DEPARTMENT of AGRICULTURE and NATURAL RESOURCES
JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

RECOMMENDATION OF ACTING CHIEF ENGINEER FOR WATER PERMIT APPLICATION NO. 8122-3, Allen Gatzke / Jeffery Gatzke

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Acting Chief Engineer, Water Rights Program, Department of Agriculture and Natural Resources concerning Water Permit Application No. 8122-3, Allen Gatzke / Jeffery Gatzke, 25868 478th Ave, Brandon SD 57005.

The Acting Chief Engineer is recommending APPROVAL of Application No. 8122-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing domestic water uses and water rights, 3) the proposed use is a beneficial use and 4) it is in the public interest as it pertains to matters of public interest within the regulatory authority of the Water Management Board with the following qualifications:

1. The well approved under Water Permit No. 8122-3 is located near domestic wells and other wells which may obtain water from the same aquifer. The well owner, under this Permit must control withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.

2. The proposed well authorized by Permit No. 8122-3 must be constructed by a licensed well driller and construction of the well and installation of the pump must comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.

3. Pursuant to SDCL 46-5-6 which allows a greater diversion rate if the method of irrigation, time constraints, or type of soils so requires, Permit No. 8122-3 authorizes a maximum diversion rate of 1.78 cfs for the irrigation of 70 acres with an annual volume not to exceed 2 acre-feet of water per acre per year.

4. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Adam Mathiowetz, PE
Acting Chief Engineer
March 17, 2026

Report to the Chief Engineer on
Water Permit App. Nos. 8121-3 and 8122-3
Allen and Jeffery Gatzke
2026 February 9

Water Permit Application No. 8121-3 proposes to appropriate 0.89 cubic feet of water per second (cfs) from one well to be completed into the Tulare: Western Spink-Hitchcock aquifer in the approximate center of NW 1/4 SW 1/4 Section 13 for irrigation of 40 acres in the SW ¼ of Section 13; all in T114N-R63W. This application was held following the Water Management Board declaring the aquifer fully appropriated in October 2013 and is priority 20 out of the 27 permits held following the May 7, 2015, Board meeting pursuant to statutory procedure established in 2014. This application is requesting a greater diversion rate than the 1 cfs per 70 acres statutory limit. This application is in Spink County, approximately 4 miles north-northeast of Hitchcock, South Dakota.

Water Permit Application No. 8122-3 proposes to appropriate 1.78 cfs from one well to be completed into the Tulare: Western Spink-Hitchcock aquifer in the approximate center of SE 1/4 Section 13 for irrigation of 70 acres E 1/2 SE 1/4 Section 13; all in T114N-R63W. This application was held following the Water Management Board declaring the aquifer fully appropriated in October 2013 and is priority 23 out of the 27 permits held following the May 7, 2015, Board meeting pursuant to statutory procedure established in 2014. This application is requesting a greater diversion rate than the 1 cfs per 70 acres statutory limit. This application is in Spink County, approximately 4.5 miles northeast of Hitchcock, South Dakota.

Aquifer: Tulare: Western Spink-Hitchcock

Hydrogeologic Characteristics

The Tulare aquifer is a Quaternary-aged system of sand and gravel layers that were deposited as outwash by meltwater from receding glaciers. The Western Spink-Hitchcock management unit of the Tulare aquifer is a buried aquifer generally lying immediately above the bedrock (a.k.a. basal) [1] [2]. The bedrock is composed of an erosional surface of exposed Cretaceous-aged Pierre Shale and Niobrara Formation, with the lowest erosional surface possibly incising into the Carlisle Shale, which contains the Codell Sandstone member [3]. The Niobrara Formation and Codell Sandstone can also be aquifers in portions of South Dakota [4] [5]. The Tulare: Western Spink-Hitchcock aquifer underlies approximately 260,000 acres of Hand, Spink, and Beadle Counties [6] [7]. The Tulare aquifer has an average thickness of 37 feet [8]. Assuming a porosity of 0.15 [9], the estimated recoverable water in storage in the Tulare: Western Spink-Hitchcock aquifer is approximately 1.4 million acre-feet. The Tulare: Western Spink-Hitchcock aquifer is hydrologically connected to several Quaternary and Cretaceous-aged aquifers in physical contact with it. Buhler [10] estimated that approximately 77,000 acres of the Tulare: Western Spink-Hitchcock aquifer were under unconfined conditions in October 2012, and showed that at the time, a majority of the aquifer was under confined conditions. The area of the aquifer under confined conditions fluctuates with the amount of water in the aquifer. Since water is essentially incompressible, when the aquifer has more water in storage, more area becomes confined and vice-versa for when there is less water in the aquifer.

The applicant did not submit well completion reports with these applications but sufficient information is available to perform a technical review. A domestic well completed for Allen Gatzke was completed on April 27, 2000 in the SW ¼ SE ¼ Section 13-T114N-R63W into the Tulare: Western Spink-Hitchcock aquifer approximately 0.1 mile southwest of App. No. 8122-3 and 0.6 mile east-southeast of App. No. 8121-3, based on the location provided by the driller. The driller reported encountering yellow clay from land surface to 15 feet below grade, yellow sand from 15 to 40 feet, grey sand from 40 to 62 feet, and blue clay from 62 to 65 feet. The driller reported encountering a static water level of 10 feet below grade at the time the well was completed. Formations such as clay being described as "yellow" likely indicates weathering occurred, and so the formation has more porosity than an unweathered clay would. A domestic well completed for "Allan Jeff Gatzke" on May 14, 2013, in the SE ¼ SW ¼ of the same section as above shows similar formations. There, the driller reported encountering topsoil from ground surface to 1 foot below grade, sandy clay from 1 to 16 feet, fine sand from 16 to 19 feet, and "good" coarse sand from 19 to 61 feet. The driller reported a static water level of 12 feet below grade at the time of well completion. Given the weathered and sandy nature of the clay overlying the sand in this section, it is likely the proposed wells will be under unconfined conditions.

Applicable South Dakota Codified Law (SDCL)

Pursuant to SDCL 46-2A-9, a permit to appropriate water may be issued if there is reasonable probability that there is unappropriated water available for the applicant's proposed use, that the proposed diversion can be developed without unlawful impairment of existing domestic water uses and water rights, and that the proposed use is a beneficial use and in the public interest as it pertains to matters of public interest within the regulatory authority of the Water Management Board. This report will only assess the availability of water and possibility of developing this application without unlawful impairment of existing domestic water uses and water rights.

Pursuant to SDCL 46-6-3.1, no application to appropriate groundwater may be approved if, according to the best information reasonably available, it is probable that the quantity of water withdrawn annually from a groundwater source will exceed the quantity of the average estimated annual recharge of the water to the groundwater source. An exception allows water distribution systems to withdraw from groundwater sources older or stratigraphically lower than the Greenhorn Formation regardless of the results of a hydrologic budget. The applicant is not a water distribution system as defined in SDCL 46-1-6(17) and the Tulare: Western Spink-Hitchcock aquifer is younger and stratigraphically higher than the Greenhorn Formation. Therefore, the Water Management Board must find that recharge to the aquifer exceeds withdrawals to approve this application.

Following the October 2013 hearing, the Board determined that the Tulare: Western Spink-Hitchcock aquifer was fully appropriated. In 2014, the South Dakota Legislature established the procedure in SDCL 46-2A-7 through 7.4 for holding applications and establishing a priority list when the Water Management Board declares an aquifer is fully appropriated. This application was submitted prior to a February 25, 2015, filing deadline pursuant to that procedure. The applicant retained eligibility through the first and second five-year reviews. During the second

five-year review in December 2025, the Board determined that unappropriated water was available and the held permit applications were to be processed as established by rule and law.

Pursuant to SDCL 46-5-6, the amount of water diverted may not exceed 1 cfs per 70 acres irrigated. This law also provides that the "Water Management Board may allow a greater diversion, in volume or rate or both, if the method of irrigation, any time constraints on diversion of water, or the type of soil so requires." The applicant is requesting to divert more than 1 cfs per 70 acres for each of these applications. For both applications in this report, the method of irrigation is a pivot that does not rotate in a full circle and requires the requested flow rate and associated pressure for the system to function. A center pivot making a partial rotation uses water at the same rate as a center pivot making a full rotation while irrigating fewer acres. In the past, the Water Management Board has approved applications that request a higher diversion rate than the statutory limit for similar reasons.

Availability of Water

Hydrologic Budget

The current hydrologic budget of the Tulare: Western Spink-Hitchcock aquifer was presented before the Water Management Board in December of 2025 [11] but will be summarized below. The estimated average annual recharge to the aquifer is approximately 0.83 inches per acre [12], which equates to 18,000 ac-ft/yr over the currently estimated extent of the aquifer. Withdrawals from the aquifer are mainly by irrigation from appropriative users. By taking the sum of the average irrigation reported for each permit, Drennon [11] estimated the average annual withdrawal from the aquifer was between 12,000 and 13,000 ac-ft/yr depending on the range of data used. Irrigators have been applying fewer inches per acre as time goes on but irrigating a higher proportion of their permitted acreage in any given year. The estimated average annual withdrawal from irrigation was approximately 12,000 ac-ft/yr for the period of record of 2015 through 2024, which is the last ten years of reports. Based on this hydrologic budget, there is approximately 6,000 ac-ft/yr of unappropriated water available. At the meeting, members of the Water Management Board expressed discomfort at approving the entire 6,000 acre-feet of unappropriated water but did not issue an order specifying an exact amount to which they would limit withdrawals.

For the last ten years of record, the average irrigation per reported acre was 6.63 inches per year and permit holders irrigated 79% of their permitted acres [11]. For the period of record of 1979 through 2024, the average irrigation per reported acre was 8.89 inches per year and permit holders irrigated on average 65% of their permitted acres [11]. The applications in this report request a combined total appropriation of 2.67 cfs for 110 acres of irrigation. Using the above values, their estimated average annual withdrawal is likely to be between 48 and 53 ac-ft/yr. The total withdrawal of the 27 held applications is likely to range between approximately 2,300 and 2,500 ac-ft/yr (Table 1). Therefore, based on the hydrologic budget, there is reasonable probability that unappropriated water is available for these applications.

Table 1: Estimated withdrawals for the 27 held applications. Several applicants hold multiple applications [11].

Applicant with Held Permit(s)	Total Requested CFS	Total Requested Acres	Est. Withdrawal (ac-ft/yr)	
			6.63 in/yr @ 79% acreage utilization	8.89 in/yr @ 65% acreage utilization
Allen and Jeffrey Gatzke	2.67	110	48	53
Bixler Farms or Bixler Land	16.02	1,450	633	698
Hamilton Family LLC	2.00	145	63	70
Jeff Hamilton	4.00	290	127	140
Ken and Jodi Hofer	4.33	310	135	149
Loren or Cynthia Marzahn	2.22	160	70	77
Martin Anderson	1.86	132	58	64
Riverside Hutterian Brethren	7.70	384	168	185
Scott Hamilton	4.00	435	190	209
Van Buskirk Farms, LLP	25.65	1,798	785	866
Total	**70.45**	**5,214**	**2,276**	**2,511**
A list of the 27 held applications can be seen in further detail in Table 3 (page 11)				

Observation Wells

The nearest observation wells maintained by the Water Rights Program and completed into the Tulare: Western Spink-Hitchcock aquifer to these applications are Observation Wells SP-80D and SP-77I [4], located 1.3 miles west-northwest of App. No. 8121-3 and 1.3 miles south-southeast of App. No. 8122-3, respectively (see Figure 1). Figure 2 shows the hydrograph of those two observation wells and elevation of the top of the formation into which they are completed [4]. The hydrographs are representative of the behavior of the aquifer near these applications. In general, water levels rise during periods of higher-than-average precipitation and decline during periods of lower-than average precipitation. There is a general trend of springtime water levels to be increasing with time, consistent with the increased precipitation over time in the area. There are also seasonal declines during the irrigation season. The tendency of the water levels in the aquifer to be primarily influenced by climate and precipitation rather than well withdrawals indicates natural discharge is occurring, which the Water Management Board considers available for capture. Therefore, based on the record of observation wells, there is reasonable probability that unappropriated water is available for these applications.

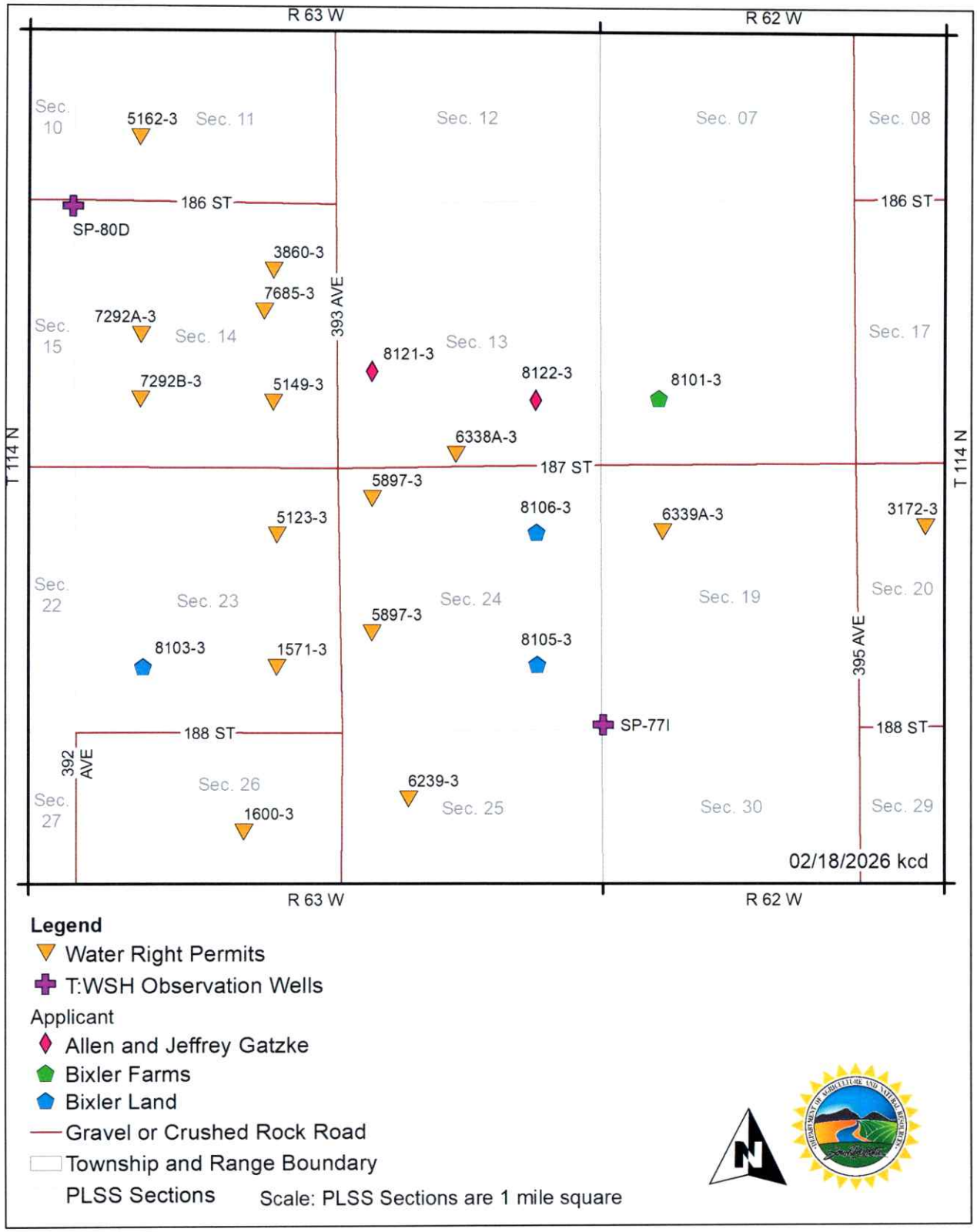

Figure 1: Map of proposed wells for these applications, nearby held applications, existing water right permits, and nearby observation wells completed into the same aquifer [5] [4]

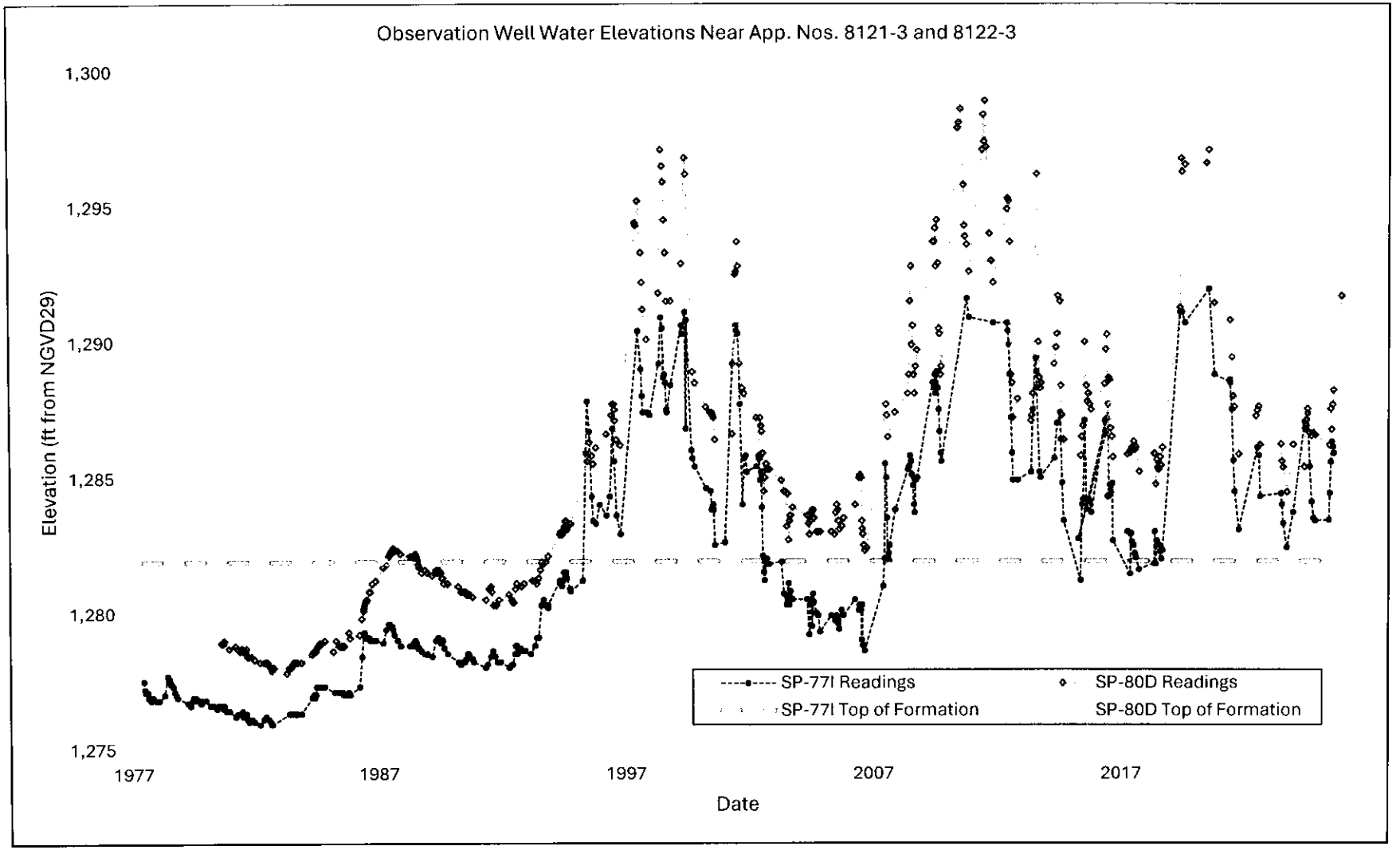

Figure 2: Observation well readings near these applications [4]

Possibility of Unlawful Impairment of Existing Water Rights

The nearest water right permits completed into the Tulare: Western Spink-Hitchcock aquifer to these applications are Water Right No. 6338A-3, held by Allen Gatzke, approximately 0.4 miles southwest of App. No. 8122-3 and Water Right No. 5149-3, also held by Allen Gatzke, approximately 0.4 miles west-southwest of App. No. 8121-3 [5]. Water Permit Application No. 1801-3, held by Bixler Farms, is approximately 0.5 miles east of Application No. 8122-3 and has senior priority to the applications in this report. Water Permit Application No. 8106-3 is approximately 0.5 miles south of Application No. 8122-3 and also has senior priority to the applications in this report. The nearest domestic well on file with the Water Rights Program, based on the location provided by the well driller, which is also not owned by the applicant, is located approximately 0.5 miles northwest of App. No. 8121-3 [2]. Table 2 shows the list of water right permits and held applications that are displayed in Figure 1 [5].

Table 2: Water right permits and held applications shown in Figure 1 [5].

File No.	Status	Name/Business	Use Type	CFS	Acres	Priority
1571-3	License	Allen/Bobbie Gatzke	Irrigation	2.11	160	04/23/1968
1600-3	License	Allen/Bobbie Gatzke	Irrigation	1.78	132	01/01/1953
3172-3	License	Richard Rathjen	Irrigation	1.78	136	10/15/1976
3860-3	License	William E & Deborah A St Clair	Irrigation	1.94	136	03/10/1977
5123-3	License	Allen Gatzke	Irrigation	1.78	136	01/19/1987
5149-3	License	Allen Gatzke	Irrigation	1.78	132	09/16/1987
5162-3	License	Allen Gatzke	Irrigation	1.55	132	10/13/1987
5897-3	License	Allen Gatzke	Irrigation	3.56	268	01/10/1996
6239-3	License	Bixler Farms	Irrigation	3.56	260	11/06/2000
6338A-3	License	Allen Gatzke	Irrigation	0.45	68	07/12/2002
6339A-3	License	Allen Gatzke	Irrigation	1.67	132	07/12/2002
7292A-3	License	Allen Gatzke	Irrigation	1.67	133	07/12/2002
7292B-3	License	Allen Gatzke	Irrigation	1.67	133	07/12/2002
7685-3	License	Michael Watson	Irrigation	1.67	75	02/06/2013
8101-3	Held	Bixler Farms	Irrigation	1.78	150	02/25/2015 No. 2 of 27
8103-3	Held	Bixler Land	Irrigation	1.78	160	02/25/2015 No. 9 of 27
8105-3	Held	Bixler Land	Irrigation	1.78	160	02/25/2015 No. 11 of 27
8106-3	Held	Bixler Land	Irrigation	1.78	160	02/25/2015 No. 8 of 27
8121-3	Held	Allen and Jeffrey Gatzke	Irrigation	0.89	40	02/25/2015 No. 20 of 27
8122-3	Held	Allen and Jeffrey Gatzke	Irrigation	1.78	70	02/25/2015 No. 23 of 27

The Water Rights Program has historically interpreted an unlawful impairment of existing water rights to occur if a junior water right/permit causes a nearby adequate well with a senior water right/permit to become unable to withdraw at the rate it is entitled to or, if a domestic well is impacted, a water right/permit causes an adequate domestic well to be unable to withdraw at the rate needed to supply reasonable domestic use of water. Administrative Rule of South Dakota (ARSD) 74:02:04:20(6) defines an adequate well as:

> *...a well constructed or rehabilitated to allow various withdrawal methods to be used, to allow the inlet to the pump to be placed not less than 20 feet into the saturated*

aquifer or formation material when the well is constructed, or to allow the pump to be placed as near to the bottom of the aquifer as is practical if the aquifer thickness is less than 20 feet

There are no complaints on file with the Water Rights Program involving possible well interference in Spink County [13]. The applicants owning domestic and irrigation wells nearer to these applications than any other domestic or irrigation wells in the same aquifer means the applicants are likely to impact their own wells before any other person is impacted. Therefore, based on the lack of complaints and proximity of wells owned by the applicant, there is reasonable probability this application can be developed without unlawful impairment of existing domestic wells or senior water rights.

Conclusions

1. Water Permit Application No. 8121-3 proposes to appropriate 0.89 cfs from one well to be completed into the Tulare: Western Spink-Hitchcock aquifer in the approximate center of NW 1/4 SW 1/4 Section 13 for irrigation of 40 acres in the SW ¼ of Section 13; all in T114N-R63W. This application was held following the Water Management Board declaring the aquifer fully appropriated in 2014 and is priority 20 out of the 27 permits held following the May 7, 2015, Board meeting.
2. Water Permit Application No. 8121-3 proposes to appropriate 1.78 cfs from one well to be completed into the Tulare: Western Spink-Hitchcock aquifer in the approximate center of SE 1/4 Section 13 for irrigation of 70 acres E 1/2 SE 1/4 Section 13; all in T114N-R63W. This application was held following the Water Management Board declaring the aquifer fully appropriated in 2014 and is priority 23 out of the 27 permits held following the May 7, 2015, Board meeting.
3. These applications are requesting an amount of water greater than the statutory limit of 1 cfs per 70 acres. The reasons given for the amount requested have been accepted by the Water Management Board in the past.
4. The Water Management Board determined in December 2025 that based on the hydrologic budget and observation well analysis, there is reasonable probability unappropriated water is available for these applications.
5. There is reasonable probability these applications can be developed without unlawful impairment of existing water rights and domestic uses.

Kimberly C. Drennon, E.I.
Engineer III – DANR Water Rights Program

References

[1] SD DANR Geological Survey Program, "Lithologic Logs," Vermillion, South Dakota, 2025.

[2] Water Rights Program, "Well Completion Reports," S.D. Dept. of Ag. and Nat. Resources, Pierre, South Dakota, 2026.

[3] D. W. Tomhave and L. D. Schulz, "Bedrock geologoic map showing configuration of the bedrock surface in South Dakota east of the Missouri River," DANR Geological Survey Program, Vermillion, SD, 2004.

[4] Water Rights Program, "Observation Wells," S.D. Dept. of Ag. and Nat. Resources, Pierre, South Dakota, 2026.

[5] Water Rights Program, "Water Right Permit Files," S.D. Dept. of Ag. and Nat. Resources, Pierre, South Dakota, 2026.

[6] J. Farmer, "First Report on the Five Year Review of Water Availability Western Spink Hitchcock Management Unit of the Tulare Aquifer," SD DANR Water Rights Program, Joe Foss Bldg., Pierre, South Dakota, 2020.

[7] T. Jensen and A. Mathiowetz, "Report to the Chief Engineer on Water Permit Application Nos. 8949-3 & 8950-3 Tom Tuhsbaumer & 8951-3 Tyson Nuhsbaumer," SD DANR Water Rights Program, Joe Foss Bldg., Pierre, SD., 2025.

[8] R. D. Benson, "Major aquifers in Spink County, South Dakota," SD DANR Geological Survey Program, Vermillion, South Dakota, 1997.

[9] L. S. Hedges, S. L. Burch, D. L. Iles, R. A. Barari and R. A. Schoon, "Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa Tasks 1-4," US Army Corps of Engineers, Omaha, Nebraska, 1982.

[10] K. Buhler, "Report to the Chief Engineer on Water Permit Application Nos. 7858-3, 7859-3, 7860-3, 7861-3, 7863-3 through 7872-3, 7885-3, 7894-3," SD DANR Water Rights Program, Joe Foss Bldg. Pierre, South Dakota, 2013.

[11] K. C. Drennon, "Second Report on the Five-Year Review of Water Availablility in the Western Spink-Hitchcock Management Unit of the Tulare Aquifer," SD DANR Water Rights Program, 3 December 2025. [Online]. Available: https://danr.sd.gov/wrimage/pub/2025_TWSH_5YR.pdf. [Accessed 19 February 2026].

[12] L. K. Kuiper, "Appraisal of the Water Resources of the Eastern Part of the Tulare Aquifer, Beadle, Hand, and Spink Counties, South Dakota," US Geological Survey, Huron, South Dakota, 1984.

[13] Water Rights Program, "Complaints Database," S.D. Dept. of Ag. and Nat. Resources, Joe Foss Building, Pierre, SD, 2025.

Appendix: Table of Held Permits

Table 3: All 27 held permits from the Tulare: Western Spink-Hitchcock aquifer

App No.	Name	Priority	New CFS	New Acres	Existing associated permit	Existing CFS	Existing Acres	Total CFS	Total Acres	No. New Wells	No. Existing Wells	Description of Diversion Points	Lands Irrigated
8128-3	Riverside Hutterian Brethren	1	2.22	0	2078-3	7.25	792	9.47	792	0	5	Approx. ctrs of NW 1/4, NE 1/4, SW 1/4, SE 1/4 Sec. 28, W 1/2 W 1/2 Sec. 21; all in T112N-R61W	4 @ 132 acres for 528 acres in Sec. 28; 132 acres in NW 1/4 Sec. 21
8101-3	Bixler Farms	2	1.78	150	N/A	N/A	N/A	1.78	150	1	0	Approx. ctr of SW 1/4 Sec. 18 T114N-R62W	150 acres SW 1/4 Sec. 18
8137-3	Ken and Jodi Hofer	3	2.22	160	N/A	N/A	N/A	2.22	160	1	0	Approx. ctr of NE 1/4 Sec. 21 T113N-R62W	160 acres NE 1/4 Sec. 21
8085-3	Riverside Hutterian Brethren	4	1.71	120	N/A	N/A	N/A	1.71	120	1	0	Approx. ctr of NW 1/4 Sec. 20 T112N-R61W	160 acres in NW 1/4 Sec. 20
8120-3	Martin Anderson	5	1.86	132	N/A	N/A	N/A	1.86	132	1	or 1	Approx. ctr of Sec. 18 T113N-R62W	132 acres S 1/2 Sec. 18
8131-3	Scott Hamilton	6	2.00	290	N/A	N/A	N/A	2.00	290	1	0	Approx. ctr of SE 1/4 Sec. 10 T113N-R65W	290 acres E 1/2 Sec. 10
8138-3	Ken and Jodi Hofer	7	2.11	150	N/A	N/A	N/A	2.11	150	1	0	Approx. ctr of SE 1/4 Sec. 31 T113N-R62W	150 acres SE 1/4 Sec. 31
8106-3	Bixler Land	8	1.78	160	N/A	N/A	N/A	1.78	160	1	0	Approx. ctr of NE 1/4 Sec. 24 T114N-R63W	160 acres NE 1/4 Sec. 24
8103-3	Bixler Land	9	1.78	160	N/A	N/A	N/A	1.78	160	1	0	Approx. ctr of SW 1/4 Sec. 23	160 acres SW 1/4 Sec. 23
8084-3	Riverside Hutterian Brethren	10	3.77	264	N/A	N/A	N/A	3.77	264	2	0	Approx. ctrs of NW 1/4, NE 1/4 Sec. 29 T112N-R61W	2 @ 132 acres for 268 acres in N 1/2 Sec. 29
8105-3	Bixler Land	11	1.78	160	N/A	N/A	N/A	1.78	160	1	0	Approx. ctr of SE 1/4 Sec. 24 T114N-R63W	160 acres SE 1/4 Sec. 24
8129-3	Jeff Hamilton	12	2.00	145	N/A	N/A	N/A	2.00	145	up to 2	0	E 1/2 NW 1/4 Sec. 6 T113N-R64W	145 acres NW 1/4 Sec. 6
8099-3	Bixler Farms	13	1.78	160	N/A	N/A	N/A	1.78	160	1	0	Approx. ctr of NW 1/4 Sec. 3 T114N-R63W	160 acres NW 1/4 Sec. 3
8111-3	Van Buskirk Farms, LLP	14	1.94	136	N/A	N/A	N/A	1.94	136	1	0	Approx. ctr of NE 1/4 Sec. 36 T113N-R64W	136 acres NE 1/4 Sec. 36
8133-3	Scott Hamilton	15	2.00	145	N/A	N/A	N/A	2.00	145	up to 2	0	NE 1/4 NE 1/4 Sec. 11 T113N-R65W	140 acres NE 1/4 Sec. 11
8102-3	Bixler Land	16	1.78	160	N/A	N/A	N/A	1.78	160	1	0	Approx. ctr of SE 1/4 Sec. 22 T114N-63W	160 acres SE 1/4 Sec. 22

App No.	Name	Priority	New CFS	New Acres	Existing associated permit	Existing CFS	Existing Acres	Total CFS	Total Acres	No. New Wells	No. Existing Wells	Description of Diversion Points	Lands Irrigated
8108-3	Van Buskirk Farms, LLP	17	14.00	982	N/A	N/A	N/A	14.00	982	4	0	Approx. ctrs of Sec. 31, SW 1/4 Sec. 30, NE 1/4 Sec. 32 T114N-R63W; NE 1/4 Sec. 36 T114N-R64W	574 acres Sec. 31, 136 each SW 1/4 Sec 30, NW 1/4 Sec 32, NE 1/4 Sec. 36
8110-3	Van Buskirk Farms, LLP	18	1.94	136	N/A	N/A	N/A	1.94	136	1	0	Approx. ctr of NW 1/4 Sec. 33 T114N-R63W	136 acres Sec. 33
8100-3	Bixler Farms	19	1.78	160	N/A	N/A	N/A	1.78	160	1	0	Approx. ctr of SW 1/4 Sec. 24 T115N-R63W	160 acres SW 1/4 Sec. 24
8121-3	Allen and Jeffrey Gatzke	20	0.89	40	N/A	N/A	N/A	0.89	40	1	0	Approx. ctr of NW 1/4 SW 1/4 Sec. 13 T114N-R63W	40 acres SW 1/4 Sec. 13
8130-3	Jeff Hamilton	21	2.00	145	N/A	N/A	N/A	2.00	145	up to 2	0	W 1/2 NE 1/4 Sec. 6 T113N-R64W	145 acres NE 1/4 Sec. 6
8107-3	Bixler Farms	22	1.78	180	3052-3	1.88	140	3.66	320	1	1	new well in NW 1/4 Sec. 6, existing well in NE 1/4 SW 1/4 Sec. 6 T114N-R62W	180 additional acres in Sec. 6
8122-3	Allen and Jeffrey Gatzke	23	1.78	70	N/A	N/A	N/A	1.78	70	1	0	Approx. ctr of SE 1/4 Sec. 13 T114N-R63W	70 acres E 1/2 SE 1/4 Sec. 13
8109-3	Van Buskirk Farms, LLP	24	7.77	544	N/A	N/A	N/A	7.77	544	4	0	Approx. ctrs of SE 1/4, SW 1/4 Sec. 4, NE 1/4 SE 1/4 Sec. 5; all in T113N-R63W	4 @ 136 acres in S 1/2 Sec. 4, E 1/2 Sec. 5
8135-3	Loren or Cynthia Marzahn	25	2.22	160	N/A	N/A	N/A	2.22	160	1	0	Approx. ctr of NE 1/4 Sec. 28 T115N-R63W	160 acres NE 1/4 Sec. 28
8104-3	Bixler Farms	26	1.78	160	N/A	N/A	N/A	1.78	160	1	0	Approx. ctr of SE 1/4 Sec. 35 T115N-R63W	160 acres SE 1/4 Sec. 35
8132-3	Hamilton Family LLC	27	2.00	145	N/A	N/A	N/A	2.00	145	up to 2	0	Approx. ctr of the SW 1/4 Sec. 15 T113N-R65W	145 acres SW 1/4 Sec. 15