

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT
To appropriate the public waters of the State of Idaho

Ident. No. 63-33630

1. Name of applicant(s) Rick and/or Alisa Eaton Phone 208-573-7749
 Name connector (check one): ☐ and ☐ or ☒ and/or
 Mailing address: 372 Eagle Road, #359 City Eagle
 State ID Zip 83616 Email: _____
2. Source of water supply Ground Water which is a tributary of _____
3. Location of point(s) of diversion: _____

Twp	Rge	Sec	Govt Lot	1/4	1/4	1/4	County	Source	Local name or tag #
5N	1E	29			NE	NW	Ada	Ground Water	D025193

4. Water will be used for the following purposes:
- Amount 0.19 for Irrigation purposes from 3/1 to 11/15 (both dates inclusive)
 (cfs or acre-feet per year)
- Amount 0.04 for Domestic purposes from 1/1 to 12/31 (both dates inclusive)
 (cfs or acre-feet per year)
- Amount 0.02 for Stockwater purposes from 1/1 to 12/31 (both dates inclusive)
 (cfs or acre-feet per year)
- Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)
5. Total quantity to be appropriated is (a) 0.25 cubic feet per second (cfs) and/or (b) _____ acre-feet per year (af).
6. Proposed diverting works:
- a. Describe type and size of devices used to divert water from the source. Existing well, pump, sprinkler and drip irrigation
- b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 11.
 For dams 10 feet or more in height OR reservoirs with a total storage capacity of 50 acre-feet or more, submit a separate Application for Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☐ No
- c. Proposed well diameter is 6 inches; proposed depth of well is 457 feet.
- d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☒ No
- e. If well is already drilled, when? 10/30/2002; drilling firm Treasure Valley Drilling #560
 Well was drilled for (well owner) Homan Land Development; Drilling Permit No. 786738
7. Description of proposed uses (if irrigation only, go to item 8):
- a. Hydropower; show total feet of head and proposed capacity in kW. _____
- b. Stockwatering; list number and kind of livestock. Up to 5 horses
- c. Municipal; show name of municipality or the applicant's qualifications as a municipal provider. _____
- d. Domestic; show number of households One
- e. Other; describe fully. _____

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WATER RESOURCES
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8. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
5N	1E	29					5.5	0.5		3.5									9.5
							D												
							S	S		S									

Total number of acres to be irrigated: 9.5

9. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping? None

10. a. Who owns the property at the point of diversion? Applicants
- b. Who owns the land to be irrigated or place of use? Applicants
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: _____

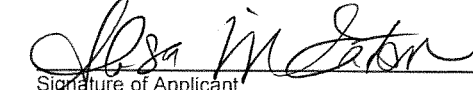
11. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary. Place of use is also known as Parcel E, Lot 13 and a portion of Lot 14, Block 1, Highlander Estates Subdivision.

Water bearing zone to be appropriated is from 275 to 457 feet. Please note that the drilling report erroneously lists the well in Section 20 rather than Section 29.

12. Time required for completion of works and application of water to proposed beneficial use is 5 years (minimum 1 year).
13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.


Signature of Applicant
RICK A. EATON
Print Name (and title, if applicable)


Signature of Applicant
Alisa M. Eaton
Print Name (and title, if applicable)

For Department Use:

Received by RS Date 3-28-12 Time 11:40AM Preliminary check by SL
Fee \$ 375- Received by RS Receipt No. W040010 Date 3-28-12

2011 Photo

T5N R1E SEC 29

NWNW

NENW

SWNW

SENW

Legend

-  Proposed POD (existing)
-  Proposed Home
-  Proposed Irrigation & Stock POU

Eaton Application for Permit



0 250 500 Feet



SPF WATER
ENGINEERING

63-33630

No. 5968

RECORD OF SURVEY FOR

MIKE HOMAN

LOTS 1, 2, 4, 12, 13, AND 14, BLOCK 1
OF HIGHLANDER ESTATES SUBDIVISION, A PORTION OF
THE NW 1/4, SECTION 29, TOWNSHIP 6 NORTH, RANGE 1 EAST,
BOISE MERIDIAN, ADA COUNTY, IDAHO
2002

GENERAL LEGEND

- BOUNDARY LINE
- EXISTING LOT LINE
- NEW PROPERTY LINE
- ROAD CENTER LINE
- TYE LINE

- FOUND BRASS CAP
- FOUND ALUMINUM CAP
- FOUND 5/8" REBAR LS 8901
- FOUND 7/2" REBAR LS 8901
- SET 1/2" REBAR W/CAP LS 8901
- EXISTING LOT NUMBER
- EXISTING BEARING AND DISTANCE
- NEW BEARING AND DISTANCE

N12°00'00"W 12.00'
N12°00'00"W 12.00'

CERTIFICATE OF SURVEYOR

I, Craig R. McCullough, do hereby certify that I am a Registered Professional Land Surveyor, Licensed by the State of Idaho, and that this is a reasonably accurate representation of survey as made by me or under my direct supervision, and is in conformity with the laws and rules of the State of Idaho Code 55-1801 through 55-1804.

DATE OF SURVEY: 10/10/02



CERTIFICATE OF COUNTY RECORDER

INSTRUMENT NO. 102125878

STATE OF IDAHO

COUNTY OF ADA

I HEREBY CERTIFY THAT THIS INSTRUMENT WAS FILED FOR RECORD AT THE REQUEST OF MICHAEL S. HUMAN AT THE OFFICE OF THE COUNTY RECORDER ON THIS 29th DAY OF MARCH, 2002.

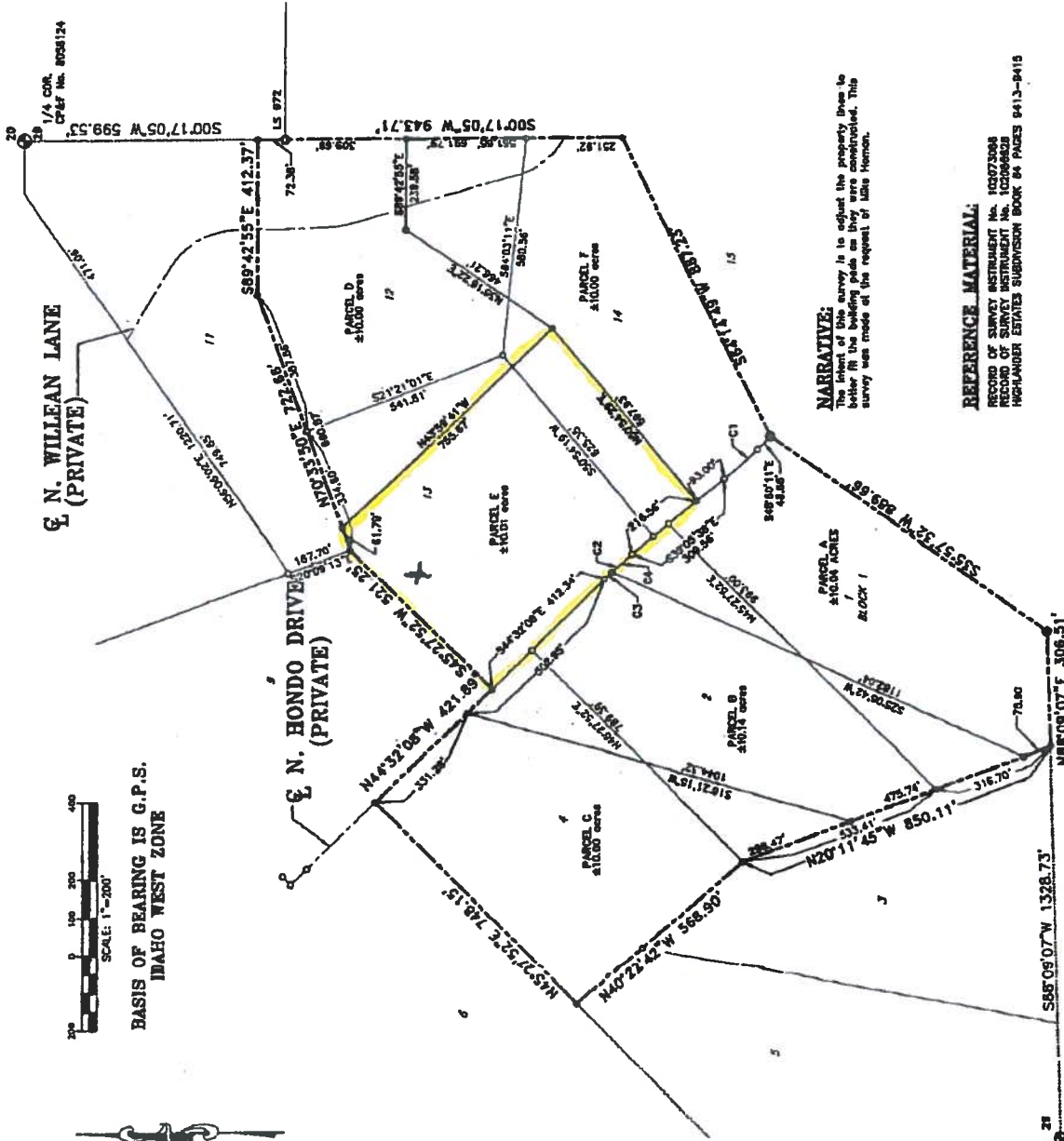
BY: [Signature]

REC'D: 3:00

RECORDING INDEX # 511-28-04-00

PINNACLE
Engineers, Inc.
12032 N. Executive Dr., Suite 8, Boise, Idaho 83713
(208) 987-7780

P:\A_CIVIL\C008145\DWG\C08145_11A.dwg



NARRATIVE:
This is a plat of land survey in accordance with the laws of the State of Idaho, and is in conformity with the laws and rules of the State of Idaho Code 55-1801 through 55-1804. The survey was made of the request of Mike Homan.

REFERENCE MATERIAL:

RECORD OF SURVEY INSTRUMENT NO. 102125878
HIGHLANDER ESTATES SUBDIVISION BOOK 44 PAGES 8413-8415

NUMBER	LENGTH	BEARING	AREA	PERIMETER	CHORD	BEARING
1	114.74	87°00'	12.44	114.74	114.74	87°00'
2	114.74	87°00'	12.44	114.74	114.74	87°00'
3	114.74	87°00'	12.44	114.74	114.74	87°00'
4	114.74	87°00'	12.44	114.74	114.74	87°00'
5	114.74	87°00'	12.44	114.74	114.74	87°00'
6	114.74	87°00'	12.44	114.74	114.74	87°00'
7	114.74	87°00'	12.44	114.74	114.74	87°00'
8	114.74	87°00'	12.44	114.74	114.74	87°00'
9	114.74	87°00'	12.44	114.74	114.74	87°00'
10	114.74	87°00'	12.44	114.74	114.74	87°00'



SCALE: 1"=200'

BASIS OF BEARING IS G.P.S.
IDAHO WEST ZONE

30 28
1/4 COR.
C&G No. 8128018

63-33630

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

786738

Office Use Only			
Inspected by _____			
Twp _____	Rge _____	Sec _____	
_____ 1/4	_____ 1/4	_____ 1/4	
Lat: _____		Long: _____	

1. WELL TAG NO. **D 0025608**

DRILLING PERMIT NO. _____

Other IDWR No. _____

2. OWNER:

Name **Homan Land Development**

Address **2229 W State St. Suite B**

City **Boise** State **ID** Zip **83702**

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N		Twp. 5		North ☒ or South ☐	
W		Rge. 1		East ☒ or West ☐	
E		Sec. 20		NW 1/4 SW 1/4	
S		Gov't Lot _____		County Ada	
		Lat: _____		Long: _____	
Address of Well Site End of Hondo Rd					
City Engle					
(Give at least name of road + Distance to Road or Landmark)					
Lt. 13 Blk. 1 Sub. Name Highlander Estates					

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK: check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES:

Seal/Filter Pack			AMOUNT		METHOD
Material	From	To	Sacks or Pounds		
Bentonite	0	275	1000 lbs	overbore	

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) **455**

Was drive shoe seal tested? ☒ Y ☐ N How? **Air**

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	+2	455	.250	Steel	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS:

☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

214 ft. below ground Artesian pressure _____ lb.
Depth flow encountered **457** ft. Describe access port or control devices: **cap**

11. WELL TESTS:

Yield gal./min.	Drawdown	Pumping Level	Time
100	254	440	1 hr

Water Temp. **56** Bottom hole temp. **56**

Water Quality test or comments: _____

Depth first Water Encounter **275**

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	N
8	0	2	TOP SOIL		
8	2	6	HARD PAN		
8	6	275	SAND, CLAY STRIPS		
6	275	451	SAND w/ CLAY STRIPS	X	
6	451	457	BLUE CLAY		
6	457		SAND	X	

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Completed Depth **457** (Measurable)
Date: Started **10/28/2002** Completed **10/30/2002**

13. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name **Treasure Valley Drilling** Firm No. **560**

Firm Official **[Signature]** Date **10/31/2002**

and Driller or Operator **[Signature]** Date **10/31/2002**

(Sign once if Firm Official & Operator)

* well located in section 29 rather than section 20 as listed above

Pearson, Mandi

From: Pearson, Mandi
Sent: Thursday, May 31, 2012 11:45 AM
To: 'legals@idahostatesman.com'
Subject: Legal Ad
Attachments: Ada County Cover Letter.docx; Ada County Legal Ad.docx

Janice,

Please see attached legal ad to run 6/7 and 6/14. Please confirm that it is ok to publish as shown.
Thanks so much!

Mandi Pearson
Office Specialist 2
Idaho Department of Water Resources, Western Region
208-334-2190 (ph)
208-334-2348 (fax)

legal notice

May 31, 2012

LEGAL NOTICE DEPARTMENT
IDAHO STATESMAN
PO BOX 40
BOISE, ID 83707

RE: Application For Permit No.(s): **63-33630**

Dear Legal Notice Department:

Please publish the enclosed legal notice on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 6/25/2012. Your cooperation is appreciated.

Sincerely,

Mandi Pearson
Office Specialist II

Enclosure(s)

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

63-33630

RICK EATON
ALISA EATON
372 EAGLE RD #359
EAGLE, ID 83616

Point of Diversion NENW S29 T05N R01E ADA County Source GROUND WATER Tributary
Use: DOMESTIC 01/01 to 12/31 0.04 CFS, IRRIGATION 03/01 to 11/15 0.19 CFS, STOCKWATER 01/01 to 12/31 0.02 CFS
Total Diversion: 0.25 CFS
Date Filed: 3/28/2012
Place Of Use: IRRIGATION, STOCKWATER
T05N R01E S29 NENW NWNW SENW
Place Of Use: DOMESTIC
T05N R01E S29 NE NW
Total Acres: 9.5
Water bearing zone to be appropriated is from 275 to 457 feet.

Permits will be subject to all prior water rights. For additional information concerning the property location, contact Western Region office at (208) 334-2190. Protests may be submitted based on the criteria of Idaho Code § 42-203A. Any protest against the approval of this application must be filed with the Director, Dept. of Water Resources, Western Region, 2735 Airport Wy, Boise ID 83705 together with a protest fee of \$25.00 for each application on or before 6/25/2012. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Interim Director

Published on 6/7/2012 and 6/14/2012



March 27, 2012

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MAR 28 2012

WATER RESOURCES
WESTERN REGION

Steve Lester
IDWR Western Region Office
2735 Airport Way
Boise, ID 83705

Subject: Application for Permit

Dear Steve,

Enclosed on behalf of Rick and Alisa Eaton, is an *Application for Permit* seeking authorization to use their existing domestic well for irrigation, stockwater and domestic uses.

Check No. 2011 for \$375 is enclosed for the \$250 filing fee and \$125 well upgrade fee. Thank you very much for your consideration and assistance in this matter. Please call me if you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "Lori Graves".

Lori Graves
Water Rights Specialist

Cc: Rick Eaton

Enclosures

SPF file number: 964.0010

MEMORANDUM

To: Steve Lester 

From: Dennis Owsley 

Subject: Applications in Section 29, Township 05N, Range 01E

Date: 12/19/11

The Hydrology section received your request to comment on water availability as it relates to seven water right applications in Township 05N, Range 01E, Section 29. The area of interest is north of Eagle, in the foothills on the north side of the Boise River valley. The proposed applications are sought for irrigation, domestic, and stockwater purposes, with diversion rates ranging from 0.18 to 0.40 cfs. The total amount of water proposed for diversion is 1.86 cfs. Proposed well depths range from 225' to 600' below land surface.

You requested input relative to the following questions:

1. Based on available information, is it more likely or less likely that a minor amount of ground water is available in that area?
2. Are there any troubling ground water trends in that area?

Water Availability

Approximately 70 domestic wells exist in Section 29, as residents in the area rely on individual domestic wells for potable water. Surface water irrigation is limited in the area of interest, with multiple irrigation wells existing in the area. The nearest canal (Capitol View) is approximately one-half mile to the south of Section 29, and the Farmer's Union Canal is approximately one mile south. Neither canal system provides surface water to irrigated lands in Section 29. Therefore, based on the numerous wells and the lack of a surface water conveyance mechanism to Section 29, ground water is the primary water source for both irrigation and domestic purposes.

The combined diversion rate of 1.86 cfs for the seven applications of interest represent an increase in the authorized diversion rate of 35 percent. There are currently 83 water rights, permits, or applications in Section 29. The total authorized maximum diversion rate of the combined permits and water rights equals 5.27 cfs. The largest existing water right diversion rate is 0.18 cfs, matching the smallest diversion rate proposed through these applications.

The recent water right application for M3 Eagle, LLC (63-32573) proposes a large withdrawal rate from the target (deep) aquifer for a proposed housing development. If the application is approved, supply wells for the development could be placed adjacent to Section 29, as the M3 property borders Section 29 and the locations and withdrawal rates of the individual supply wells have not been specified. A large supply well installed on the southwest portion of the property could significantly increase the total rate of diversion in the area of interest.

*Hydrology Section memo c previous
Appls same AREA
-SL*

Water Level Trends

As shown in the supporting documentation, water level trends in wells completed in areas where surface water application occurs are distinctly different from trends in wells completed in areas in which surface water application does not occur (i.e. Section 29). A primary difference is the timing of the seasonal high and low water levels; the seasonal high water level occurs at the end of the irrigation season in wells that are located in surface water irrigated areas, whereas wells completed in areas of no surface water application exhibit seasonal lows at the end of the irrigation season. Also, wells completed in areas of surface water irrigation are characterized by stable or rising water levels, whereas wells in non-surface water irrigated areas have slightly declining water levels.

Although the period of record is brief, the hydrographs presented in the supporting documentation represent the best available information at this time. Regression analysis indicates that water levels in all of the monitored wells in Section 29 have declined slightly in recent years. Although the trends are slight, they are apparent in this section and absent in wells completed to the south that show stable or slightly rising water levels. Figure 1 shows the location of the wells with rising and falling water level trends.

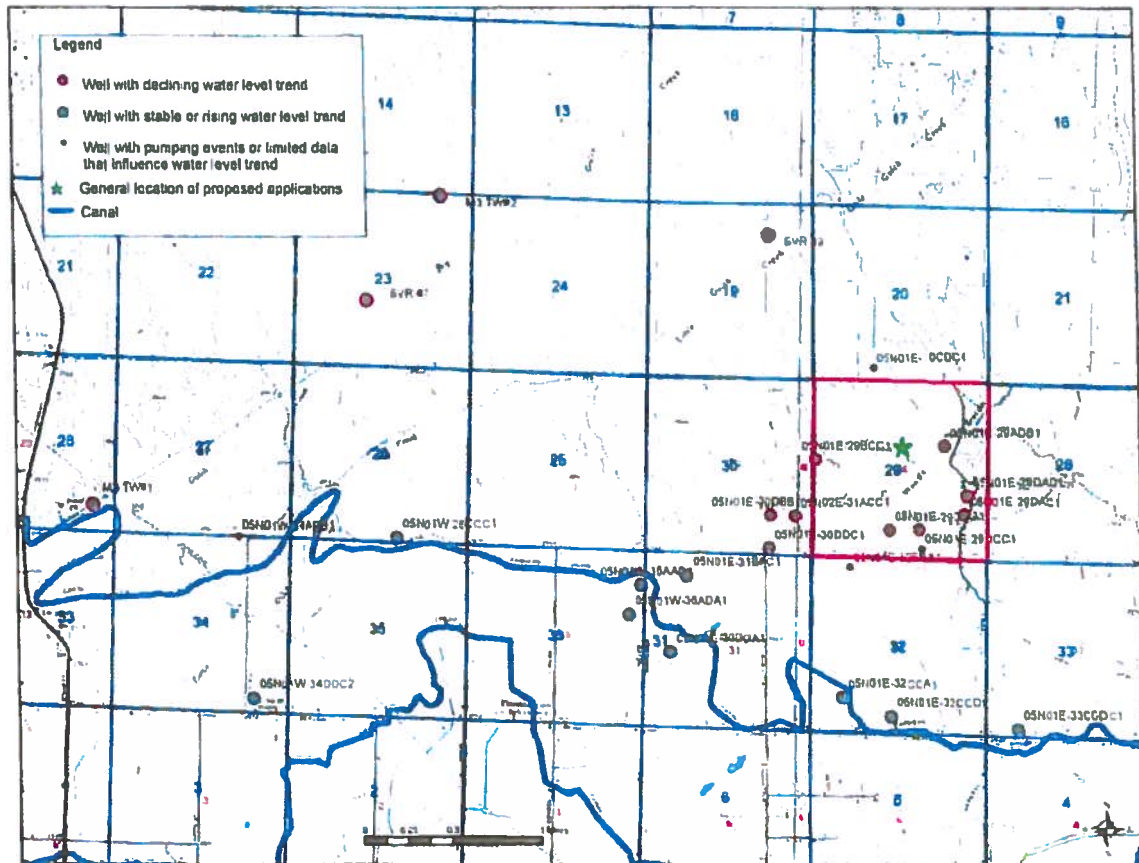


Figure 1. Map of wells in the area of the applications. Section 29 is highlighted in red.

In addition to the hydrographs presented in the supporting documentation, water level data for the four closest wells associated with the nearby proposed M3 development were plotted. The wells associated with the proposed development are all dedicated monitoring wells and have periods of record longer than the hydrographs submitted in the supporting documentation. All four wells display negative trends; however the well furthest to the west (M3 TW#1) shows only a slight downward trend. The three monitoring wells closest to the application area show distinct downward trends, similar to the trends noted in Section 29.

A previous investigation in the Treasure Valley concluded that recharge to the target (deep) aquifer is limited (Petrich and Urban, 2004). Precipitation data collected by the National Oceanic and Atmospheric Administration (NOAA) at the closest climate station (Boise 7N) indicate that the annual precipitation has been below normal for three of the previous four years (NOAA, 2011).

To ensure that seasonal fluctuations are not influencing the trend analysis, trend lines were developed for the seasonal water level measurements from the seven wells completed in Section 29. Figure 2 is a plot for well 05N01E29ADB1, which is the well closest to the area of proposed ground water development and has the longest water level record for the area. As shown in Figure 2, the overall downward trend matches well with the seasonal downward trends. With only a few exceptions, the same seasonal trends are apparent in all of the hydrographs from wells in Section 29 (Table 1).

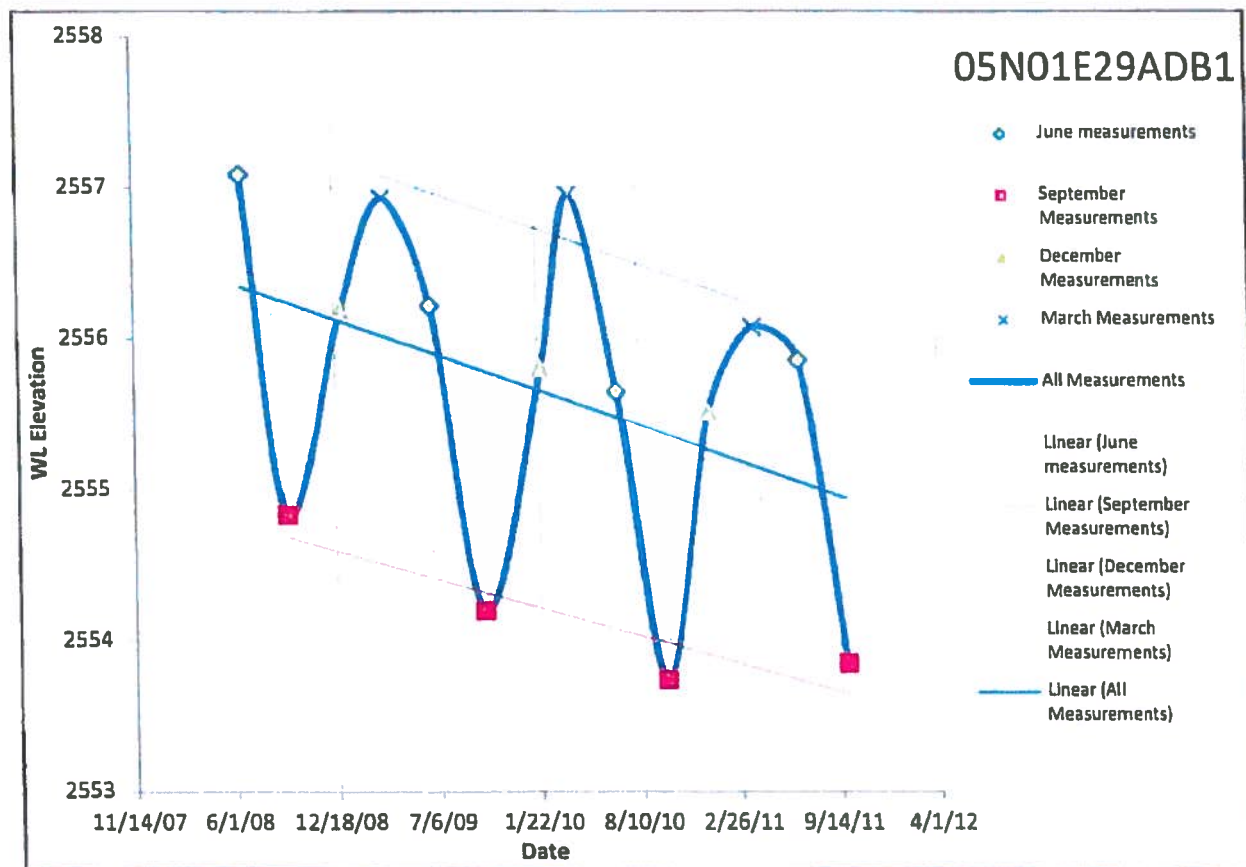


Figure 2. Trend analysis for well 05N01E29ADB1.

Table 1. Summary of trend line slopes.

Well Number in Supporting Documentation*	IDWR Well Number	Slope of Trendline (all data)	Slope of trendline (spring data)	Slope of trendline (summer data)	Slope of trendline (fall data)	Slope of trendline (winter data)
1	05N01E29BCC1	-0.26	-0.33	-0.26	-0.26	-0.15
2	05N01E29CDA1	-1.02	-0.26	-0.15	-0.40	-1.68
3	05N01E29DAC1	-0.26	-0.40	0.01	-0.33	-0.26
4	05N01E29DAD1	-0.44	-0.40	-0.11	-0.15	-0.29
5	05N01E29DCB1	-0.33	-0.66	0.00	-0.40	0.11
6*	05N01E29DCC1	-0.18	-0.58	0.11	-0.07	-0.18
7	05N01E30DBB1	-0.15	NA	NA	NA	NA
8	05N01E30DDA1	-0.26	NA	NA	NA	NA
9	05N01E30DDC1	-0.26	NA	NA	NA	NA
10	05N01E31BAC1	0.26	NA	NA	NA	NA
11	05N01E31CBA1	0.37	NA	NA	NA	NA
12*	05N01E32BBA1	-2.74	NA	NA	NA	NA
13*	05N01E32CCA1	1.06	NA	NA	NA	NA
14	05N01E32CCD1	0.33	NA	NA	NA	NA
15	05N01E33CCDC1	0.29	NA	NA	NA	NA
16	05N01W26DCC1	0.04	NA	NA	NA	NA
17*	05N01W34ABB1	-0.80	NA	NA	NA	NA
18*	05N01W34DDC2	-2.66	NA	NA	NA	NA
19	05N01W36AAD1	0.66	NA	NA	NA	NA
20	05N01W36ADA1	0.73	NA	NA	NA	NA
21*	05N01E20CDC1	0.29	NA	NA	NA	NA
22	05N01E29ADB1	-0.44	-0.44	-0.44	-0.33	-0.33
NA	SVR #9	-0.48	NA	NA	NA	NA
NA	M3 TW#2	-0.44	NA	NA	NA	NA
NA	SVR #7	-0.33	NA	NA	NA	NA
NA	M3 TW#1	-0.19	NA	NA	NA	NA

* Pumping during seasonal measurements influenced overall trend.

Conclusions

Based on the above analysis, my responses to your questions are as follows:

Question 1: *Based on available information, is it more likely or less likely that a minor amount of ground water is available for the area?*

Response: Based on the water level trends described above and conclusions made by previous investigators that recharge to the deep aquifer is limited, it is not likely that the aquifer could support a significant increase in the rate of withdrawal. However, the rate of decline is relatively small as compared to the saturated thickness of the aquifer and the period of record is limited and includes the period of recent drought conditions. It is reasonable to assume that a minor increase in the rate of withdrawal from the aquifer could be sustained.

Question 2: *Are there any troubling ground water trends in that area?*

Response: As discussed above, the water level monitoring data that have been collected by the Department over the past three years indicate wells in this area are slightly declining. Although the period of record is brief, the observed trends match data from monitoring wells from a nearby development, implicating an area-wide phenomenon. Although the trends are slight (average decline is approximately 0.3 ft/year), the data indicate that the rate of recharge rates has been exceeded by rate of withdrawal.

The cause of the local declines are not fully understood at this point, but it is predicted that in the absence of increased recharge, an increase in demand on ground water pumping in the area would cause the rate of decline to increase. If the applications are going to be approved, it is recommended that the ongoing monitoring program be extended and expanded as proposed in the supporting documentation for the applications

References

National Oceanic and Atmospheric Administration (NOAA), 2011. Online Database of Annual Climatological Summary, Station Boise 7N.

Petrich, C. and Urban, S., 2004. Characterization of Ground Water Flow in the Lower Boise River Basin. Idaho Water Resources Research Institute Research Report IWRI-2004-01.

See file 63-33575
for add'l graphs, etc
associated w/ this memo