

MEMORANDUM

Date: August 26, 2024
To: Transfer 89018
From: Jake Nebeker
Re: Review & Evaluation of Sufficiency of Information

The purpose of this transfer is to change the place of use and point of diversion for a 3.5-acre split portion of water right no. 29-7009. The split portion will be relocated from the Eastern Snake Plain Aquifer (ESPA) to the Marsh Creek Aquifer (MCA). The new water right (split portion) has been assigned water right no. 29-14530.

Authority to File:

The applicants have provided a deed showing that this water right was withheld from the sale of the current place of use. Bannock County tax lot data shows Rick Mowrey, one of the applicants, as the landowner of the proposed place of use and point of diversion. The applicants have authority to make the change.

Water Right Validity:

The right included in this transfer was decreed in the SRBA in 2004. Review of 2006, 2011, 2017 aerial photography shows growing vegetation on the current place of use. In an email response, the applicant stated that they irrigated the current place of use from 2018 to 2020 for a horse pasture prior to the sale of the property in March of 2021. Forfeiture does not appear to be an issue.

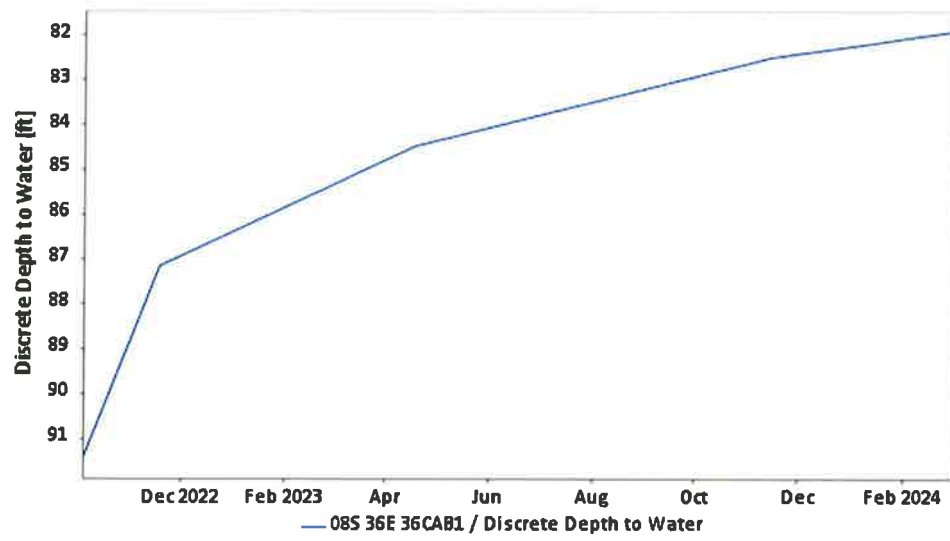
Injury to Other Water Rights:

The proposed change may have a hydrologic impact which may cause injury to existing water right holders in the MCA area. Attached are six monitoring well logs located within the MCA area. The attached data indicates a stable aquifer. Therefore, other rights do not appear to be injured by the proposed change. The quantity authorized to be diverted will not change as a result of this transfer. Since water district 129 does not have an active water master, no water master was contacted. The transfer was advertised without protest.

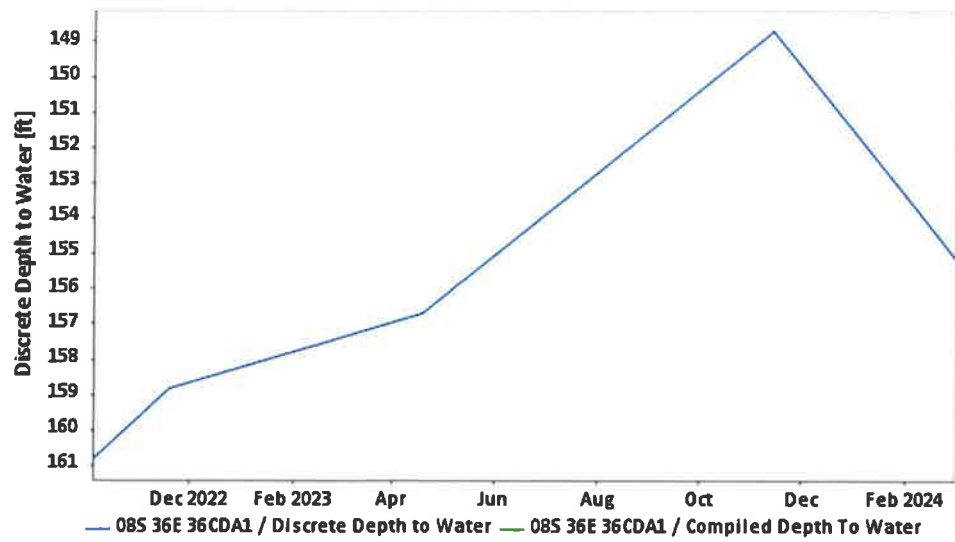
Enlargement of Use:

The proposed change does not appear to result in enlargement because neither rate nor volume nor irrigated acreage will increase as a result of the transfer.

Review of the application finds there is no clear inconsistency with criteria set forth in Section 42-222 Idaho Code preventing processing of this application.



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Generated at: 05/17/2024 04:49:35

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status
				Groundwater	United States	GO	

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Agency code = usgs

site_no list =

- 424312112132201

Minimum number of levels = 1

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USGS 424312112132201 08S 36E 15CDC1

Bannock County, Idaho

Latitude 42°43'12.70", Longitude 112°14'14.60" NAD83

Land-surface elevation 4,603.43 feet above NAVD88

The depth of the well is 233 feet below land surface.

The depth of the hole is 233 feet below land surface.

This well is completed in the Alluvium (112ALVM) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
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Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1976-08-06		D	62610		4508.38	NGVD29	P		S	
1976-08-06		D	62611		4511.84	NAVD88	P		S	
1976-08-06		D	72019	91.59			P		S	
1996-06-24		D	62610		4548.10	NGVD29	P		S	
1996-06-24		D	62611		4551.56	NAVD88	P		S	
1996-06-24		D	72019	51.87			P		S	
1997-07-31		D	62610		4545.83	NGVD29	P		S	
1997-07-31		D	62611		4549.29	NAVD88	P		S	
1997-07-31		D	72019	54.14			P		S	
1998-07-29		D	62610		4572.08	NGVD29	P		S	
1998-07-29		D	62611		4575.54	NAVD88	P		S	
1998-07-29		D	72019	27.89			P		S	
1999-06-24		D	62610		4559.95	NGVD29	P		S	
1999-06-24		D	62611		4563.41	NAVD88	P		S	
1999-06-24		D	72019	40.02			P		S	
2000-06-18		D	62610		4556.89	NGVD29	P		S	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Statu
2000-06-18		D	62611	4560.35	NAVD88	P	S
2000-06-18		D	72019	43.08		P	S
2001-09-07		D	62610	4567.87	NGVD29	P	S USGS
2001-09-07		D	62611	4571.33	NAVD88	P	S USGS
2001-09-07		D	72019	32.10		P	S USGS
2002-07-25		D	62610	4557.75	NGVD29	P	S USGS
2002-07-25		D	62611	4561.21	NAVD88	P	S USGS
2002-07-25		D	72019	42.22		P	S USGS
2003-09-02		D	62610	4548.68	NGVD29	1	V USGS
2003-09-02		D	62611	4552.14	NAVD88	1	V USGS
2003-09-02		D	72019	51.29		1	V USGS
2005-09-30		D	62610	4577.20	NGVD29	1	S USGS
2005-09-30		D	62611	4580.66	NAVD88	1	S USGS
2005-09-30		D	72019	22.77		1	S USGS
2006-07-12		D	62610	4523.53	NGVD29	1	S USGS
2006-07-12		D	62611	4526.99	NAVD88	1	S USGS
2006-07-12		D	72019	76.44		1	S USGS
2009-06-16		D	62610	4548.91	NGVD29	1	V USGS
2009-06-16		D	62611	4552.37	NAVD88	1	V USGS
2009-06-16		D	72019	51.06		1	V USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	V	Calibrated electric-tape measurement.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or Comments

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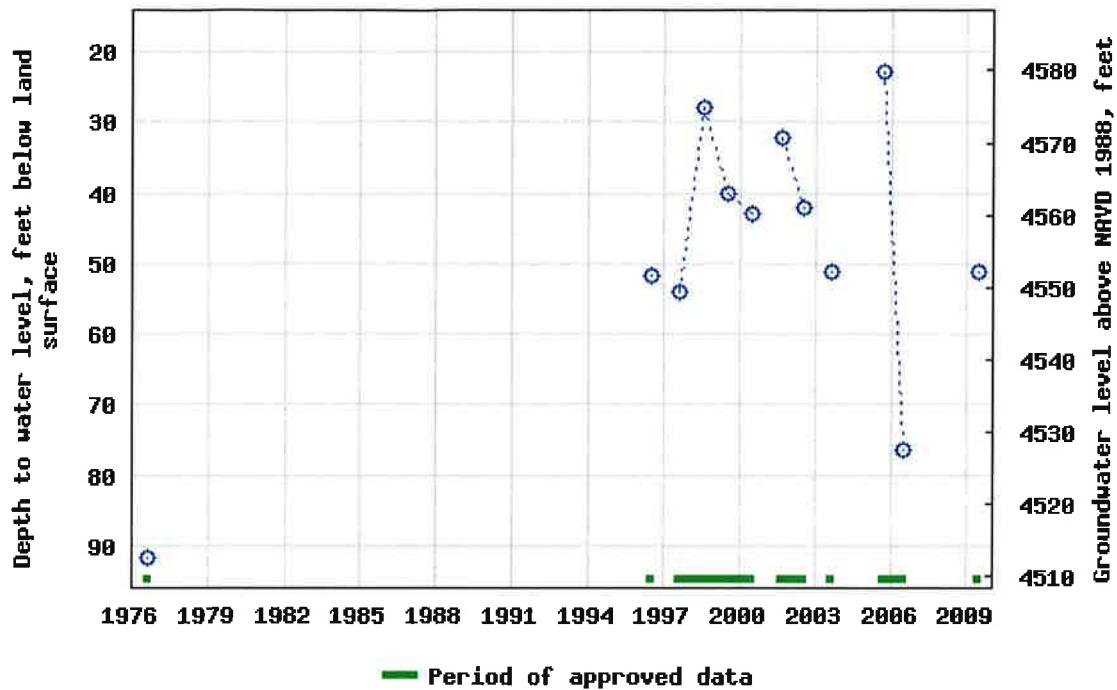
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URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



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3.45 0.83 nadww02



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Agency code = usgs

site_no list =

- 424447112125201

Minimum number of levels = 1

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USGS 424447112125201 08S 36E 11BAA1

Bannock County, Idaho

Latitude 42°44'47.80", Longitude 112°12'52.50" NAD83

Land-surface elevation 4,643.41 feet above NAVD88

The depth of the well is 120 feet below land surface.

The depth of the hole is 120 feet below land surface.

Output formats

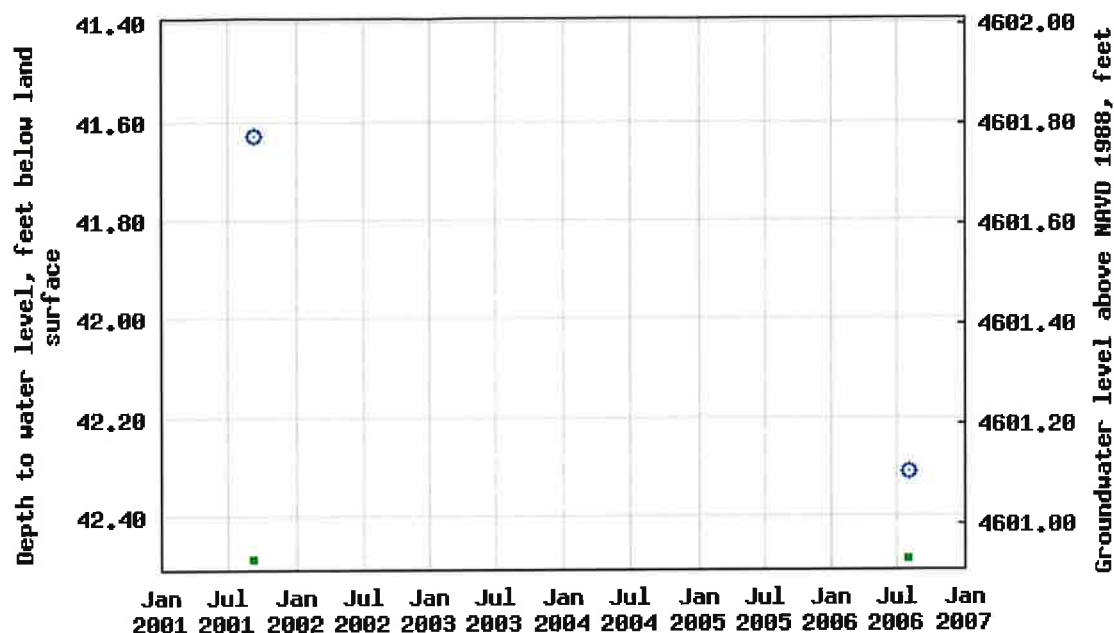
Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement
2001-09-07			D	62610	4598.33	NGVD29	1	S	USGS	
2001-09-07			D	62611	4601.78	NAVD88	1	S	USGS	
2001-09-07			D	72019	41.63		1	S	USGS	
2006-08-02			D	62610	4597.65	NGVD29	1	S	USGS	
2006-08-02			D	62611	4601.10	NAVD88	1	S	USGS	
2006-08-02			D	72019	42.31		1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static

USGS 424447112125201 08S 36E 11BAR1



— Period of approved data

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3.17 0.88 nadww02





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Data Category:
Groundwater

Geographic Area:
United States

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Agency code = usgs

site_no list =

- 423810112112601

Minimum number of levels = 1

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USGS 423810112112601 09S 36E 13DBCD1

Bannock County, Idaho

Latitude 42°38'09.60", Longitude 112°11'29.80" NAD83

Land-surface elevation 4,788.52 feet above NAVD88

The depth of the well is 90 feet below land surface.

The depth of the hole is 90 feet below land surface.

Output formats

[Table of data](#)

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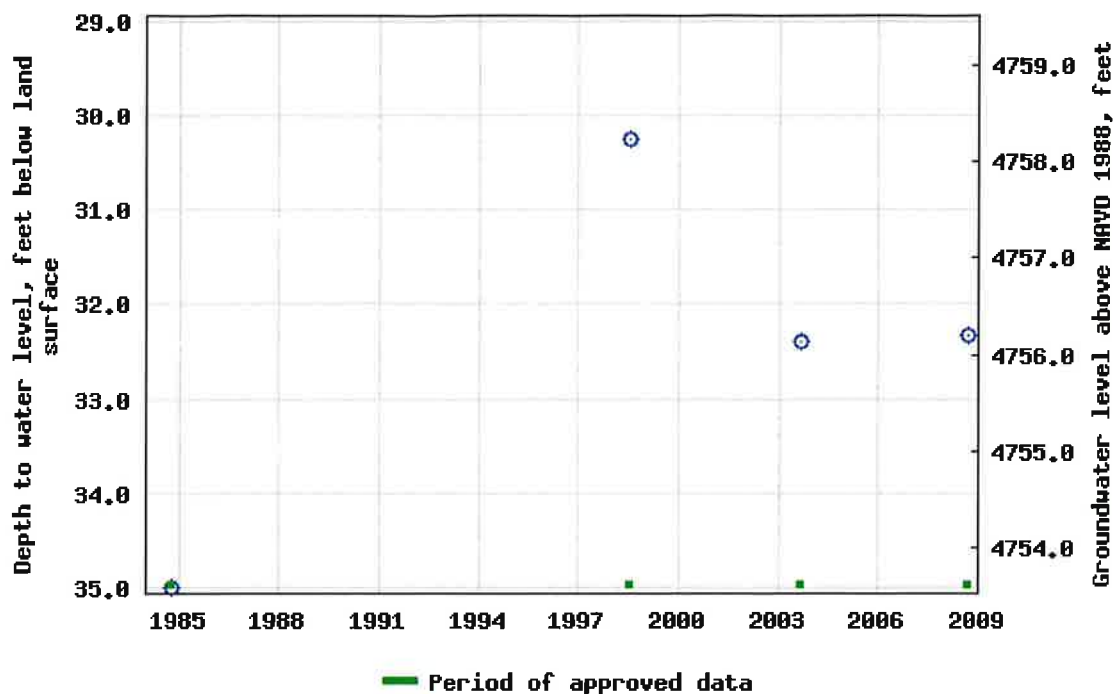
[Reselect period](#)

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1984-10-23			D	62610	4749.98	NGVD29	1		L	
1984-10-23			D	62611	4753.52	NAVD88	1		L	
1984-10-23			D	72019	35.00		1		L	
1998-07-28			D	62610	4754.73	NGVD29	1		S	
1998-07-28			D	62611	4758.27	NAVD88	1		S	
1998-07-28			D	72019	30.25		1		S	
2003-09-10			D	62610	4752.59	NGVD29	1		V	USGS
2003-09-10			D	62611	4756.13	NAVD88	1		V	USGS
2003-09-10			D	72019	32.39		1		V	USGS
2008-09-04			D	62610	4752.66	NGVD29	1		V	USGS
2008-09-04			D	62611	4756.20	NAVD88	1		V	USGS
2008-09-04			D	72019	32.32		1		V	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day

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0.85 0.67 nadww01

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source

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Agency code = usgs

site_no list =

- 423359112111201

Minimum number of levels = 1

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USGS 423359112111201 10S 37E 07CBC1

Bannock County, Idaho

Latitude 42°33'58.70", Longitude 112°11'14.89" NAD83

Land-surface elevation 4,645.51 feet above NAVD88

The depth of the well is 400 feet below land surface.

The depth of the hole is 400 feet below land surface.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source
1968-12-03			D	62610		NGVD29	F	O	USGS	
1968-12-03			D	62611		NAVD88	F	O	USGS	
1968-12-03			D	72019			F	O	USGS	
1974-03-19			D	62610	4629.43	NGVD29	1	S		
1974-03-19			D	62611	4632.95	NAVD88	1	S		
1974-03-19			D	72019	12.56		1	S		
1974-04-18			D	62610	4626.99	NGVD29	P	V		
1974-04-18			D	62611	4630.51	NAVD88	P	V		
1974-04-18			D	72019	15.00		P	V		
1974-05-20			D	62610	4630.16	NGVD29	1	S		
1974-05-20			D	62611	4633.68	NAVD88	1	S		
1974-05-20			D	72019	11.83		1	S		
1974-08-31			D	62610	4628.18	NGVD29	1	S		
1974-08-31			D	62611	4631.70	NAVD88	1	S		
1974-08-31			D	72019	13.81		1	S		
1974-12-11			D	62610	4628.89	NGVD29	1	S		
1974-12-11			D	62611	4632.41	NAVD88	1	S		

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status
1974-12-11	D	72019	13.10		1	S	
1975-02-14	D	62610	4628.89	NGVD29	1	S	
1975-02-14	D	62611	4632.41	NAVD88	1	S	
1975-02-14	D	72019	13.10		1	S	
1975-10-06	D	62610	4628.24	NGVD29	1	S	
1975-10-06	D	62611	4631.76	NAVD88	1	S	
1975-10-06	D	72019	13.75		1	S	
1976-04-01	D	62610	4629.33	NGVD29	1	S	
1976-04-01	D	62611	4632.85	NAVD88	1	S	
1976-04-01	D	72019	12.66		1	S	
1977-04-05	D	62610	4628.69	NGVD29	1	S	
1977-04-05	D	62611	4632.21	NAVD88	1	S	
1977-04-05	D	72019	13.30		1	S	
1977-09-14	D	62610	4628.20	NGVD29	1	S	
1977-09-14	D	62611	4631.72	NAVD88	1	S	
1977-09-14	D	72019	13.79		1	S	
1978-03-22	D	62610	4629.70	NGVD29	1	S	
1978-03-22	D	62611	4633.22	NAVD88	1	S	
1978-03-22	D	72019	12.29		1	S	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	F	Flowing
Status	P	Pumping
Method of measurement	O	Observed.
Method of measurement	S	Steel-tape measurement.
Method of measurement	V	Calibrated electric-tape measurement.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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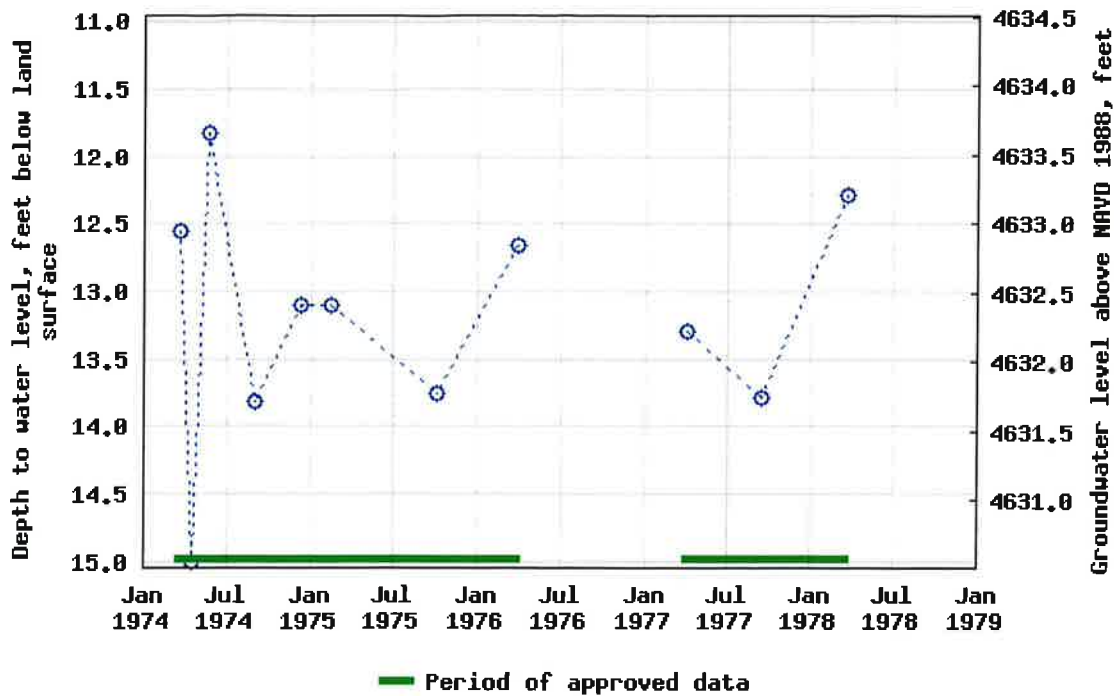
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