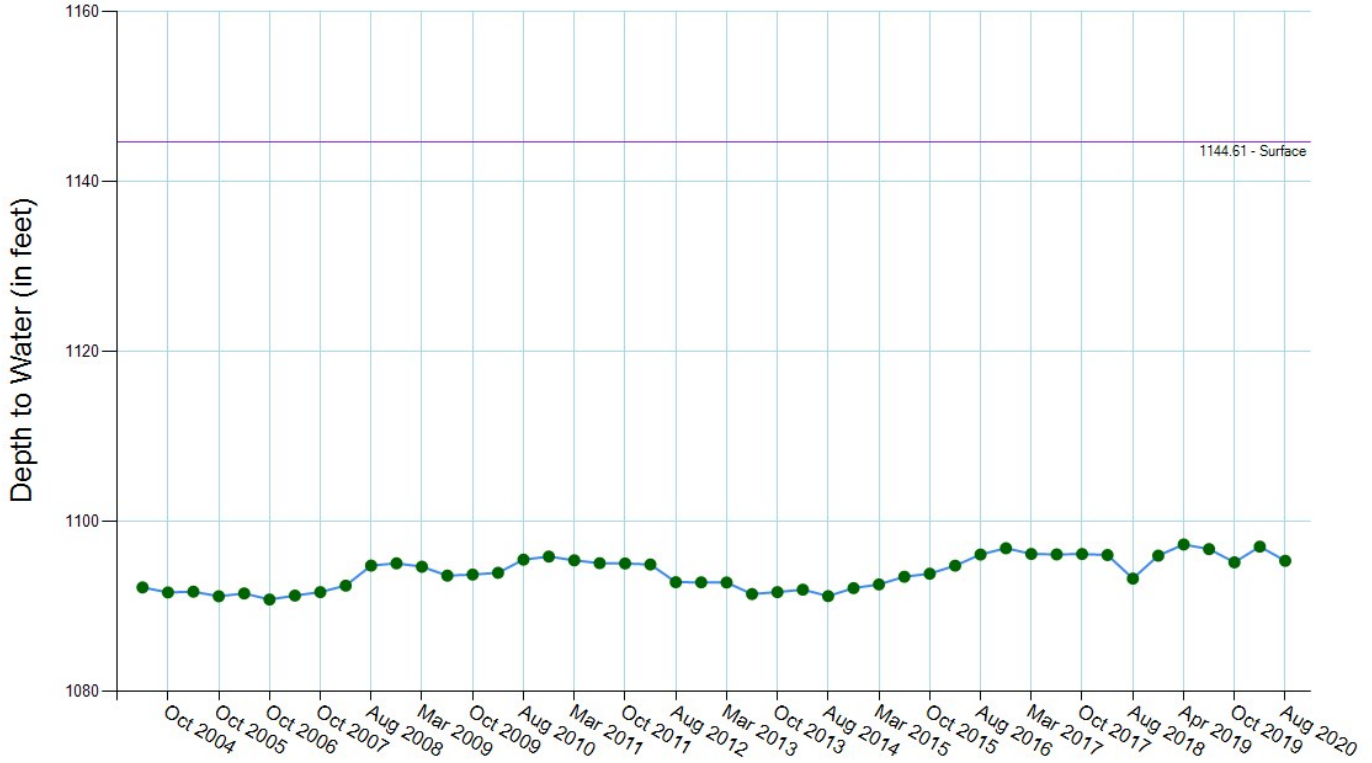
Region: Platte V.

County: Saunders

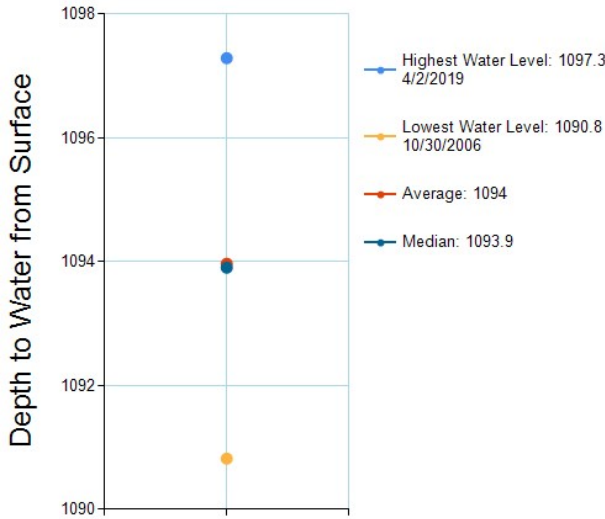
Legal: 14-9E-28

Owner Name: United States Army Corps of Engineers  
Kansas City District

### Water Level Readings



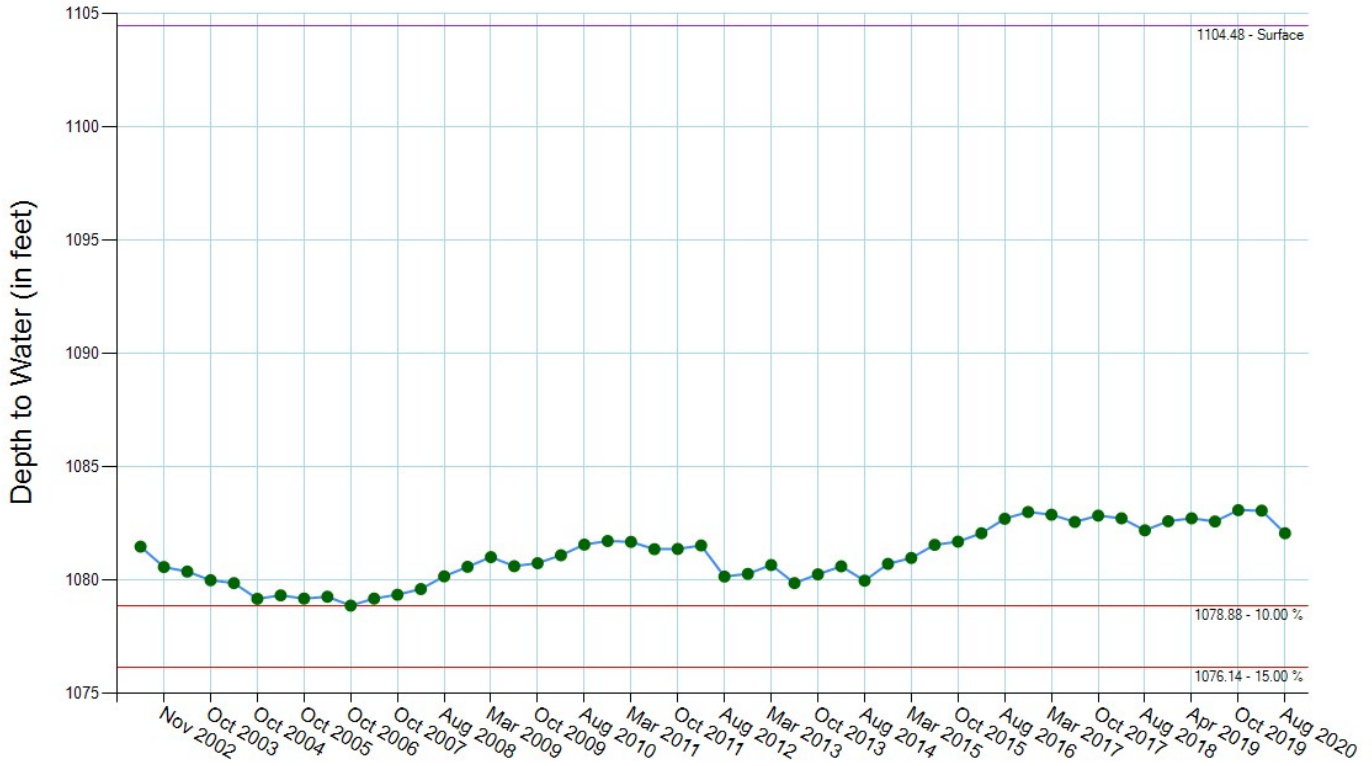
### Record Results



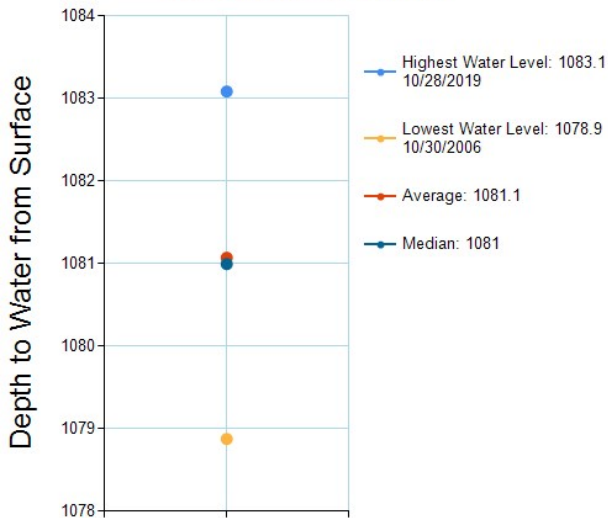
### Historical Readings (date - reading)

03/29/2004 - 1092.2	08/27/2009 - 1093.6	03/29/2013 - 1092.8	03/31/2017 - 1096.2
10/29/2004 - 1091.6	10/30/2009 - 1093.7	08/26/2013 - 1091.5	08/24/2017 - 1096.1
03/29/2005 - 1091.7	03/29/2010 - 1094	10/29/2013 - 1091.7	10/30/2017 - 1096.2
10/31/2005 - 1091.2	08/26/2010 - 1095.5	03/31/2014 - 1092	04/04/2018 - 1096
03/29/2006 - 1091.5	10/29/2010 - 1095.9	08/26/2014 - 1091.2	08/21/2018 - 1093.3
10/30/2006 - 1090.8	03/29/2011 - 1095.4	10/30/2014 - 1092.2	11/01/2018 - 1096
03/29/2007 - 1091.3	08/26/2011 - 1095.1	03/30/2015 - 1092.6	04/02/2019 - 1097.3
10/30/2007 - 1091.7	10/28/2011 - 1095.1	08/31/2015 - 1093.5	08/27/2019 - 1096.7
03/28/2008 - 1092.4	03/29/2012 - 1094.9	10/29/2015 - 1093.8	10/28/2019 - 1095.2
08/26/2008 - 1094.8	08/27/2012 - 1092.9	03/28/2016 - 1094.8	03/31/2020 - 1097
10/30/2008 - 1095.1	10/30/2012 - 1092.8	08/25/2016 - 1096.1	08/24/2020 - 1095.4
03/30/2009 - 1094.7		10/31/2016 - 1096.8	

### Water Level Readings



### Record Results



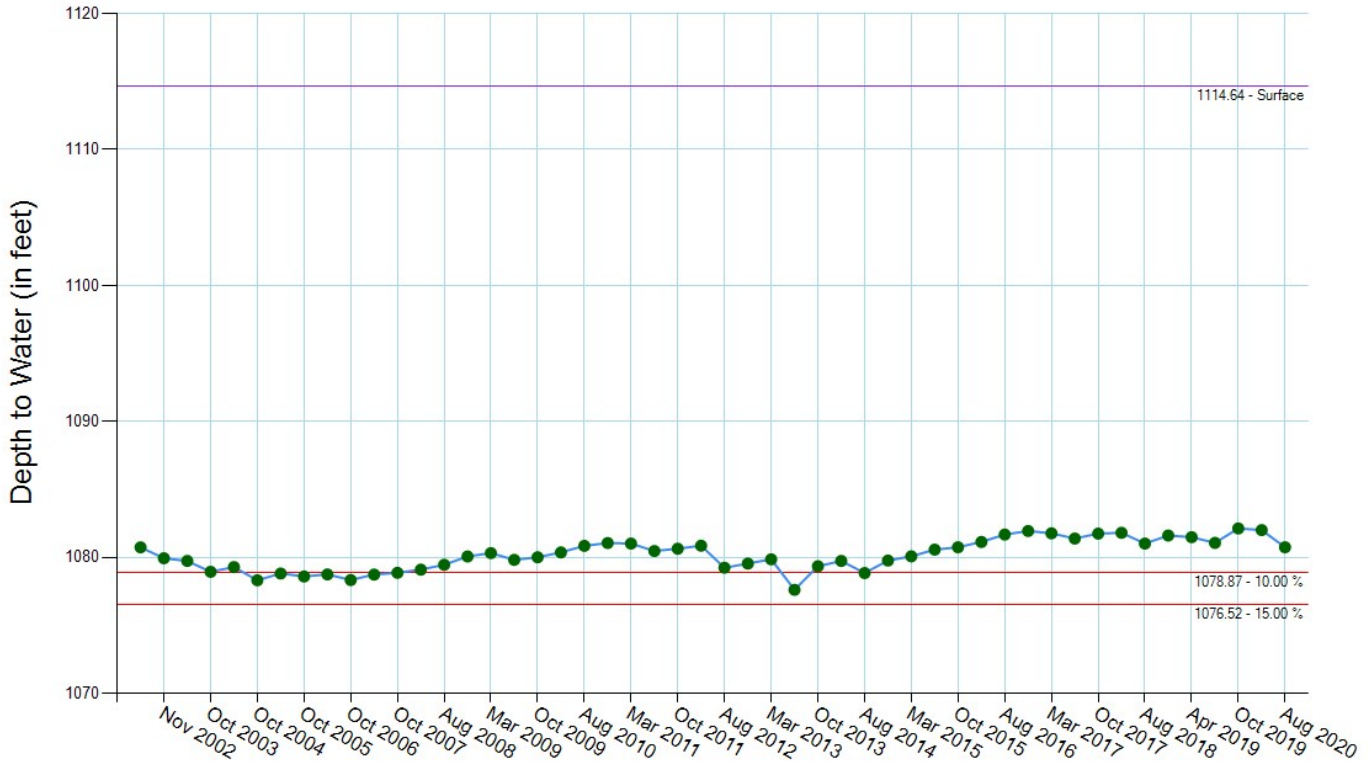
### Historical Readings (date - reading)

03/31/2002 - 1081.5	08/26/2008 - 1080.2	08/27/2012 - 1080.2	10/31/2016 - 1083
11/01/2002 - 1080.6	10/30/2008 - 1080.6	10/30/2012 - 1080.3	03/31/2017 - 1082.9
03/31/2003 - 1080.4	03/30/2009 - 1081	03/29/2013 - 1080.7	08/24/2017 - 1082.6
10/30/2003 - 1080	08/27/2009 - 1080.6	08/26/2013 - 1079.9	10/30/2017 - 1082.8
03/29/2004 - 1079.9	10/30/2009 - 1080.7	10/29/2013 - 1080.3	04/04/2018 - 1082.7
10/29/2004 - 1079.2	03/29/2010 - 1081.1	03/31/2014 - 1080.6	08/21/2018 - 1082.2
03/29/2005 - 1079.3	08/26/2010 - 1081.6	08/26/2014 - 1080	11/01/2018 - 1082.6
10/31/2005 - 1079.2	10/29/2010 - 1081.7	11/30/2014 - 1080.7	04/02/2019 - 1082.7
03/29/2006 - 1079.3	03/29/2011 - 1081.7	03/30/2015 - 1081	08/27/2019 - 1082.6
10/30/2006 - 1078.9	08/26/2011 - 1081.4	08/31/2015 - 1081.6	10/28/2019 - 1083.1
03/29/2007 - 1079.2	10/28/2011 - 1081.4	10/29/2015 - 1081.7	03/31/2020 - 1083.1
10/30/2007 - 1079.4	03/29/2012 - 1081.5	03/28/2016 - 1082.1	08/24/2020 - 1082.1
03/28/2008 - 1079.6		08/25/2016 - 1082.7	

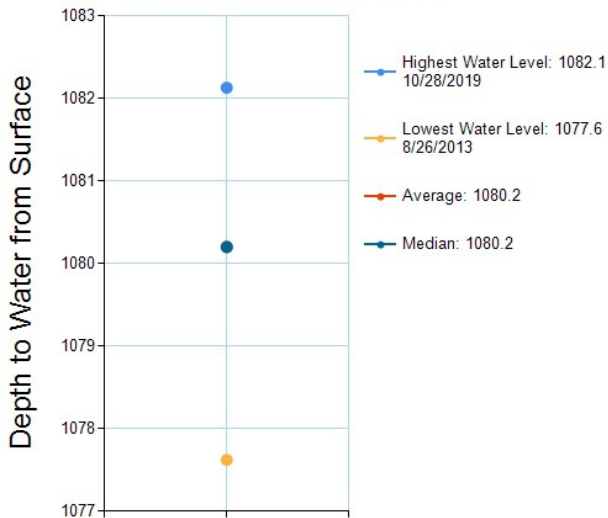
RegCD: NR-TV-98-05-shallow  
 Region: Todd V.  
 Legal: 14-9e-34

Well #: South Keiser 98-05 shallow  
 County: Saunders  
 Owner Name: Stan Keiser

## Water Level Readings



## Record Results



## Historical Readings (date - reading)

03/31/2002 - 1080.7	08/26/2008 - 1079.5	08/27/2012 - 1079.2	10/31/2016 - 1081.9
11/01/2002 - 1079.9	10/30/2008 - 1080.1	10/30/2012 - 1079.6	03/31/2017 - 1081.8
03/31/2003 - 1079.7	03/30/2009 - 1080.3	03/29/2013 - 1079.9	08/24/2017 - 1081.4
10/30/2003 - 1078.9	08/27/2009 - 1079.8	08/26/2013 - 1077.6	10/30/2017 - 1081.8
03/29/2004 - 1079.3	10/30/2009 - 1080	10/29/2013 - 1079.4	04/04/2018 - 1081.8
10/29/2004 - 1078.3	03/29/2010 - 1080.4	03/31/2014 - 1079.7	08/21/2018 - 1081
03/29/2005 - 1078.8	08/26/2010 - 1080.9	08/26/2014 - 1078.9	11/01/2018 - 1081.6
10/31/2005 - 1078.6	10/29/2010 - 1081.1	10/30/2014 - 1079.8	04/02/2019 - 1081.5
03/29/2006 - 1078.8	03/29/2011 - 1081	03/30/2015 - 1080.1	08/27/2019 - 1081.1
10/30/2006 - 1078.3	08/26/2011 - 1080.5	08/31/2015 - 1080.6	10/28/2019 - 1082.1
03/29/2007 - 1078.7	10/28/2011 - 1080.6	10/29/2015 - 1080.8	03/31/2020 - 1082
10/30/2007 - 1078.9	03/29/2012 - 1080.9	03/28/2016 - 1081.1	08/24/2020 - 1080.8
03/28/2008 - 1079.1		08/25/2016 - 1081.7	

RegCD: G-181004

Well #: UNL-CSD

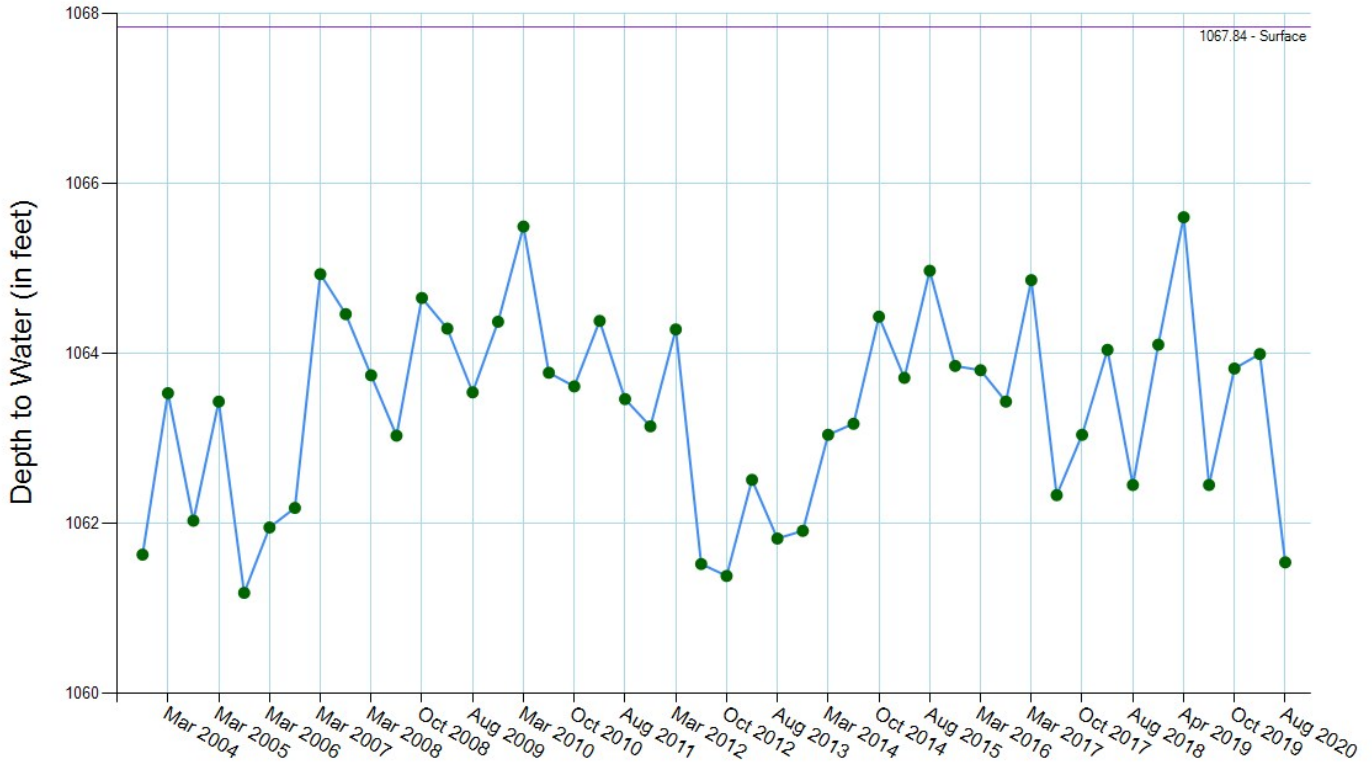
Region: Platte V.

County: Saunders

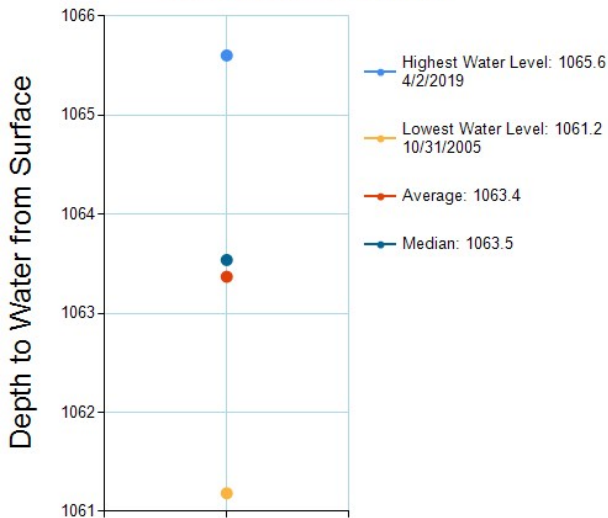
Legal: 13-9E-24

Owner Name: University of Nebraska Lincoln CSD

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

10/30/2003 - 1061.6	03/30/2009 - 1064.3	10/30/2012 - 1061.4	03/31/2017 - 1064.9
03/29/2004 - 1063.5	08/27/2009 - 1063.5	03/29/2013 - 1062.5	08/24/2017 - 1062.3
10/29/2004 - 1062	10/30/2009 - 1064.4	08/26/2013 - 1061.8	10/30/2017 - 1063
03/29/2005 - 1063.4	03/29/2010 - 1065.5	10/29/2013 - 1061.9	04/04/2018 - 1064
10/31/2005 - 1061.2	08/26/2010 - 1063.8	03/31/2014 - 1063	08/21/2018 - 1062.5
03/29/2006 - 1062	10/29/2010 - 1063.6	08/26/2014 - 1063.2	11/01/2018 - 1064.1
10/30/2006 - 1062.2	03/29/2011 - 1064.4	10/30/2014 - 1064.4	04/02/2019 - 1065.6
03/29/2007 - 1064.9	08/26/2011 - 1063.5	03/30/2015 - 1063.7	08/27/2019 - 1062.5
10/30/2007 - 1064.5	10/28/2011 - 1063.1	08/31/2015 - 1065	10/28/2019 - 1063.8
03/28/2008 - 1063.7	03/29/2012 - 1064.3	10/29/2015 - 1063.9	03/31/2020 - 1064
08/26/2008 - 1063	08/27/2012 - 1061.5	03/28/2016 - 1063.8	08/24/2020 - 1061.5
10/30/2008 - 1064.7		10/31/2016 - 1063.4	

RegCD: G-145123

Well #: MUD 06-28

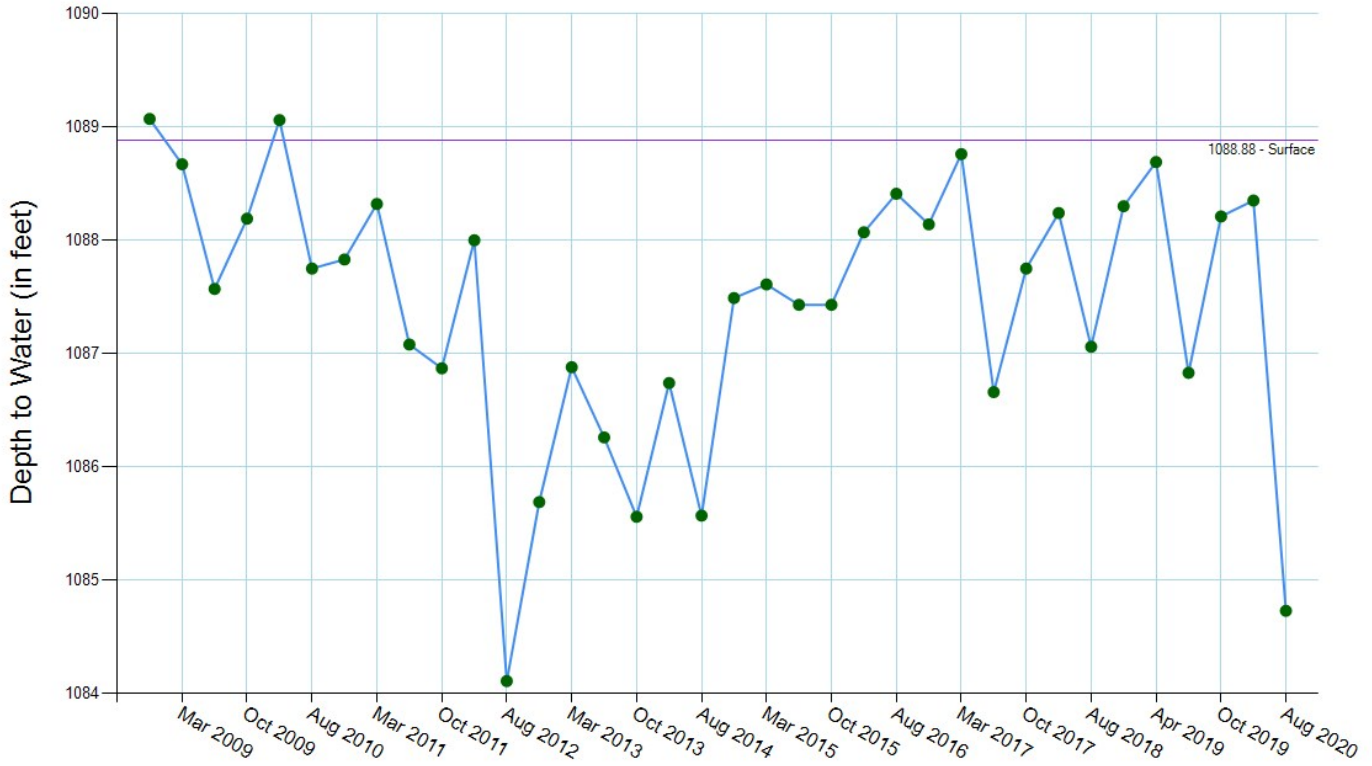
Region: Platte V.

County: Saunders

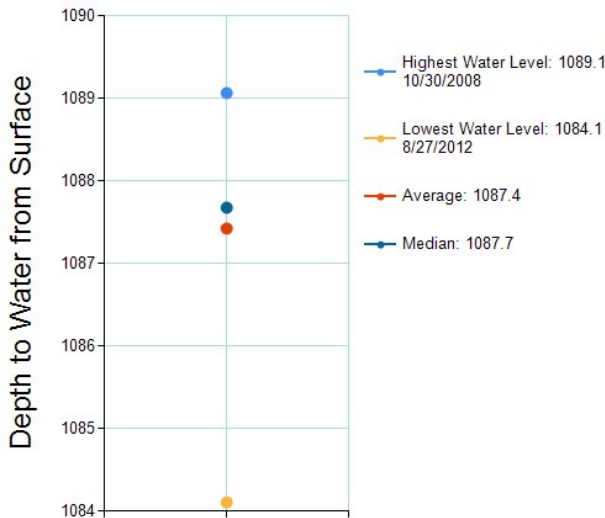
Legal: 14-9E-23

Owner Name: Heldt Farms Inc

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

10/30/2008 - 1089.1	10/28/2011 - 1086.9	10/30/2014 - 1087.5	10/30/2017 - 1087.7
03/30/2009 - 1088.7	03/01/2012 - 1088	03/30/2015 - 1087.6	04/04/2018 - 1088.2
08/27/2009 - 1087.6	08/27/2012 - 1084.1	08/31/2015 - 1087.4	08/21/2018 - 1087.1
10/30/2009 - 1088.2	10/30/2012 - 1085.7	10/29/2015 - 1087.4	11/01/2018 - 1088.3
03/29/2010 - 1089.1	03/29/2013 - 1086.9	03/28/2016 - 1088.1	04/02/2019 - 1088.7
08/26/2010 - 1087.7	08/26/2013 - 1086.3	08/25/2016 - 1088.4	08/27/2019 - 1086.8
10/29/2010 - 1087.8	10/29/2013 - 1085.6	10/31/2016 - 1088.1	10/28/2019 - 1088.2
03/29/2011 - 1088.3	03/31/2014 - 1086.7	03/31/2017 - 1088.8	03/31/2020 - 1088.3
08/26/2011 - 1087.1	08/26/2014 - 1085.6	08/24/2017 - 1086.7	08/24/2020 - 1084.7

RegCD: G-051879

Well #: D Starns

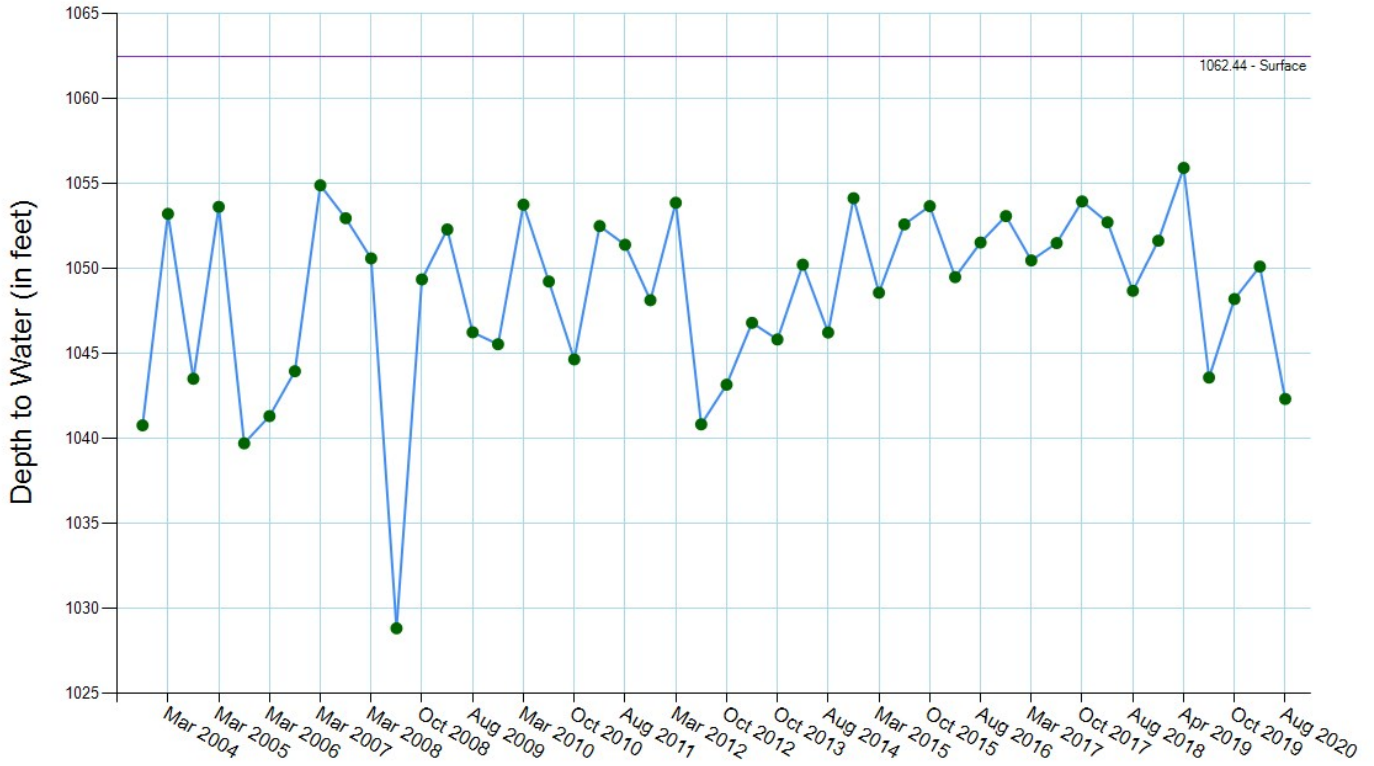
Region: Todd V

County: Saunders

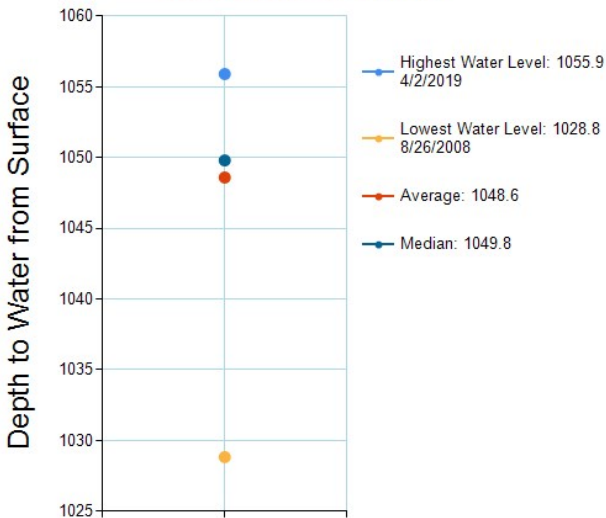
Legal: 13-10E-31

Owner Name: Starns Brothers Incorporated

### Water Level Readings



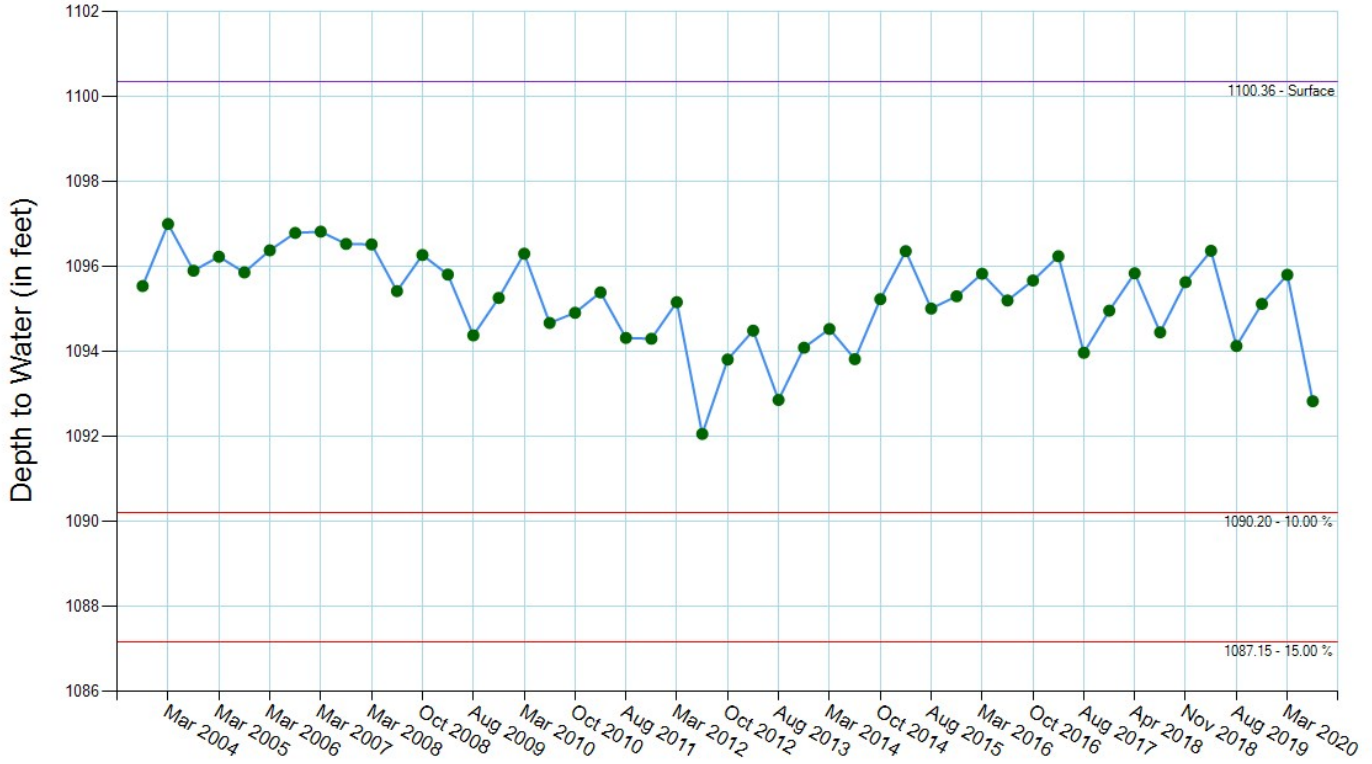
### Record Results



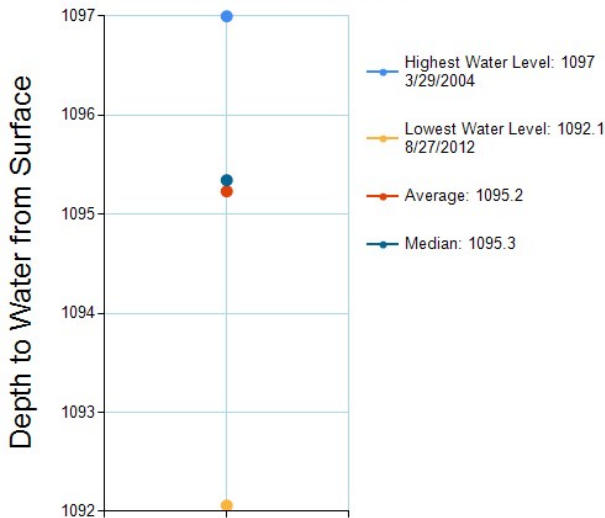
### Historical Readings (date - reading)

10/30/2003 - 1040.8	03/30/2009 - 1052.3	10/30/2012 - 1043.2	03/31/2017 - 1050.5
03/29/2004 - 1053.2	08/27/2009 - 1046.2	03/29/2013 - 1046.8	08/24/2017 - 1051.5
10/29/2004 - 1043.5	10/30/2009 - 1045.5	10/29/2013 - 1045.8	10/30/2017 - 1053.9
03/29/2005 - 1053.6	03/29/2010 - 1053.8	03/31/2014 - 1050.2	04/04/2018 - 1052.7
10/31/2005 - 1039.7	08/26/2010 - 1049.2	08/26/2014 - 1046.2	08/21/2018 - 1048.7
03/29/2006 - 1041.3	10/29/2010 - 1044.7	10/30/2014 - 1054.1	11/01/2018 - 1051.6
10/30/2006 - 1044	03/29/2011 - 1052.5	03/30/2015 - 1048.6	04/02/2019 - 1055.9
03/29/2007 - 1054.9	08/26/2011 - 1051.4	08/31/2015 - 1052.6	08/27/2019 - 1043.6
10/30/2007 - 1053	10/28/2011 - 1048.1	10/29/2015 - 1053.7	10/28/2019 - 1048.2
03/28/2008 - 1050.6	03/29/2012 - 1053.9	03/28/2016 - 1049.5	03/31/2020 - 1050.1
08/26/2008 - 1028.8	08/27/2012 - 1040.8	08/25/2016 - 1051.5	08/24/2020 - 1042.3
10/30/2008 - 1049.4		10/31/2016 - 1053.1	

### Water Level Readings



### Record Results



### Historical Readings (date - reading)

10/30/2003 - 1095.5	03/30/2009 - 1095.8	03/29/2013 - 1094.5	03/31/2017 - 1096.2
03/29/2004 - 1097	08/27/2009 - 1094.4	08/26/2013 - 1092.9	08/24/2017 - 1094
10/29/2004 - 1095.9	10/30/2009 - 1095.3	10/29/2013 - 1094.1	10/30/2017 - 1095
03/29/2005 - 1096.2	03/29/2010 - 1096.3	03/31/2014 - 1094.5	04/04/2018 - 1095.8
10/31/2005 - 1095.9	08/26/2010 - 1094.7	08/26/2014 - 1093.8	08/21/2018 - 1094.4
03/29/2006 - 1096.4	10/29/2010 - 1094.9	10/30/2014 - 1095.2	11/01/2018 - 1095.6
10/30/2006 - 1096.8	03/29/2011 - 1095.4	03/30/2015 - 1096.4	04/02/2019 - 1096.4
03/29/2007 - 1096.8	08/26/2011 - 1094.3	08/31/2015 - 1095	08/27/2019 - 1094.1
10/30/2007 - 1096.5	10/28/2011 - 1094.3	10/29/2015 - 1095.3	10/28/2019 - 1095.1
03/28/2008 - 1096.5	03/29/2012 - 1095.2	03/28/2016 - 1095.8	03/31/2020 - 1095.9
08/26/2008 - 1095.4	08/27/2012 - 1092.1	08/25/2016 - 1095.2	03/31/2020 - 1095.7
10/30/2008 - 1096.3	10/30/2012 - 1093.8	10/31/2016 - 1095.7	08/27/2020 - 1092.8