

WATER PERMIT NO. 7365-3

Name of Applicant: **Huron Colony**

Address: **40068 Huron Colony Lane, Huron SD 57350**

Phone: **605 352-5647**

Amount of Water Claimed: **1.78 cfs**

Total Acres: **132 acres**

Source of Water Supply: **groundwater (one well)**

Water to be used for: **irrigation**

County: **Beadle**

Type of Waste Disposal System:

Location: **15 miles north of Huron**

PRIORITY

Date Received: **5-31-12**

Application/License Fee: **\$ 1,050**

Corrected Application Received: **6-5-12**

Period of Annual Use: **April 1 – October 31**

Remarks:

Diversion Point: **center SW ¼ Sec 20-T113N-
R61W**

Land to be Irrigated: **SW ¼ Sec 20-T113N-R61W**

Depth of Well: **95 feet deep**

Well Driller:

Remarks:

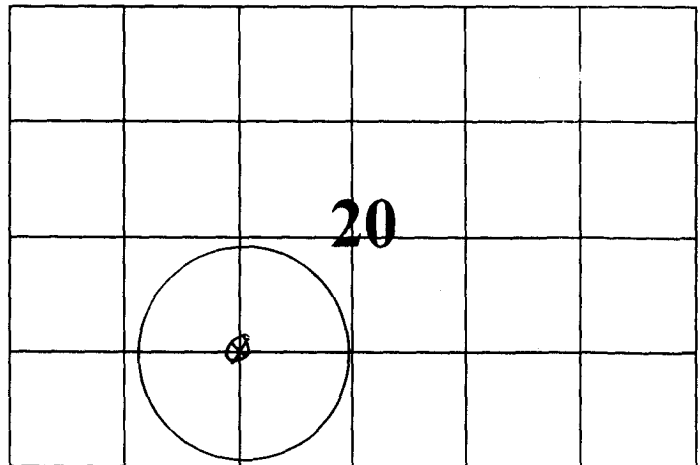
Type of Map: **aerial**

Prepared by: **Brenda Camo, Beadle Co NRCS**

Reviewed and the Number Assigned on: **6-5-12**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____



FORM 2: Application for irrigation in South Dakota
(type or print)

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>7365-3</u> (office use only)
	Hydrologic Unit <u>10160006</u>
	Basin <u>James River</u>
	Newspaper <u>Plainsman</u> P.O. Box <u>1278</u> Huron <u>57350</u> <u>605-352-6401</u>

RECEIVED
MAY 31 2012
WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water For Irrigation

Type of Application: ☒ New ☐ Vested Right ☐ Amendment/Correction to Permit No. _____

(Use predates Mar 2, 1955)

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.) _____

- Name of Applicant Huron Lutheran Brethren Inc. Phone 605-352-5647
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address 40068 Huron Colony Lane Huron State SD 57350
(Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 1.78*CFS or 800**GPM ***AF Total Acreage 132
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply Ground water
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)
1 well in Sec 20 SW 1/4 20-113N-61W
County Beadie
- County or counties where water will be used Beadie
- Annual period during which water is to be used April 1 - October 31
- List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
<u>SW 1/4 of Sec 20</u>	<u>132</u>		
<u>T113N R61W</u>			

8. Give a description of the project. (Attach sheet if more space is needed)

STATE OF SOUTH DAKOTA) SS

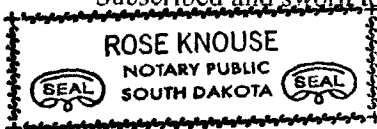
County of Beadie

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Attach map and any other technical information. (see instructions)

I, Joey Walker, the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction.

Applicant's signature Joey Walker

Subscribed and sworn to before me this 29 day of May 20 12



Rose Knouse

Notary Public signature Rose Knouse

Comm Expires: 12-24-2015

**SOUTH DAKOTA
WATER PERMIT NO. 7365-3**

Date of first receipt of application May 31, 2012.

The Water Management Board approved Water Permit No. 7365-3 on December 6, 2012 for Huron Hutterian Brethren Inc., c/o Joey Waldner, 40068 Huron Colony Lane, Huron SD 57350 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 7365-3 appropriates 1.78 cubic feet of water per second (cfs) from one well to be completed into the Tulare:East James Aquifer (95 feet deep) located in the center of the SW 1/4 Section 20 for irrigation of 132 acres located in the SW 1/4 Section 20; all in T113N-R61W.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1 – October 31.
3. The date from which applicant may claim right is May 31, 2012.
4. One-fifth of the construction is to be completed on or before June 6, 2015.
5. All construction is to be completed on or before December 6, 2017.
6. Water is to be put to beneficial use on or before December 6, 2021.
7. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his 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 well authorized by Permit No. 7365-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

By: Garland Erbele

Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

JAN 26 2013
date



Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 24 in Depth 95'
- b) Casing Type PVC Diameter 16" Thickness SOR 26
- c) Screen Type Stainless Diameter 16" Thickness
- d) Gravel Pack 4" Length of Gravel Pack 30 ft
- e) Depth to Top of Water Bearing Material 60'
- f) Depth to Water (ground surface to water level) 28'
- g) Distance to nearest existing domestic well:

On applicants property 425On property owned by others

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) 1 mi
- b) System Capacity (gallons) Lagoon Year Constructed 1999
- c) Connected to the City of no Sanitary System

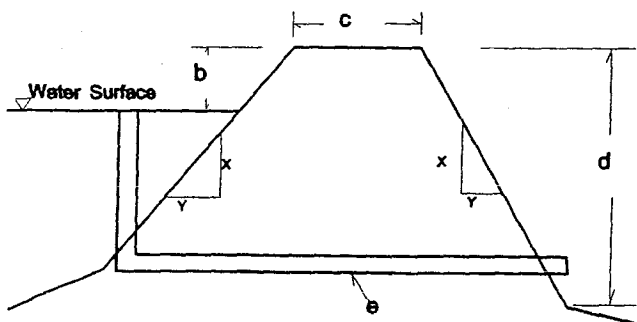
3. Dugout Information

- a) Surface Dimensions Depth
- b) Depth to water (ground surface to water level)

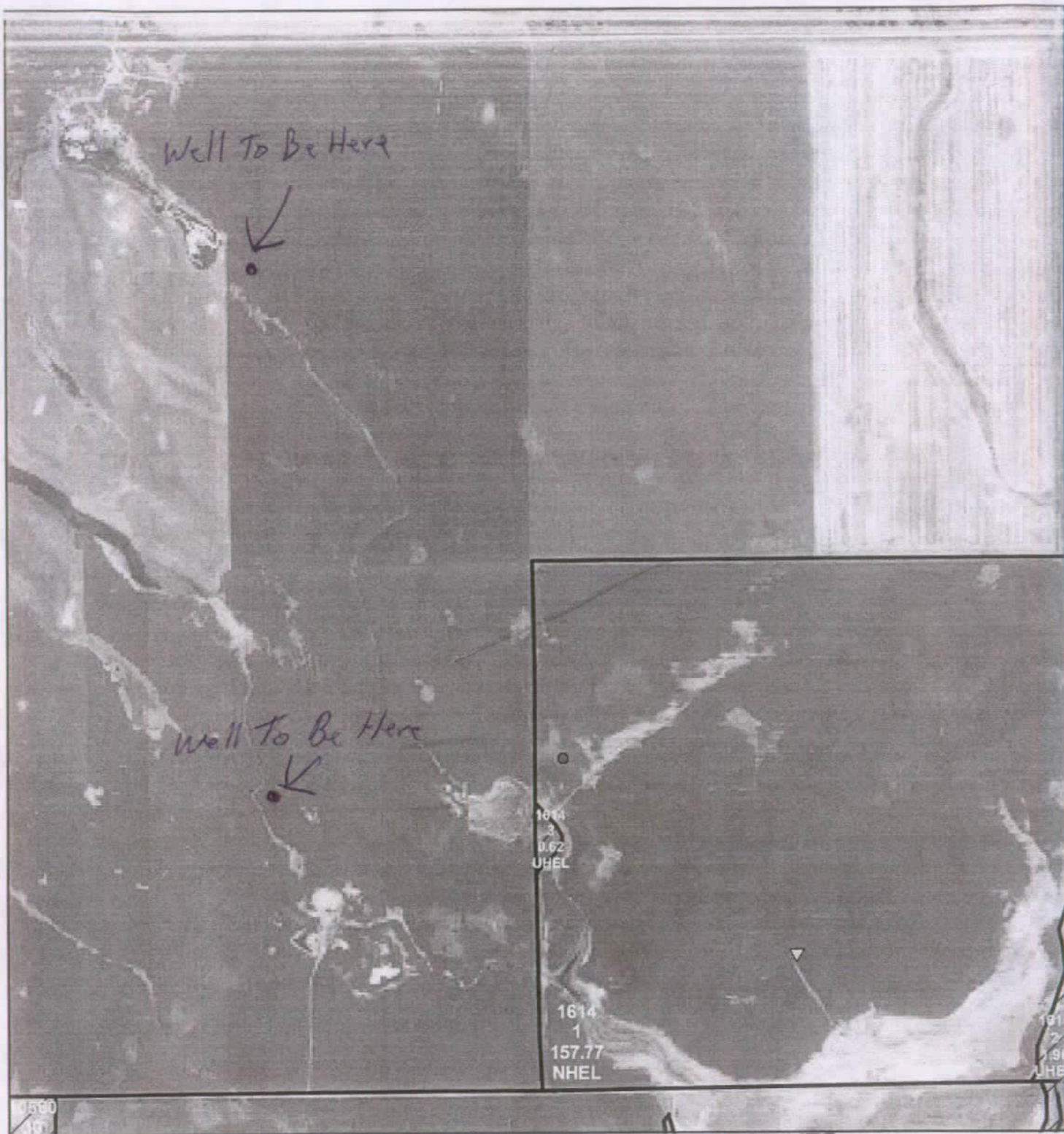
4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:



- b) Freeboard
- c) Crest Width
Crest Length
- d) Height
- e) Primary Outlet Capacity
If pipe, diameter
- f) Secondary Spillway Capacity
Spillway Width
- g) X & Y Slope
Upstream
Downstream
- h) Surface Area of Impoundment
- i) Storage Acre Feet
- j) Drainage Area Above Dam Acres



United States Department of Agriculture
Farm Service Agency

RECEIVED

MAY 31 2012

January 20, 2011

2012

PLSS: 20_113N_61W
Farm: 6768

Beadle County, SD

1 inch equals 673 feet

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original demination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.

Wetland Determination Identifiers
● Restricted Use
△ Limited Restrictions
□ Exempt from Conservation Compliance Provisions

Common Land Units
Non Cropland



2010 Ortho-Photography - Not to Scale

Verified by Brenda Cano
Soil Conservationist - Huron FO-USA-NRCS 6/4/12

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 5/31, 20 12

RECEIVED OF Huron Hutterian Brethren 40068 Huron Colony Ln Huron SD 57350

The following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. <u>7365-3</u> to Appropriate Water, to construct and to put water to beneficial use	850	00
Fee for Application for Permit No. _____ to Appropriate Water for Future use		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>7365-3</u>	200	00
Fee for Filing Transfer Form _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	1050 00

No. **05451**

By *Leland Erbe*
Chief Engineer



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

May 31, 2012

Huron Colony
c/o Joey Waldner
40068 Huron Colony Lane
Huron SD 57350

Dear Mr. Waldner:

Thank you for submitting the *Applications for a Permit to Appropriate Water* for irrigation in Beadle County. In order to complete the applications, the following is required.

- Enclosed are the aerial photo maps submitted with the application. The maps must be signed by one of the following: Registered Land Surveyor, Registered Professional Engineer or by any other government employee who normally prepares maps as a part of his assigned duties (i.e. local NRCS or FSA office).

If you have any questions, please contact me.

Sincerely,

Karen Schlaak

Karen Schlaak
Water Rights Program
605 773-3352
karen.schlaak@state.sd.us

enclosures

To Eric in Water Rights

Concerning the name of the
applications notice for Huron
Colony Irrigation Wells. we would

Like The name to Read (Huron Hutterian
Brethren INC.) No Other name needed

Marvin Wollman ~~Huron Hutterian~~

Huron Hutterian Brethren

Marvin Wollman



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 7365-3, Huron Colony**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 7365-3, Huron Colony, c/o Joey Waldner, 40068 Huron Colony Lane, Huron SD 57350.

The Chief Engineer is recommending APPROVAL of Application No. 7365-3 because 1) the Water Rights Program evaluated the availability of water in the aquifer and determined that there is a reasonably probability that there is unappropriated water available from the Tulare:East James Aquifer, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest to put water resources of the state to the fullest extent of which they are capable with the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his 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 well authorized by Permit No. 7365-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
September 6, 2012

REPORT TO THE CHIEF ENGINEER
ON
WATER PERMIT APPLICATION NO. 7295-3, WILLIAM F. ST. CLAIR
NO. 7316-3, VAN BUSKIRK FARMS LLP
NO. 7348-3, MICHAEL SENTELL
NO. 7364-3, WIPF ACRES LP
NO. 7365-3, HURON COLONY
NO. 7366-3, HURON COLONY
NO. 7367-3, HURON COLONY
NO. 7368-3, HURON COLONY
NO. 7369-3, HURON COLONY
AND
NO. 7370-3, HURON COLONY
AUGUST 23, 2012

Water Permit Application No. 7295-3 proposes to appropriate water at a maximum diversion rate of 1.78 cubic feet of water per second (cfs) from one well approximately 90 feet deep, to be completed into the Tulare: East James aquifer. The well is to be located in the NW¼ of Section 30, T117N-R61W and the water is to be used to irrigate 120 acres located in the NW¼ of Section 30, T117N-R61W. This application was deferred by the Water Management Board on March 7, 2012 to allow time to determine the availability of water from the Tulare: East James aquifer.

Water Permit Application No. 7316-3 proposes to appropriate water at a maximum diversion rate of 4.5 cfs from two wells, approximately 80 feet deep, to be completed into the Tulare: East James aquifer. The wells are to be located in the W½ of Section 12, T114N-R62W and the water is to be used to irrigate 272 acres located in the W½ of Section 12, T114N-R62W. This application was deferred by the Water Management Board on May 2, 2012 to allow time to determine the availability of water from the Tulare: East James aquifer.

Water Permit Application No. 7348-3 proposes to appropriate water at a maximum diversion rate of 5.33 cfs from a gravel pit completed into the Tulare: East James aquifer located in the NE¼ SW¼ of Section 14, T114N-R62W. The water is to be used to irrigate 440 acres located in the NW¼ of Section 13, and the NW¼, W½ SE¼, SE¼SW¼ of Section 14; all of T114N-R62W. The Chief Engineer originally recommended deferral of this application to allow time to determine the availability of water from the Tulare: East James aquifer.

Water Permit Application No. 7364-3 proposes to appropriate water at a maximum diversion rate of 1.93 cfs from one well, approximately 100 feet deep, completed into the Tulare: East James aquifer. The well is to be located in the center of the SE¼ of Section 7, T115N-R61W and the water is to be used to irrigate 135 acres located in the SE¼ of Section 7, T115N-R61W.

Water Permit Application No. 7365-3 proposes to appropriate water at a maximum diversion rate of 1.78 cfs from one well, approximately 95 feet deep, completed into the Tulare: East James aquifer. The well is to be located in the center of the SW¼ of Section 20, T113N-R61W and the water is to be used to irrigate 132 acres located in the SW¼ of Section 20, T113N-R61W.

Water Permit Application No. 7366-3 proposes to appropriate water at a maximum diversion rate of 1.78 cfs from one well, approximately 95 feet deep, completed into the Tulare: East James aquifer. The well is to be located in the center of the NW¼ of Section 20, T113N-R61W and the water is to be used to irrigate 132 acres located in the NW¼ of Section 20, T113N-R61W.

Water Permit Application No. 7367-3 proposes to appropriate water at a maximum diversion rate of 1.78 cfs from one well, approximately 95 feet deep, completed into the Tulare: East James aquifer. The well is to be located in the center of the NE¼ of Section 19, T113N-R61W and the water is to be used to irrigate 132 acres located in the NE¼ of Section 19, T113N-R61W.

Water Permit Application No. 7368-3 proposes to appropriate water at a maximum diversion rate of 1.78 cfs from one well, approximately 95 feet deep, completed into the Tulare: East James aquifer. The well is to be located in the center of the NW¼ of Section 19, T113N-R61W and the water is to be used to irrigate 132 acres located in the NW¼ of Section 19, T113N-R61W.

Water Permit Application No. 7369-3 proposes to appropriate water at a maximum diversion rate of 1.78 cfs from one well, approximately 95 feet deep, completed into the Tulare: East James aquifer. The well is to be located in the center of the SW¼ of Section 19, T113N-R61W and the water is to be used to irrigate 132 acres located in the SW¼ of Section 19, T113N-R61W.

Water Permit Application No. 7370-3 proposes to appropriate water at a maximum diversion rate of 1.78 cfs from one well, approximately 95 feet deep, completed into the Tulare: East James aquifer. The well is to be located in the center of the SE¼ of Section 19, T113N-R61W and the water is to be used to irrigate 132 acres located in the SE¼ of Section 19, T113N-R61W.

AQUIFER: East James management unit of the Tulare aquifer (T:EJ)

GEOLOGY AND AQUIFER CHARACTERISTICS:

The Tulare East James aquifer is a system of interconnected sand and gravel layers that were deposited as outwash by meltwater from receding glaciers. The sands and gravels that make up the Tulare: East James aquifer were deposited on bedrock (Pierre Shale or Niobrara Formation), or on glacial till, and generally occur between 1,130 - 1,270 feet above mean sea level (msl). Wells completed into the aquifer are typically less than 130 feet deep (Water Rights 2012b; Water Rights 2012c). Although the saturated thickness of the Tulare: East James aquifer is estimated to be 37 feet in Spink County (Hamilton and Howells, 1996), the thickness of this outwash deposit is variable with a maximum exceeding 75 feet ("Lithologic Logs Database"; Water Rights, 2012b; Water Rights, 2012c). The aquifer underlies approximately 123,578 acres of Spink and Beadle Counties. Assuming an average thickness of 37 feet and a specific yield of 0.15, the aquifer contains approximately 685,857 acre-feet of recoverable water in storage. The Tulare: East James aquifer is buried over most of its area and is predominately under confined conditions. The water levels of wells completed into the Tulare: East James aquifer range from more than 50 feet below grade to above ground surface (i.e. free flowing wells). Based on the SD DENR-Water Rights Program observation well water level data (Water Rights, 2012a), groundwater movement in the aquifer is generally from east to west although there is northwest to southeast flow component in the northwest portion of the aquifer.

SDCL 46-2A-9

Pursuant to SDCL 46-2A-9, a permit to appropriate water may be issued only 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 rights and that the proposed use is a beneficial use and in the public interest.

WATER AVAILABILITY:

The probability of unappropriated water being available from the Tulare: East James aquifer can be evaluated by considering SDCL 46-6-3.1 which requires "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 water to the groundwater source."

In applying SDCL 46-6-3.1, the Sixth Judicial Circuit Court ruled in 2005 that if the Water Management Board uses average annual recharge, then it should also use average annual withdrawals to determine if unappropriated water is available from the aquifer (*Hines v. South Dakota Dept. of Environ. and Nat'l. Resources, Hughes County 04-37* (Memorandum Decision, April 29, 2005)).

The availability of unappropriated water from the Tulare: East James aquifer was evaluated based on observation well data and through consideration of a hydrologic budget for the aquifer.

OBSERVATION WELL DATA:

The analysis of observation well data provides a qualitative means of assessing the aquifer and provides the best information available to evaluate the Tulare: East James aquifer. In addition, Administrative Rule of South Dakota Section 74:02:05:07 requires that "the Water Management Board shall rely upon the record of observation well measurements to determine that the quantity of water withdrawn annually from the aquifer does not exceed the estimated average annual recharge to the aquifer."

The DENR-Water Rights Program monitors 34 observation wells completed into the Tulare: East James aquifer (Water Rights, 2012a) (see figure 1). Hydrographs for four of these observation wells are shown in Figures 2-5. The hydrographs are representative for the Tulare: East James aquifer and show that the aquifer readily responds to climatic conditions, with rising water levels during wet years and declining water levels during dry years.

The analysis of the DENR-Water Rights Program observation well data provides the best information reasonably available to evaluate withdrawals from an aquifer as compared with recharge to the aquifer. Observation well data showing a steady, continual decline of the aquifer's water level or artesian pressure could indicate that withdrawals from an aquifer were exceeding recharge. In addition, water level fluctuations in an aquifer dominated by the influences of well withdrawals, or a change in the configuration of the potentiometric surface could indicate that well withdrawals are a significant component in the system relative to recharge and/or natural discharge. Examination of the observation well data to consider long term water level trends, any influences of well withdrawals and the configuration of the potentiometric surface of the aquifer are discussed below.

Observation well water level trends:

A rising water level in an aquifer indicates that recharge to the aquifer exceeds withdrawals from the aquifer and conversely a declining water level is indicative of withdrawals exceeding recharge. An equation for this relationship is:

$$\Delta S = R - D$$

Where: ΔS = change in the volume of water in storage in the aquifer
R = Recharge
D = Discharge

The observation well data for the Tulare: East James aquifer has documented upward trending water levels throughout the aquifer. The average slope of linear trend lines for observation well hydrographs over each well's period of record has been +0.000726 feet per day (+0.265 feet per year). The period of record extends back to 1967 for six observation wells and back to 1963 for two observation wells. With the exception of SP-82A and SP-82B which were installed in 1982, all of the observation wells have records from 1980 to present. The average slope of linear trend lines for observation well hydrographs for the 32 wells with records from 1980-2012 is +0.0008844 feet per day (+0.323 feet per year). The upward trending water levels indicate recharge to the Tulare: East James aquifer has likely been greater than the total of the discharges from the aquifer over the period of record.

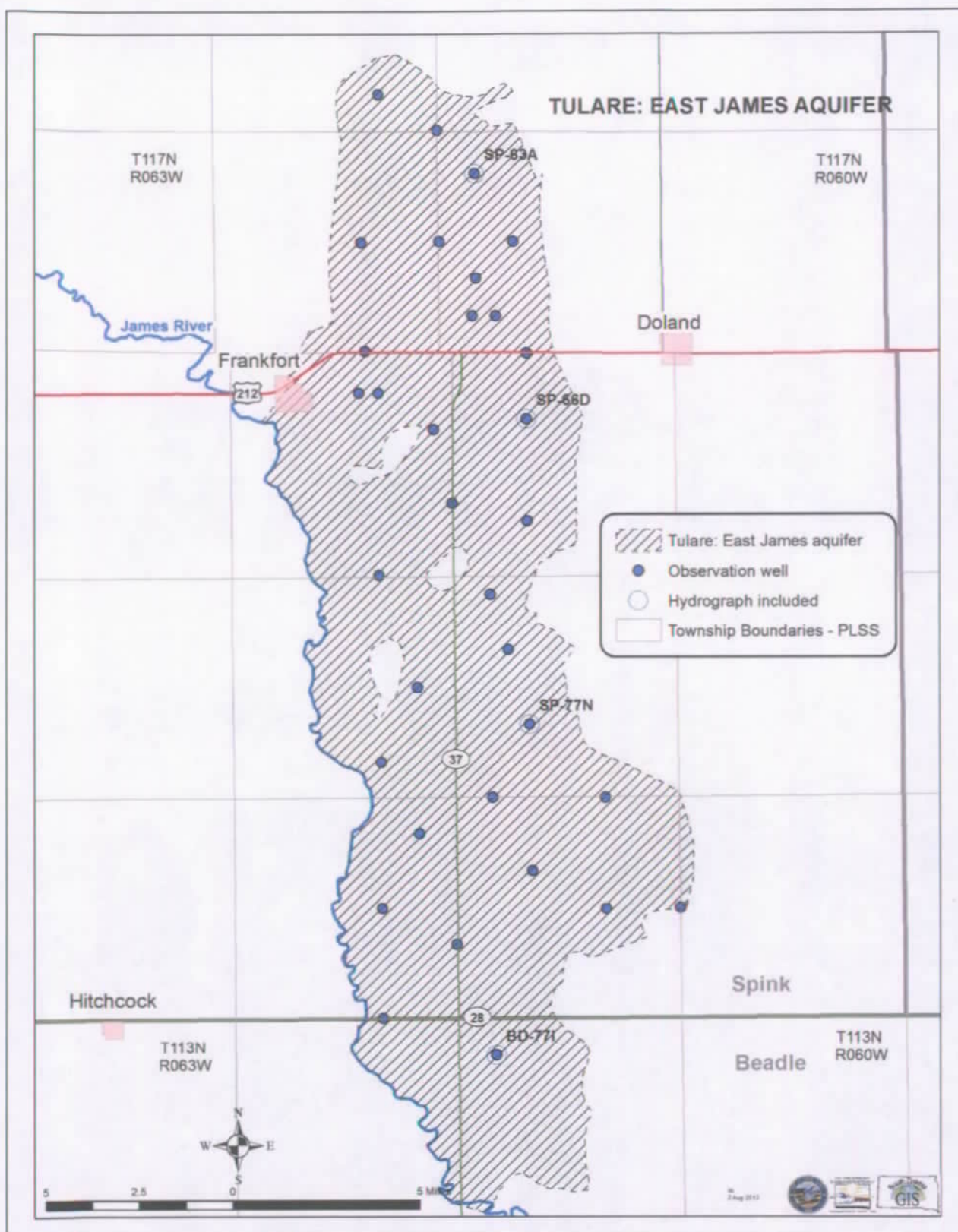


Figure 1. Location of the Tulare: East James aquifer

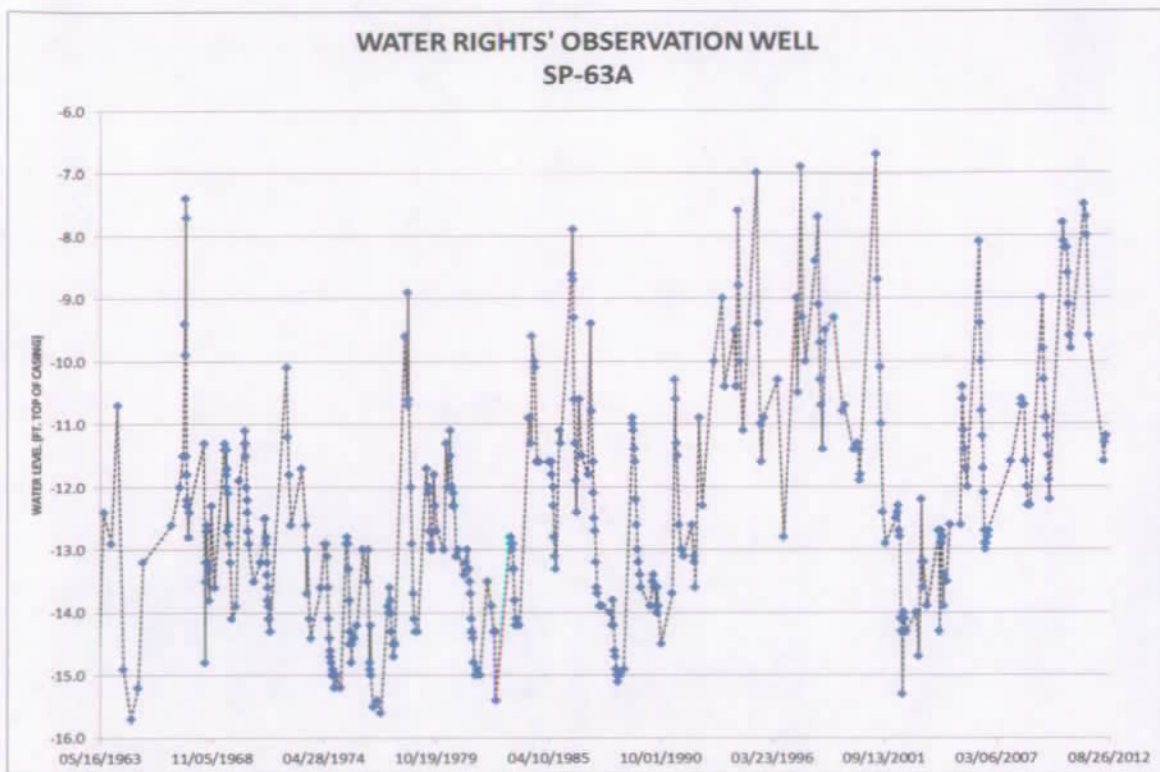


Figure 2. Hydrograph of DENR-Water Rights' observation well SP-63A. (see Figure 1 for location)

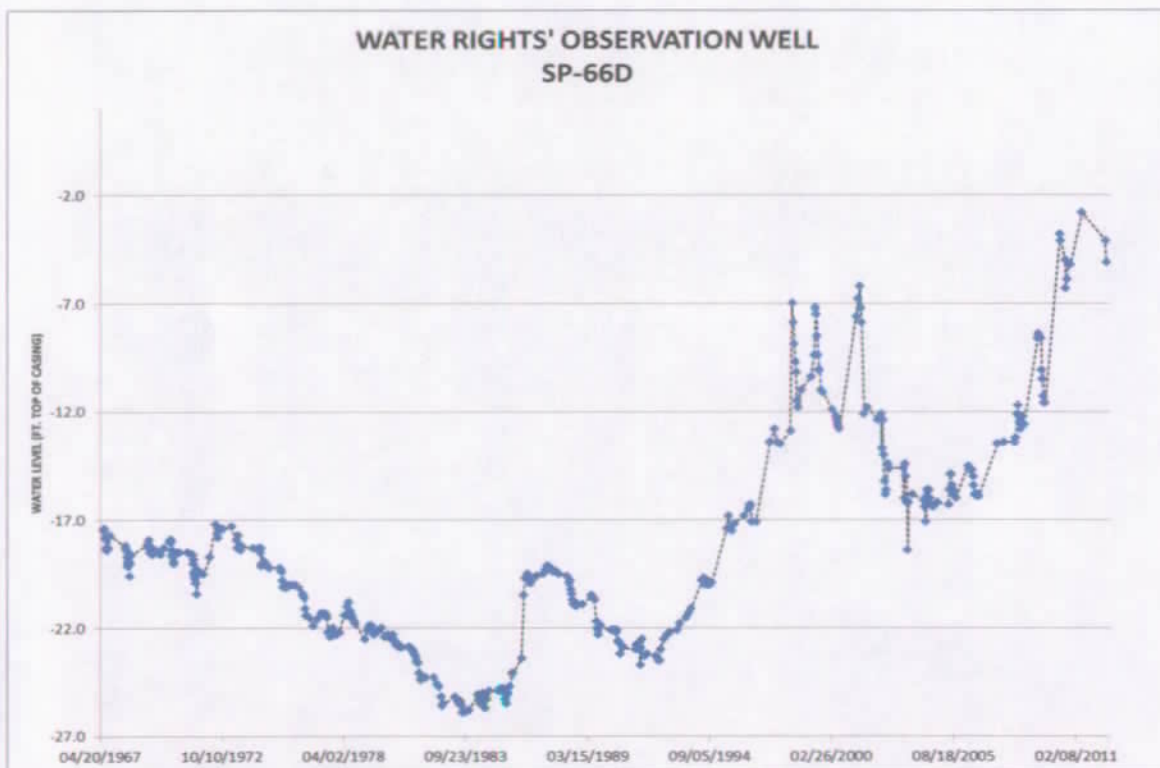


Figure 3. Hydrograph of DENR-Water Rights' observation well SP-66D (see Figure 1 for location)

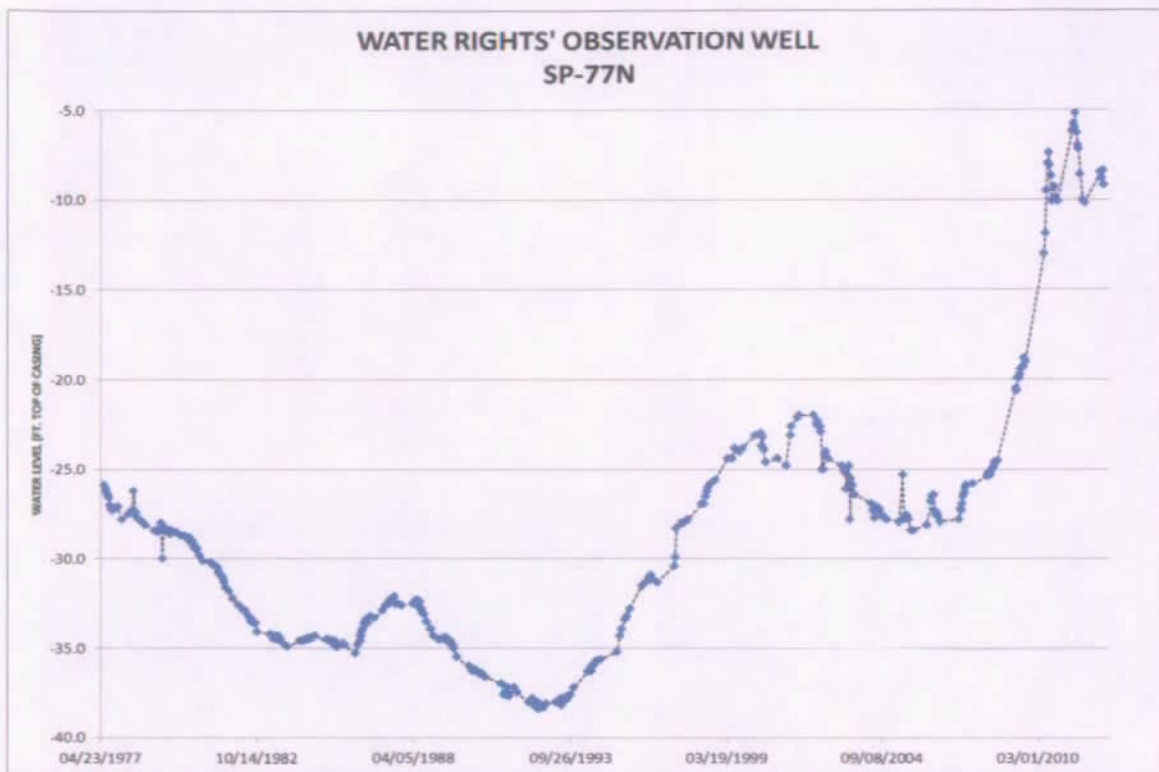


Figure 4. Hydrograph of DENR-Water Rights' observation well SP-77N (see Figure 1 for location)

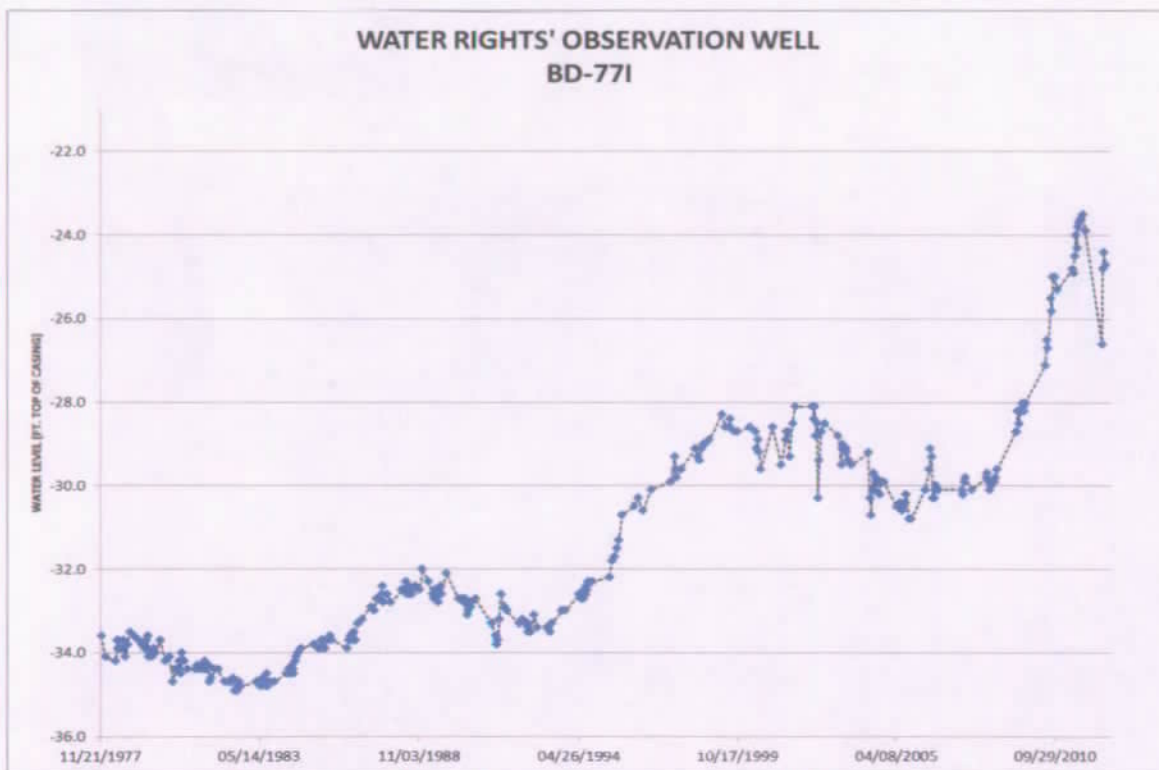


Figure 5. Hydrograph of DENR-Water Rights' observation well BD-77I (see Figure 1 for location)

An analysis of observation well hydrographs was used to quantify the change in volume of water in storage in the aquifer. The analysis involved identifying observation wells completed into the unconfined portion of the Tulare: East James aquifer and determining the change of the water level in each well for every year. The amount of water represented by a change in water level was determined by multiplying the water level change by the aquifer's specific yield (0.15) (Kuiper, 1984). The average change in storage was applied over the portion of the aquifer that is under unconfined conditions to determine the volume in acre-feet per year of the change in storage.

This analysis is restricted to observation wells completed into an area where the aquifer is under unconfined conditions. The hydrograph shown in Figure 6, for an observation well that is completed in a portion of the Tulare: East James aquifer that was under unconfined conditions from 1977-2009 but became confined in 2009 when the water level was -22.1 feet from the top of the casing. The hydrograph shows fairly well the difference between changes in the amount of water in storage in the aquifer (pre-2009) and changes of the "pressure" of the aquifer (post-2009).

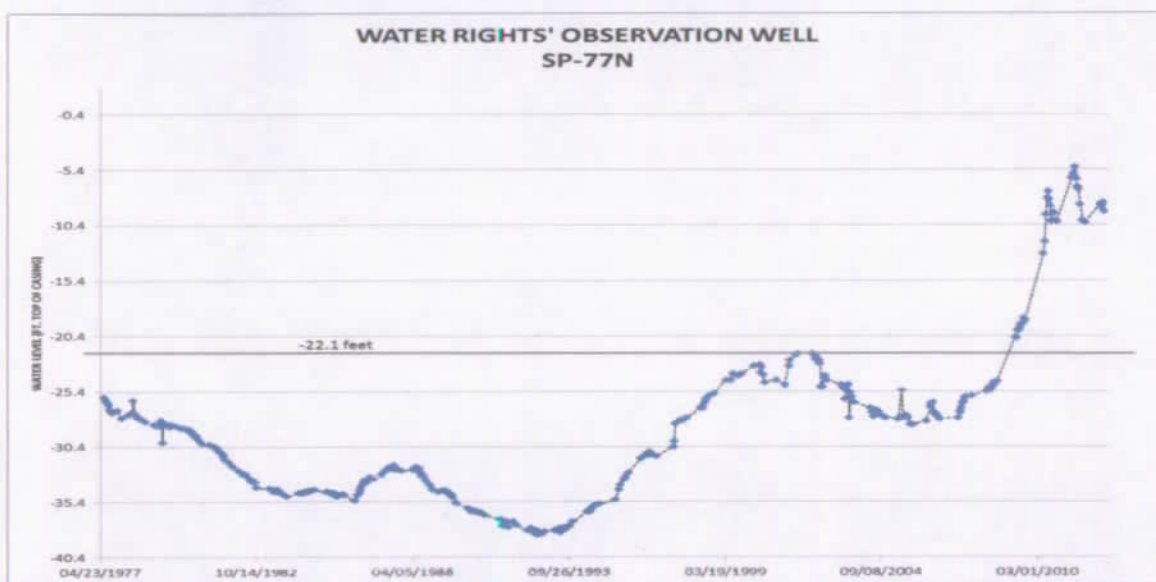


Figure 6. Hydrograph showing the difference between an unconfined aquifer and a confined aquifer.

Seven DENR-Water Rights' observation wells were used to analyze the Tulare: East James aquifer. These wells were chosen because they were in portions of the aquifer that remained unconfined for their entire period of record and the wells were determined to accurately reflect aquifer conditions. Although three of these observation wells have data older than 1980, the time period used for analysis was 1980-2011 to maximize the record-years of data. The results of the analysis are shown in Table 1.

WATER YEAR	ANNUAL WATER LEVEL CHANGE (ft) per OBSERVATION WELL							AVERAGE (ft/yr)
	SP-77J	SP-77P	SP-79G	SP-79H	SP-79K	SP-79O	SP-80K	
1980	-0.4	-0.3	-2.0	-0.8	-0.5	-0.1	-0.8	-0.7
1981	-0.9	-0.4	-1.3	-1.0	-0.3	-0.2	-0.9	-0.7
1982	-0.9	-0.4	0.7	-0.4	-0.3	0.3	-1.4	-0.3
1983	-0.5	0.0	0.6	-0.4	0.0	0.2	-0.9	-0.1
1984	0.6	0.6	1.4	0.7	0.7	0.8	-0.2	0.7
1985	0.7	0.1	0.0	0.3	0.0	-0.5	-0.2	0.1
1986	1.4	0.5	1.9	1.6	1.0	1.0	1.1	1.2
1987	0.5	0.2	-0.5	0.1	-0.4	-0.7	0.5	0.0
1988	-0.6	-0.1	-1.8	-0.6	-0.2	-0.2	-0.1	-0.5
1989	-1.0	-0.2	-0.4	-0.7	-0.2	0.0	-1.4	-0.6
1990	-0.9	-0.4	-0.4	-0.4	-0.4	-0.3	-1.2	-0.6
1991	-0.4	-0.2	0.5	-0.1	-0.1	0.1	-0.6	-0.1
1992	-0.5	-0.4	-0.1	-0.2	-0.1	-0.2	0.1	-0.2
1993	0.6	0.3	2.0	0.6	0.5	1.3	1.5	1.0
1994	0.4	0.4	1.2	1.3	0.4	-0.3	-0.3	0.4
1995	1.6	1.8	1.5	1.6	2.3	1.1	1.4	1.6
1996	1.0	1.0	-0.6	0.4	-0.4	-0.5	0.5	0.2
1997	1.9	1.5	2.8	2.2	2.0	1.1	2.2	2.0
1998	1.9	0.9	-0.4	0.9	0.1	-0.8	1.5	0.6
1999	1.9	0.5	0.0	0.9	0.2	-0.3	0.6	0.5
2000	-1.0	-1.2	-1.7	-0.1	-0.5	-2.2	-0.4	-1.0
2001	1.8	2.3	1.7	1.5	1.9	2.5	1.0	1.8
2002	-1.3	-0.1	-1.8	-0.8	-1.0	-1.1	-0.6	-1.0
2003	-0.9	-0.8	-1.9	-1.5	-0.8	-0.2	-0.4	-0.9
2004	-0.8	-0.8	0.1	-0.9	-0.6	-0.2	-0.3	-0.5
2005	-0.4	-0.5	-0.2	-0.9	-0.2	0.1	-0.5	-0.4
2006	-0.4	0.5	0.4	1.1	0.4	0.1	-0.2	0.3
2007	0.4	0.3	1.6	1.5	0.9	0.8	0.9	0.9
2008	0.2	0.2	0.3	0.6	-0.3	-0.3	0.5	0.2
2009	1.0	1.5	2.6	1.8	1.2	0.5	0.5	1.3
2010	2.6	3.8	2.6	5.0	4.4	1.5	2.0	3.1
2011	3.4	2.3	1.5	1.9	1.0	-0.1	1.4	1.6
<i>AVE</i>	<i>0.34</i>	<i>0.40</i>	<i>0.32</i>	<i>0.48</i>	<i>0.33</i>	<i>0.10</i>	<i>0.17</i>	<i>0.31</i>

Table 1. Water Level change per year per observation well

The average annual water level change for the seven observation wells for the period of 1980-2011 is +0.31 feet. Therefore, the water level for the unconfined portion of the aquifer increased an average of 0.31 feet per year from 1980-2011.

The areal extent of the Tulare: East James aquifer that has remained unconfined throughout the entire period of record was delineated by examining the logs of test holes ("Lithologic Logs Database"), domestic and irrigation wells (Water Rights, 2012b; Water Rights, 2012c) and observation wells (Water Rights, 2012a) as compared to a September 2011 potentiometric surface derived from DENR-Water Rights Observation Well Network. Approximately 22,477 acres were determined to be under unconfined conditions in September 2011.

Since 22,477 acres of the aquifer had an average annual water level rise of 0.31 feet, assuming a specific yield of 0.15, the annual change in volume of:

$$(22,477 \text{ acres} \times 0.31 \text{ feet} \times 0.15) = 1,045 \text{ acre feet}$$

Therefore the observation well data indicates that the annual recharge to the aquifer exceeded discharge from the aquifer by an average of 1,045 acre-feet per year for the period of 1980-2011.

Water level fluctuations due to well withdrawals:

Observation well data documents that the development that has occurred from the Tulare: East James aquifer has had an inconsequential effect on the aquifer over the long term. Figure 7 is a hydrograph for DENR-Water Rights Program observation well SP-66C. The water level record for this well extends back to June 9, 1967; a time span that includes most of the period of irrigation development from the aquifer. The observation well is located a short distance from several high capacity irrigation wells and the drawdown from the irrigation withdrawals is obvious. However, over the period of record of the hydrograph, the number of appropriations from the Tulare: East James aquifer increased from 25 to 113 and the number of acres authorized for irrigation increased from 4,210 to 15,571. The increased development is not apparent in the hydrograph.

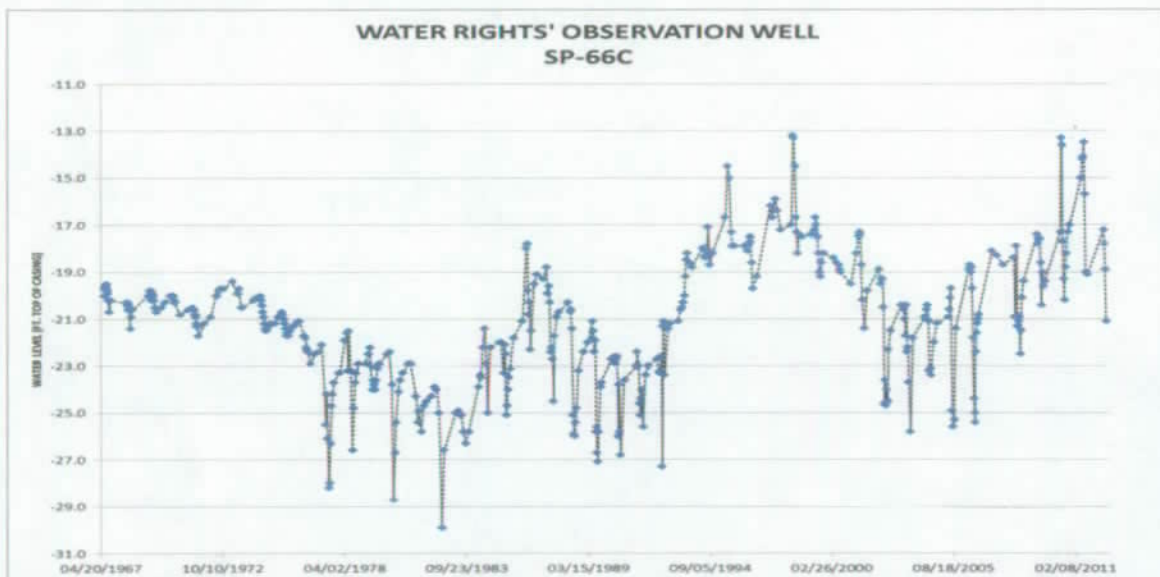


Figure 7. DENR-Water Rights' Observation well completed into the Tulare: East James aquifer, located near irrigation development

All of the observation well data shows that at the current level of development, climatic conditions greatly mask any temporal effects of well withdrawals. Therefore, the data shows that the combined recharge to and natural discharge from the Tulare: East James aquifer significantly exceeds long term well withdrawals.

Potentiometric Surface:

The potentiometric surface of the Tulare: East James aquifer was determined for two time periods based on the observation well measurements for September 1980 and for September 2011. A map showing the two potentiometric surfaces is shown in Figure 8.

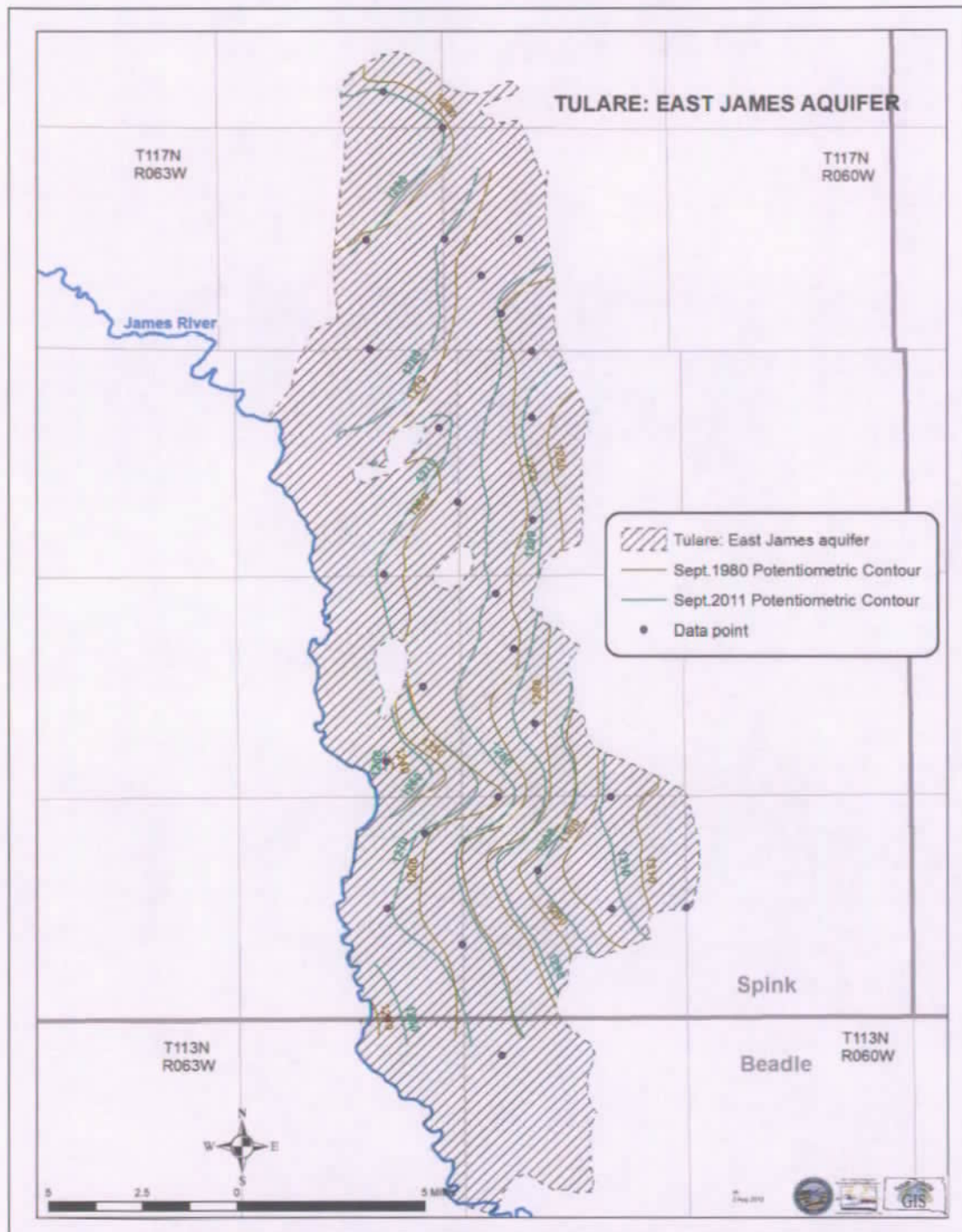


Figure 8. Comparison of the potentiometric surface of the Tulare: East James aquifer (September 1980 to September 2011)

Although the September 1980 water levels were generally lower than the September 2011 water levels, the configuration of the potentiometric surface has not changed significantly over time. It is clear that the amount of water in transient storage in the aquifer has not been significantly affected by increased appropriations and well withdrawals from the aquifer. The stress on the aquifer over time with increased appropriations is not evident in the records of water levels, therefore recharge to the aquifer and natural discharges from the aquifer significantly exceed well withdrawals.

HYDROLOGIC BUDGET:

SDCL 46-6-3.1 and the availability of unappropriated water from the Tulare: East James aquifer can be evaluated by considering a hydrologic budget for the aquifer which compares the recharge to and discharge from the aquifer.

Recharge:

Recharge to the Tulare: East James aquifer is primarily through infiltration of precipitation where the aquifer is at or near the surface. Timber Creek and some of its tributaries have incised into the Tulare: East James aquifer and streamflow provides recharge to the aquifer especially in the northern portion of the aquifer (Goodman, 1984). In addition, "...leakage through ruptured well casings or infiltration of uncontrolled discharge from flowing wells completed in bedrock may recharge aquifers in the glacial deposits" (Hamilton and Howells, 1996).

Recharge Estimates:

Previous Estimates:

Recharge to the Tulare: East James aquifer was estimated by Hedges and others (1985) using an observation well analysis to be 2.5 inches per year for the unconfined portion of the aquifer. Hedges and others (1985) used a regional flow-net analysis to estimate a recharge rate of 0.72 inches per year for the unconfined portion of the aquifer and 0.30 inches per year for the confined portion of the Tulare: East James aquifer. Average annual recharge to the Tulare: East James aquifer was also estimated by Kuiper (1984), using a digital groundwater model to be 0.38-1.52 inches per year with a "best fit" of 0.76 inches per year.

In the past the Water Management Board has accepted 0.76 inches per year as the best available recharge rate estimate, an areal extent equal to 125,600 acres and an average annual recharge volume of 7,950 acre-feet per year for the Tulare: East James aquifer (Water Management Board Findings dated 26 October, 2006 (Paragraph 8)). Assuming an areal extent of the aquifer 123,578 acres (see Figure 1), the average annual recharge to the Tulare: East James aquifer 7,827 acre-feet per year.

Regional Flow Net Analysis:

The recharge potential of the Tulare: East James aquifer was evaluated by interpreting a regional flow net analysis based on the September 2011 water level data from the DENR-Water Rights' Observation Well Network. A flow net analysis is a calculation of the amount of water flowing through the aquifer according to the equation:

$$Q = TIL$$

Where:

Q= flow in gallons per day

T= Transmissivity in gallons per day per foot
I= Hydraulic gradient in feet per mile
L= Cross sectional length in miles

The average hydraulic conductivity for the Tulare: East James aquifer was estimated based on the specific capacities of the 12 irrigation wells completed into the aquifer for which the data to allow these calculations was available (Water Rights, 2012b; Water Rights, 2012c). Transmissivity was calculated at each well using the wells' specific capacity ("Transmissivity from Specific Capacity"), and the transmissivity was divided by the aquifer thickness at the well. The average hydraulic conductivity was calculated to be 1,512.9 gallons per day per square foot (gpd/ft²). The average transmissivity of the Tulare: East James aquifer of a cross section through which all of the flow of the aquifer must flow was determined by multiplying the average thickness of the cross section (38.4 feet) times the average hydraulic conductivity for the aquifer (1,512.9 gallons per day per square foot) to be 58,095 gallons per day per foot.

The hydraulic gradient for the Tulare: East James aquifer was estimated to average 7.5 feet per mile based on data from the DENR-Water Rights' Observation Well Network.

The cross section length of the Tulare: East James aquifer was determined to be approximately 17 miles based on the current aquifer delineation.

The amount of water moving through the Tulare: East James aquifer is estimated as follows:

$$\begin{aligned} Q &= ((58,095 \text{ gpd/ft}) \times (7.5 \text{ ft/mile}) \times (17 \text{ miles})) / (325,851 \text{ gallons/ac-ft}) \\ &= 22.7 \text{ ac-ft/day} \\ &= \underline{8,285 \text{ ac-ft/yr}} \end{aligned}$$

In order to sustain this estimated volume of groundwater moving through the aquifer, the recharge rate in inches per acre per year based on an area of the aquifer of 123,578 acres would be 0.80 inches. This recharge rate cannot be considered "average annual recharge" since it used only 2011 data; however the estimate does show the reasonableness of the average annual recharge estimate from Kuiper (1984).

Discharge:

Discharge from the Tulare: East James aquifer is both natural (i.e. evapotranspiration and discharge to the James River) and through well withdrawals.

Well withdrawals:

Well withdrawals from the Tulare: East James aquifer occur through domestic use which does not requiring a water permit or right and uses from appropriative rights/permits.

Domestic water use:

There are 55 domestic water supply wells on file with the DENR-Water Rights (Water Rights, 2012c) that appear to be completed into the Tulare: East James aquifer. The volume of water used by these wells was estimated based on the average rural use for Mid Dakota RWS (i.e. 7,000 gallons per tap per month), (SD-Department of Environment and Natural Resources, 2012) to be approximately 14 acre-feet per year.

Appropriative water use

All of the water rights/permits appropriating water from the Tulare: East James aquifers are for irrigation use. The history of the development of irrigation in the Tulare: East James aquifer can be seen in Figures 9 and 10.

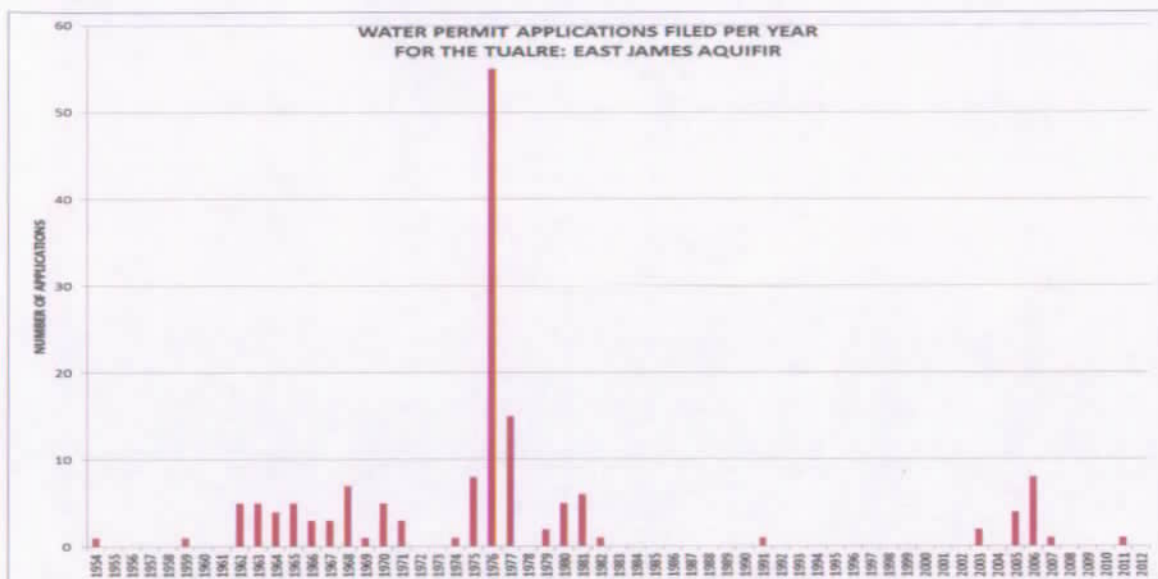


Figure 9. Water permit applications filed per year for the Tulare: East James aquifer

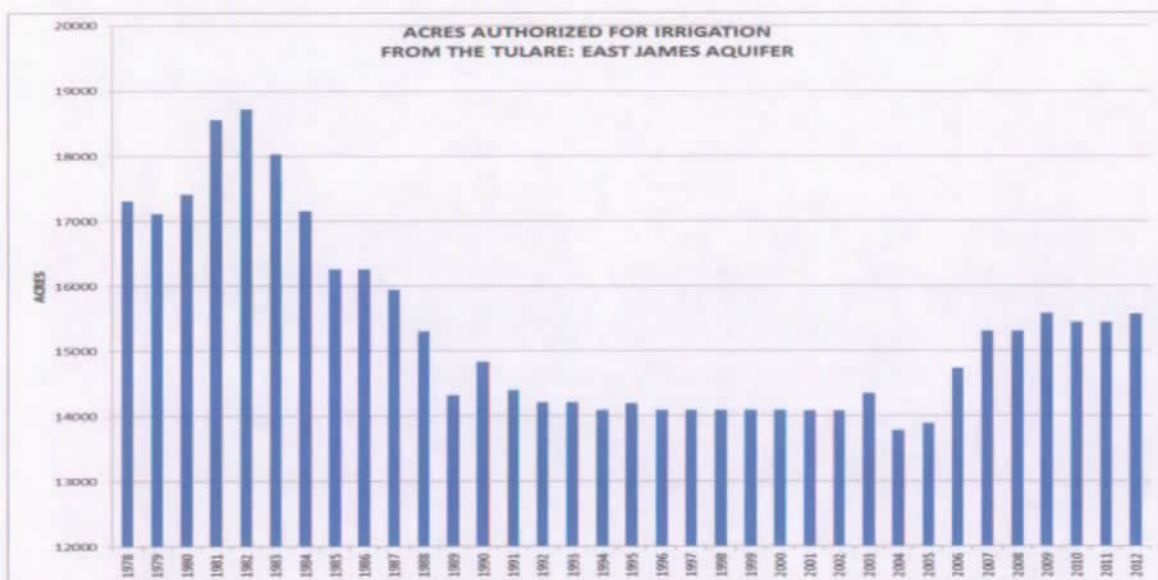


Figure 10. Acres authorized for Irrigation from the Tulare: East James aquifer

Examination of Figures 9 and 10 show that for practical purposes, irrigation development was essentially complete by 1979 or 1980. The number of appropriations and amount of water reported pumped from the aquifer (see Table 2) also suggest that the Tulare: East James aquifer should be considered fully developed as of about 1979 or 1980.

YEAR	NO. PERMITS	APPROPRIATION (acre-feet/year)	PUMPED (acre-feet/year)
1979	81	46,062.00	5,321.00
1980	82	46,326.00	7,348.00
1981	92	48,404.00	12,935.00
1982	80	44,931.30	6,873.68
1983	82	45,395.60	5,951.32
1984	81	42,131.20	4,236.80
1985	79	41,777.20	4,251.00
1986	80	41,741.20	4,940.00
1987	76	39,978.20	8,481.00
1988	75	41,043.20	11,106.20
1989	76	40,971.20	11,281.50
1990	75	40,716.20	6,928.00
1991	76	40,772.20	7,890.10
1992	76	40,220.20	3,224.40
1993	75	40,164.20	1,089.00
1994	76	40,510.35	3,897.29
1995	75	40,498.20	2,932.31
1996	75	40,498.20	7,389.13
1997	75	40,498.20	2,676.00
1998	75	40,498.20	3,475.85
1999	75	40,498.20	5,011.51
2000	75	40,498.20	7,690.37
2001	77	41,324.20	10,287.41
2002	78	42,020.20	13,668.09
2003	75	39,811.20	11,864.48
2004	77	39,288.20	7,372.58
2005	79	39,322.20	8,491.16
2006	84	40,986.20	11,746.21
2007	86	41,498.20	7,204.13
2008	85	40,974.20	3,900.71
2009	87	41,510.20	3,908.42
2010	88	41,246.20	2,414.41
2011	87	40,766.20	4,675.06
<i>MAX</i>	92	48,404.00	13,668.09
<i>MIN</i>	75	39,288.20	1,089.00
<i>AVE</i>	79.24	41,602.44	6,680.67

Table 2. Irrigation water use statistics for the Tulare: East James aquifer (Water Rights, 1980-2012)

The total well withdrawal from the aquifer including domestic use is expected to average less than 6,700 acre-feet/year. This total withdrawal from the Tulare: East James aquifer due to pumping is around 0.98% of the estimated recoverable water in storage in the aquifer (6,700 acre-feet pumped per year versus 685,857 acre-feet of recoverable water in storage).

A comparison of the estimated average well withdrawals from the Tulare: East James aquifer (6,700 acre-feet/year) with the estimated average annual recharge rate for the aquifer (7,827 acre-feet/year) shows that approximately 1,127 acre-feet of unappropriated water is available from the Tulare: East James aquifer.

In the past, the Water Management Board has considered the number of additional acres that can be permitted for irrigation given a volume of unappropriated water, as a function of the average irrigation application rate (i.e. inches of water applied per acre) for the aquifer.

The average annual application rate calculated from the total volume of water reported pumped and the total acres reported irrigated for the Tulare: East James aquifer for the period of 1979-2011 is 7.68 inches per year (see Table 3).

Year	Acres Permitted	Acres Irrigated	Irrigated/Permitted Percentage	Total Permits Reporting	Permits Pumping Water	Total Pumped (ac-ft)	Average Application Rate (in/ac/yr)
1979	17113.7	9231	53.94	84	56	5388.25	7.00
1980	17412.7	*	*	*	*	*	*
1981	18561.7	*	*	*	*	*	*
1982	18721.7	*	*	*	*	*	*
1983	18030.7	8441.5	46.82	87	55	6208.44	8.83
1984	17158.7	9032	52.64	87	58	4828.48	6.42
1985	16264.7	8863	54.49	83	56	4638.54	6.28
1986	16264.7	9123	56.09	80	63	5065.92	6.66
1987	15944.7	9385	58.86	77	62	8565.77	10.95
1988	15304.7	10023.5	65.49	76	68	11294.18	13.52
1989	14325	10317.8	72.03	76	59	11491.67	13.37
1990	14835	8969	60.46	75	50	6958.00	9.31
1991	14399	9612.6	66.76	77	60	7797.19	9.73
1992	14215	10717.8	75.40	77	64	3328.84	3.73
1993	14215	5614	39.49	77	34	1122.85	2.40
1994	14095	8113	57.56	67	49	3888.01	5.75
1995	14195	6118	43.10	67	31	2302.63	4.52
1996	14095	10059	71.37	67	59	7180.73	8.57
1997	14095	6885	48.85	67	40	2664.00	4.64
1998	14095	8321.8	59.04	67	51	3473.86	5.01
1999	14095	9610.8	68.19	67	58	4949.86	6.18
2000	14089	10274	72.92	68	62	7524.65	8.79
2001	14087	9984	70.87	69	61	9593.02	11.53
2002	14087	10760.8	76.39	71	62	12767.30	14.24
2003	14351	11684.8	81.42	75	66	11448.20	11.76
2004	13796	11999	86.97	75	71	7168.92	7.17
2005	13887	12083.4	87.01	82	67	8379.21	8.32
2006	14731	12718.8	86.34	86	72	11487.25	10.84
2007	15307	11518.4	75.25	83	66	7116.63	7.41
2008	15307	13533	88.41	84	73	3900.71	3.46
2009	15575	11547.3	74.14	87	63	3908.42	4.06
2010	15443	8161.2	52.85	88	46	2379.06	3.50
2011	15443	8789	56.91	87	49	4675.06	6.38
2012*	15571*						
MAX	18721.70	13533.00	88.41	88.00	73.00	12767.30	14.24
MIN	13796.00	5614.00	39.49	67.00	31.00	1122.85	2.40
AVE	15258.79	9716.38	65.34	77.10	57.70	6383.19	7.68

Table 3. Irrigation development from the Tulare: East James aquifer (*data not available), (modified from Mathiowetz, 2012a)

The analysis of observation well data indicates that the recharge to the Tulare: East James aquifer exceeded the withdrawals from the aquifer by an average of 1,045 acre feet per year from 1980-2011. A comparison of the estimated average annual recharge to the aquifer with the estimated average annual well withdrawals from the aquifer from 1979-2011 shows that 1,127 acre-feet of unappropriated water is available from the Tulare: East James aquifer. Assuming an average irrigation application rate of 7.68 inches per year, an average of 1,633 additional acres could have been irrigated based on the observation well analysis and an average of 1,761 additional acres could have been irrigated based on estimated average annual recharge.

EXISTING WATER RIGHTS:

There have been a total of 164 applications to appropriate water from the Tulare: East James aquifer. The status of the applications is shown in Table 4.

STATUS	NUMBER OF APPLICATIONS
LICENSED	69
PERMITTED	24
INCORPORATED	27
CANCELLED	29
DENIED	9
WITHDRAWN	6

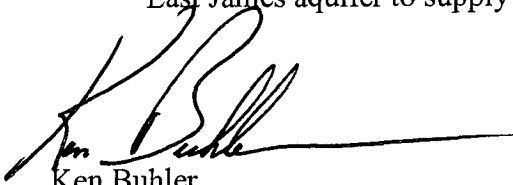
Table 4. Status of water permit applications from the Tulare: East James aquifer

Development from the Tulare: East James aquifer dates back to the mid 1950's and there are currently at least 137 irrigation wells producing from the aquifer. Well interference has never been an issue from the aquifer and it is likely that additional irrigation wells could be completed without unlawfully impairing existing water rights.

CONCLUSIONS:

1. The Tulare: East James aquifer is an extensive, primarily buried, generally confined glacial outwash aquifer.
2. The best information currently available indicates that the Tulare: East James aquifer underlies approximately 123,578 acres of Spink and Beadle Counties.
3. The best information currently available identifies an average annual recharge rate to the Tulare: East James aquifer as approximately 0.76 inches per year.
4. The volume of average annual recharge to the Tulare: East James aquifer based on an area of 123,578 acres and a recharge rate of 0.76 inches per year is approximately 7,827 acre-feet per year.
5. The average annual well withdrawal from the Tulare: East James aquifer is from 1979-2011 estimated to be 6,700 acre-feet per year.
6. The SD DENR-Water Rights Program observation well data documents that over the period of record the potentiometric surface of the Tulare: East James aquifer has averaged an upward trend.
7. The SD DENR-Water Rights Program observation well data documents that well withdrawals from the Tulare: East James aquifer have not had a long term effect on the amount of water in storage in the aquifer.
8. The SD DENR-Water Rights Program observation well data documents that the configuration of the potentiometric surface of the Tulare: East James aquifer has not changed significantly with time or increased development.

9. The SD DENR-Water Rights Program observation well data documents that recharge to the Tulare: East James aquifer has exceeded the discharge from the aquifer by an average of 1,045 acre-feet per year.
10. The average annual irrigation application rate for the Tulare: East James aquifer from 1979-2011 has been 7.68 inches per year.
11. Assuming an average application rate of 7.68 inches per year, an average of 1,761 additional acres could have been irrigated based on a comparison of average annual recharge and average annual well withdrawals
12. Assuming an average application rate of 7.68 inches per year, an average of 1,633 additional acres could have been irrigated based on the observation well analysis of the aquifer.
13. Well interference has never been a problem from the Tulare: East James aquifer and there is a reasonable probability that additional irrigation wells could be completed into the aquifer without adversely impacting existing users.
14. Water permit application Nos. 7295-3, 7316-3, 7348-3, 7364-3, 7365-3, 7366-3, 7367-3, 7368-3, 7369-3, 7370-3 propose to appropriate water to irrigate 1759 acres from the Tulare: East James aquifer.
15. There is a reasonable probability that unappropriated water is available from the Tulare: East James aquifer to supply water for these appropriations.



Ken Buhler
SD DENR-Water Rights Program

REFERENCES:

- Goodman, J.A., 1984, Report on Applications No. 5009-3 Duane Muxen, No. 3178A-3 M.J.T. Inc., and No. 2235A-3 Gary D. Wipf, DENR-Water Rights Program unpublished report in Water Permit Application File No. 5009-3
- Hamilton L.J., and Howells, L.W., 1996, Water Resources of Spink county, South Dakota, U.S. Geological Survey Water-Resources Investigations Report 96-4056, 68 p.
- Hines v. South Dakota Dept. of Environ. and Nat'l. Resources, Hughes County 04-37 (Memorandum Decision, April 29, 2005)
- Kuiper, L.K. 1984, Appraisal of the Water Resources of The Eastern Part of the Tulare Aquifer, Beadle, hand, and Spink Counties, South Dakota: U.S. Geological Survey Water-Resources Investigations Report 84-4078, 52 p.
- Mathiowetz, A.W. 2012. Unpublished data. Pierre, SD.: South Dakota Department of Environment and Natural Resources Water Rights Programs.

SD-Department of Environment and Natural Resources, 2012, 2011 Regional Water Rate Survey, SD-DENR, Joe Foss Bldg. Pierre, SD

“Transmissivity from Specific Capacity.” Aquifer Test Forum sponsored by HydroSOLVE, Inc.
1 August.2012< <http://www.aqtesolv.com/forum/transcap.asp>

Water Permit Application Nos. 6711-3, 6713-3, 6715-3 and 6728-3 (Water Management Board Findings of Fact, Conclusions of Law and Final Decision issued 26 October, 2006)

Water Rights, 1980-2012a, Irrigation Questionnaires 1980-2011, SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD.

Water Rights, 1980-2012b, “Annual Irrigation Summary by Aquifer”: SD DENR-Water Rights Program, Joe Foss Building, Pierre, SD

Water Rights, 2012a, Observation Well Files, SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD.

Water Rights, 2012b, Water Right/Permit Files, SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD.

Water Rights, 2012c, Well Completion Report Files, SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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September 6, 2012

Lenny Peterson
19111 Maple Avenue
Hitchcock SD 57348

Floyd Peterson
209 27th Street NW
Huron SD 57350

Dear Lenny and Oscar:

As you are aware, DENR received a number of water permit applications seeking to appropriate water the Tulare:East James Aquifer in Spink and Beadle County for irrigation. The Chief Engineer has carefully reviewed the staff report on the applications and is recommending approval.

Please find enclosed the staff report, recommendations and public notice of hearing on these ten pending applications. The public notice is set to occur on September 12, 2012 scheduling a October 3, 2012 hearing before the Water Management Board. Petitions to intervene in the hearing process must be filed by September 24, 2012.

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

Sincerely,

Eric Gronlund
Water Rights Program, DENR
605 773-3352
eric.gronlund@state.sd.us

Enclosures

RECEIVED

SEP 21 2012

WATER RIGHTS
PROGRAM
PRINTER'S AFFIDAVIT

STATE OF SOUTH DAKOTA,
COUNTY OF BEADLE: ss.

I, TRISHA NELSON, being duly sworn on oath, say that THE PLAINSMAN is a daily paper published at Huron, Beadle County, South Dakota, and that said newspaper has a bona fide circulation of at least 250 copies daily; that said newspaper has been published within said county for fifty-two consecutive weeks immediately prior to this date, that said newspaper is printed in whole or in part, in an office maintained at said place of publication; that I am Legal Advertising Coordinator of said newspaper and know the facts herein state. The annexed notice headed:

SD ENVIRONMENTAL & NATURAL - WATER PERMIT - WALDNER

was published for one day, in said newspaper, and not in any supplement of the said newspaper, the publication was of the 12TH day **SEPT 2012** That the full **NINETY-SEVEN & 49/000** dollars insures to the benefit of the publisher of said newspaper; that no agreement or understanding for the division thereof has been made with any other person, and that no part thereof has been agreed to be paid to any person whom so ever.

Trisha Nelson

Subscribed and sworn to before me this 20th day of SEPT. 2012.

Ashley Kuehath
Notary Public, South Dakota

My term expires 10/25/17

Legal # 380

F.P. 09-12-12

**NOTICE OF HEARING
on Application Nos.
7365-3 through 7370-3
to Appropriate Water**

Notice is given that Huron Huttrian Brethren, 40068 Huron Colony Lane, Huron SD 57350 has filed the following applications for a water permit.

Application No. 7365-3 proposes to appropriate 1.78 cubic feet of water per second (cfs) from one well to be completed into the Tulare: East James Aquifer (95 feet deep) located in the center of the SW 1/4 Section 20 for irrigation of 132 acres located in the SW 1/4 Section 20; all in T113N-R61W.

Application No. 7366-3 proposes to appropriate 1.78 cfs from one well to be completed into the Tulare: East James Aquifer (95 feet deep) located in the center of the NW 1/4 Section 20 for irrigation of 132 acres located in the NW 1/4 Section 20; all in T113N-R61W.

Application No. 7367-3 proposes to appropriate 1.78 cfs from one well to be completed into the Tulare: East James Aquifer (95 feet deep) located in the center of the NE 1/4 Section 19 for irrigation of 132 acres located in the NE 1/4 Section 19; all in T113N-R61W.

Application No. 7368-3 proposes to appropriate 1.78 cfs from one well to be completed into the Tulare: East James Aquifer (95 feet deep) located in the center of the NW 1/4 Section 19 for irrigation of 132 acres located in the NW 1/4 Section 19; all in T113N-R61W.

Application No. 7369-3 proposes to appropriate 1.78 cfs from one well to be completed into the Tulare: East James Aquifer (95 feet deep) located in the center of the SW

1/4 Section 19 for irrigation of 132 acres located in the SW 1/4 Section 19; all in T113N-R61W.

Application No. 7370-3 proposes to appropriate 1.78 cfs from one well to be completed into the Tulare-East James Aquifer (95 feet deep) located in the center of the SE 1/4 Section 19 for irrigation of 132 acres located in the SE 1/4 Section 19; all in T113N-R61W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application Nos. 7365-3, 7366-3, 7367-3, 7368-3, 7369-3 and 7370-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest.

SDCL 46-2A-4(10) provides that "if the applicant does not contest the recommendation of the Chief Engineer and no petition to oppose the application is received, the Chief Engineer shall act on the application pursuant to the Chief Engineer's recommendations and no hearing may be held before the board, unless the Chief Engineer makes a finding that an application, even if uncontested, presents important issues of public policy or public interest that should be heard by the board." In this case, the Chief Engineer finds that these applications present important issues of public interest that should be heard by the Water Management Board.

The Water Management Board will consider these applications at 10:30 a.m. (CDT) on October 3, 2012 in the Matthew Training Center, Joe Foss Bldg, 523 E. Capitol Ave. Pierre SD. The Chief Engineer's recommendations are not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny these applications based on the facts presented at the public hearing.

Any interested person who intends to participate in the hearing shall file a petition to oppose or support the applica-

tions and the petition shall be filed with BOTH the applicant and Chief Engineer. The applicant must also file a petition if opposed to the Chief Engineer's recommendations. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by September 24, 2012. The petition may be informal, but shall be in writing and shall include a statement describing the petitioner's interest in the applications, the petitioner's reasons for opposing or supporting the applications, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. The hearing is an adversary proceeding and any party has the right to be present at the hearing and to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the hearing and decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law.

The October 3, 2012 hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from the applicant or any person who has filed a petition to oppose or support the applications. The request for an automatic delay must be filed by September 24, 2012. If an automatic delay is requested, the hearing will be rescheduled for a future Board meeting and personal notice will be provided to all petitioners regarding the time, date and location.

Contact Eric Grontund by September 24, 2012 at the above Chief Engineer's address to request copies of the staff report, recommendations, applications or other information. Notice is given to individuals with disabilities that this hearing is being held in a physically accessible place. Please notify the

Department of Environment and Natural Resources at least 48 hours before the hearing if you have a disability for which special arrangements must be made at the hearing. The telephone number for making arrangements is (605) 773-3352.

Under SDCL 1-26-17(7) notices must state that "if the amount in controversy exceeds \$2,500.00 or if a property right may be terminated, any party to the contested case may require the agency to use the Office of Hearing Examiners by giving notice of the request to the agency no later than ten days after service of a notice of hearing issued pursuant to SDCL 1-26-17." This is a Notice of Hearing, service is being provided by publication, and the applicable date to give notice to the Chief Engineer is September 24, 2012. However, since this particular matter is a water permit application and not a monetary controversy in excess of \$2,500.00 or termination of a property right the Chief Engineer disputes the applicability of this provision and maintains that the hearing must be conducted by the Board.

As applicable, the following provides the legal authority and jurisdiction under which the hearing will be held and the particular statutes and rules pertaining to these applications: SDCL 1-26-16 thru 1-26-28; SDCL 46-1-1 thru 46-1-9, 46-1-13 thru 46-1-16; 46-2-3.1, 46-2-9, 46-2-11, 46-2-17; 46-2A-1 thru 46-2A-12, 46-2A-14, 46-2A-15, 46-2A-20, 46-2A-21, 46-2A-23; 46-5-1.1, 46-5-2 thru 46-5-26, 46-5-30.2 thru 46-5-30.4, 46-5-31, 46-5-32 thru 46-5-34.1, 46-5-38 thru 46-5-39, 46-5-46, 46-5-47, 46-5-49; 46-6-1 thru 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14, 46-6-21, 46-6-26; and Board Rules ARSD 74:02:01:01 thru 74:02:01:25.02; 74:02:01:35.01.

Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

No. 380(adv.)
Published once at an approximate cost of \$97.48.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

September 6, 2012

The Plainsman
PO Box 1278
Huron SD 57350

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application Nos. 7365-3, 7366-3, 7367-3, 7368-3, 7369-3 and 7370-3 to Appropriate Water. Please publish the notice once on September 12, 2012. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published and arrange for payment. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Huron Colony, c/o Joey Waldner, 40068 Huron Colony Lane, Huron SD 57350 (Ph # 605-352-5647).

Please send the Water Rights Program an affidavit or the enclosed Proof of Publication form immediately.

The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

Schlaak, Karen

From: Schlaak, Karen
Sent: Thursday, September 06, 2012 12:46 PM
To: Ruby Crandall (rnewman.plainsman@midconetwork.com)
Subject: Notice of Hearing on Application Nos. 7365-3 through 7370-3
Attachments: 7365-70-3generic public wmb.docx

Attached is a Notice of Hearing to be published on September 12, 2012. Please send us the affidavit immediately following publication.

Huron Colony, Joey Waldner, 40068 Huron Colony Lane, Huron SD 57350 (ph #605 352-5647) is responsible for cost of publication.

Please acknowledge receipt of this email.

Thanks,

Karen Schlaak

Water Rights Program

Phone: 605 773-3352

Fax: 605 773-4068

Schlaak, Karen

From: Ruby Crandall <rnewman.plainsman@midconetwork.com>
Sent: Thursday, September 06, 2012 1:14 PM
To: Schlaak, Karen
Subject: Re: Notice of Hearing on Application Nos. 7365-3 through 7370-3

I have received your email.
Thank you.

Ruby Crandall
Creative Services Supervisor

Plainsman/Payday/Print Shop
49 3rd Street SE
Huron, SD 57350

605-353-7412

1-800-859-3045, ext. 412

fax: 605-353-7422

rnewman.plainsman@midconetwork.com

On Sep 6, 2012, at 12:45 PM, <Karen.Schlaak@state.sd.us> <Karen.Schlaak@state.sd.us> wrote:

Attached is a Notice of Hearing to be published on September 12, 2012. Please send us the affidavit immediately following publication.

Huron Colony, Joey Waldner, 40068 Huron Colony Lane, Huron SD 57350 (ph #605 352-5647) is responsible for cost of publication.

Please acknowledge receipt of this email.

Thanks,

Karen Schlaak

Water Rights Program

Phone: 605 773-3352

Fax: 605 773-4068

<7365-70-3generic public wmb.docx>



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

NOTE: TO BE SURE OF PUBLICATION ON
THE CORRECT DATE, CONTACT
THE NEWSPAPER(S) RIGHT AWAY.

September 6, 2012

Huron Colony
Joey Waldner
40068 Huron Colony Lane
Huron SD 57350

Dear Mr. Waldner:

Water Permit Application Nos. 7365-3, 7366-3, 7367-3, 7368-3, 7369-3 and 7370-3 for irrigation use have been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Plainsman printed at Huron SD (Ph # 605-352-6401). You will need to contact the newspaper(s) and authorize publication of this notice. For your information, a copy of the notice, the recommendations of the Chief Engineer and reports on the applications are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper(s) to authorize publication of your Notice and to arrange for payment. Early contact with the paper(s) can eliminate delays. Upon receiving authorization from you, the publisher has been instructed to publish your notice. The newspaper(s) has also been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the applications.

Sincerely,

Eric Gronlund
Natural Resources Engineer
(605) 773-3352

enclosures

NOTE: If you plan to contest any part of the Chief Engineer's recommendation, you must file a petition pursuant to the procedures outlined in the attached notice of hearing. The Water Management Board will then consider your concerns during a hearing on the applications.

Instruction to Newspaper – Publish the Notice on September 12, 2012. The applicant is responsible for payment.

NOTICE OF HEARING on Application Nos. 7365-3 through 7370-3 to Appropriate Water

Notice is given that Huron Colony, c/o Joey Waldner, 40068 Huron Colony Lane, Huron SD 57350 has filed the following applications for a water permit.

Application No. 7365-3 proposes to appropriate 1.78 cubic feet of water per second (cfs) from one well to be completed into the Tulare:East James Aquifer (95 feet deep) located in the center of the SW 1/4 Section 20 for irrigation of 132 acres located in the SW 1/4 Section 20; all in T113N-R61W.

Application No. 7366-3 proposes to appropriate 1.78 cfs from one well to be completed into the Tulare:East James Aquifer (95 feet deep) located in the center of the NW 1/4 Section 20 for irrigation of 132 acres located in the NW 1/4 Section 20; all in T113N-R61W.

Application No. 7367-3 proposes to appropriate 1.78 cfs from one well to be completed into the Tulare:East James Aquifer (95 feet deep) located in the center of the NE 1/4 Section 19 for irrigation of 132 acres located in the NE 1/4 Section 19; all in T113N-R61W.

Application No. 7368-3 proposes to appropriate 1.78 cfs from one well to be completed into the Tulare:East James Aquifer (95 feet deep) located in the center of the NW 1/4 Section 19 for irrigation of 132 acres located in the NW 1/4 Section 19; all in T113N-R61W.

Application No. 7369-3 proposes to appropriate 1.78 cfs from one well to be completed into the Tulare:East James Aquifer (95 feet deep) located in the center of the SW 1/4 Section 19 for irrigation of 132 acres located in the SW 1/4 Section 19; all in T113N-R61W.

Application No. 7370-3 proposes to appropriate 1.78 cfs from one well to be completed into the Tulare:East James Aquifer (95 feet deep) located in the center of the SE 1/4 Section 19 for irrigation of 132 acres located in the SE 1/4 Section 19; all in T113N-R61W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application Nos. 7365-3, 7366-3, 7367-3, 7368-3, 7369-3 and 7370-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest.

SDCL 46-2A-4(10) provides that "if the applicant does not contest the recommendation of the Chief Engineer and no petition to oppose the application is received, the Chief Engineer shall act on the application pursuant to the Chief Engineer's recommendations and no hearing may be held before the board, unless the Chief Engineer makes a finding that an application, even if uncontested, presents important issues of public policy or public interest that should be heard by the board." In this case, the Chief Engineer finds that these applications present important issues of public interest that should be heard by the Water Management Board.

The Water Management Board will consider these applications at 10:30 a.m. (CDT) on October 3, 2012 in the Matthew Training Center, Joe Foss Bldg, 523 E. Capitol Ave. Pierre SD. The Chief Engineer's recommendations are not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny these applications based on the facts presented at the public hearing.

Any interested person who intends to participate in the hearing shall file a petition to oppose or support the applications and the petition shall be filed with BOTH the applicant and Chief Engineer. The applicant must also file a petition if opposed to the Chief Engineer's recommendations. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing

address is given above. A petition filed by either an interested person or the applicant must be filed by September 24, 2012. The petition may be informal, but shall be in writing and shall include a statement describing the petitioner's interest in the applications, the petitioner's reasons for opposing or supporting the applications, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. The hearing is an adversary proceeding and any party has the right to be present at the hearing and to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the hearing and decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law.

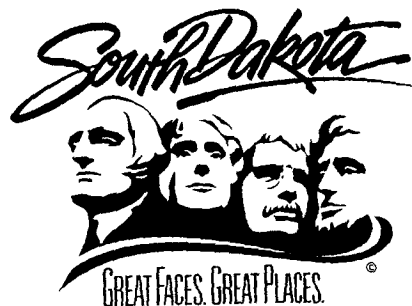
The October 3, 2012 hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from the applicant or any person who has filed a petition to oppose or support the applications. The request for an automatic delay must be filed by September 24, 2012. If an automatic delay is requested, the hearing will be rescheduled for a future Board meeting and personal notice will be provided to all petitioners regarding the time, date and location.

Contact Eric Gronlund by September 24, 2012 at the above Chief Engineer's address to request copies of the staff report, recommendations, applications or other information. Notice is given to individuals with disabilities that this hearing is being held in a physically accessible place. Please notify the Department of Environment and Natural Resources at least 48 hours before the hearing if you have a disability for which special arrangements must be made at the hearing. The telephone number for making arrangements is (605) 773-3352.

Under SDCL 1-26-17(7) notices must state that "if the amount in controversy exceeds \$2,500.00 or if a property right may be terminated, any party to the contested case may require the agency to use the Office of Hearing Examiners by giving notice of the request to the agency no later than ten days after service of a notice of hearing issued pursuant to SDCL 1-26-17." This is a Notice of Hearing, service is being provided by publication, and the applicable date to give notice to the Chief Engineer is September 24, 2012. However, since this particular matter is a water permit application and not a monetary controversy in excess of \$2,500.00 or termination of a property right the Chief Engineer disputes the applicability of this provision and maintains that the hearing must be conducted by the Board.

As applicable, the following provides the legal authority and jurisdiction under which the hearing will be held and the particular statutes and rules pertaining to these applications: SDCL 1-26-16 thru 1-26-28; SDCL 46-1-1 thru 46-1-9, 46-1-13 thru 46-1-16; 46-2-3.1, 46-2-9, 46-2-11, 46-2-17; 46-2A-1 thru 46-2A-12, 46-2A-14, 46-2A-15, 46-2A-20, 46-2A-21, 46-2A-23; 46-5-1.1, 46-5-2 thru 46-5-26, 46-5-30.2 thru 46-5-30.4, 46-5-31 46-5-32 thru 46-5-34.1, 46-5-38 thru 46-5-39, 46-5-46, 46-5-47, 46-5-49; 46-6-1 thru 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14, 46-6-21, 46-6-26; and Board Rules ARSD 74:02:01:01 thru 74:02:01:25.02; 74:02:01:35.01.

Steven M. Pirner, Secretary, Department of Environment and Natural Resources. Published once at an approximate cost of _____.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

September 24, 2012

NOTICE

TO:

William St. Clair
37644 184th Street
Tulare SD 57476

Van Buskirk Farms LLP
c/o Matt Van Buskirk
Box 73
Hitchcock SD 57348

Michael Sentell
18690 398th Avenue
Hitchcock SD 57348

Wipf Acres LP
c/o Gary Wipf
17801 401st Avenue
Frankfort SD 57440

Huron Hutterian Brethren
c/o Joey Waldner
40068 Huron Colony Lane
Huron SD 57350

Lenny Peterson
19111 Maple Avenue
Hitchcock SD 57348

Oscar Inc
c/o Floyd Peterson
209 27th Street NW
Huron SD 57350

Todd D. Wilkinson
Wilkinson & Wilkinson
P.O. Box 29
DeSmet SD 57231

Allen Wipf
40476 184th Street
Doland SD 57436

FROM:

Eric Erbele
Garland Erbele, Chief Engineer
Water Rights Program

SUBJECT: Automatic Delay of Hearing for Water Permit Application Nos. 7295-3, 7316-3, 7348-3, 7364-3 and 7365-3 through 7370-3

Petitions have been submitted opposing Water Permit Application Nos. 7295-3 (St. Clair), 7316-3 (Van Buskirk), 7348-3 (Sentell), 7364-3 (Wipf) and 7365-3 through 7370-3 (Huron Hutterian Brethren). In addition, a petition was submitted specific to Application No. 7364-3. These petitions were in response to the notice of hearing published September 12, 2012 in the Plainsman printed in Huron and/or the Redfield Press. All the petitions are enclosed. The petition filed by counsel for Peterson's also requests an automatic delay of the October 3, 2012 hearing on these water permit applications. Therefore, the hearings on all ten applications are automatically delayed pursuant to SDCL 46-2A-4 and 46-2A-5 and will not be held on October 3, 2012.

DENR anticipates consolidating the applications for the purpose of conducting the hearing since all ten applications propose to appropriate water from the Tulare:East James Aquifer .

The hearing will be scheduled for the December 5 and 6, 2012, Water Management Board meeting tentatively to be held in Pierre. Future notice of the time and place of the hearing will be provided to parties of record.

Please contact Eric Gronlund at (605) 773-3352, if you have any questions.

enclosures

c: Diane Best, Assistant Attorney General

RECEIVED

SEP 24 2012

WATER RIGHTS
PROGRAM

Sept 20 2012

Eric Gronlund

Dear Eric

You have an application coming up on SE $\frac{1}{4}$ - 7 - 115 - 61 our well in SW $\frac{1}{4}$ 17 is on West Side of the Quarter when we started that back in the 1960's the only place that we found any water was on the West Side along the Road after 3 other Test holes in the Quarter we thought it was very good but after we started using it we ended up with the pump at the very bottom 139 ft and we can still pull it way down there after long pump up periods - the wells on SE $\frac{1}{4}$ 17 + NE $\frac{1}{4}$ 20 - all 115 61 don't seem to make any difference if they are running or not. at times we have to leave that well on SW $\frac{1}{4}$ 17 115-61 Rest Then we can go again.

For some reason it doesn't follow the State well on the road east of Sec 7 115-61 - we just don't want to lose the flow of water we do have - we've been making it work fine the way it is.

Thank you
Allen W. B.

WILKINSON & WILKINSON
ATTORNEYS AT LAW
103 JOLIET AVE., S.E. P.O. BOX 29
DE SMET, SOUTH DAKOTA 57231

RECEIVED
SEP 24 2012
WATER RIGHTS
PROGRAM

HARRY J. EGGEN (1922-1969)
ELLSWORTH F. WILKINSON (1955-2005)

TELEPHONE: 605 / 854-3378

TELEFAX: 605 / 854-9006

TODD D. WILKINSON
MARCENE J. SMITH
GARY W. SCHUMACHER*

September 21, 2012

* ALSO LICENSED IN MINNESOTA

Garland Erbele
Chief Engineer
Water Rights Program, SD DENR
Foss Building
523 East Capital
Pierre, South Dakota 57501

RE: Irrigation application for Tulare: East James Aquifer
Water Permit Application Nos. 7316-3, 7348-3, 7364-3, 7365-3, 7366-3,
7367-3, 7368-3, 7369-3, and 7370-3
Petition in Opposition

Dear Mr. Erbele:

Our office represents Lenny Peterson and Oscar Inc., who are a land owners and operators, affected by the issuance of any additional irrigation appropriation in connection with the Tulare: East James Aquifer. This letter is intended as and constitutes a petition in opposition to said Water Permit Application No. 7316-3, Water Permit Application No. 7348-3, Water Permit Application No. 7364-3, Water Permit Application No. 7365-3, Water Permit Application No. 7366-3, Water Permit Application No. 7367-3, Water Permit Application No. 7368-3, Water Permit Application No. 7369-3, and Water Permit Application No. 7370-3, also referred to the irrigation permit,; and is further intended as and constitutes a petition in opposition to the Chief Engineer's recommendation to allow any additional appropriation without consideration of previously filed applications for water appropriation.

In addition the averaging that was done to arrive at available water did not properly consider the Boards previous findings. That if the method is now going to be

changed, previous applications should be afforded notice and opposition to apply and not lose priority in filing.

Please confirm receipt of this petition opposing said application and petition opposing the Chief Engineer's recommendation; and please inform our office of the date, time, and location of the public hearing on said application; as well as any other information that needs to be submitted to your office(s) prior to the public hearing.

We would request a twenty (20) day extension for the hearing. If possible, when rescheduling the hearing could you contact our office to coordinate schedules, that would be great appreciated.

Thank you.

Sincerely,

WILKINSON & WILKINSON

A handwritten signature in black ink, appearing to read 'Todd D. Wilkinson', with a long horizontal line extending to the right.

Todd D. Wilkinson

TDW: mo

Enclosures

cc: Lenny Peterson
Oscar Inc
William St. Clair
Van Buskirk Farms, LLP c/o Matt Van Buskirk
Michael Sentell
Wipf Acres, LP c/o Gary Wipf
Huron Hutterian Brethren c/o Joey Waldner

September 20, 2012

RECEIVED

SEP 21 2012

WATER RIGHTS
PROGRAM

Kevin Marton
South Dakota Department of Transportation
700 East Broadway
Pierre, South Dakota 57501

Garland Erbele
Chief Engineer
Water Rights Program, SD DENR
Foss Building
523 East Capital
Pierre, South Dakota 57501

**RE: Irrigation application for Tulare: East James Aquifer
 Water Permit Application Nos. 7316-3, 7348-3, 7364-3, 7365-3, 7366-3,
 7367-3, 7368-3, 7369-3, and 7370-3
 Petition in Opposition**

Dear Mr. Marton and Mr. Erbele:

I, Lenny Peterson, as a land owner and operator, affected by the issuance of any additional irrigation appropriation in connection with the Tulare: East James Aquifer. This letter is intended as and constitutes a petition in opposition to said Water Permit Application No. 7316-3, Water Permit Application No. 7348-3, Water Permit Application No. 7364-3, Water Permit Application No. 7365-3, Water Permit Application No. 7366-3, Water Permit Application No. 7367-3, Water Permit Application No. 7368-3, Water Permit Application No. 7369-3, and Water Permit Application No. 7370-3, also referred to the irrigation permit,; and is further intended as and constitutes a petition in opposition to the Chief Engineer's recommendation to allow any additional appropriation without consideration of previously filed applications for water appropriation.

In addition the averaging that was done to arrive at available water did not properly consider the Boards previous findings. That if the method is now going to be

changed, previous applications should be afforded notice and opposition to apply and not lose priority in filing.

Please confirm receipt of this petition opposing said application and petition opposing the Chief Engineer's recommendation; and please inform me of the date, time, and location of the public hearing on said application; as well as any other information that needs to be submitted to your office(s) prior to the public hearing.

Thank you.

Sincerely,

A handwritten signature in cursive script, appearing to read "Lenny Peterson".

Lenny Peterson

RECEIVED

SEP 21 2012

WATER RIGHTS
PROGRAM

September 20, 2012

Kevin Marton
South Dakota Department of Transportation
700 East Broadway
Pierre, South Dakota 57501

Garland Erbele
Chief Engineer
Water Rights Program, SD DENR
Foss Building
523 East Capital
Pierre, South Dakota 57501

**RE: Irrigation application for Tulare: East James Aquifer
Water Permit Application Nos. 7316-3, 7348-3, 7364-3, 7365-3, 7366-3,
7367-3, 7368-3, 7369-3, and 7370-3
Petition in Opposition**

Dear Mr. Marton and Mr. Erbele:

Oscar, Inc., as a land owner and operator, affected by the issuance of any additional irrigation appropriation in connection with the Tulare: East James Aquifer. This letter is intended as and constitutes a petition in opposition to said Water Permit Application No. 7316-3, Water Permit Application No. 7348-3, Water Permit Application No. 7364-3, Water Permit Application No. 7365-3, Water Permit Application No. 7366-3, Water Permit Application No. 7367-3, Water Permit Application No. 7368-3, Water Permit Application No. 7369-3, and Water Permit Application No. 7370-3, also referred to the irrigation permit,; and is further intended as and constitutes a petition in opposition to the Chief Engineer's recommendation to allow any additional appropriation without consideration of previously filed applications for water appropriation.

In addition the averaging that was done to arrive at available water did not properly consider the Boards previous findings. That if the method is now going to be

changed, previous applications should be afforded notice and opposition to apply and not lose priority in filing.

That proposed development cannot be done without potentially impairing existing rights.

Please confirm receipt of this petition opposing said application and petition opposing the Chief Engineer's recommendation; and please inform me of the date, time, and location of the public hearing on said application; as well as any other information that needs to be submitted to your office(s) prior to the public hearing.

Thank you.

Sincerely,
Oscar Inc. by Lloyd Peterson
OSCAR INC.

CERTIFICATION

I hereby certify that on September 24, 2012, I have personally deposited with the United States mail at Pierre, South Dakota, first class postage, prepaid envelopes containing a Notice dated September 24, 2012, regarding automatic delay of hearing on Water Right Permit Application Nos. 7295-3, 7316-3, 7348-3, 7364-3 and 7365-3 through 7370-3 with enclosures, as addressed below:

William St. Clair
37644 184th Street
Tulare SD 57476

Van Buskirk Farms LLP
c/o Matt Van Buskirk
Box 73
Hitchcock SD 57348

Michael Sentell
18690 398th Avenue
Hitchcock SD 57348

Wipf Acres LP
c/o Gary Wipf
17801 401st Avenue
Frankfort SD 57440

Huron Hutterian Brethren
c/o Joey Waldner
40068 Huron Colony Lane
Huron SD 57350

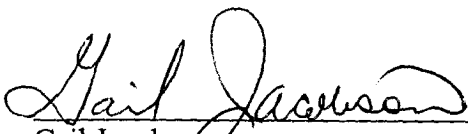
Lenny Peterson
19111 Maple Avenue
Hitchcock SD 57348

Oscar Inc
c/o Floyd Peterson
209 27th Street NW
Huron SD 57350

Todd D. Wilkinson
Wilkinson & Wilkinson
P.O. Box 29
DeSmet SD 57231

Allen Wipf
40476 184th Street
Doland SD 57436

Diane Best, Assistant Attorney General
317 N Main
Sioux Falls SD 57104

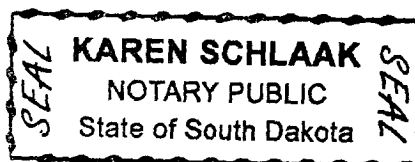


Gail Jacobson
Water Rights Program, DENR

STATE OF SOUTH DAKOTA)
) SS
COUNTY OF HUGHES)

Sworn to, before me, this 24th day of September, 2012.


Karen Schlaak
Notary Public
My Commission expires April 1, 2013





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

November 9, 2012

denr.sd.gov

NOTICE

TO: Van Buskirk Farms LLP
c/o Matt Van Buskirk
Box 73
Hitchcock SD 57348

Michael Sentell
18690 398th Avenue
Hitchcock SD 57348

Allen Wipf
40476 184th Street
Doland SD 57436

Oscar Inc
c/o Floyd Peterson
209 27th Street NW
Huron SD 57350

Huron Hutterian Brethren
c/o Joey Waldner
40068 Huron Colony Lane
Huron SD 57350

Wipf Acres LP
c/o Gary Wipf
17801 401st Avenue
Frankfort SD 57440

Lenny Peterson
19111 Maple Avenue
Hitchcock SD 57348

Todd D. Wilkinson
Wilkinson & Wilkinson
P.O. Box 29
DeSmet SD 57231

FROM: Garland Erbele, Chief Engineer
Water Rights Program

SUBJECT: Scheduling of Hearing for Water Permit Application Nos. 7316-3,
7348-3, 7364-3 and 7365-3 through 7370-3

The Water Rights Program received petitions filed opposing the Chief Engineer's recommendation and requesting an automatic delay in the matter of the Water Permit Application Nos. 7316-3 (Van Buskirk), 7348-3 (Sentell), 7364-3 (Wipf) and 7365-3 through 7370-3 (Huron Hutterian Brethren). The petitions were in response to the notice of hearing published September 12, 2012 in the Plainsman printed in Huron and/or the Redfield Press. The hearing scheduled for October 3, 2012 was postponed and is now to be scheduled for the Water Management Board's December 6, 2012 meeting.

The Water Management Board will consider the Water Permit Application Nos. 7316-3 (Van Buskirk), 7348-3 (Sentell), 7364-3 (Wipf) and 7365-3 through 7370-3 (Huron Hutterian Brethren) at 1:00 PM, December 6, 2012 meeting in the Floyd Matthew Training Center, Joe Foss Building, 523 E. Capitol Avenue, Pierre SD.

Water Permit Application No. 7295-3 filed by William St. Clair seeking to appropriate water from the Tulare:East James Aquifer is also scheduled to be heard at this same time. Application No. 7295-3 is not contested.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Program recommending APPROVAL of Application Nos. 7316-3 (Van Buskirk), 7348-3 (Sentell), 7364-3 (Wipf) and 7365-3 through 7370-3 (Huron Hutterian Brethren) because 1) the Water Rights Program evaluated the availability of water in the aquifer and determined that there is a reasonable probability that there is unappropriated water available from the Tulare:East James Aquifer, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to 1) approve, 2) deny, 3) defer or 4) take no action after it reaches a conclusion based upon facts presented at the public hearing.

This hearing is an adversarial proceeding. Parties have the right to be represented by a lawyer and may present evidence or cross-examine witnesses according to SDCL 1-26. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law.

Enclosed is a copy of DENR's staff report, the Chief Engineer's recommendations, affidavit of publications, petitions and the September 24, 2012 notice of autodelay. State law directs the Chief Engineer to provide Water Management Board members with a copy of all pleadings including petitions for each proceeding. This same information will be sent to the Board members in advance of the hearing. In addition, enclosed are two documents intended to acquaint parties with the hearing process entitled "Procedure for Hearings before the Water Management Board" and "Summary of South Dakota Water Laws and Rules". You are encouraged to review these documents prior to the hearing.

As applicable, the following provides the legal authority and jurisdiction under which the hearing will be held and the particular statutes and rules pertaining to this application: SDCL 1-26-16 thru 1-26-28; SDCL 46-1-1 thru 46-1-9, 46-1-13 thru 46-1-16; 46-2-3.1, 46-2-9, 46-2-11, 46-2-17; 46-2A-1 thru 46-2A-12, 46-2A-14, 46-2A-15, 46-2A-20, 46-2A-21, 46-2A-23; 46-5-1.1, 46-5-2 thru 46-5-26, 46-5-30.2 thru 46-5-30.4, 46-5-31, 46-5-32 thru 46-5-34.1, 46-5-38 thru 46-5-39, 46-5-46, 46-5-47, 46-5-49; 46-6-1 thru 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14, 46-6-21, 46-6-26; and Board Rules ARSD 74:02:01:01 thru 74:02:01:24.01.

Questions regarding the hearing process may be directed to Eric Gronlund at (605) 773-3352 or Diane Best, Assistant Attorney General at (605) 367-5880 ext 105. In addition, please notify the Department of Environment and Natural Resources at least 48 hours before the hearing if you have a disability for which special arrangements must be made at the hearing.

enclosures

c: Diane Best, Assistant Attorney General

CERTIFICATION

I hereby certify that on November 9, 2012, I have personally deposited with the United States mail at Pierre, South Dakota, first class postage, prepaid envelopes containing a Notice dated November 9, 2012, regarding automatic delay of hearing on Water Right Permit Application Nos. 7316-3, 7348-3, 7364-3 and 7365-3 through 7370-3 with enclosures, as addressed below:

Diane Best, Assistant Attorney General
300 N Dakota Avenue, Suite 403
Sioux Falls SD 57104

Van Buskirk Farms LLP
c/o Matt Van Buskirk
Box 73
Hitchcock SD 57348

Michael Sentell
18690 398th Avenue
Hitchcock SD 57348

Wipf Acres LP
c/o Gary Wipf
17801 401st Avenue
Frankfort SD 57440

Huron Hutterian Brethren
c/o Joey Waldner
40068 Huron Colony Lane
Huron SD 57350

Lenny Peterson
19111 Maple Avenue
Hitchcock SD 57348

Oscar Inc
c/o Floyd Peterson
209 27th Street NW
Huron SD 57350

Todd D. Wilkinson
Wilkinson & Wilkinson
P.O. Box 29
DeSmet SD 57231

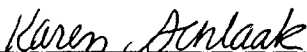
Allen Wipf
40476 184th Street
Doland SD 57436



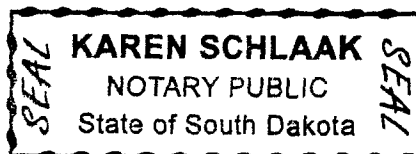
Gail Jacobson
Water Rights Program, DENR

STATE OF SOUTH DAKOTA)
) SS
COUNTY OF HUGHES)

Sworn to, before me, this 9th day of November, 2012.



Karen Schlaak
Notary Public
My Commission expires April 1, 2013



RECEIVED

SEP 24 2012

WATER RIGHTS
PROGRAM

Sept 20 2012

Eric Gronlund

Dear Eric

You have an application coming up on SE $\frac{1}{4}$ - 7 - 115-61 our well in SW $\frac{1}{4}$ 17 is on west side of the Quarter when we started that back in the 1960's the only place that we found any water was on the west side along the Road after 3 other test holes in the Quarter we thought it was very good but after we started using it we ended up with the pump at the very bottom 139ft and we can still pull it way down there after long pumping periods - the wells on SE $\frac{1}{4}$ 17 + NE $\frac{1}{4}$ 20 - all 115 61 don't seem to make any difference if they are running or not. at times we have to leave that well on SW $\frac{1}{4}$ 17 115-61 Rest Then we can go again.

For some reason it doesn't follow the state well on the road east of Sec 7 115-61 - we just don't want to lose the flow of water we do have - we've been making it work fine the way it is.

Thank you
Allen Wipf

WILKINSON & WILKINSON
ATTORNEYS AT LAW
103 JOLIET AVE., S.E. P.O. BOX 29
DE SMET, SOUTH DAKOTA 57231

RECEIVED
SEP 24 2012
WATER RIGHTS
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TELEPHONE: 605 / 854-3378

TELEFAX: 605 / 854-9006

HARRY J. EGGEN (1922-1969)
ELLSWORTH F. WILKINSON (1955-2005)

TODD D. WILKINSON
MARCENE J. SMITH
GARY W. SCHUMACHER*

September 21, 2012

* ALSO LICENSED IN MINNESOTA

Garland Erbele
Chief Engineer
Water Rights Program, SD DENR
Foss Building
523 East Capital
Pierre, South Dakota 57501

**RE: Irrigation application for Tulare: East James Aquifer
Water Permit Application Nos. 7316-3, 7348-3, 7364-3, 7365-3, 7366-3,
7367-3, 7368-3, 7369-3, and 7370-3
Petition in Opposition**

Dear Mr. Erbele:

Our office represents Lenny Peterson and Oscar Inc., who are a land owners and operators, affected by the issuance of any additional irrigation appropriation in connection with the Tulare: East James Aquifer. This letter is intended as and constitutes a petition in opposition to said Water Permit Application No. 7316-3, Water Permit Application No. 7348-3, Water Permit Application No. 7364-3, Water Permit Application No. 7365-3, Water Permit Application No. 7366-3, Water Permit Application No. 7367-3, Water Permit Application No. 7368-3, Water Permit Application No. 7369-3, and Water Permit Application No. 7370-3, also referred to the irrigation permit,; and is further intended as and constitutes a petition in opposition to the Chief Engineer's recommendation to allow any additional appropriation without consideration of previously filed applications for water appropriation.

In addition the averaging that was done to arrive at available water did not properly consider the Boards previous findings. That if the method is now going to be

changed, previous applications should be afforded notice and opposition to apply and not lose priority in filing.

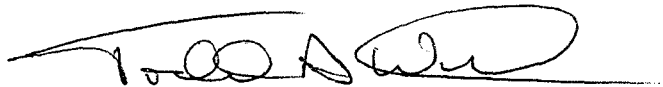
Please confirm receipt of this petition opposing said application and petition opposing the Chief Engineer's recommendation; and please inform our office of the date, time, and location of the public hearing on said application; as well as any other information that needs to be submitted to your office(s) prior to the public hearing.

We would request a twenty (20) day extension for the hearing. If possible, when rescheduling the hearing could you contact our office to coordinate schedules, that would be great appreciated.

Thank you.

Sincerely,

WILKINSON & WILKINSON

A handwritten signature in black ink, appearing to read 'Todd D. Wilkinson', written over a horizontal line.

Todd D. Wilkinson

TDW: mo

Enclosures

cc: Lenny Peterson
Oscar Inc
William St. Clair
Van Buskirk Farms, LLP c/o Matt Van Buskirk
Michael Sentell
Wipf Acres, LP c/o Gary Wipf
Huron Hutterian Brethren c/o Joey Waldner

September 20, 2012

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SEP 21 2012

WATER RIGHTS
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Kevin Marton
South Dakota Department of Transportation
700 East Broadway
Pierre, South Dakota 57501

Garland Erbele
Chief Engineer
Water Rights Program, SD DENR
Foss Building
523 East Capital
Pierre, South Dakota 57501

**RE: Irrigation application for Tulare: East James Aquifer
Water Permit Application Nos. 7316-3, 7348-3, 7364-3, 7365-3, 7366-3,
7367-3, 7368-3, 7369-3, and 7370-3
Petition in Opposition**

Dear Mr. Marton and Mr. Erbele:

I, Lenny Peterson, as a land owner and operator, affected by the issuance of any additional irrigation appropriation in connection with the Tulare: East James Aquifer. This letter is intended as and constitutes a petition in opposition to said Water Permit Application No. 7316-3, Water Permit Application No. 7348-3, Water Permit Application No. 7364-3, Water Permit Application No. 7365-3, Water Permit Application No. 7366-3, Water Permit Application No. 7367-3, Water Permit Application No. 7368-3, Water Permit Application No. 7369-3, and Water Permit Application No. 7370-3, also referred to the irrigation permit,; and is further intended as and constitutes a petition in opposition to the Chief Engineer's recommendation to allow any additional appropriation without consideration of previously filed applications for water appropriation.

In addition the averaging that was done to arrive at available water did not properly consider the Boards previous findings. That if the method is now going to be

changed, previous applications should be afforded notice and opposition to apply and not lose priority in filing.

Please confirm receipt of this petition opposing said application and petition opposing the Chief Engineer's recommendation; and please inform me of the date, time, and location of the public hearing on said application; as well as any other information that needs to be submitted to your office(s) prior to the public hearing.

Thank you.

Sincerely,

A handwritten signature in cursive script, appearing to read "Lenny Peterson".

Lenny Peterson

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SEP 21 2012

WATER RIGHTS
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September 20, 2012

Kevin Marton
South Dakota Department of Transportation
700 East Broadway
Pierre, South Dakota 57501

Garland Erbele
Chief Engineer
Water Rights Program, SD DENR
Foss Building
523 East Capital
Pierre, South Dakota 57501

**RE: Irrigation application for Tulare: East James Aquifer
Water Permit Application Nos. 7316-3, 7348-3, 7364-3, 7365-3, 7366-3,
7367-3, 7368-3, 7369-3, and 7370-3
Petition in Opposition**

Dear Mr. Marton and Mr. Erbele:

Oscar, Inc., as a land owner and operator, affected by the issuance of any additional irrigation appropriation in connection with the Tulare: East James Aquifer. This letter is intended as and constitutes a petition in opposition to said Water Permit Application No. 7316-3, Water Permit Application No. 7348-3, Water Permit Application No. 7364-3, Water Permit Application No. 7365-3, Water Permit Application No. 7366-3, Water Permit Application No. 7367-3, Water Permit Application No. 7368-3, Water Permit Application No. 7369-3, and Water Permit Application No. 7370-3, also referred to the irrigation permit,; and is further intended as and constitutes a petition in opposition to the Chief Engineer's recommendation to allow any additional appropriation without consideration of previously filed applications for water appropriation.

In addition the averaging that was done to arrive at available water did not properly consider the Boards previous findings. That if the method is now going to be

changed, previous applications should be afforded notice and opposition to apply and not lose priority in filing.

That proposed development cannot be done without potentially impairing existing rights.

Please confirm receipt of this petition opposing said application and petition opposing the Chief Engineer's recommendation; and please inform me of the date, time, and location of the public hearing on said application; as well as any other information that needs to be submitted to your office(s) prior to the public hearing.

Thank you.

Sincerely,
Oscar Inc. by Lloyd Peterson
OSCAR INC.

REPORT TO THE CHIEF ENGINEER
ON
WATER PERMIT APPLICATION NO. 7295-3, WILLIAM F. ST. CLAIR
NO. 7316-3, VAN BUSKIRK FARMS LLP
NO. 7348-3, MICHAEL SENTELL
NO. 7364-3, WIPF ACRES LP
NO. 7365-3, HURON COLONY
NO. 7366-3, HURON COLONY
NO. 7367-3, HURON COLONY
NO. 7368-3, HURON COLONY
NO. 7369-3, HURON COLONY
AND
NO. 7370-3, HURON COLONY
AUGUST 23, 2012

Water Permit Application No. 7295-3 proposes to appropriate water at a maximum diversion rate of 1.78 cubic feet of water per second (cfs) from one well approximately 90 feet deep, to be completed into the Tulare: East James aquifer. The well is to be located in the NW¼ of Section 30, T117N-R61W and the water is to be used to irrigate 120 acres located in the NW¼ of Section 30, T117N-R61W. This application was deferred by the Water Management Board on March 7, 2012 to allow time to determine the availability of water from the Tulare: East James aquifer.

Water Permit Application No. 7316-3 proposes to appropriate water at a maximum diversion rate of 4.5 cfs from two wells, approximately 80 feet deep, to be completed into the Tulare: East James aquifer. The wells are to be located in the W½ of Section 12, T114N-R62W and the water is to be used to irrigate 272 acres located in the W½ of Section 12, T114N-R62W. This application was deferred by the Water Management Board on May 2, 2012 to allow time to determine the availability of water from the Tulare: East James aquifer.

Water Permit Application No. 7348-3 proposes to appropriate water at a maximum diversion rate of 5.33 cfs from a gravel pit completed into the Tulare: East James aquifer located in the NE¼ SW¼ of Section 14, T114N-R62W. The water is to be used to irrigate 440 acres located in the NW¼ of Section 13, and the NW¼, W½ SE¼, SE¼SW¼ of Section 14; all of T114N-R62W. The Chief Engineer originally recommended deferral of this application to allow time to determine the availability of water from the Tulare: East James aquifer.

Water Permit Application No. 7364-3 proposes to appropriate water at a maximum diversion rate of 1.93 cfs from one well, approximately 100 feet deep, completed into the Tulare: East James aquifer. The well is to be located in the center of the SE¼ of Section 7, T115N-R61W and the water is to be used to irrigate 135 acres located in the SE¼ of Section 7, T115N-R61W.

Water Permit Application No. 7365-3 proposes to appropriate water at a maximum diversion rate of 1.78 cfs from one well, approximately 95 feet deep, completed into the Tulare: East James aquifer. The well is to be located in the center of the SW¼ of Section 20, T113N-R61W and the water is to be used to irrigate 132 acres located in the SW¼ of Section 20, T113N-R61W.

Water Permit Application No. 7366-3 proposes to appropriate water at a maximum diversion rate of 1.78 cfs from one well, approximately 95 feet deep, completed into the Tulare: East James aquifer. The well is to be located in the center of the NW¼ of Section 20, T113N-R61W and the water is to be used to irrigate 132 acres located in the NW¼ of Section 20, T113N-R61W.

Water Permit Application No. 7367-3 proposes to appropriate water at a maximum diversion rate of 1.78 cfs from one well, approximately 95 feet deep, completed into the Tulare: East James aquifer. The well is to be located in the center of the NE¼ of Section 19, T113N-R61W and the water is to be used to irrigate 132 acres located in the NE¼ of Section 19, T113N-R61W.

Water Permit Application No. 7368-3 proposes to appropriate water at a maximum diversion rate of 1.78 cfs from one well, approximately 95 feet deep, completed into the Tulare: East James aquifer. The well is to be located in the center of the NW¼ of Section 19, T113N-R61W and the water is to be used to irrigate 132 acres located in the NW¼ of Section 19, T113N-R61W.

Water Permit Application No. 7369-3 proposes to appropriate water at a maximum diversion rate of 1.78 cfs from one well, approximately 95 feet deep, completed into the Tulare: East James aquifer. The well is to be located in the center of the SW¼ of Section 19, T113N-R61W and the water is to be used to irrigate 132 acres located in the SW¼ of Section 19, T113N-R61W.

Water Permit Application No. 7370-3 proposes to appropriate water at a maximum diversion rate of 1.78 cfs from one well, approximately 95 feet deep, completed into the Tulare: East James aquifer. The well is to be located in the center of the SE¼ of Section 19, T113N-R61W and the water is to be used to irrigate 132 acres located in the SE¼ of Section 19, T113N-R61W.

AQUIFER: East James management unit of the Tulare aquifer (T:EJ)

GEOLOGY AND AQUIFER CHARACTERISTICS:

The Tulare East James aquifer is a system of interconnected sand and gravel layers that were deposited as outwash by meltwater from receding glaciers. The sands and gravels that make up the Tulare: East James aquifer were deposited on bedrock (Pierre Shale or Niobrara Formation), or on glacial till, and generally occur between 1,130 - 1,270 feet above mean sea level (msl). Wells completed into the aquifer are typically less than 130 feet deep (Water Rights 2012b; Water Rights 2012c). Although the saturated thickness of the Tulare: East James aquifer is estimated to be 37 feet in Spink County (Hamilton and Howells, 1996), the thickness of this outwash deposit is variable with a maximum exceeding 75 feet ("Lithologic Logs Database"; Water Rights, 2012b; Water Rights, 2012c). The aquifer underlies approximately 123,578 acres of Spink and Beadle Counties. Assuming an average thickness of 37 feet and a specific yield of 0.15, the aquifer contains approximately 685,857 acre-feet of recoverable water in storage. The Tulare: East James aquifer is buried over most of its area and is predominately under confined conditions. The water levels of wells completed into the Tulare: East James aquifer range from more than 50 feet below grade to above ground surface (i.e. free flowing wells). Based on the SD DENR-Water Rights Program observation well water level data (Water Rights, 2012a), groundwater movement in the aquifer is generally from east to west although there is northwest to southeast flow component in the northwest portion of the aquifer.

SDCL 46-2A-9

Pursuant to SDCL 46-2A-9, a permit to appropriate water may be issued only 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 rights and that the proposed use is a beneficial use and in the public interest.

WATER AVAILABILITY:

The probability of unappropriated water being available from the Tulare: East James aquifer can be evaluated by considering SDCL 46-6-3.1 which requires "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 water to the groundwater source."

In applying SDCL 46-6-3.1, the Sixth Judicial Circuit Court ruled in 2005 that if the Water Management Board uses average annual recharge, then it should also use average annual withdrawals to determine if unappropriated water is available from the aquifer (*Hines v. South Dakota Dept. of Environ. and Nat'l. Resources, Hughes County 04-37* (Memorandum Decision, April 29, 2005)).

The availability of unappropriated water from the Tulare: East James aquifer was evaluated based on observation well data and through consideration of a hydrologic budget for the aquifer.

OBSERVATION WELL DATA:

The analysis of observation well data provides a qualitative means of assessing the aquifer and provides the best information available to evaluate the Tulare: East James aquifer. In addition, Administrative Rule of South Dakota Section 74:02:05:07 requires that "the Water Management Board shall rely upon the record of observation well measurements to determine that the quantity of water withdrawn annually from the aquifer does not exceed the estimated average annual recharge to the aquifer."

The DENR-Water Rights Program monitors 34 observation wells completed into the Tulare: East James aquifer (Water Rights, 2012a) (see figure 1). Hydrographs for four of these observation wells are shown in Figures 2-5. The hydrographs are representative for the Tulare: East James aquifer and show that the aquifer readily responds to climatic conditions, with rising water levels during wet years and declining water levels during dry years.

The analysis of the DENR-Water Rights Program observation well data provides the best information reasonably available to evaluate withdrawals from an aquifer as compared with recharge to the aquifer. Observation well data showing a steady, continual decline of the aquifer's water level or artesian pressure could indicate that withdrawals from an aquifer were exceeding recharge. In addition, water level fluctuations in an aquifer dominated by the influences of well withdrawals, or a change in the configuration of the potentiometric surface could indicate that well withdrawals are a significant component in the system relative to recharge and/or natural discharge. Examination of the observation well data to consider long term water level trends, any influences of well withdrawals and the configuration of the potentiometric surface of the aquifer are discussed below.

Observation well water level trends:

A rising water level in an aquifer indicates that recharge to the aquifer exceeds withdrawals from the aquifer and conversely a declining water level is indicative of withdrawals exceeding recharge. An equation for this relationship is:

$$\Delta S = R - D$$

Where: ΔS = change in the volume of water in storage in the aquifer

R= Recharge

D= Discharge

The observation well data for the Tulare: East James aquifer has documented upward trending water levels throughout the aquifer. The average slope of linear trend lines for observation well hydrographs over each well's period of record has been +0.000726 feet per day (+0.265 feet per year). The period of record extends back to 1967 for six observation wells and back to 1963 for two observation wells. With the exception of SP-82A and SP-82B which were installed in 1982, all of the observation wells have records from 1980 to present. The average slope of linear trend lines for observation well hydrographs for the 32 wells with records from 1980-2012 is +0.0008844 feet per day (+0.323 feet per year). The upward trending water levels indicate recharge to the Tulare: East James aquifer has likely been greater than the total of the discharges from the aquifer over the period of record.

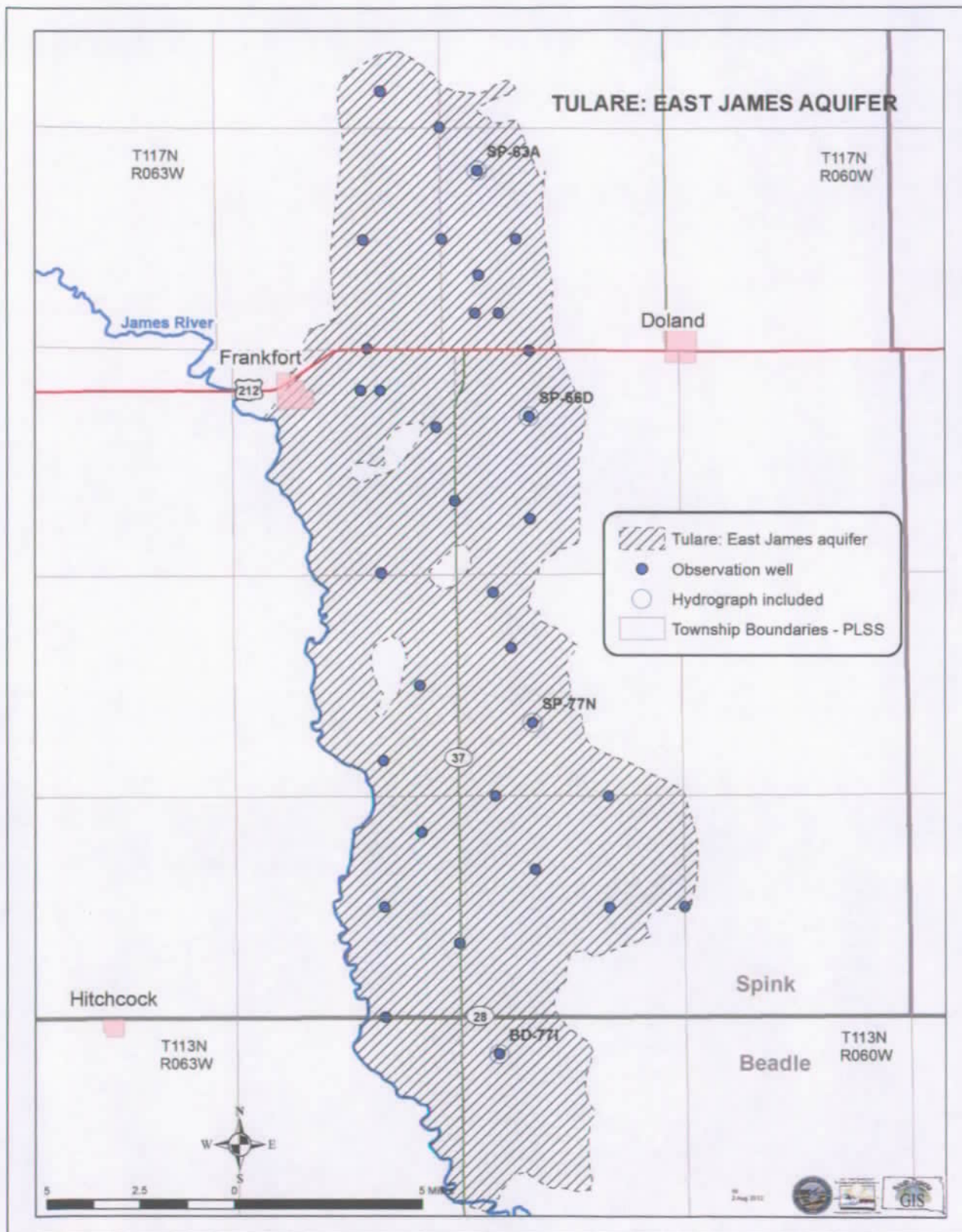


Figure 1. Location of the Tulare: East James aquifer

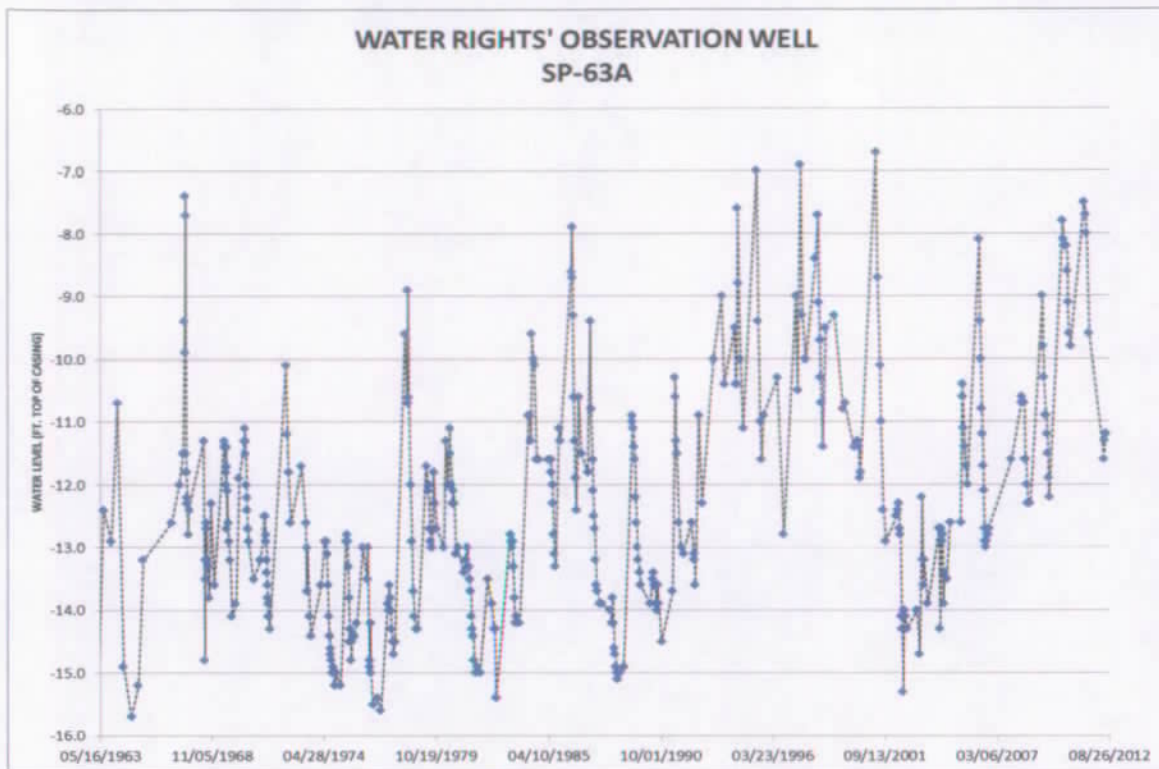


Figure 2. Hydrograph of DENR-Water Rights' observation well SP-63A. (see Figure 1 for location)

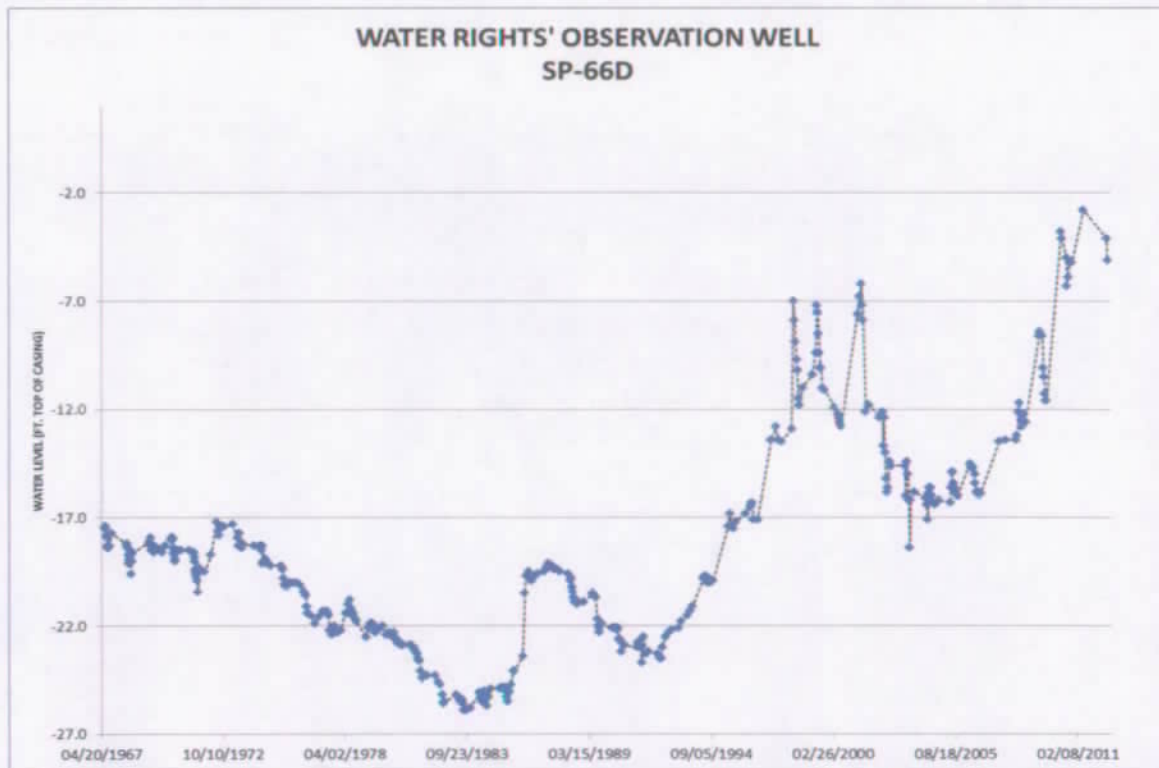


Figure 3. Hydrograph of DENR-Water Rights' observation well SP-66D (see Figure 1 for location)

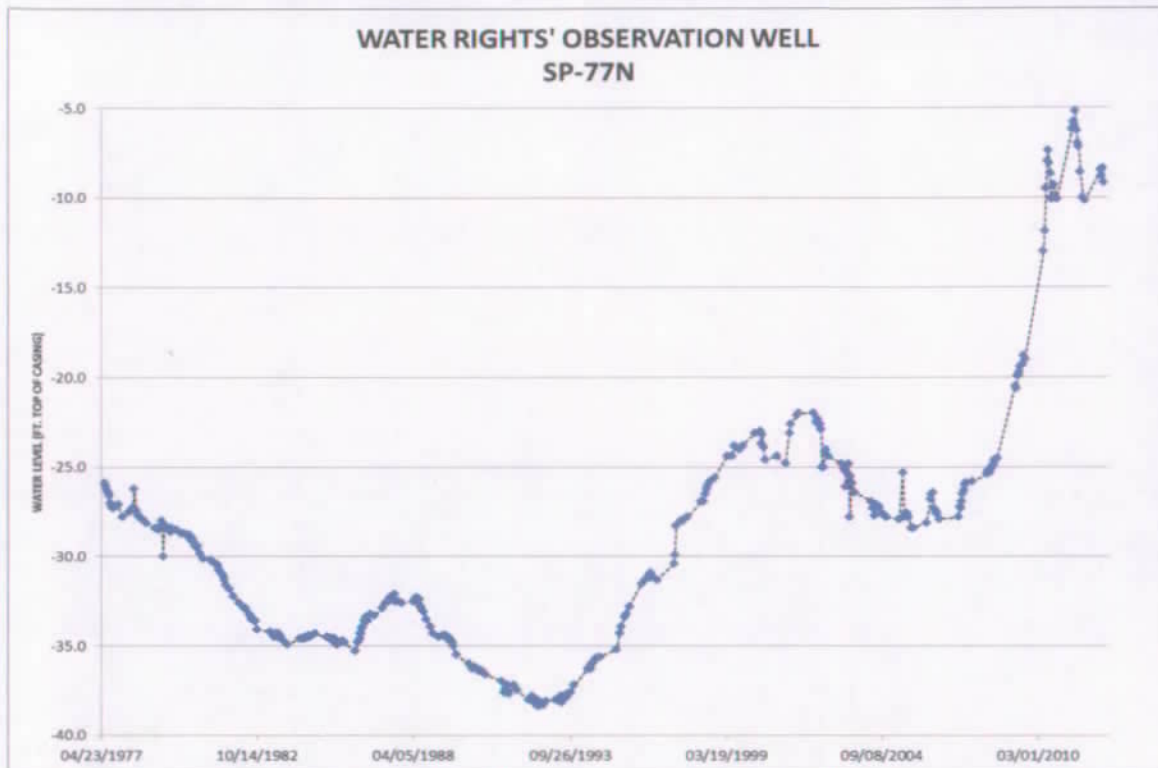


Figure 4. Hydrograph of DENR-Water Rights' observation well SP-77N (see Figure 1 for location)

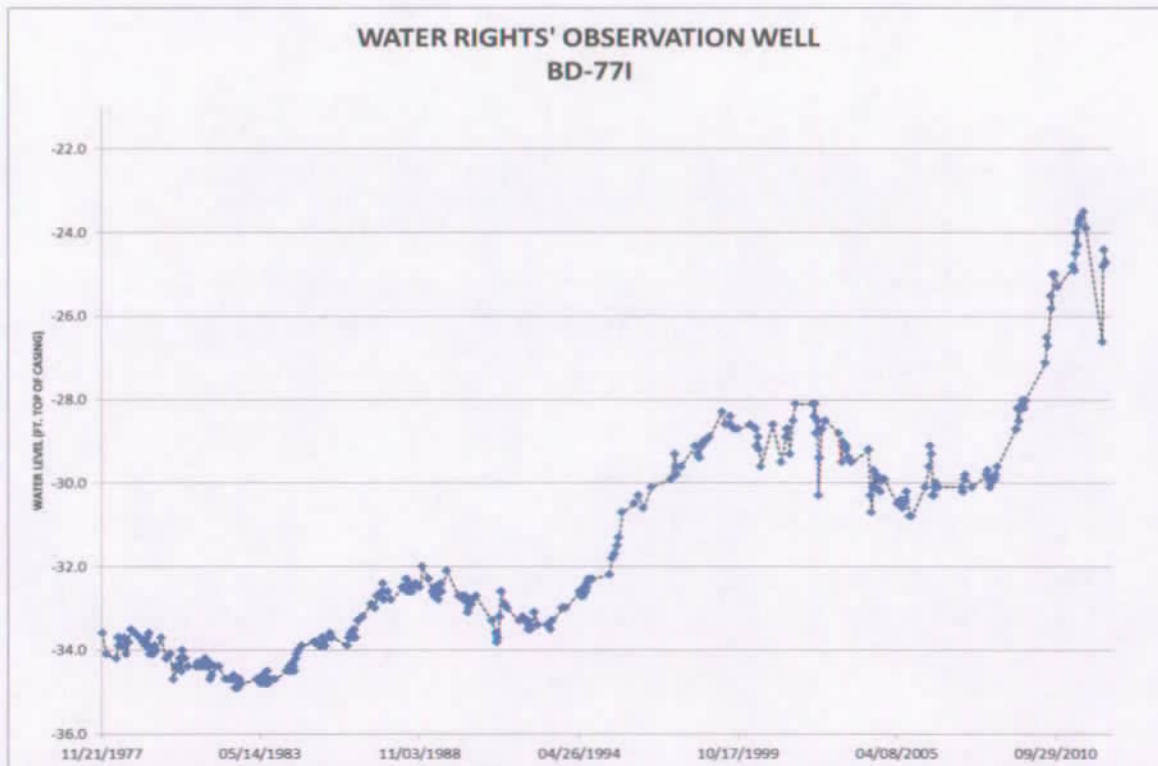


Figure 5. Hydrograph of DENR-Water Rights' observation well BD-77I (see Figure 1 for location)

An analysis of observation well hydrographs was used to quantify the change in volume of water in storage in the aquifer. The analysis involved identifying observation wells completed into the unconfined portion of the Tulare: East James aquifer and determining the change of the water level in each well for every year. The amount of water represented by a change in water level was determined by multiplying the water level change by the aquifer's specific yield (0.15) (Kuiper, 1984). The average change in storage was applied over the portion of the aquifer that is under unconfined conditions to determine the volume in acre-feet per year of the change in storage.

This analysis is restricted to observation wells completed into an area where the aquifer is under unconfined conditions. The hydrograph shown in Figure 6, for an observation well that is completed in a portion of the Tulare: East James aquifer that was under unconfined conditions from 1977-2009 but became confined in 2009 when the water level was -22.1 feet from the top of the casing. The hydrograph shows fairly well the difference between changes in the amount of water in storage in the aquifer (pre-2009) and changes of the "pressure" of the aquifer (post-2009).

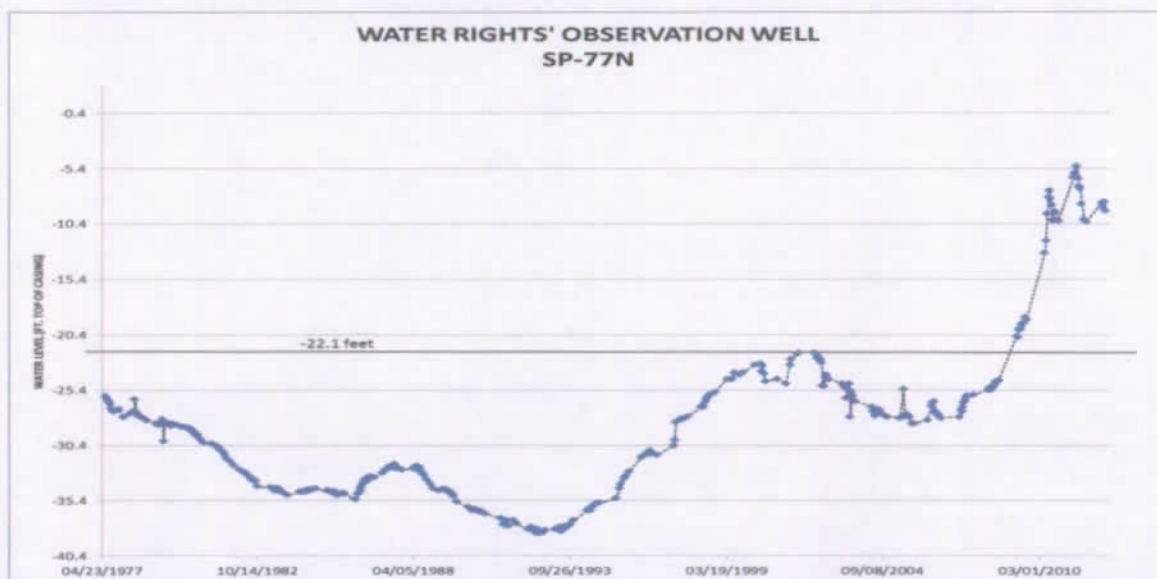


Figure 6. Hydrograph showing the difference between an unconfined aquifer and a confined aquifer.

Seven DENR-Water Rights' observation wells were used to analyze the Tulare: East James aquifer. These wells were chosen because they were in portions of the aquifer that remained unconfined for their entire period of record and the wells were determined to accurately reflect aquifer conditions. Although three of these observation wells have data older than 1980, the time period used for analysis was 1980-2011 to maximize the record-years of data. The results of the analysis are shown in Table 1.

WATER YEAR	ANNUAL WATER LEVEL CHANGE (ft) per OBSERVATION WELL							AVERAGE (ft/yr)
	SP-77J	SP-77P	SP-79G	SP-79H	SP-79K	SP-79O	SP-80K	
1980	-0.4	-0.3	-2.0	-0.8	-0.5	-0.1	-0.8	-0.7
1981	-0.9	-0.4	-1.3	-1.0	-0.3	-0.2	-0.9	-0.7
1982	-0.9	-0.4	0.7	-0.4	-0.3	0.3	-1.4	-0.3
1983	-0.5	0.0	0.6	-0.4	0.0	0.2	-0.9	-0.1
1984	0.6	0.6	1.4	0.7	0.7	0.8	-0.2	0.7
1985	0.7	0.1	0.0	0.3	0.0	-0.5	-0.2	0.1
1986	1.4	0.5	1.9	1.6	1.0	1.0	1.1	1.2
1987	0.5	0.2	-0.5	0.1	-0.4	-0.7	0.5	0.0
1988	-0.6	-0.1	-1.8	-0.6	-0.2	-0.2	-0.1	-0.5
1989	-1.0	-0.2	-0.4	-0.7	-0.2	0.0	-1.4	-0.6
1990	-0.9	-0.4	-0.4	-0.4	-0.4	-0.3	-1.2	-0.6
1991	-0.4	-0.2	0.5	-0.1	-0.1	0.1	-0.6	-0.1
1992	-0.5	-0.4	-0.1	-0.2	-0.1	-0.2	0.1	-0.2
1993	0.6	0.3	2.0	0.6	0.5	1.3	1.5	1.0
1994	0.4	0.4	1.2	1.3	0.4	-0.3	-0.3	0.4
1995	1.6	1.8	1.5	1.6	2.3	1.1	1.4	1.6
1996	1.0	1.0	-0.6	0.4	-0.4	-0.5	0.5	0.2
1997	1.9	1.5	2.8	2.2	2.0	1.1	2.2	2.0
1998	1.9	0.9	-0.4	0.9	0.1	-0.8	1.5	0.6
1999	1.9	0.5	0.0	0.9	0.2	-0.3	0.6	0.5
2000	-1.0	-1.2	-1.7	-0.1	-0.5	-2.2	-0.4	-1.0
2001	1.8	2.3	1.7	1.5	1.9	2.5	1.0	1.8
2002	-1.3	-0.1	-1.8	-0.8	-1.0	-1.1	-0.6	-1.0
2003	-0.9	-0.8	-1.9	-1.5	-0.8	-0.2	-0.4	-0.9
2004	-0.8	-0.8	0.1	-0.9	-0.6	-0.2	-0.3	-0.5
2005	-0.4	-0.5	-0.2	-0.9	-0.2	0.1	-0.5	-0.4
2006	-0.4	0.5	0.4	1.1	0.4	0.1	-0.2	0.3
2007	0.4	0.3	1.6	1.5	0.9	0.8	0.9	0.9
2008	0.2	0.2	0.3	0.6	-0.3	-0.3	0.5	0.2
2009	1.0	1.5	2.6	1.8	1.2	0.5	0.5	1.3
2010	2.6	3.8	2.6	5.0	4.4	1.5	2.0	3.1
2011	3.4	2.3	1.5	1.9	1.0	-0.1	1.4	1.6
<i>AVE</i>	<i>0.34</i>	<i>0.40</i>	<i>0.32</i>	<i>0.48</i>	<i>0.33</i>	<i>0.10</i>	<i>0.17</i>	<i>0.31</i>

Table 1. Water Level change per year per observation well

The average annual water level change for the seven observation wells for the period of 1980-2011 is +0.31 feet. Therefore, the water level for the unconfined portion of the aquifer increased an average of 0.31 feet per year from 1980-2011.

The areal extent of the Tulare: East James aquifer that has remained unconfined throughout the entire period of record was delineated by examining the logs of test holes ("Lithologic Logs Database"), domestic and irrigation wells (Water Rights, 2012b; Water Rights, 2012c) and observation wells (Water Rights, 2012a) as compared to a September 2011 potentiometric surface derived from DENR-Water Rights Observation Well Network. Approximately 22,477 acres were determined to be under unconfined conditions in September 2011.

Since 22,477 acres of the aquifer had an average annual water level rise of 0.31 feet, assuming a specific yield of 0.15, the annual change in volume of:

$$(22,477 \text{ acres} \times 0.31 \text{ feet} \times 0.15) = 1,045 \text{ acre feet}$$

Therefore the observation well data indicates that the annual recharge to the aquifer exceeded discharge from the aquifer by an average of 1,045 acre-feet per year for the period of 1980-2011.

Water level fluctuations due to well withdrawals:

Observation well data documents that the development that has occurred from the Tulare: East James aquifer has had an inconsequential effect on the aquifer over the long term. Figure 7 is a hydrograph for DENR-Water Rights Program observation well SP-66C. The water level record for this well extends back to June 9, 1967; a time span that includes most of the period of irrigation development from the aquifer. The observation well is located a short distance from several high capacity irrigation wells and the drawdown from the irrigation withdrawals is obvious. However, over the period of record of the hydrograph, the number of appropriations from the Tulare: East James aquifer increased from 25 to 113 and the number of acres authorized for irrigation increased from 4,210 to 15,571. The increased development is not apparent in the hydrograph.

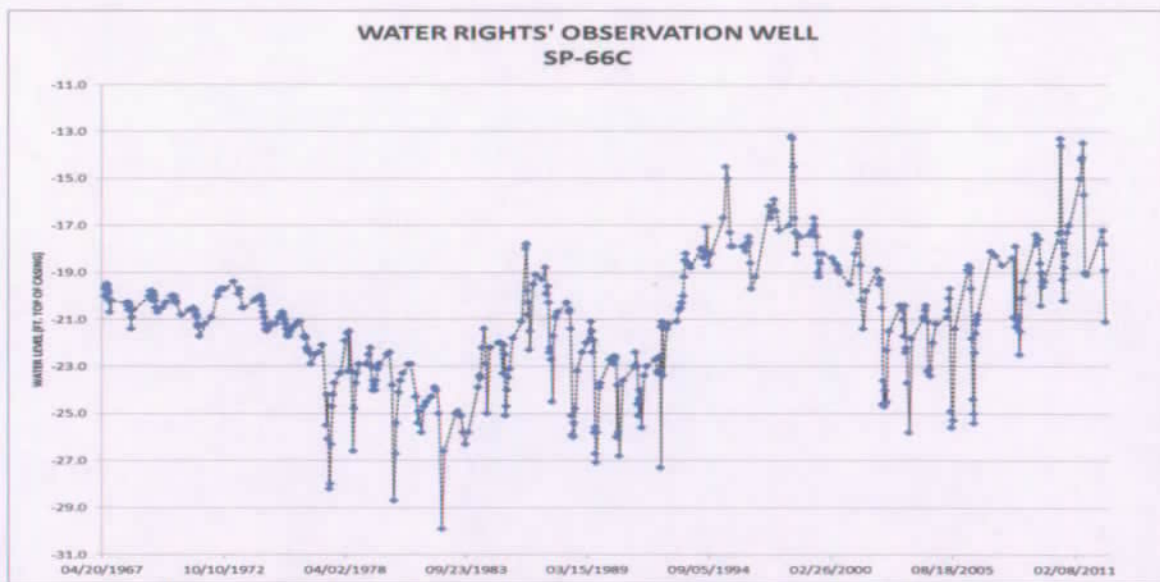


Figure 7. DENR-Water Rights' Observation well completed into the Tulare: East James aquifer, located near irrigation development

All of the observation well data shows that at the current level of development, climatic conditions greatly mask any temporal effects of well withdrawals. Therefore, the data shows that the combined recharge to and natural discharge from the Tulare: East James aquifer significantly exceeds long term well withdrawals.

Potentiometric Surface:

The potentiometric surface of the Tulare: East James aquifer was determined for two time periods based on the observation well measurements for September 1980 and for September 2011. A map showing the two potentiometric surfaces is shown in Figure 8.

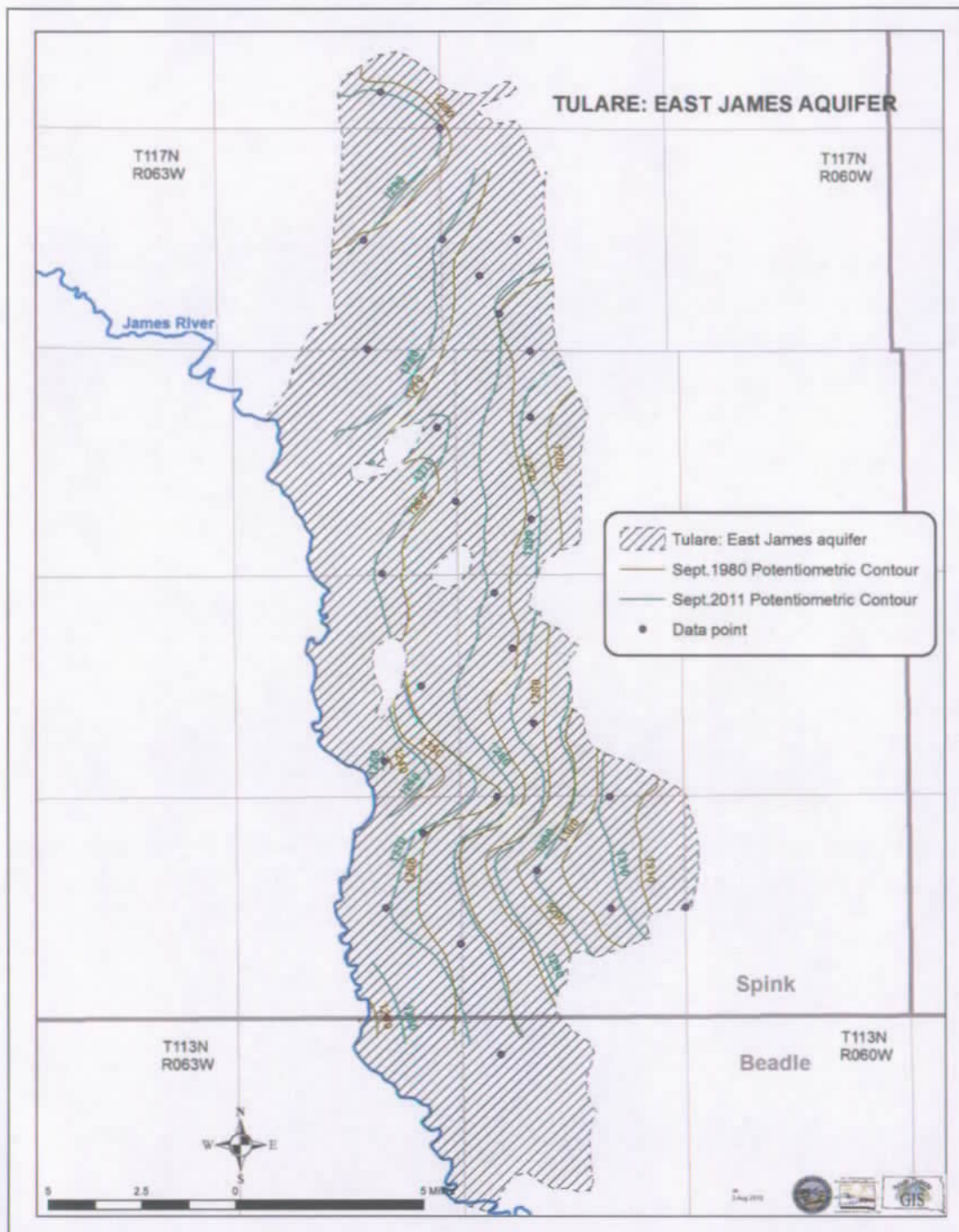


Figure 8. Comparison of the potentiometric surface of the Tulare: East James aquifer (September 1980 to September 2011)

Although the September 1980 water levels were generally lower than the September 2011 water levels, the configuration of the potentiometric surface has not changed significantly over time. It is clear that the amount of water in transient storage in the aquifer has not been significantly affected by increased appropriations and well withdrawals from the aquifer. The stress on the aquifer over time with increased appropriations is not evident in the records of water levels, therefore recharge to the aquifer and natural discharges from the aquifer significantly exceed well withdrawals.

HYDROLOGIC BUDGET:

SDCL 46-6-3.1 and the availability of unappropriated water from the Tulare: East James aquifer can be evaluated by considering a hydrologic budget for the aquifer which compares the recharge to and discharge from the aquifer.

Recharge:

Recharge to the Tulare: East James aquifer is primarily through infiltration of precipitation where the aquifer is at or near the surface. Timber Creek and some of its tributaries have incised into the Tulare: East James aquifer and streamflow provides recharge to the aquifer especially in the northern portion of the aquifer (Goodman, 1984). In addition, "...leakage through ruptured well casings or infiltration of uncontrolled discharge from flowing wells completed in bedrock may recharge aquifers in the glacial deposits" (Hamilton and Howells, 1996).

Recharge Estimates:

Previous Estimates:

Recharge to the Tulare: East James aquifer was estimated by Hedges and others (1985) using an observation well analysis to be 2.5 inches per year for the unconfined portion of the aquifer. Hedges and others (1985) used a regional flow-net analysis to estimate a recharge rate of 0.72 inches per year for the unconfined portion of the aquifer and 0.30 inches per year for the confined portion of the Tulare: East James aquifer. Average annual recharge to the Tulare: East James aquifer was also estimated by Kuiper (1984), using a digital groundwater model to be 0.38-1.52 inches per year with a "best fit" of 0.76 inches per year.

In the past the Water Management Board has accepted 0.76 inches per year as the best available recharge rate estimate, an areal extent equal to 125,600 acres and an average annual recharge volume of 7,950 acre-feet per year for the Tulare: East James aquifer (Water Management Board Findings dated 26 October, 2006 (Paragraph 8)). Assuming an areal extent of the aquifer 123,578 acres (see Figure 1), the average annual recharge to the Tulare: East James aquifer 7,827 acre-feet per year.

Regional Flow Net Analysis:

The recharge potential of the Tulare: East James aquifer was evaluated by interpreting a regional flow net analysis based on the September 2011 water level data from the DENR-Water Rights' Observation Well Network. A flow net analysis is a calculation of the amount of water flowing through the aquifer according to the equation:

$$Q = TIL$$

Where:

Q= flow in gallons per day

T= Transmissivity in gallons per day per foot
I= Hydraulic gradient in feet per mile
L= Cross sectional length in miles

The average hydraulic conductivity for the Tulare: East James aquifer was estimated based on the specific capacities of the 12 irrigation wells completed into the aquifer for which the data to allow these calculations was available (Water Rights, 2012b; Water Rights, 2012c). Transmissivity was calculated at each well using the wells' specific capacity ("Transmissivity from Specific Capacity"), and the transmissivity was divided by the aquifer thickness at the well. The average hydraulic conductivity was calculated to be 1,512.9 gallons per day per square foot (gpd/ft²). The average transmissivity of the Tulare: East James aquifer of a cross section through which all of the flow of the aquifer must flow was determined by multiplying the average thickness of the cross section (38.4 feet) times the average hydraulic conductivity for the aquifer (1,512.9 gallons per day per square foot) to be 58,095 gallons per day per foot.

The hydraulic gradient for the Tulare: East James aquifer was estimated to average 7.5 feet per mile based on data from the DENR-Water Rights' Observation Well Network.

The cross section length of the Tulare: East James aquifer was determined to be approximately 17 miles based on the current aquifer delineation.

The amount of water moving through the Tulare: East James aquifer is estimated as follows:

$$\begin{aligned} Q &= ((58,095 \text{ gpd/ft}) \times (7.5 \text{ ft/mile}) \times (17 \text{ miles})) / (325,851 \text{ gallons/ac-ft}) \\ &= 22.7 \text{ ac-ft/day} \\ &= \underline{8,285 \text{ ac-ft/yr}} \end{aligned}$$

In order to sustain this estimated volume of groundwater moving through the aquifer, the recharge rate in inches per acre per year based on an area of the aquifer of 123,578 acres would be 0.80 inches. This recharge rate cannot be considered "average annual recharge" since it used only 2011 data; however the estimate does show the reasonableness of the average annual recharge estimate from Kuiper (1984).

Discharge:

Discharge from the Tulare: East James aquifer is both natural (i.e. evapotranspiration and discharge to the James River) and through well withdrawals.

Well withdrawals:

Well withdrawals from the Tulare: East James aquifer occur through domestic use which does not requiring a water permit or right and uses from appropriative rights/permits.

Domestic water use:

There are 55 domestic water supply wells on file with the DENR-Water Rights (Water Rights, 2012c) that appear to be completed into the Tulare: East James aquifer. The volume of water used by these wells was estimated based on the average rural use for Mid Dakota RWS (i.e. 7,000 gallons per tap per month), (SD-Department of Environment and Natural Resources, 2012) to be approximately 14 acre-feet per year.

Appropriative water use

All of the water rights/permits appropriating water from the Tulare: East James aquifers are for irrigation use. The history of the development of irrigation in the Tulare: East James aquifer can be seen in Figures 9 and 10.

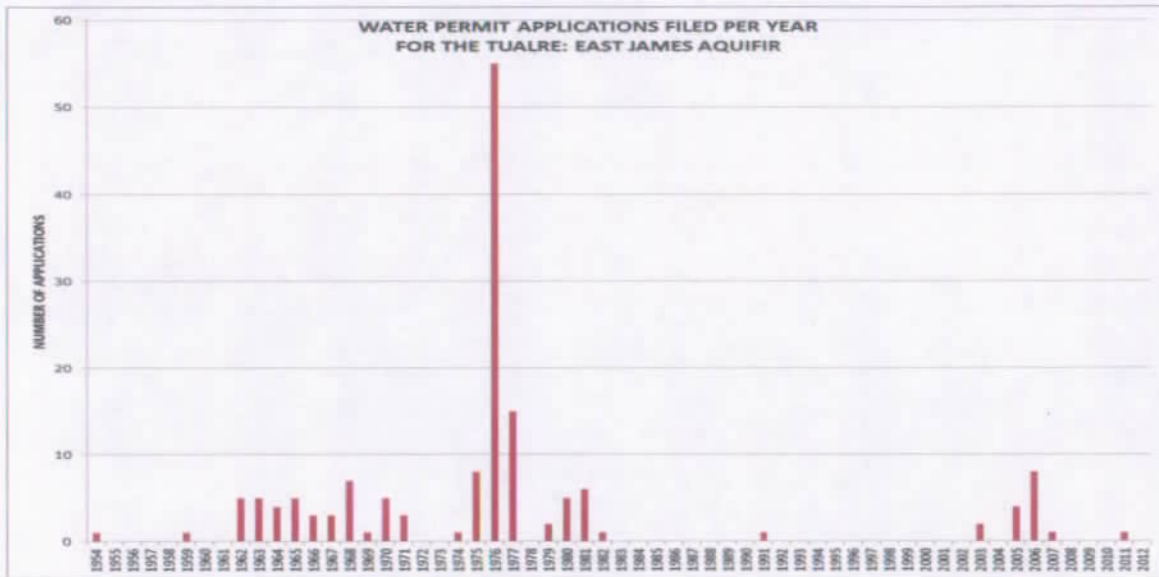


Figure 9. Water permit applications filed per year for the Tulare: East James aquifer

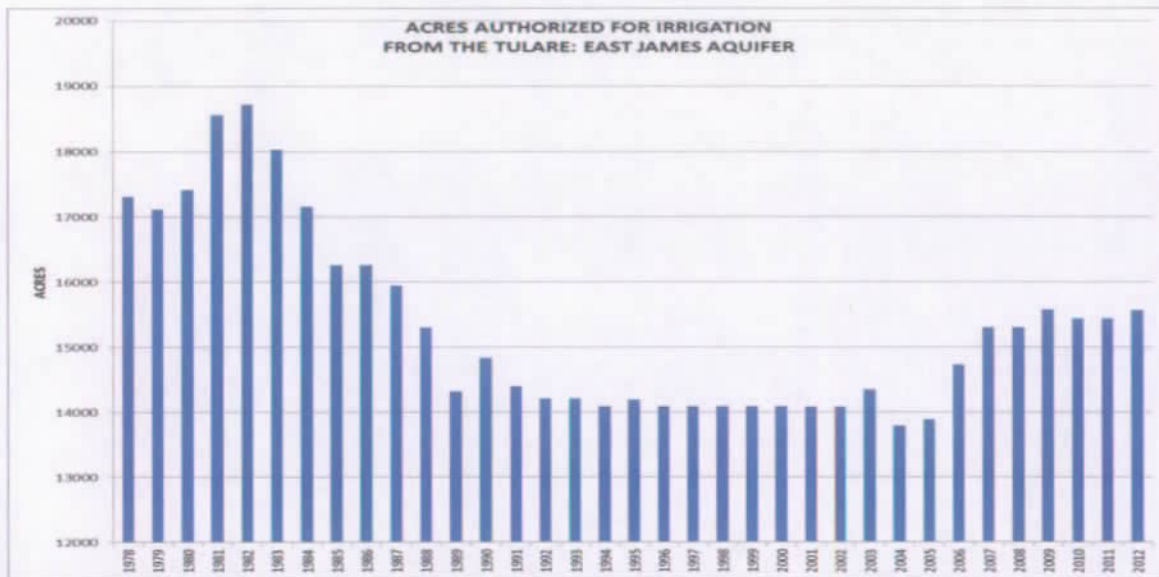


Figure 10. Acres authorized for Irrigation from the Tulare: East James aquifer

Examination of Figures 9 and 10 show that for practical purposes, irrigation development was essentially complete by 1979 or 1980. The number of appropriations and amount of water reported pumped from the aquifer (see Table 2) also suggest that the Tulare: East James aquifer should be considered fully developed as of about 1979 or 1980.

YEAR	NO. PERMITS	APPROPRIATION (acre-feet/year)	PUMPED (acre-feet/year)
1979	81	46,062.00	5,321.00
1980	82	46,326.00	7,348.00
1981	92	48,404.00	12,935.00
1982	80	44,931.30	6,873.68
1983	82	45,395.60	5,951.32
1984	81	42,131.20	4,236.80
1985	79	41,777.20	4,251.00
1986	80	41,741.20	4,940.00
1987	76	39,978.20	8,481.00
1988	75	41,043.20	11,106.20
1989	76	40,971.20	11,281.50
1990	75	40,716.20	6,928.00
1991	76	40,772.20	7,890.10
1992	76	40,220.20	3,224.40
1993	75	40,164.20	1,089.00
1994	76	40,510.35	3,897.29
1995	75	40,498.20	2,932.31
1996	75	40,498.20	7,389.13
1997	75	40,498.20	2,676.00
1998	75	40,498.20	3,475.85
1999	75	40,498.20	5,011.51
2000	75	40,498.20	7,690.37
2001	77	41,324.20	10,287.41
2002	78	42,020.20	13,668.09
2003	75	39,811.20	11,864.48
2004	77	39,288.20	7,372.58
2005	79	39,322.20	8,491.16
2006	84	40,986.20	11,746.21
2007	86	41,498.20	7,204.13
2008	85	40,974.20	3,900.71
2009	87	41,510.20	3,908.42
2010	88	41,246.20	2,414.41
2011	87	40,766.20	4,675.06
<i>MAX</i>	92	48,404.00	13,668.09
<i>MIN</i>	75	39,288.20	1,089.00
<i>AVE</i>	79.24	41,602.44	6,680.67

Table 2. Irrigation water use statistics for the Tulare: East James aquifer (Water Rights, 1980-2012)

The total well withdrawal from the aquifer including domestic use is expected to average less than 6,700 acre-feet/year. This total withdrawal from the Tulare: East James aquifer due to pumping is around 0.98% of the estimated recoverable water in storage in the aquifer (6,700 acre-feet pumped per year versus 685,857 acre-feet of recoverable water in storage).

A comparison of the estimated average well withdrawals from the Tulare: East James aquifer (6,700 acre-feet/year) with the estimated average annual recharge rate for the aquifer (7,827 acre-feet/year) shows that approximately 1,127 acre-feet of unappropriated water is available from the Tulare: East James aquifer.

In the past, the Water Management Board has considered the number of additional acres that can be permitted for irrigation given a volume of unappropriated water, as a function of the average irrigation application rate (i.e. inches of water applied per acre) for the aquifer.

The average annual application rate calculated from the total volume of water reported pumped and the total acres reported irrigated for the Tulare: East James aquifer for the period of 1979-2011 is 7.68 inches per year (see Table 3).

Year	Acres Permitted	Acres Irrigated	Irrigated/Permitted Percentage	Total Permits Reporting	Permits Pumping Water	Total Pumped (ac-ft)	Average Application Rate (in/ac/yr)
1979	17113.7	9231	53.94	84	56	5388.25	7.00
1980	17412.7	*	*	*	*	*	*
1981	18561.7	*	*	*	*	*	*
1982	18721.7	*	*	*	*	*	*
1983	18030.7	8441.5	46.82	87	55	6208.44	8.83
1984	17158.7	9032	52.64	87	58	4828.48	6.42
1985	16264.7	8863	54.49	83	56	4638.54	6.28
1986	16264.7	9123	56.09	80	63	5065.92	6.66
1987	15944.7	9385	58.86	77	62	8565.77	10.95
1988	15304.7	10023.5	65.49	76	68	11294.18	13.52
1989	14325	10317.8	72.03	76	59	11491.67	13.37
1990	14835	8969	60.46	75	50	6958.00	9.31
1991	14399	9612.6	66.76	77	60	7797.19	9.73
1992	14215	10717.8	75.40	77	64	3328.84	3.73
1993	14215	5614	39.49	77	34	1122.85	2.40
1994	14095	8113	57.56	67	49	3888.01	5.75
1995	14195	6118	43.10	67	31	2302.63	4.52
1996	14095	10059	71.37	67	59	7180.73	8.57
1997	14095	6885	48.85	67	40	2664.00	4.64
1998	14095	8321.8	59.04	67	51	3473.86	5.01
1999	14095	9610.8	68.19	67	58	4949.86	6.18
2000	14089	10274	72.92	68	62	7524.65	8.79
2001	14087	9984	70.87	69	61	9593.02	11.53
2002	14087	10760.8	76.39	71	62	12767.30	14.24
2003	14351	11684.8	81.42	75	66	11448.20	11.76
2004	13796	11999	86.97	75	71	7168.92	7.17
2005	13887	12083.4	87.01	82	67	8379.21	8.32
2006	14731	12718.8	86.34	86	72	11487.25	10.84
2007	15307	11518.4	75.25	83	66	7116.63	7.41
2008	15307	13533	88.41	84	73	3900.71	3.46
2009	15575	11547.3	74.14	87	63	3908.42	4.06
2010	15443	8161.2	52.85	88	46	2379.06	3.50
2011	15443	8789	56.91	87	49	4675.06	6.38
2012*	15571*						
MAX	18721.70	13533.00	88.41	88.00	73.00	12767.30	14.24
MIN	13796.00	5614.00	39.49	67.00	31.00	1122.85	2.40
AVE	15258.79	9716.38	65.34	77.10	57.70	6383.19	7.68

Table 3. Irrigation development from the Tulare: East James aquifer (*data not available), ((modified from Mathiowetz, 2012a)

The analysis of observation well data indicates that the recharge to the Tulare: East James aquifer exceeded the withdrawals from the aquifer by an average of 1,045 acre feet per year from 1980-2011. A comparison of the estimated average annual recharge to the aquifer with the estimated average annual well withdrawals from the aquifer from 1979-2011 shows that 1,127 acre-feet of unappropriated water is available from the Tulare: East James aquifer. Assuming an average irrigation application rate of 7.68 inches per year, an average of 1,633 additional acres could have been irrigated based on the observation well analysis and an average of 1,761 additional acres could have been irrigated based on estimated average annual recharge.

EXISTING WATER RIGHTS:

There have been a total of 164 applications to appropriate water from the Tulare: East James aquifer. The status of the applications is shown in Table 4.

STATUS	NUMBER OF APPLICATIONS
LICENSED	69
PERMITTED	24
INCORPORATED	27
CANCELLED	29
DENIED	9
WITHDRAWN	6

Table 4. Status of water permit applications from the Tulare: East James aquifer

Development from the Tulare: East James aquifer dates back to the mid 1950's and there are currently at least 137 irrigation wells producing from the aquifer. Well interference has never been an issue from the aquifer and it is likely that additional irrigation wells could be completed without unlawfully impairing existing water rights.

CONCLUSIONS:

1. The Tulare: East James aquifer is an extensive, primarily buried, generally confined glacial outwash aquifer.
2. The best information currently available indicates that the Tulare: East James aquifer underlies approximately 123,578 acres of Spink and Beadle Counties.
3. The best information currently available identifies an average annual recharge rate to the Tulare: East James aquifer as approximately 0.76 inches per year.
4. The volume of average annual recharge to the Tulare: East James aquifer based on an area of 123,578 acres and a recharge rate of 0.76 inches per year is approximately 7,827 acre-feet per year.
5. The average annual well withdrawal from the Tulare: East James aquifer is from 1979-2011 estimated to be 6,700 acre-feet per year.
6. The SD DENR-Water Rights Program observation well data documents that over the period of record the potentiometric surface of the Tulare: East James aquifer has averaged an upward trend.
7. The SD DENR-Water Rights Program observation well data documents that well withdrawals from the Tulare: East James aquifer have not had a long term effect on the amount of water in storage in the aquifer.
8. The SD DENR-Water Rights Program observation well data documents that the configuration of the potentiometric surface of the Tulare: East James aquifer has not changed significantly with time or increased development.

9. The SD DENR-Water Rights Program observation well data documents that recharge to the Tulare: East James aquifer has exceeded the discharge from the aquifer by an average of 1,045 acre-feet per year.
10. The average annual irrigation application rate for the Tulare: East James aquifer from 1979-2011 has been 7.68 inches per year.
11. Assuming an average application rate of 7.68 inches per year, an average of 1,761 additional acres could have been irrigated based on a comparison of average annual recharge and average annual well withdrawals
12. Assuming an average application rate of 7.68 inches per year, an average of 1,633 additional acres could have been irrigated based on the observation well analysis of the aquifer.
13. Well interference has never been a problem from the Tulare: East James aquifer and there is a reasonable probability that additional irrigation wells could be completed into the aquifer without adversely impacting existing users.
14. Water permit application Nos. 7295-3, 7316-3, 7348-3, 7364-3, 7365-3, 7366-3, 7367-3, 7368-3, 7369-3, 7370-3 propose to appropriate water to irrigate 1759 acres from the Tulare: East James aquifer.
15. There is a reasonable probability that unappropriated water is available from the Tulare: East James aquifer to supply water for these appropriations.



Ken Buhler

SD DENR-Water Rights Program

REFERENCES:

- Goodman, J.A., 1984, Report on Applications No. 5009-3 Duane Muxen, No. 3178A-3 M.J.T. Inc., and No. 2235A-3 Gary D. Wipf, DENR-Water Rights Program unpublished report in Water Permit Application File No. 5009-3
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- Kuiper, L.K. 1984, Appraisal of the Water Resources of The Eastern Part of the Tulare Aquifer, Beadle, hand, and Spink Counties, South Dakota: U.S. Geological Survey Water-Resources Investigations Report 84-4078, 52 p.
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“Transmissivity from Specific Capacity.” Aquifer Test Forum sponsored by HydroSOLVE, Inc.
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Water Permit Application Nos. 6711-3, 6713-3, 6715-3 and 6728-3 (Water Management Board Findings of Fact, Conclusions of Law and Final Decision issued 26 October, 2006)

Water Rights, 1980-2012a, Irrigation Questionnaires 1980-2011, SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD.

Water Rights, 1980-2012b, “Annual Irrigation Summary by Aquifer”: SD DENR-Water Rights Program, Joe Foss Building, Pierre, SD

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Water Rights, 2012b, Water Right/Permit Files, SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD.

Water Rights, 2012c, Well Completion Report Files, SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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**REVISED RECOMMENDATION OF CHIEF ENGINEER FOR WATER
PERMIT APPLICATION NO. 7295-3, William St. Clair**

Pursuant to SDCL 46-2A-2, the following is the revised recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 7295-3, William St. Clair, 37644 184th Street Tulare SD 57476.

The Chief Engineer is recommending APPROVAL of Application No. 7295-3 because 1) the Water Rights Program evaluated the availability of water in the aquifer and determined that there is a reasonably probability that there is unappropriated water available from the Tulare:East James Aquifer, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest to put water resources of the state to the fullest extent of which they are capable with the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his 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 well authorized by Permit No. 7295-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
September 6, 2012



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
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**REVISED RECOMMENDATION OF CHIEF ENGINEER FOR WATER
PERMIT APPLICATION NO. 7316-3, Van Buskirk Farms LLP**

Pursuant to SDCL 46-2A-2, the following is the revised recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 7316-3, Van Buskirk Farms, LLP, Matt Van Buskirk, Box 73, Hitchcock SD 57348.

The Chief Engineer is recommending APPROVAL of Application No. 7316-3 for 3.89 cfs because 1) the Water Rights Program evaluated the availability of water in the aquifer and determined that there is a reasonably probability that there is unappropriated water available from the Tulare:East James Aquifer, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest to put water resources of the state to the fullest extent of which they are capable with the following qualifications:

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his 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 wells authorized by Permit No. 7295-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall 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. The diversion rate authority for Water Permit No. 7316-3 is limited to 3.89 cfs which is the statutory limit for irrigation of 272 acres.
4. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
September 6, 2012



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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**REVISED RECOMMENDATION OF CHIEF ENGINEER FOR WATER
PERMIT APPLICATION NO. 7348-3, Michael Sentell**

Pursuant to SDCL 46-2A-2, the following is the revised recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 7348-3, Michael Sentell, 18690 398th Avenue, Hitchcock SD 57348.

The Chief Engineer is recommending APPROVAL of Application No. 7348-3 because 1) the Water Rights Program evaluated the availability of water in the aquifer and determined that there is a reasonably probability that there is unappropriated water available from the Tulare:East James Aquifer, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest to put water resources of the state to the fullest extent of which they are capable with the following qualifications:

1. The gravel pit approved under this Permit will be located near domestic wells and other wells which also may obtain water from the same aquifer. The permit holder shall control withdrawals from the gravel pit so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
September 6, 2012



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**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 7364-3, Wipf Acres LP**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 7364-3, Wipf Acres LP, c/o Gary Wipf, 17801 401st Avenue, Frankfort SD 57440.

The Chief Engineer is recommending APPROVAL of Application No. 7364-3 because 1) the Water Rights Program evaluated the availability of water in the aquifer and determined that there is a reasonably probability that there is unappropriated water available from the Tulare:East James Aquifer, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest to put water resources of the state to the fullest extent of which they are capable with the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his 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 well authorized by Permit No. 7364-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
September 6, 2012



**DEPARTMENT of ENVIRONMENT
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**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 7365-3, Huron Colony**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 7365-3, Huron Colony, c/o Joey Waldner, 40068 Huron Colony Lane, Huron SD 57350.

The Chief Engineer is recommending APPROVAL of Application No. 7365-3 because 1) the Water Rights Program evaluated the availability of water in the aquifer and determined that there is a reasonably probability that there is unappropriated water available from the Tulare:East James Aquifer, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest to put water resources of the state to the fullest extent of which they are capable with the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his 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 well authorized by Permit No. 7365-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
September 6, 2012



**DEPARTMENT of ENVIRONMENT
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**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 7366-3, Huron Colony**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 7366-3, Huron Colony, c/o Joey Waldner, 40068 Huron Colony Lane, Huron SD 57350.

The Chief Engineer is recommending APPROVAL of Application No. 7366-3 because 1) the Water Rights Program evaluated the availability of water in the aquifer and determined that there is a reasonably probability that there is unappropriated water available from the Tulare:East James Aquifer, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest to put water resources of the state to the fullest extent of which they are capable with the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his 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 well authorized by Permit No. 7366-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
September 6, 2012



**DEPARTMENT of ENVIRONMENT
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PIERRE, SOUTH DAKOTA 57501-3182
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**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 7367-3, Huron Colony**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 7367-3, Huron Colony, c/o Joey Waldner, 40068 Huron Colony Lane, Huron SD 57350.

The Chief Engineer is recommending APPROVAL of Application No. 7367-3 because 1) the Water Rights Program evaluated the availability of water in the aquifer and determined that there is a reasonably probability that there is unappropriated water available from the Tulare:East James Aquifer, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest to put water resources of the state to the fullest extent of which they are capable with the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his 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 well authorized by Permit No. 7367-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
September 6, 2012



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 7368-3, Huron Colony**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 7368-3, Huron Colony, c/o Joey Waldner, 40068 Huron Colony Lane, Huron SD 57350.

The Chief Engineer is recommending APPROVAL of Application No. 7368-3 because 1) the Water Rights Program evaluated the availability of water in the aquifer and determined that there is a reasonably probability that there is unappropriated water available from the Tulare:East James Aquifer, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest to put water resources of the state to the fullest extent of which they are capable with the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his 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 well authorized by Permit No. 7368-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
September 6, 2012



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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523 EAST CAPITOL
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**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 7369-3, Huron Colony**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 7369-3, Huron Colony, c/o Joey Waldner, 40068 Huron Colony Lane, Huron SD 57350.

The Chief Engineer is recommending APPROVAL of Application No. 7369-3 because 1) the Water Rights Program evaluated the availability of water in the aquifer and determined that there is a reasonably probability that there is unappropriated water available from the Tulare:East James Aquifer, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest to put water resources of the state to the fullest extent of which they are capable with the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his 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 well authorized by Permit No. 7369-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
September 6, 2012



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 7370-3, Huron Colony**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 7370-3, Huron Colony, c/o Joey Waldner, 40068 Huron Colony Lane, Huron SD 57350.

The Chief Engineer is recommending APPROVAL of Application No. 7370-3 because 1) the Water Rights Program evaluated the availability of water in the aquifer and determined that there is a reasonably probability that there is unappropriated water available from the Tulare:East James Aquifer, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest to put water resources of the state to the fullest extent of which they are capable with the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his 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 well authorized by Permit No. 7370-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
September 6, 2012



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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denr.sd.gov

JAN 26 2013

Huron Hutterian Brethren
Joey Waldner
40068 Huron Colony Lane
Huron SD 57350

Dear Mr. Waldner:

Enclosed are Water Permit Nos. 7365-3, 7366-3, 7367-3, 7368-3, 7369-3 and 7370-3 authorizing construction of your water diversion systems and beneficial use of the water, not exceeding the limits as specified in the Water Permits.

The water permits will be subject to cancellation if necessary works are not constructed within the five year period listed under Item No. 5 of the permits (December 6, 2017). In addition, water rights law provides that if one fifth (1/5) of the works authorized by these permits are not completed within 2 1/2 years of approval of the permits, the Water Management Board may accept and approve an application for the use of any water included in these water permits and the right to use the water under these permits be subject to cancellation for forfeiture. Since the Tulare:East James Aquifer is deemed fully appropriated by DENR, one fifth of construction will need to be completed by June 6, 2015 or the permits maybe subject to cancellation for forfeiture before the Board.

Form 10's, *Notice of Completion of Works and Application of Water to Beneficial Use*, are enclosed. Please return these completed forms after you have finished the systems and have put the water to beneficial use. An investigation can then be scheduled so the water licenses may be issued, thus completing the acquisition of a water right.

An information sheet *?Common Water Right Questions?* is also enclosed. This sheet is intended to answer some of the questions associated with obtaining and keeping a water right.

Sincerely,

A handwritten signature in black ink, appearing to read 'Garland Erbele'.

Garland Erbele, Chief Engineer
Water Rights Program
605 773-3352

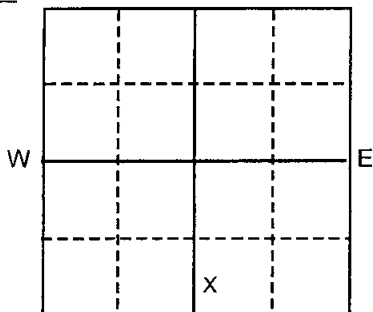
enclosures

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SW 1/4 SE 1/4 Sec 20 Twp 113N Rg 61WWell Owner: HURON HUTTERIAN COLONYCounty Beadle

North

Please mark well
location with an "X"

Well Completion Date

7-10-2013

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
ft. from _____ (identify source)

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test holes
☒ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

DIRECT ROTARY DRILL

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
40.0 LB/FT	16.00 IN	0.0 FT	46.0 FT	24.00 IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
GWDF	27	54.0 Lb/gal	0.0 Ft	46.0 Ft
_____	_____	_____ Lb/gal	_____ Ft	_____ Ft

Describe grouting procedure
TREMIE PPM

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 16.00 Inches Length 15.0 FeetMaterial STAINLESS STEELSlot Size .060 Set From 46.0 Feet to 61.0 Feet

Other information _____

WAS A PACKER OR SEAL USED?

☐ Yes ☐ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How? _____

☐ No, Why Not? _____
Lab to which water
quality sample sent for analysis

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
TOP SOIL	0	1
YELLOW CLAY	1	25
BLUE CLAY	25	28
FINE - MED	28	49
MED- COURSE SOME COAL	49	61

STATIC WATER LEVEL

16.0 FEET

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____ GPM

Can well be completely shut in?

WELL TEST DATA:

☒ Pumped Describe: SUB PUMP 600
☐ Bailed

☐ Other

Pumping Level Below Land Surface

40.0 Ft. After 3.0 Hrs. pumped 600.0 GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

RECEIVED

JAN 31 2014

WATER RIGHTS
PROGRAMThis well was drilled under license # 689 and this
report is true and accurate.Drilling firm: KAISER WELL DRILLING INC

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: _____



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

March 5, 2020

denr.sd.gov

Joey Waldner
Huron Colony
40068 Huron Colony Lane
Huron SD 57350

Dear Mr. Waldner:

Last fall, Water Rights Inspector Terry Helms conducted licensing investigations of water permits for irrigation held by Huron Colony. Specifically, the following permits were looked at for the purpose of licensing to reflect what is developed.

No. 7365-3 – 800 gpm from a well for irrigation of 132 acres in the SW 1/4 Section 20-T113N-R61W
No. 7366-3 – 800 gpm from a well for irrigation of 132 acres in the NW 1/4 Section 20-T113N-R61W
No. 7370-3 – 800 gpm from a well for irrigation of 132 acres in the SE 1/4 Section 19-T113N-R61W

Each of these permits had a date to complete construction of works of December 6, 2017, and a date of December 6, 2021, to put water to beneficial use. For each of these permits you indicated during Mr. Helm's site visit that a helper well maybe drilled to attain the permitted pump rate. Please be aware that Huron Colony will need to request authorization from the Water Rights Program prior to drilling an additional point of diversion (well). State law allows for an additional point of diversion if from the same source, no additional water is appropriated, and no new land is irrigated. A request needs to be filed with the Water Rights Program and the additional well may be authorized without publication if the Chief Engineer can make a finding that the change does not increase the potential for interference with existing diversions.

Huron Colony has until December 6, 2021, to fully place water to beneficial use. After that time, the water rights will be limited to what is developed. For example, Water Permit No. 7365-3 authorizes 800 gpm from the well but it currently only produces 600 gpm. Huron will have to get authorization for a second well and have it in place by December 6, 2021, or the water right will be permanently limited to a diversion rate of 600 gpm.

Finally, there are a few additional water permits held by Huron Colony that are ready to be licensed. It is likely that Terry Helms will be contacting you again to make an onsite visit. Thank you for your cooperation.

Sincerely,

Eric Gronlund
Water Rights Program, DENR
605 773-3352
eric.gronlund@state.sd.us



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**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

January 22, 2021

NOTICE

TO: HURON COLONY, JOEY WALDNER, 40068 HURON COLONY LANE, HURON, SD 57350 8001

FROM: Ron Duvall, Natural Resources Engineer
for Jeanne Goodman, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 2020 Irrigation Questionnaire(s)

Our records indicate your 2020 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 2390A-3, 3268A-3, 4400A-3, 5651-3, 6431-3, 7365-3, 7366-3, 7367-3, 7370-3, 7395-3, 7905-3, 7906-3, 7369A-3, 7369B-3, 7369C-3, 7906A-3. The request for the Questionnaire was dated October 23, 2020. The Water Management Board has directed that owners of water permits who have not submitted the 2020 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 2390A-3, 3268A-3, 4400A-3, 5651-3, 6431-3, 7365-3, 7366-3, 7367-3, 7370-3, 7395-3, 7905-3, 7906-3, 7369A-3, 7369B-3, 7369C-3, 7906A-3 qualification:

"This permit is approved subject to the Irrigation Water Use Questionnaire being submitted each year."

The hearing will be held at **Wednesday, March 3, 2021 at 10:00 am (Central Time)** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 2390A-3, 3268A-3, 4400A-3, 5651-3, 6431-3, 7365-3, 7366-3, 7367-3, 7370-3, 7395-3, 7905-3, 7906-3, 7369A-3, 7369B-3, 7369C-3, 7906A-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

The hearing is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaire(s) is (are) received in this office before the **March 3, 2021** hearing you will no longer be in violation of your permit and your name will be removed from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Genny McMath at (605) 773-3352 or email at genny.mcmath@state.sd.us. **If you prefer, you can complete the questionnaire online at the following link: <https://denr.sd.gov/iq> using this password: LHSJWM**

NOTE: Please contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.

7365-3



DENR
SOUTH DAKOTA

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

February 4, 2021

Joey Waldner
Huron Colony
40068 Huron Colony Lane
Huron SD 57350 8001

RE: Water Permit or Right Nos. 2390A-3, 3268A-3, 4400A-3, 5651-3, 6431-3, 7365-3, 7366-3, 7367-3, 7370-3, 7395-3, 7905-3, 7906-3, 7369A-3, 7369B-3, 7369C-3, 7906A-3

Dear Mr. Waldner:

I am writing to acknowledge receipt of your 2020 irrigation questionnaires.

You may disregard the January 22, 2021, "Notice" concerning reporting requirements for the above listed water rights or water permits. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in cursive script, appearing to read "Genny McMath".

Genny McMath
Water Rights Program
605 773-3352
Genny.mcmath@state.sd.us



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

January 20, 2022

NOTICE

TO: HURON COLONY, JOEY WALDNER, 40068 HURON COLONY LANE, HURON, SD 57350

FROM: Ron Duvall, Water Rights Permitting Administrator
for Eric Gronlund, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 2021 Irrigation Questionnaire(s)

Our records indicate your 2021 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 2390A-3, 3268A-3, 4400A-3, 5651-3, 6431-3, 7365-3, 7366-3, 7367-3, 7370-3, 7395-3, 7905-3, 7906-3, 7369A-3, 7369B-3, 7369C-3, 7906A-3. The request for the Questionnaire was dated October 22, 2021. The Water Management Board has directed that owners of water permits who have not submitted the 2021 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 2390A-3, 3268A-3, 4400A-3, 5651-3, 6431-3, 7365-3, 7366-3, 7367-3, 7370-3, 7395-3, 7905-3, 7906-3, 7369A-3, 7369B-3, 7369C-3, 7906A-3 qualification:

"This permit is approved subject to the Irrigation Water Use Questionnaire being submitted each year."

The hearing will be held at **Wednesday, March 2, 2022 at 9:30 am (Central Time)** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 2390A-3, 3268A-3, 4400A-3, 5651-3, 6431-3, 7365-3, 7366-3, 7367-3, 7370-3, 7395-3, 7905-3, 7906-3, 7369A-3, 7369B-3, 7369C-3, 7906A-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

The hearing is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaire(s) is (are) received in this office before the **March 2, 2022** hearing you will no longer be in violation of your permit and your name will be removed from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Genny McMath at (605) 773-3352 or email at genny.mcmath@state.sd.us. **If you prefer, you can complete the questionnaire online at the following link: <https://danr.sd.gov/iq> using this password: RDXOUP**

NOTE: Please contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.

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Jan 20	9:24 PM	Huron Sd Distribution Center	Arrived at USPS regional facility

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HURON COLONY
 JOEY WALDNER
 40068 HURON COLONY LANE
 HURON SD 57350 8001

shipping and
 ZIP Code, and

PS Form 3800, April 2015 PSN 7530-02-000-9047

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Still Waiting? Here Are
 Two Ways to Track Your
 Tax Refund

Instead of just blindly
 waiting for this year's tax
 refund to come through,
 know that there are a
 couple of handy ways to





**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

March 3, 2022

**NOTICE OF ENTRY OF ORDER FOR ONE YEAR SUSPENSION
OF WATER RIGHTS AND WATER PERMITS**

TO: Joey Waldner, Huron Colony, 40068 Huron Colony Ln, Huron SD 57350-8001

FROM: Eric Gronlund, Chief Engineer *Eric Gronlund*
Water Rights Program

SUBJECT: One Year Suspension of Water Permit/Right Nos. 2390A-3, 3268A-3, 4400A-3, 5651-3, 6431-3, 7365-3, 7366-3, 7367-3, 7370-3, 7395-3, 7905-3, 7906-3, 7369A-3, 7369B-3, 7369C-3, 7906A-3

On March 2, 2022, the Water Management Board ordered:

Effective April 4, 2022, Water Permit/Right Nos. 2390A-3, 3268A-3, 4400A-3, 5651-3, 6431-3, 7365-3, 7366-3, 7367-3, 7370-3, 7395-3, 7905-3, 7906-3, 7369A-3, 7369B-3, 7369C-3, 7906A-3 be suspended for the 2022 irrigation season for failure to submit the 2021 irrigation questionnaires.

If the 2021 irrigation questionnaires are received prior to April 4, 2022, the suspensions will not take effect.

Suspension of a water permit or right means water may not be pumped during the 2022 irrigation season. Consistent with the Board's order, you are not permitted to irrigate in 2022 unless the 2021 irrigation questionnaires are submitted by April 4, 2022.

After April 4th, you may petition the Water Management Board to rescind the suspension. You will need to submit the 2021 irrigation questionnaires and a letter to our office requesting time on the agenda for the next Water Management Board meeting scheduled for May 4-5, 2022, in Pierre, SD. The letter should include your reasons for not completing the 2021 irrigation questionnaires. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law.

Water Rights Staff will conduct compliance checks of suspended water rights this summer to determine if irrigation is taking place.

Please contact Genny McMath (605) 773-3352, if you have any questions.

CERTIFICATION

I hereby certify that on March 3, 2022, I have personally deposited with the United States mail at Pierre, South Dakota, a first class postage prepaid envelopes containing a "Notice" dated March 3, 2022, concerning Board action to amend and/or suspend water rights to the following:

Amendments:

No. 3487-3: Dave Hanson, 31489 455th Ave., Meckling SD 57069
No. 2460-3: Ryan Patterson, 10946 425th Ave., Britton SD 57430
Patterson Farm Inc, 42474 SD Hwy 10, Britton SD 57430

Amend & Suspend:

Nos. 1397-2, 2647-2 & 2701-2: Cody Burull, 25299 Deer Valley Rd, Reliance SD 57569

Nos. 2072-3, 2126-3, 3204-3, 7236-3 & 7237-3:

- David Ulvestad, 46720 201st St., Bruce SD 57220
- Darwin Ulvestad, 46679 201st St, Bruce SD 57220

Three year suspensions:

No. 410B-2: Kathi Koester, PO Box 206, Custer SD 57730-0206
Nos. 1350-3 & 6042-3: Scott Jensen, 24348 478th Ave., Dell Rapids SD 57022

One year suspensions:

No. 6947-3: Joe Adler, 48353 149th St, Milbank SD 57252
Nos. 6263-3 & 8041-3: George G Hofer, Cedar Grove Colony, 36926 266th St, Platte SD 57369
No. 881-2: Ryan Edwards, 25331 Yellow Eagle Rd, White River SD 57579
No. 6316-3: Howard Athletic Club Inc., 508 E Farmer Ave., Howard SD 57349-9017
Nos. 2851-3 & 4955-3: David Huber, 16010 413th Ave., Conde SD 57434

Nos. 2390A-3, 3268A-3, 4400A-3, 5651-3, 6431-3, 7365-3, 7366-3, 7367-3, 7370-3, 7395-3, 7905-3, 7906-3, 7369A-3, 7369B-3, 7369C-3, 7906A-3: Joey Waldner Colony, 40068 Huron Colony Lane, Huron SD 57350-8001

Nos. 7286-3 & 7543-3: Brian Kozak, 30620 417th Ave., Tyndall SD 57066
No. 5665-3: Pat Mentele, PO Box 41, Woonsocket SD 57385-0041
No. 8326-3: Jerry D Nelsen, 45125 291st St., Viborg SD 57070
No. 7005-3: Troy Randall, Randall Enterprise LLC, 24250 479th Ave., Dell Rapids SD 57022 6139
No. 2497-2: Marty Vanderploeg, 22958 293rd St, Martin SD 57551-5930
No. 8265-3: Carl Pulvermacher, Wiskota Farm, 14050 SD Hwy 25, Webster SD 57274
Nos. 516-1 & 715-1: Lawrence Woodward, PO Box 220, Dupree SD 57623-0220



Genny McMath
Program Assistant-Water Rights

STATE OF SOUTH DAKOTA)

) SS

COUNTY OF HUGHES)

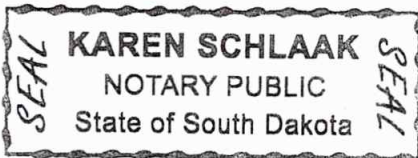
Sworn to, before me, this 3rd day of March, 2022.



Karen Schlaak

Notary Public

My Commission expires April 1, 2025





**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

March 16, 2022

Joey Waldner
Huron Colony
44068 Huron Colony Ln
Huron SD 57350 8001

RE: Water Permit/Right Nos. 2390A-3, 3268A-3, 4400A-3, 5651-3, 6431-3, 7365-3, 7366-3, 7367-3, 7370-3, 7395-3, 7905-3, 7906-3, 7369A-3, 7369B-3, 7369C-3, 7906A-3

Dear Mr. Waldner:

On March 2, 2022, the Water Management Board ordered Water Permit/Right Nos. 2390A-3, 3268A-3, 4400A-3, 5651-3, 6431-3, 7365-3, 7366-3, 7367-3, 7370-3, 7395-3, 7905-3, 7906-3, 7369A-3, 7369B-3, 7369C-3, 7906A-3 be suspended if the 2021 irrigation questionnaires were not received prior to April 4, 2022. The questionnaire information has been received.

Since the irrigation questionnaires are on file, no violations have occurred, and no suspensions will take place. You may irrigate during the 2022 irrigation season.

If you have any questions, please contact us.

Sincerely,

Ron Duvall
Water Rights Permitting Administrator
Water Rights Program
(605) 773-3352



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

January 19, 2024

NOTICE

TO: HURON COLONY, JOEY WALDNER, 40068 HURON COLONY LN, HURON, SD 57350
8001

FROM: Ron Duvall, Engineer III
for Eric Gronlund, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 2023 Irrigation Questionnaire(s)

Our records indicate your 2023 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 2390A-3, 3268A-3, 4400A-3, 5651-3, 6431-3, 7365-3, 7366-3, 7367-3, 7370-3, 7395-3, 7905-3, 7906-3, 7369A-3, 7369B-3, 7369C-3, 7906A-3. The request for the Questionnaire was dated October 20, 2023. The Water Management Board has directed owners of water permits who have not submitted the 2023 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 2390A-3, 3268A-3, 4400A-3, 5651-3, 6431-3, 7365-3, 7366-3, 7367-3, 7370-3, 7395-3, 7905-3, 7906-3, 7369A-3, 7369B-3, 7369C-3, 7906A-3 qualification:

"This permit is approved subject to the Irrigation Water Use Questionnaire being submitted each year."

The hearing will be held at **Wednesday, March 6, 2024 at 9:30 am (Central Time)** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 2390A-3, 3268A-3, 4400A-3, 5651-3, 6431-3, 7365-3, 7366-3, 7367-3, 7370-3, 7395-3, 7905-3, 7906-3, 7369A-3, 7369B-3, 7369C-3, 7906A-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

The hearing is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaire(s) is (are) received in this office before the **March 6, 2024** hearing you will no longer be in violation of your permit and your name will be removed from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Amanda Dewell at (605) 773-3352 or email at amanda.dewell@state.sd.us. **If you prefer, you can complete the questionnaire online at the following link: <https://danr.sd.gov/iq> using this password: FTBPLU**



**DEPARTMENT of AGRICULTURE
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January 31, 2024

2390A-3, 3268A-3, 4400A-3,
5651-3, 6431-3, 7365-3, 7366-3,
7367-3, 7370-3, 7395-3, 7905-3,
7906-3, 7369A-3, 7369B-3,
7369C-3, 7906A-3 & 8678-3

Huron Httm Brth
c/o Joey Waldner
40068 Huron Colony Ln
Huron SD 57350

Dear Mr. Waldner:

I am writing to acknowledge the receipt of your 2023 irrigation questionnaire(s).

You may disregard the January 19, 2024, "Notice" concerning the reporting requirements for Water Permit No(s). 2390A-3, 3268A-3, 4400A-3, 5651-3, 6431-3, 7365-3, 7366-3, 7367-3, 7370-3, 7395-3, 7905-3, 7906-3, 7369A-3, 7369B-3, 7369C-3, 7906A-3 & 8678-3.

The information was received prior to the March 6, 2024, Water Management Board meeting and these permit numbers have been removed from the agenda.

If you have any questions, please contact me.

Sincerely,

Amanda Dewell
Water Rights Program
605 773-3352
Amanda.Dewell@state.sd.us

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 7365-3

I have this day, June 26, 2024, made a thorough examination of the water use system constructed by Huron Colony of 40068 Huron Colony Lane, Huron SD 57350 holder of Permit No. 7365-3, bearing the priority of May 31, 2012 authorizing the diversion of 1.72 cu. ft. per second of the waters of groundwater Tulare: East James Aquifer for irrigation purposes, in Beadle County.

Inspection contact & relationship Joey Waldner, irrigation manager

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Kaiser
- 2) No. of Wells 1
- 3) Depth(s) 61 feet
- 4) Well log is available Y If no, explain in comments
Comments: NA

Casing:

- 1) Diameter 16 inches
- 2) Length 46 feet
- 3) Type plastic

Screen:

- 1) Type stainless steel
- 2) Length 15 feet
- 3) Static water level 40 feet

Pump:

- 1) Make Grundfos
- 2) Model submersible
- 3) Capacity 400 GPM

Motor:

- 1) Make Grundfos
- 2) Model No. submersible
- 3) Horsepower rating 50 hp

B. Works used to transport water to place of use:

- 1) Type PVC
- 2) Size 10 inches
- 3) Length 1400 feet

C. Works used to apply water to beneficial use:

Center pivot:

- 1) Make Zimmatic
- 2) Overall length 1280 feet

- 3) Number of towers 7
- 4) End gun Y
- 5) Capacity 800 GPM

Chemigation Equipment:

- 1) Does chemigate Y
- 2) Main line check valve Y
- 3) Inspection port/air relief Y
- 4) Low pressure drain Y
- 5) Discharge is 20' from source Y
- 6) Interlock type electrical
- 7) Injection pump type piston
- 8) Injection check valve Y/N
- 9) Injection line check valve or positive displacement pump Y

Comments: none

D. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by Y
If no, describe: NA
- 2) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Y
List any extended period of nonuse: 2018 to 2023 (see Section F comments).
- 3) Exceptions to compliance are: none

E. Condition and Location:

1. The system is in good condition with the point(s) of diversion located as follows: from the SW corner of Sec 20 T113N-R61W – 20 feet E and 915 feet N, latitude of 44.57685 and longitude of -98.20021 ,(SW ¼ SW ¼).
2. The works are capable of diverting and conveying to the place of use 0.89 cu. ft. per second of water which is to be used for irrigation. Water has been put to beneficial use to the maximum extent as follows: All land is located in Section 20 T113N-R61W:
NW ¼ SW ¼ - 33 ac NE ¼ SW ¼ - 33 ac SE ¼ SW ¼ - 33 ac SW ¼ SW ¼ - 33 ac
comprising a total of 132 acres of land and the license should be issued for 0.89 cfs.
3. All structures, wells and lands on map Y
If no, describe: none

F. Comments or other permit(s) associated with the project:

Note: Huron Colony irrigates this same land under a James River water permit.



Date of Report: **July 1, 2024**

Water Rights Inspector
SD DANR – Water Rights Program

Approval of Location Change and/or Additional Diversion Point(s)

NAME: Huron Huttn BrethCOUNTY: BeadleADDRESS: 40068 Huron Colony Lane, Huron SD 57350DATE: July 2, 2024**GENERAL DESCRIPTION OF AUTHORIZED PROJECT:**

The permit holder is authorized to construct one well into the Tulare: East James Aquifer in the approximate center SW ¼ Section 20, to divert 1.78 cubic feet of water per second (cfs) for the irrigation of 132 acres located in the SW ¼, Section 20; all in T113N, R61W.

AUTHORITY:

Pursuant to SDCL 46-5-13.1, the location of a diversion point may be changed, or additional diversion points may be added, provided the following conditions are met and the potential for interference with other existing diversions is not increased:

Developed water source same as permitted source and no additional water appropriated

The permit holder constructed the well in the SW ¼ SW ¼ Section 20, T113N, R61W, only 20 ft east of the section line. The authorized rate of diversion was 1.78 cfs, only 0.89 cfs was developed.

If irrigation, no new land is irrigated

The permit holder has made no request for additional acres. The number of irrigated acres is limited to 132, as described in Permit No. 7365-3.

Review of Existing Diversions

There are fifteen existing water permits/rights located within approximately 2 miles of where the well was developed, also authorizing diversion from the Tulare: East James Aquifer. Huron Colony holds all fifteen permits/rights. Additionally, Huron Colony holds all permits/rights for appropriations from the Tulare: East James Aquifer, located within T113N-R61W. The next nearest appropriator from the T:EJ (other than the colony), is Twisted Land & Cattle (Water Right No. 2367-3), located approximately 4.5 miles NW of the well site in question. It was determined that there was reasonable probability any well interference due to pumping of the original well would not adversely or unlawfully impair existing rights. The same would be expected for the well constructed in the new location.

All the domestic wells in the area appear to be completed into the Dakota Aquifer. The location of the domestic wells in the well completion report database maintained by the Water Rights Program is based on the location listed by the driller on the well completion report. There is one domestic well located in Section 20, T113N, R61W (on property owned by the colony). The nearest domestic well on file on property not owned by Huron Colony is located approximately 4.5 miles southwest in the approximate center SW ¼ Section 31, T113N, R61W. None of the nearby domestic wells appear to be completed into the Tulare: East James Aquifer.

RECOMMENDED ACTION

Based on the above criteria, it is recommended that the change in diversion point location be approved.



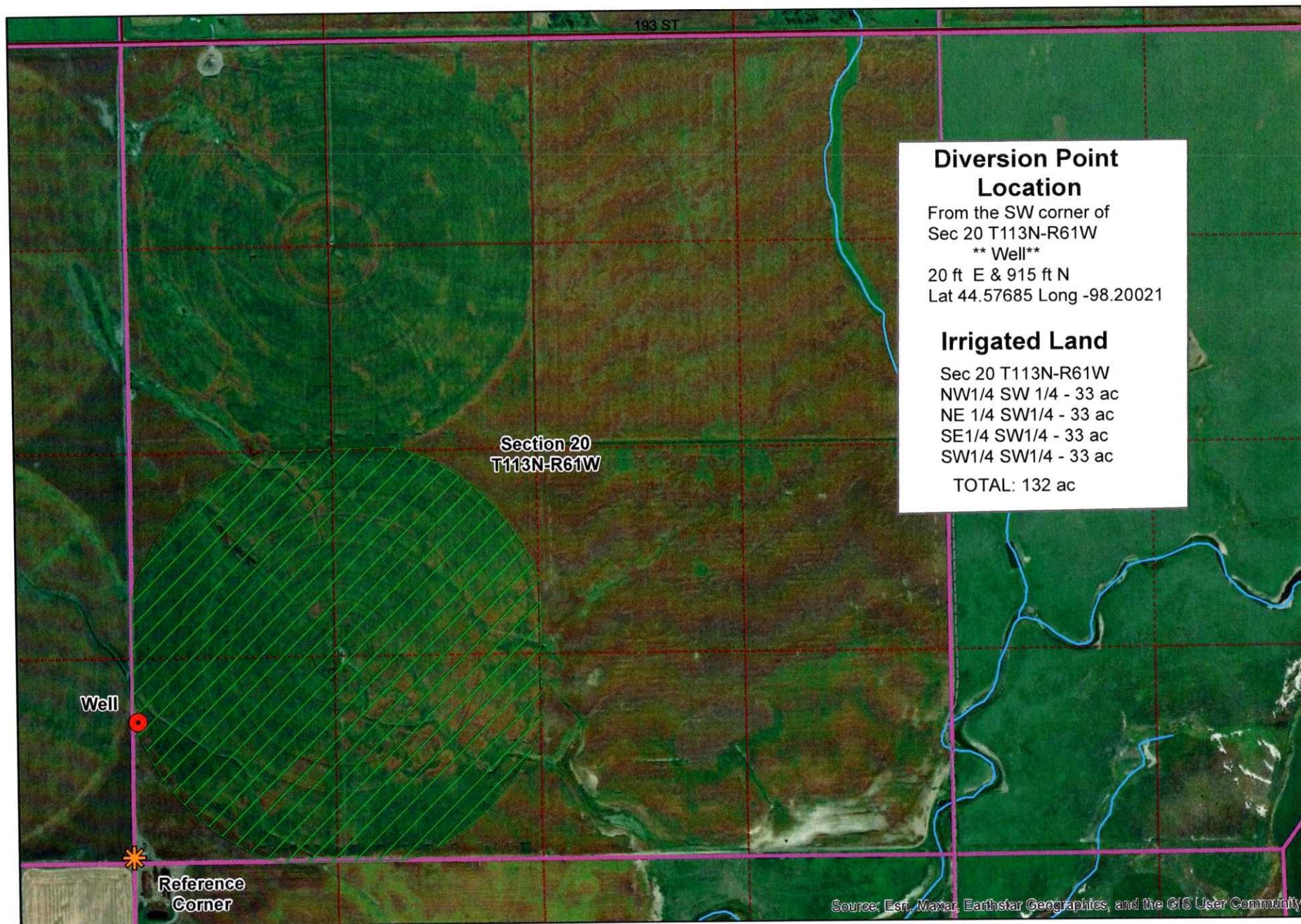
Amanda Dewell, Permitting Administrator
Water Rights Program

The Chief Engineer makes a finding pursuant SDCL 46-5-13.1 and ARSD 74:02:01:14.01 that:

This change in location and/or additional diversion point(s) does not increase the potential for adverse effects to existing diversions.



Eric Gronlund, Chief Engineer
Water Rights Program



0.5

0.25

0

0.5 Miles

Mark D Rath
Water Right Inspector
DANR-Water Rights Program



**DEPARTMENT of AGRICULTURE
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523 E CAPITOL AVE
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JUL 24 2024

7365-3, 7366-3, 7369A-3
7369B-3, 7369C-3, 7370-3

Huron Hutterian Brethren
c/o Joey Waldner
40068 Huron Colony Ln
Huron SD 57350

Dear Mr. Waldner:

Enclosed are Water License Nos. 7365-3, 7366-3, 7369A-3, 7369B-3, 7369C-3, and 7370-3. These are the final water right document completing the process of obtaining Water Rights. Included with your licenses are maps prepared by the staff engineer who conducted the field investigations.

For your information SDCL 46-6-27 requires that if in the future, the owner of an existing well, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

So long as you use the water beneficially, as stated in the Water Licenses, State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

Eric Gronlund, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 7365-3

(1) Huron Hutterian Brethren Inc., c/o Joey Waldner, 40068 Huron Colony Lane, Huron SD 57350, made Application No. 7365-3, May 31, 2012, for a water permit to divert 1.78 cubic feet of water per second from groundwater, one well (Tulare: East James Aquifer), Beadle County, South Dakota for irrigation purposes. Permit No. 7365-3, with a priority date of May 31, 2012, was approved December 6, 2012, and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before December 6, 2017, and for the application to beneficial use of water on or before December 6, 2021.

An investigation conducted for licensing purposes found the diversion point developed outside of the permitted area. Pursuant to SDCL 46-5-13.1 and ARSD 74:02:01:14.01, the Chief Engineer made a finding that the change in the diversion point location did not increase the potential for adverse effects to existing diversions.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 0.89 cubic feet of water per second for beneficial use. The location of the diversion point is:

- 20 ft E & 915 ft N of the SW corner Section 20, T113N, R61W (SW $\frac{1}{4}$ SW $\frac{1}{4}$)
(Latitude 44.57685 & Longitude -98.20021)

(3) The amount of appropriation may not exceed 2 acre-feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1 – October 31.

(4) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate to following land:

Section 20, T113N, R61W	
NE $\frac{1}{4}$ SW $\frac{1}{4}$	33 acres
NW $\frac{1}{4}$ SW $\frac{1}{4}$	33 acres
SW $\frac{1}{4}$ SW $\frac{1}{4}$	33 acres
SE $\frac{1}{4}$ SW $\frac{1}{4}$	33 acres
TOTAL: 132 acres	

(5) Pursuant to South Dakota Water Law 46-5-30.1 Huron Hutterian Brethren Inc., c/o Joey Waldner, the holder and/or owner of Water Right No. 7365-3 is issued a license to appropriate water, the right to use 0.89 cubic feet of water per second from groundwater, one well (Tulare: East James Aquifer), with a priority date of May 31, 2012, from the location specified in (2) of this license for irrigation purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 7365-3 and subject to the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.

continued

2. The well authorized by Permit No. 7356-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall 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. *(The well was drilled in 2013 by Kaiser Well Drilling Inc. A copy of the well completion report is on file with the Water Rights Program.)*
3. This Water Right is approved subject to the irrigation water use questionnaire being submitted each year.

Eric Gronlund
Eric Gronlund, Chief Engineer
Water Rights Program
Department of Agriculture and Natural Resources

JUL 23 2024
date

