

NO. 63-33444

Maximum Diversion Rate: 0.24 CFS

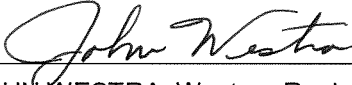
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State of Idaho
Department of Water Resources
Permit to Appropriate Water
NO. 63-33444

CONDITIONS OF APPROVAL

1. Proof of application of water to beneficial use shall be submitted on or before **January 01, 2017**.
2. Subject to all prior water rights.
3. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which the permit holder had no control.
4. Domestic use is for 1 home.
5. Stockwater use is for 5 horses.
6. This right is limited to the irrigation of 9 acres within the authorized place of use in a single irrigation season.
7. This right when combined with all other rights shall provide no more than 0.02 cfs per acre or more than 4.5 afa per acre at the field headgate for irrigation of the place of use.
8. Point of diversion and place of use are located within Lot 2, Beckman Estates Subdivision.
9. This right does not grant any right-of-way or easement across the land of another.
10. Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code and applicable Well Construction Rules of the Department.
11. To prevent injury to prior water rights appropriating water from the Boise River and/or the underlying shallow aquifer tributary to the Boise River, the new well used as a point of diversion for this water right located within Township 05N, Range 01E, Section 29, SWNE, shall be constructed and maintained with unperforated casing and sealed into the first significant confining layer located 200 feet or more below ground surface.
12. Water bearing zone to be appropriated is from 200 to 600 feet.
13. After specific notification by the Department, the right holder shall participate in a Department approved ground water monitoring plan.
14. After specific notification by the Department, the right holder shall install a suitable measuring device or shall enter into an agreement with the Department to use power records to determine the amount of water diverted and shall annually report the information to the Department.
15. The Director retains jurisdiction to require the right holder to provide purchased or leased natural flow or stored water to offset depletion of Lower Snake River flows if needed for salmon migration purposes. The amount of water required to be released into the Snake River or a tributary, if needed for this purpose, will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this permit.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code. Witness the signature of the Director, affixed at Boise, this 10th day of January, 2012.


JOHN WESTRA, Western Regional Manager



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

January 10, 2012

BECKMAN ESTATES LLC
C/O BRUCE SMITH
MOORE SMITH BUXTON & TURKE
950 W BANNOCK STE 520
BOISE ID 83702-6118

RE: Permit No(s). 63-33441, 63-33442, 63-33443 & 63-33444

Permit Approval Notice

Dear Permit Holder:

The Department of Water Resources has issued the enclosed permits authorizing you to establish a new water right. Please be sure to thoroughly review the conditions of approval and remarks listed on your permits.

The permits are PRELIMINARY ORDERS issued by the Department pursuant to Section 67-5243, Idaho Code. They can and will become final orders without further action by the Department unless a party petitions for reconsideration or files an exception and/or brief within fourteen (14) days of the service date as described in the enclosed information sheet.

As a permit owner you must commence the excavation or construction of the diverting works within one year of the date the permits were issued, and you must proceed diligently until the project is completed. The date shown under condition no. 1 is the date when the project must be completed.

The Department will send you a 'Proof Due Notice' approximately 60 days prior to the above referenced date requesting you to file either a Proof of Beneficial Use form or a Request for Extension of Time form.

The right to drill a well is not a part of these permits to appropriate water. Beginning in July of 1987, a statute was enacted which requires a drilling permit for new well construction and deepening of existing wells. If the well(s) proposed for use under these water right permits were drilled or deepened after July 1, 1987, a separate drilling permit must be obtained from this Department. Please contact the Ground Water Protection Section located here at this office or our regional office nearest you.

Also, please note that water right owners are required to report any change of water right ownership and/or mailing address to the Department within 120 days of the change. Failure to report these changes could result in a \$100 late filing fee. Contact any office of the Department or visit the Department's homepage on the Internet to obtain the proper forms and instructions.

If you have any questions, please contact me at 208-334-2190.

Sincerely,


for John Westra
Western Regional Manager

Enclosure(s)

cc: SPF WATER ENGINEERING LLC

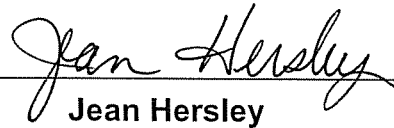
CERTIFICATE OF SERVICE

I hereby certify that on January 10, 2012 I mailed a true and correct copy, postage prepaid, of the foregoing PRELIMINARY ORDER(Approved Permit) to the person(s) listed below:

RE: WATER RIGHT NO. 63-33441, 63-33442, 63-33443 63-33444

**BECKMAN ESTATES LLC
C/O BRUCE SMITH
MOORE SMITH BUXTON & TURKE
950 W BANNOCK STE 520
BOISE ID 83702-6118**

**SPF WATER ENGINEERING LLC
C/O ROXANNE BROWN
300 E MALLARD DR, STE 350
BOISE ID 83706**

A handwritten signature in cursive script, reading "Jean Hersley", is written over a horizontal line.

**Jean Hersley
Office Specialist II**

EXPLANATORY INFORMATION TO ACCOMPANY A PRELIMINARY ORDER

(To be used in connection with actions when a hearing was **not** held)

(Required by Rule of Procedure 730.02)

The accompanying order or approved document is a "**Preliminary Order**" issued by the department pursuant to section 67-5243, Idaho Code. **It can and will become a final order without further action of the Department of Water Resources ("department") unless a party petitions for reconsideration, files an exception and brief, or requests a hearing as further described below:**

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the department within fourteen (14) days of the service date of this order. **Note: the petition must be received by the department within this fourteen (14) day period.** The department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See Section 67-5243(3) Idaho Code.

EXCEPTIONS AND BRIEFS

Within fourteen (14) days after: (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding with the Director. Otherwise, this preliminary order will become a final order of the agency.

REQUEST FOR HEARING

Unless a right to a hearing before the Department or the Water Resource Board is otherwise provided by statute, any person aggrieved by any final decision, determination, order or action of the Director of the Department and who has not previously been afforded an opportunity for a hearing on the matter may request a hearing pursuant to section 42-1701A(3), Idaho Code. A written petition contesting the action of the Director and requesting a hearing shall be filed within fifteen (15) days after receipt of the denial or conditional approval.

ORAL ARGUMENT

If the Director grants a petition to review the preliminary order, the Director shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Director will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Director orders otherwise, all oral arguments will be heard in Boise, Idaho.

CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Director in connection with the preliminary order shall be served on all other parties to the proceedings in accordance with IDAPA Rules 37.01.01302 and 37.01.01303 (Rules of Procedure 302 and 303).

FINAL ORDER

The Director will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Director may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

Unless a different date is stated in a final order, the order is effective fourteen (14) days after its service date if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:

- (a) The petition for reconsideration is disposed of; or
- (b) The petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

- i. A hearing was held,
- ii. The final agency action was taken,
- iii. The party seeking review of the order resides, or
- iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

LEGAL PROOF OF PUBLICATION

RECEIVED

DEC 30 2011

WATER RESOURCES
WESTERN REGION

Account #	Ad Number	Identification	PO	Amount	Cols	Lines
47628	0000579673	LEGAL NOTICE	Camp	\$551.64	2	162

Attention: Sherry Borgeman

IDAHO DEPT WATER RESOURCE

2735 AIRPORT WAY

BOISE ID 83705

LEGAL NOTICE

The following applications have been filed to incorporate the public use of the State of Iowa:

[illegible][illegible]

93 33440
DALE FAMILY TRUST
C/O WILLIAM M DALE
5400 N 10TH AVE
EAGLE, ID 83625
Front of Jackson TWPAY S/W 10TH RAIL NW 6th Grade Source
ADJUTANT GEN. Treasury 3/10/11-12/21 0.01298
US 1000 05/11/11-11/19 0.18298
US 1000 07/11/11-12/21 0.02298
Total 0.21794
File No 11/25/10
File # of the ACCOUNT ECONOMIC AND GEOGRAPHER
C/O WILLIAM M DALE
5400 N 10TH AVE
EAGLE, ID 83625
Water using pipe to be aggregated is from 2299 to 609 feet

[illegible][illegible][illegible][illegible][illegible][illegible]

For Oct. 19, 22, 24, 25, 26, 27, 28, 29, 30, 31, 1901

JANICE HILDRETH, being duly sworn, deposes and says: That she is the Principal Clerk of The Idaho Statesman, a daily newspaper printed and published at Boise, Ada County, State of Idaho, and having a general circulation therein, and which said newspaper has been continuously and uninterruptedly published in said County during a period of twelve consecutive months prior to the first publication of the notice, a copy of which is attached hereto: that said notice was published in The Idaho Statesman, in conformity with Section 60-108, Idaho Code, as amended, for:

2 Insertions

Beginning issue of: 12/15/2011

Ending issue of: 12/22/2011

Janice Eldred
(Legals Clerk)

STATE OF IDAHO)

..SS

COUNTY OF ADA)

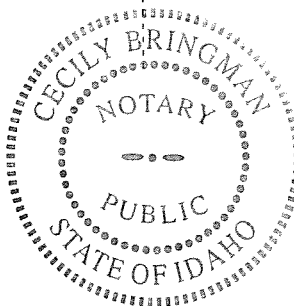
On this 22 day of December in the year of 2011 before me, a Notary Public, personally appeared before me Janice Hildreth known or identified to me to be the person whose name subscribed to the within instrument, and being by first duly sworn, declared that the statements therein are true, and acknowledged to me that she executed the same.

Cecily Brug

Notary Public for Idaho
Residing at: Boise, Idaho

My Commission expires:

827-15



LEGAL NOTICE

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

63-33438

ED CAMP

JAN CAMP

5377 N HONDO LN

EAGLE, ID 83616

Point of Diversion SENW S29 T05N R01E ADA County Source

GROUND WATER Tributary

Use: DOMESTIC 01/01 to 12/31 0.04 CFS

Use: IRRIGATION 03/01 to 11/15 0.18 CFS

Use: STOCKWATER 01/01 to 12/31 0.02 CFS

Total Diversion: 0.18 CFS

Date Filed: 11/2/2010

Place Of Use: IRRIGATION, DOMESTIC AND STOCKWATER

T05N R01E S29 SENW

Total Acres: 9

Water bearing zone to be appropriated is from 278 to 345 feet.

63-33439

WILLIAM M DALE

LAUREN J DALE

5508 N HONDO LN

EAGLE, ID 83616

Point of Diversion NWNW S29 T05N R01E ADA County Source

GROUND WATER Tributary

Use: DOMESTIC 01/01 to 12/31 0.04 CFS

Use: IRRIGATION 03/01 to 11/15 0.18 CFS

Use: STOCKWATER 01/01 to 12/31 0.02 CFS

Total Diversion: 0.18 CFS

Date Filed: 11/2/2010

Place Of Use: IRRIGATION AND STOCKWATER

T05N R01E S29 NENW NWNW

Place Of Use: DOMESTIC

T05N R01E S29 NWNW

Total Acres: 9

Water bearing zone to be appropriated is from 240 to 480 feet.

63-33440

DALE FAMILY TRUST

C/O WILLIAM M DALE

5508 N HONDO LN

EAGLE, ID 83616

Point of Diversion NWNW S29 T05N R01E ADA County Source

GROUND WATER Tributary

Use: DOMESTIC 01/01 to 12/31 0.04 CFS

Use: IRRIGATION 03/01 to 11/15 0.18 CFS

Use: STOCKWATER 01/01 to 12/31 0.02 CFS

Total Diversion: 0.18 CFS

Date Filed: 11/2/2010

Place Of Use: IRRIGATION, DOMESTIC AND STOCKWATER

T05N R01E S29 NWNW

Total Acres: 10

Water bearing zone to be appropriated is from 200 to 600 feet.

63-33441

BECKMAN ESTATES LLC

C/O BRUCE SMITH

MOORE SMITH BUXTON & TURKE

950 W BANNOCK STE 520

BOISE, ID 83702-6118

Point of Diversion NWNE S29 T05N R01E ADA County Source

GROUND WATER Tributary

Use: DOMESTIC 01/01 to 12/31 0.04 CFS

Use: IRRIGATION 03/01 to 11/15 0.34 CFS

Use: STOCKWATER 01/01 to 12/31 0.02 CFS

Total Diversion: 0.4 CFS

Date Filed: 11/2/2010

Place Of Use: IRRIGATION AND STOCKWATER

T05N R01E S29 NWNE SWNE

Place Of Use: DOMESTIC

T05N R01E S29 NWNE

Total Acres: 19.5

Water bearing zone to be appropriated is from 200 to 600 feet.

63-33442

BECKMAN ESTATES LLC

C/O BRUCE SMITH

MOORE SMITH BUXTON & TURKE

950 W BANNOCK STE 520

BOISE, ID 83702-6118

Point of Diversion SWNE S29 T05N R01E ADA County Source

GROUND WATER Tributary

Use: DOMESTIC 01/01 to 12/31 0.04 CFS

Use: IRRIGATION 03/01 to 11/15 0.18 CFS

Use: STOCKWATER 01/01 to 12/31 0.02 CFS

Total Diversion: 0.24 CFS

Date Filed: 11/2/2010

Place Of Use: IRRIGATION, DOMESTIC AND STOCKWATER

T05N R01E S29 SWNE

Total Acres: 10

Water bearing zone to be appropriated is from 200 to 600 feet.

63-33443

BECKMAN ESTATES LLC

C/O BRUCE SMITH

MOORE SMITH BUXTON & TURKE

950 W BANNOCK STE 520

BOISE, ID 83702-6118

Point of Diversion SWNE S29 T05N R01E ADA County Source

GROUND WATER Tributary

Use: DOMESTIC 01/01 to 12/31 0.04 CFS

Use: IRRIGATION 03/01 to 11/15 0.18 CFS

Use: STOCKWATER 01/01 to 12/31 0.02 CFS

Total Diversion: 0.24 CFS

Date Filed: 11/2/2010

Place Of Use: IRRIGATION, DOMESTIC AND STOCKWATER

T05N R01E S29 SWNE

Total Acres: 10

Water bearing zone to be appropriated is from 200 to 600 feet.

63-33444

BECKMAN ESTATES LLC

C/O BRUCE SMITH

MOORE SMITH BUXTON & TURKE

950 W BANNOCK STE 520

BOISE, ID 83702-6118

Point of Diversion SWNE S29 T05N R01E ADA County Source

GROUND WATER Tributary

Use: DOMESTIC 01/01 to 12/31 0.04 CFS

Use: IRRIGATION 03/01 to 11/15 0.18 CFS

Use: STOCKWATER 01/01 to 12/31 0.02 CFS

Total Diversion: 0.24 CFS

Date Filed: 11/2/2010

Place Of Use: IRRIGATION AND STOCKWATER

T05N R01E S29 NWNE SWNE

Place Of Use: DOMESTIC

T05N R01E S29 SWNE

Total Acres: 10

Water bearing zone to be appropriated is from 200 to 600 feet.

63-33510

ALAN HERZFELD

PATRICIA HERZFELD

9409 BURNETT DR

BOISE, ID 83709

Point of Diversion NWNE S26 T03N R01E ADA County Source

GROUND WATER Tributary

Use: IRRIGATION 03/01 to 11/15 0.03 CFS

Total Diversion: 0.03 CFS

Date Filed: 5/4/2011

Place Of Use: IRRIGATION

T03N R01E S26 NWNE

Total Acres: 1

Water bearing zone to be appropriated is from 95 to 219 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; or see www.idwr.idaho.gov/apps/ExtSearch/WRFiling.asp for a full description of the right(s). 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 Way, Boise ID 83705 together with a protest fee of \$25.00 for each application on or before January 3, 2012. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Interim Director

Pub. Dec. 15, 22, 2011

000057967301

✓ OK
SAB 12-30-21

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.

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.

[illegible]

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).

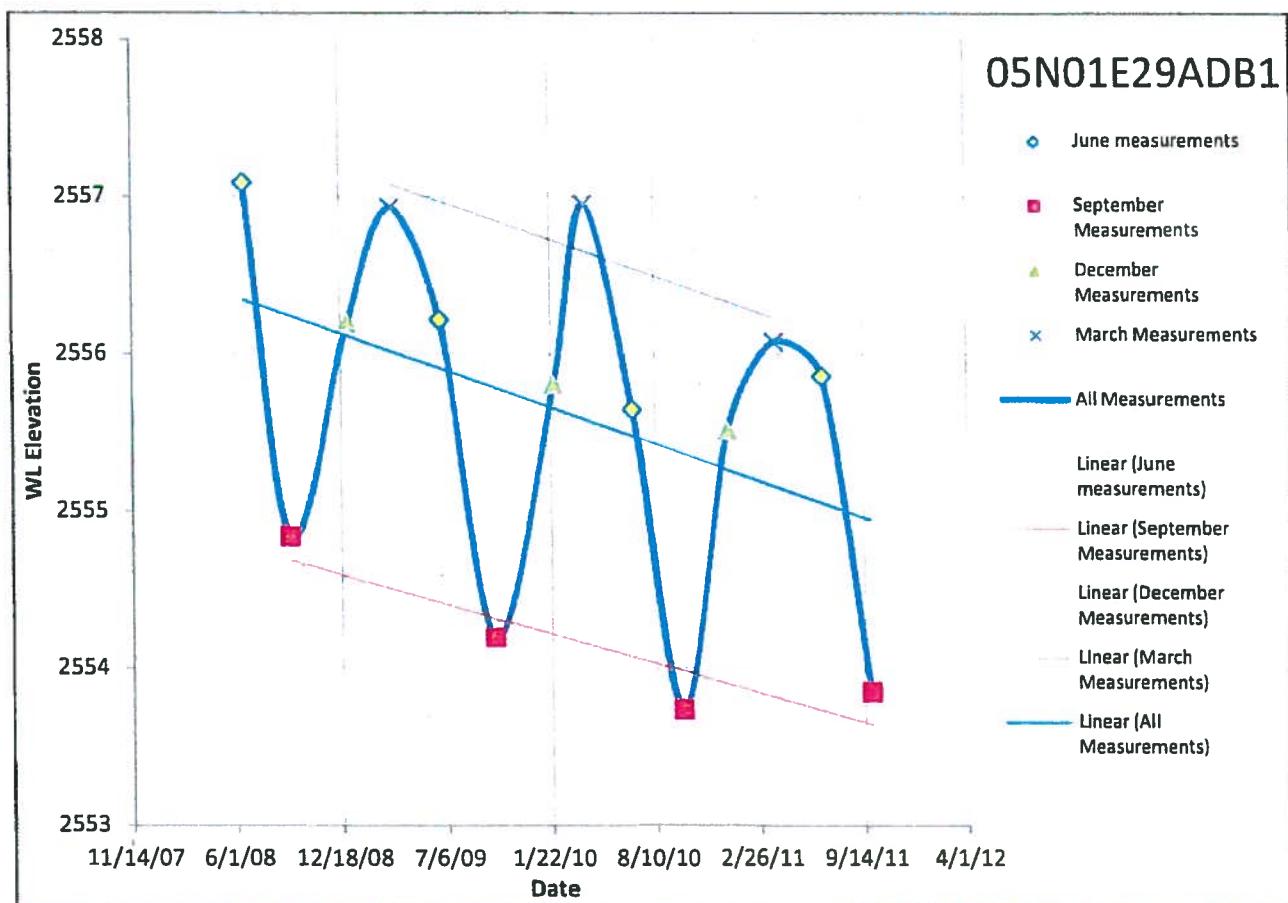


Figure 2. Trend analysis for well 05N01E29ADB1.

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

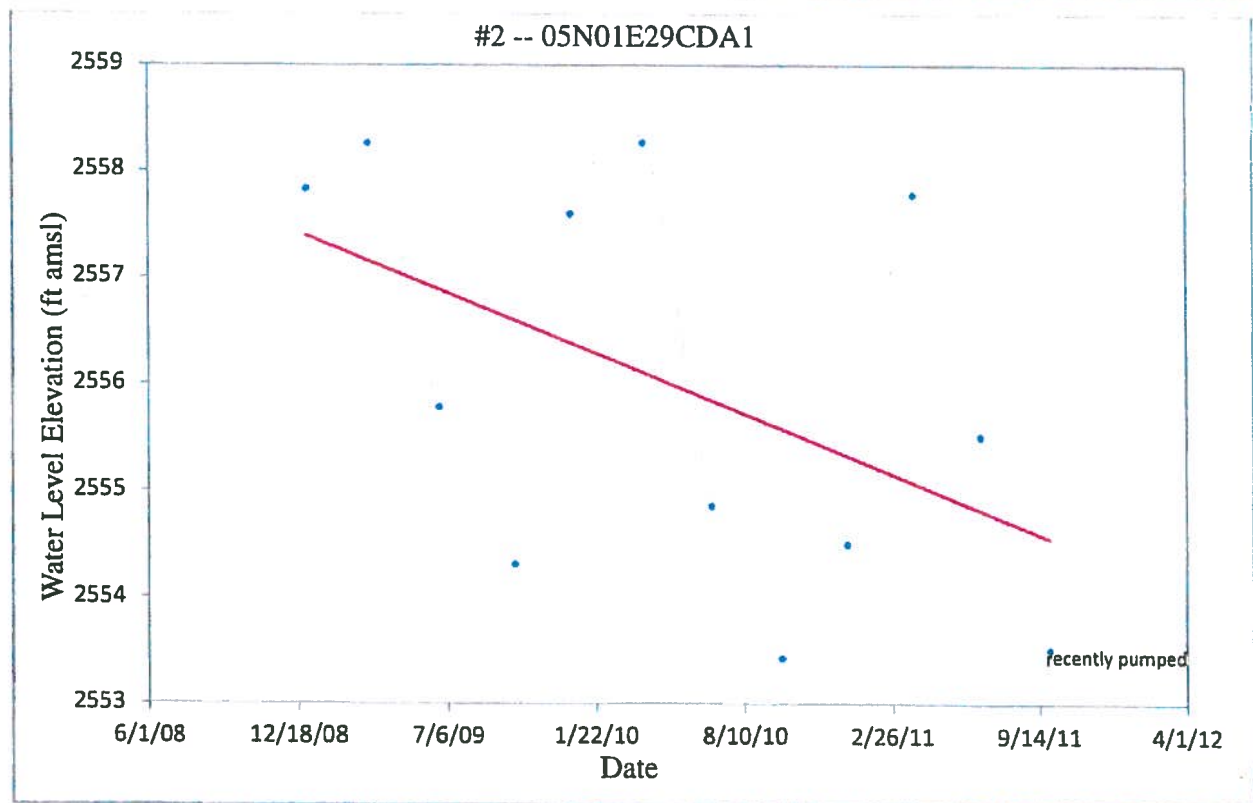
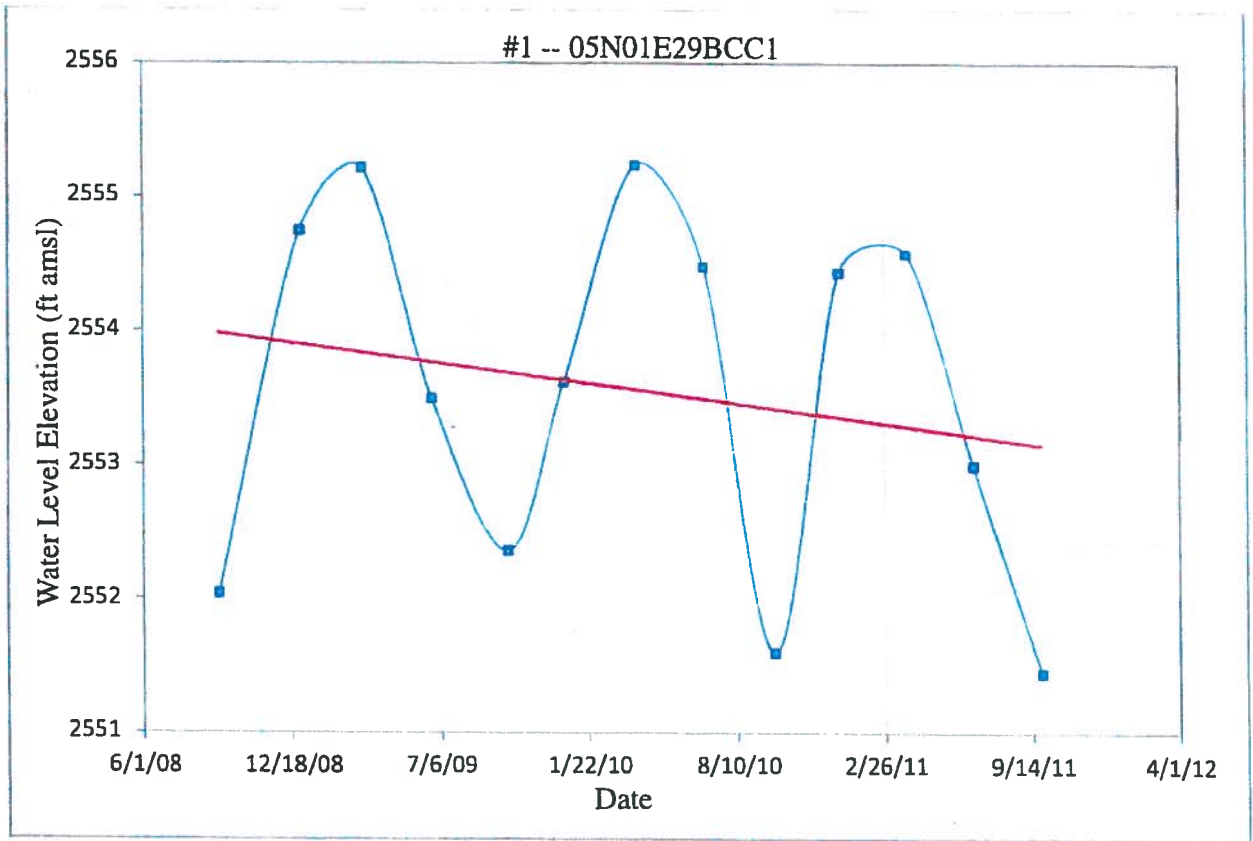
National Oceanic and Atmospheric Administration (NOAA), 2011. Online Database of Annual Climatological Summary, Station Boise 7N.

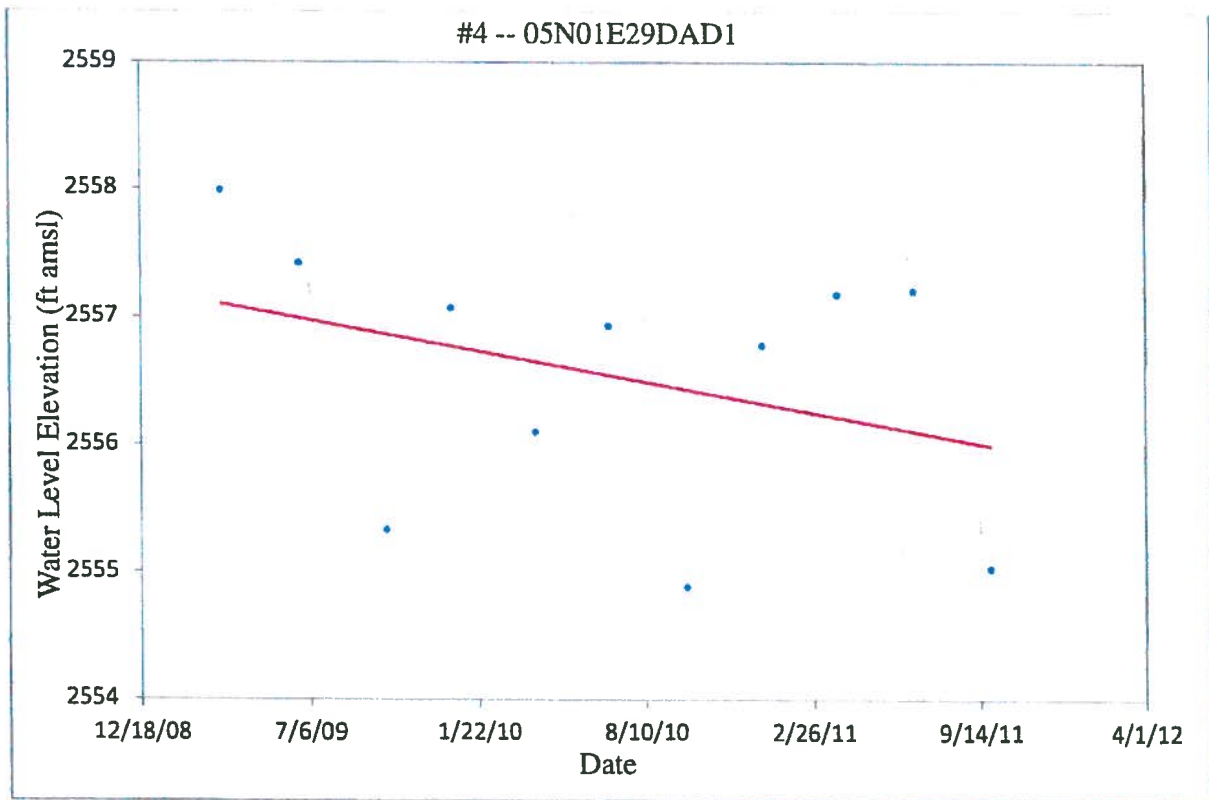
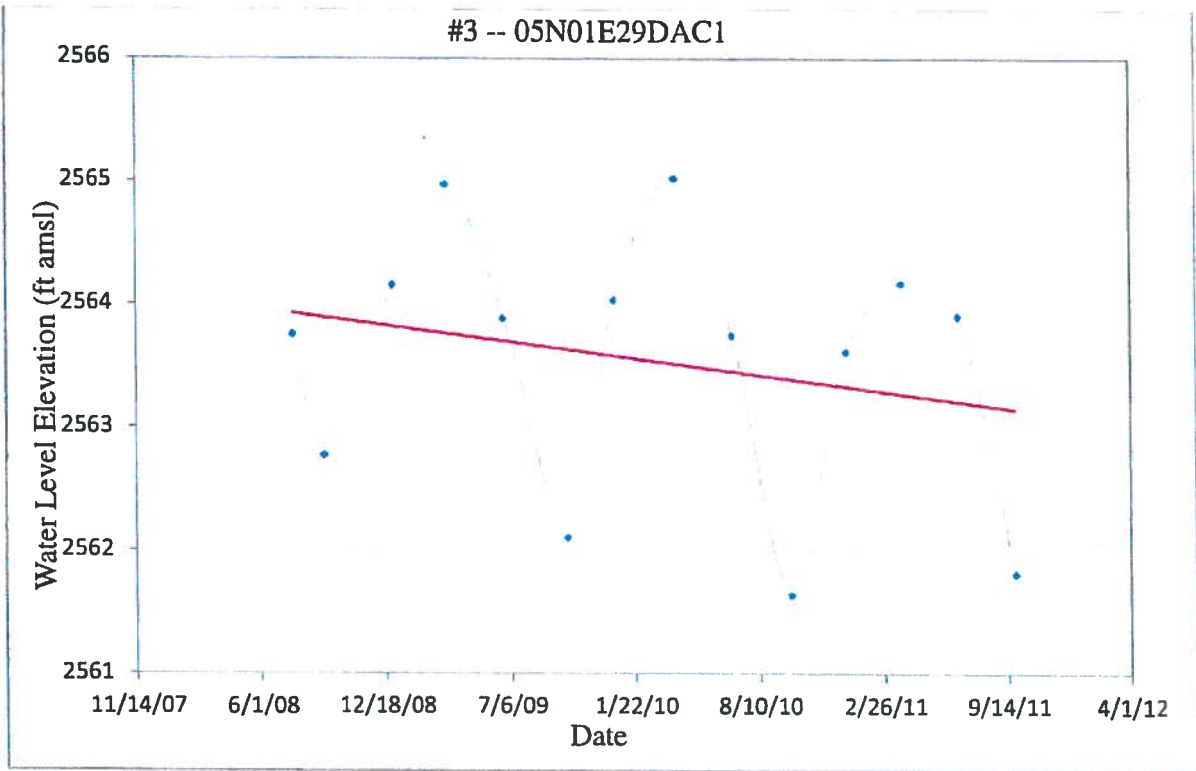
Petrich, C. and Urban, S., 2004. Characterization of Ground Water Flow in the Lower Boise River Basin. Idaho Water Resources Research Institute Research Report IWRRRI-2004-01.

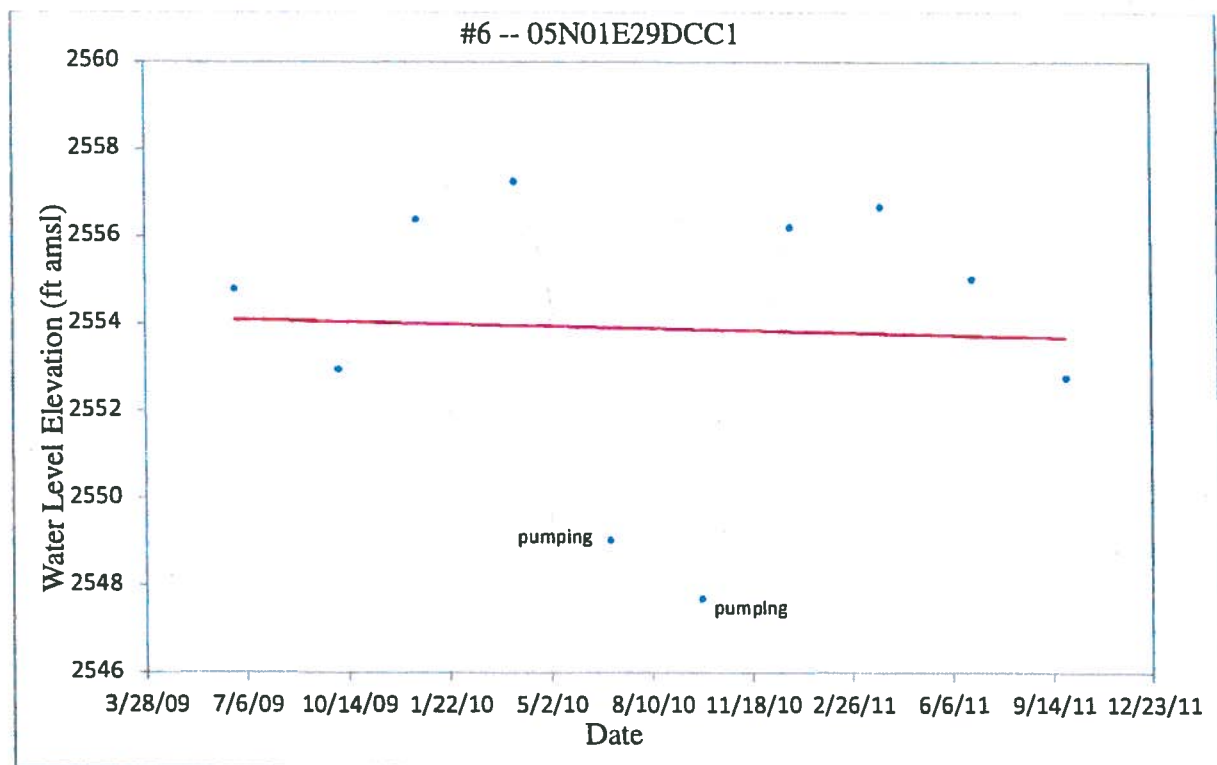
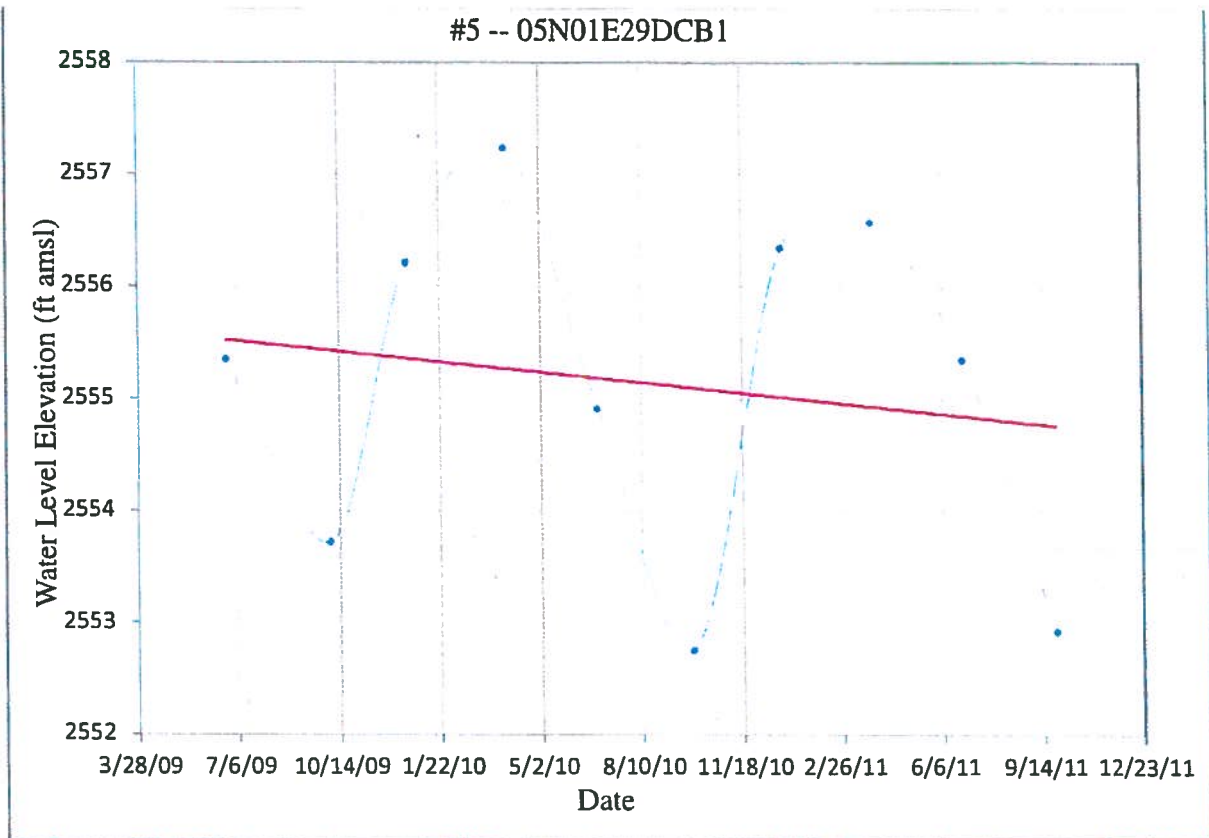
APPENDIX A

WELL HYDROGRAPHS WITH TRENDLINES

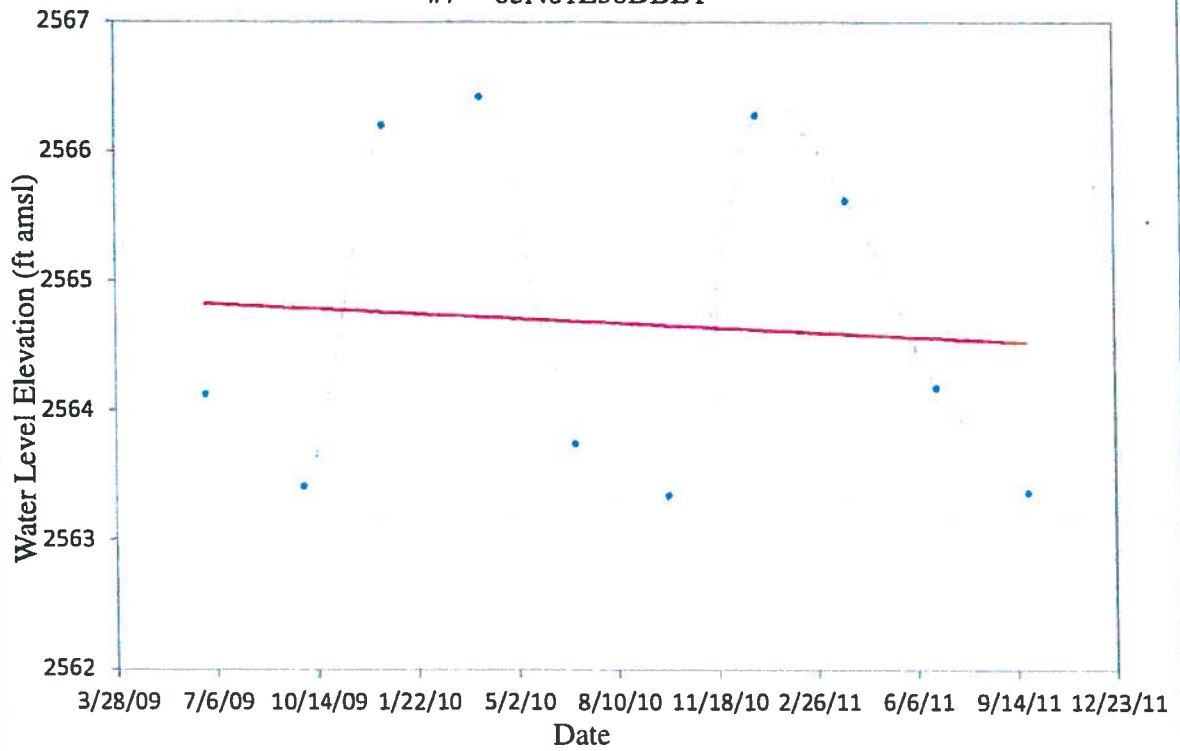
(NOTE: RED TRENDLINES INDICATE FALLING WATER LEVELS, BLUE TRENDLINES INDICATE RISING WATER LEVELS)



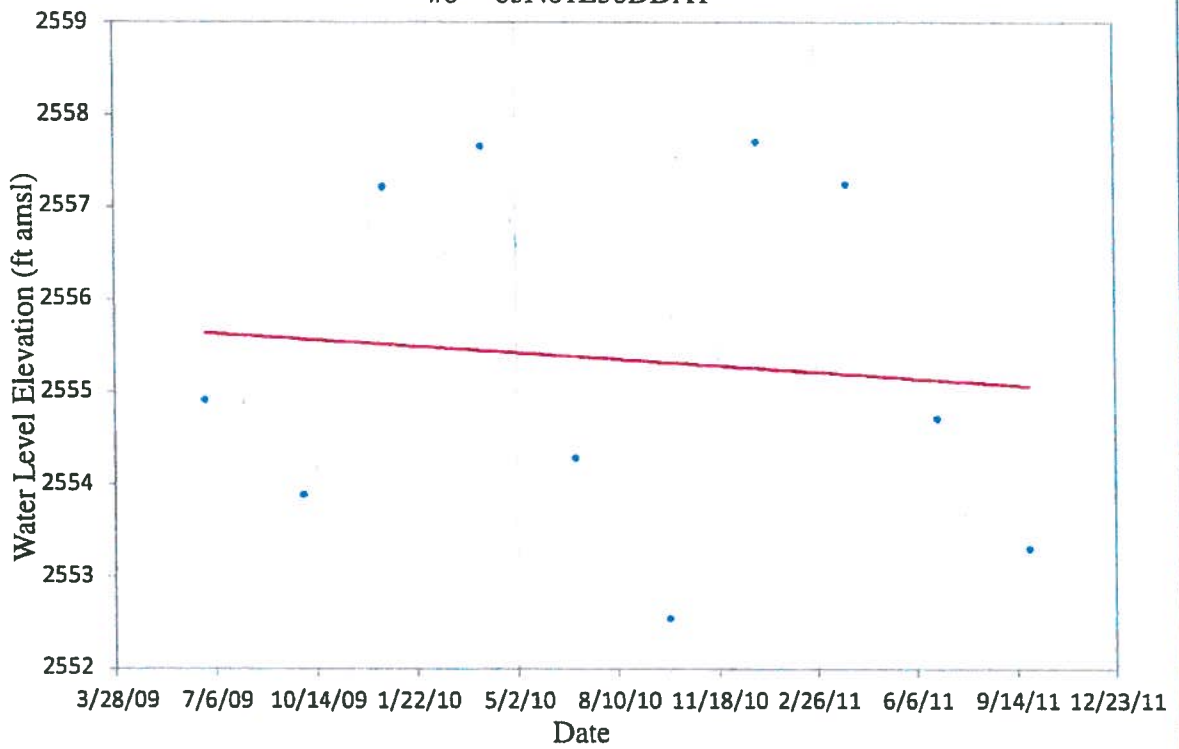


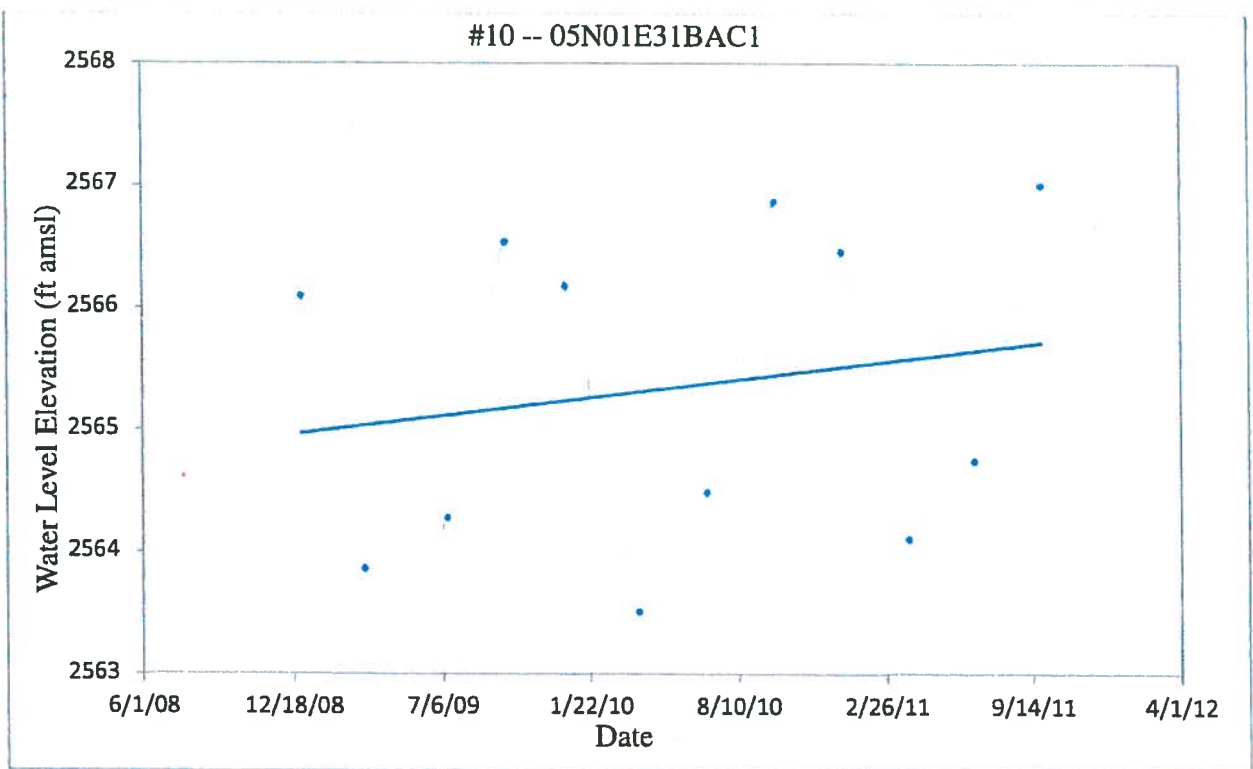
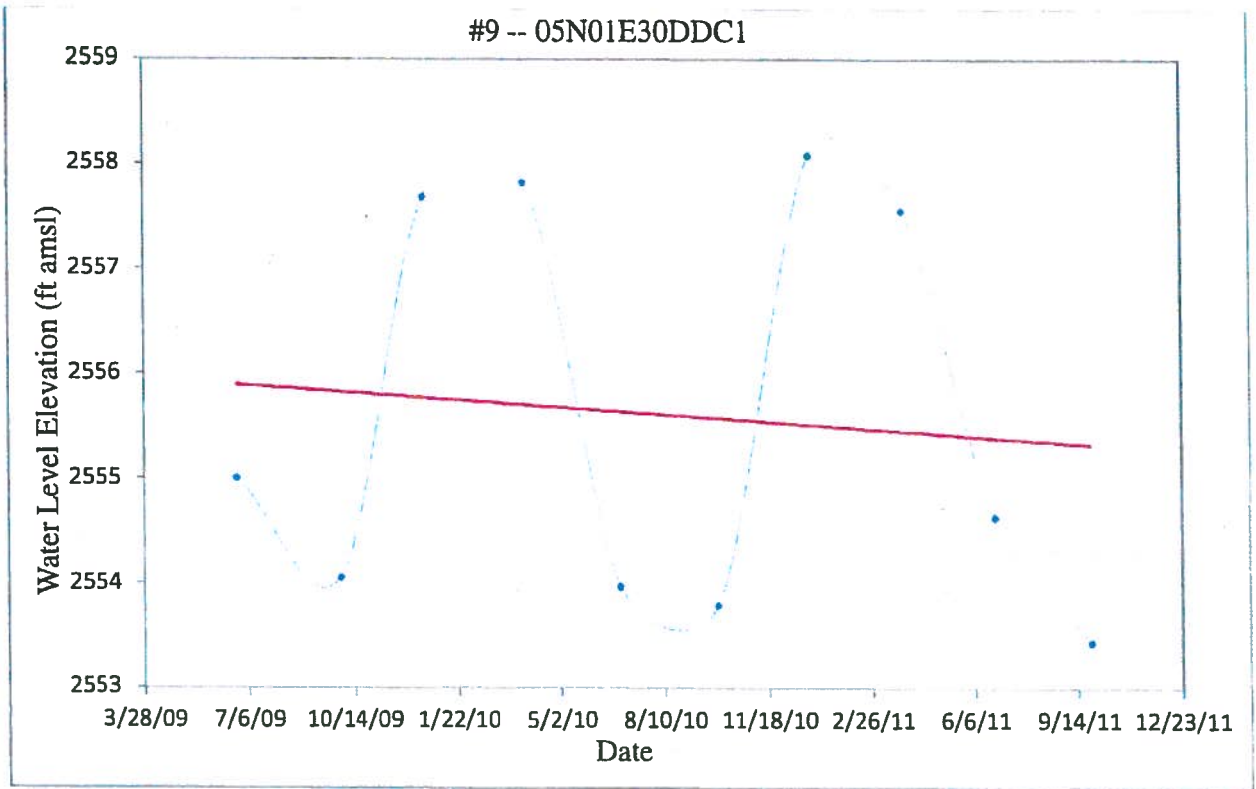


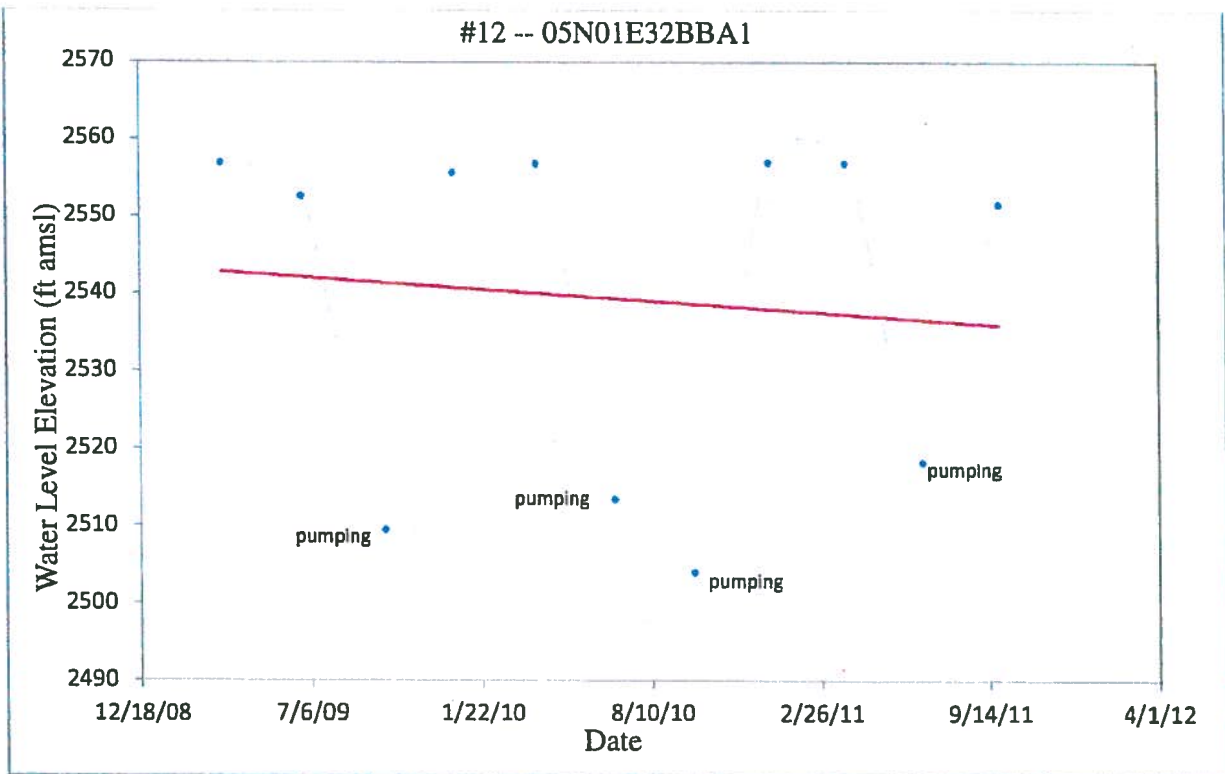
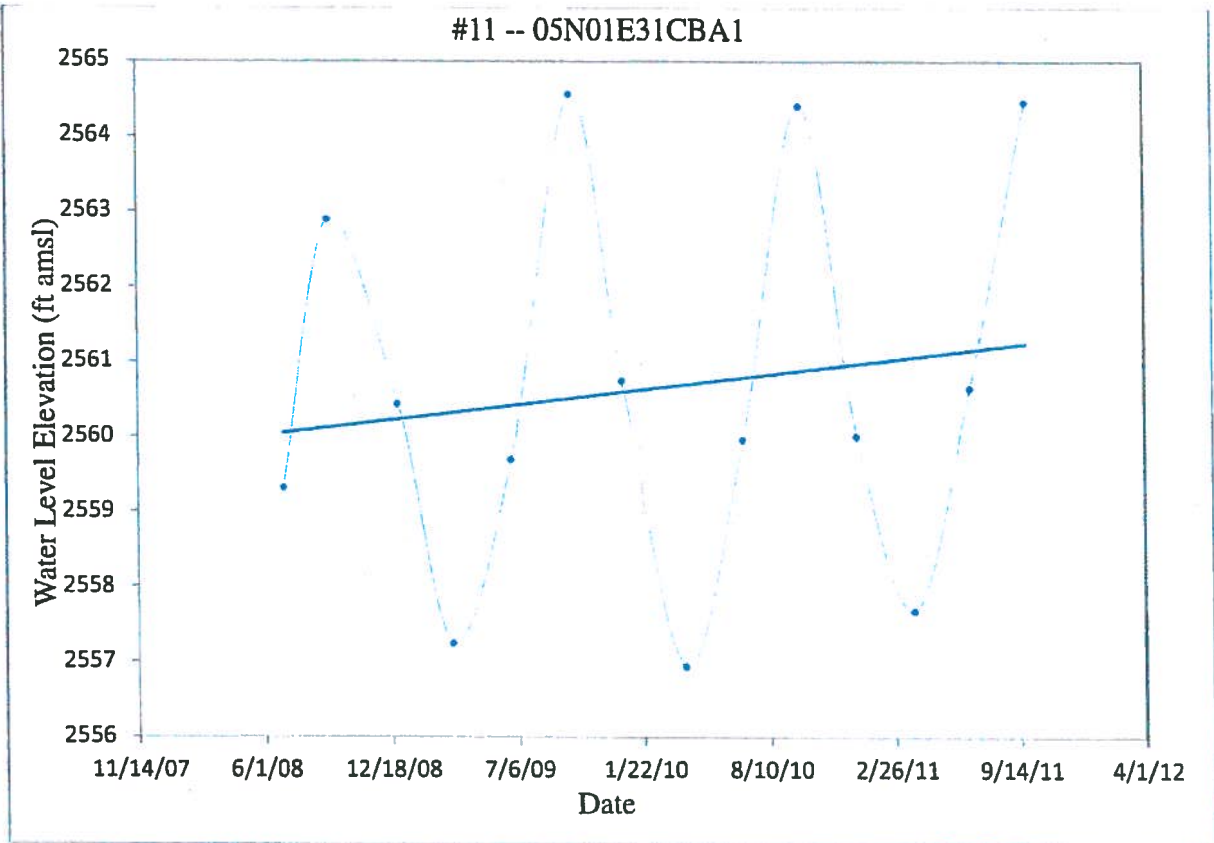
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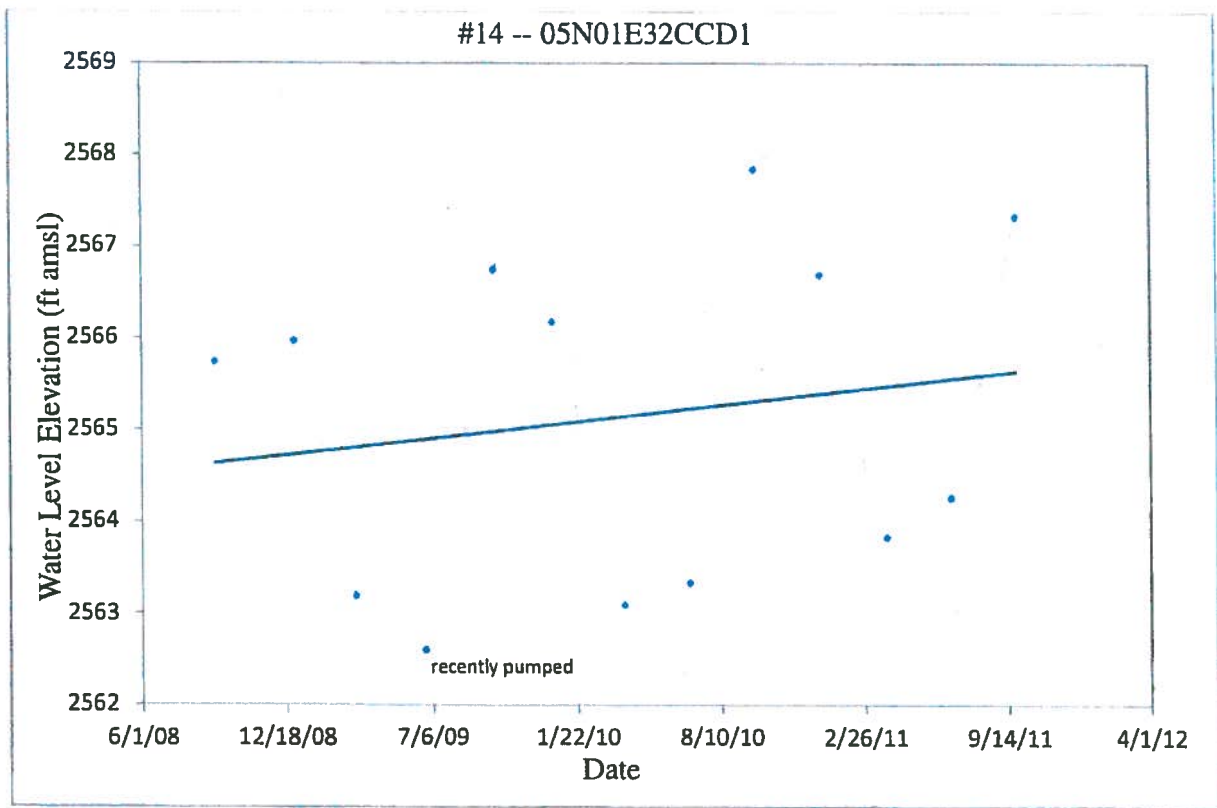
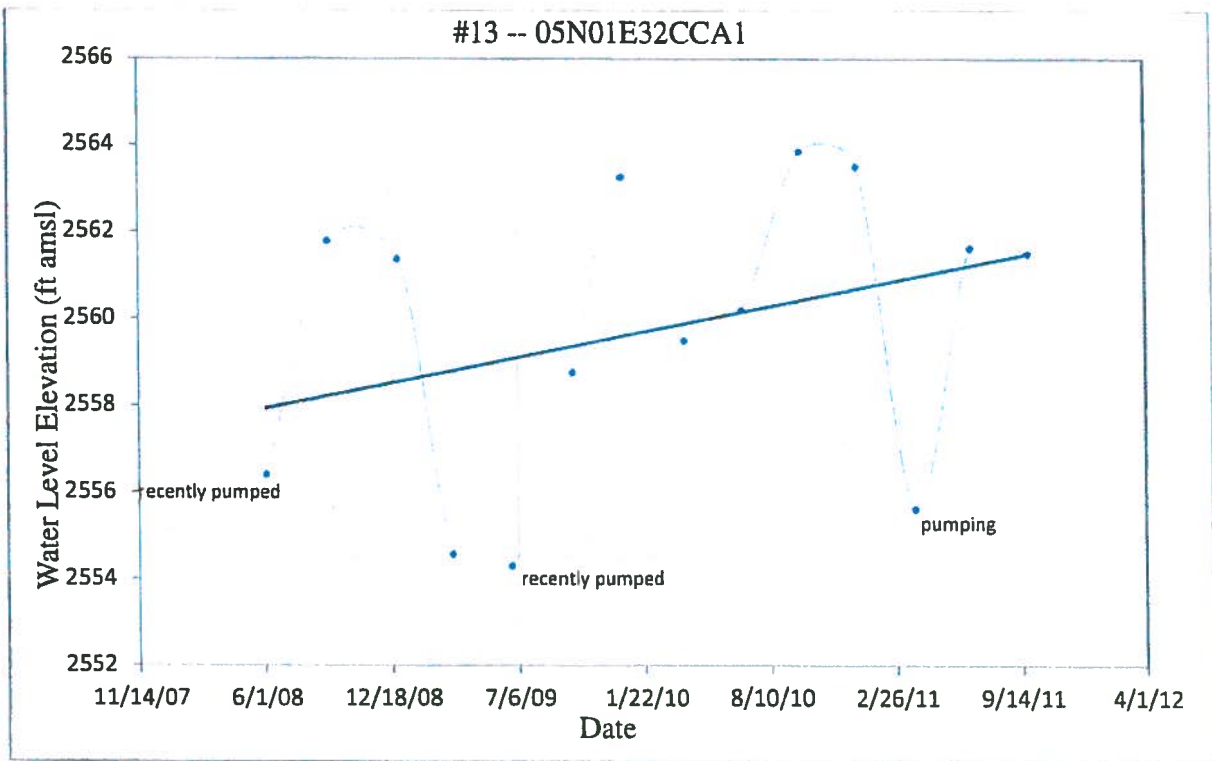


#8 -- 05N01E30DDA1

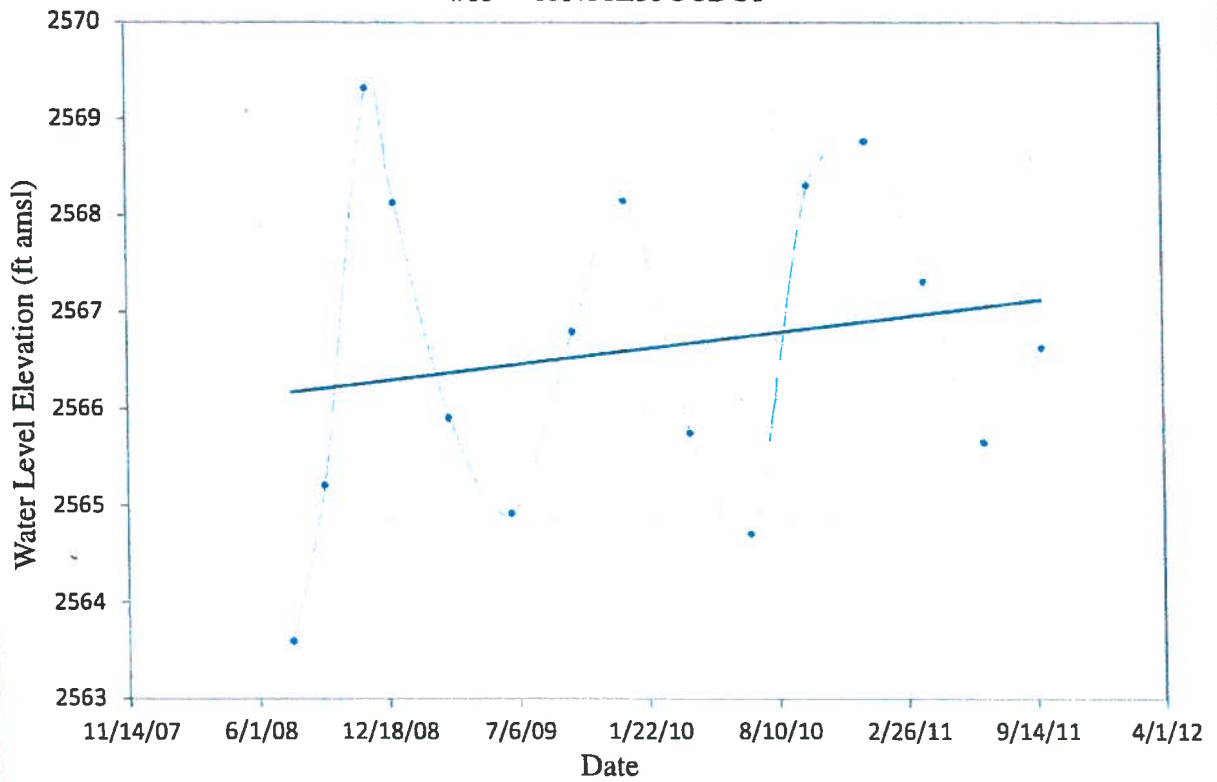




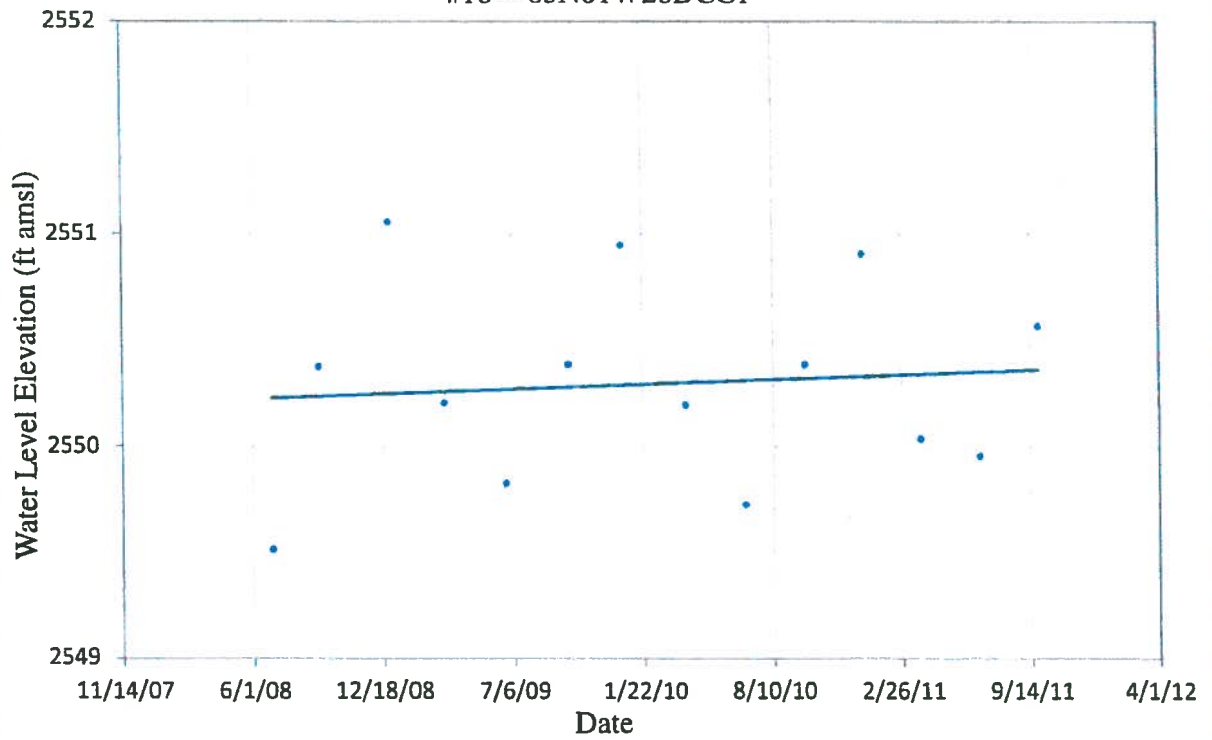


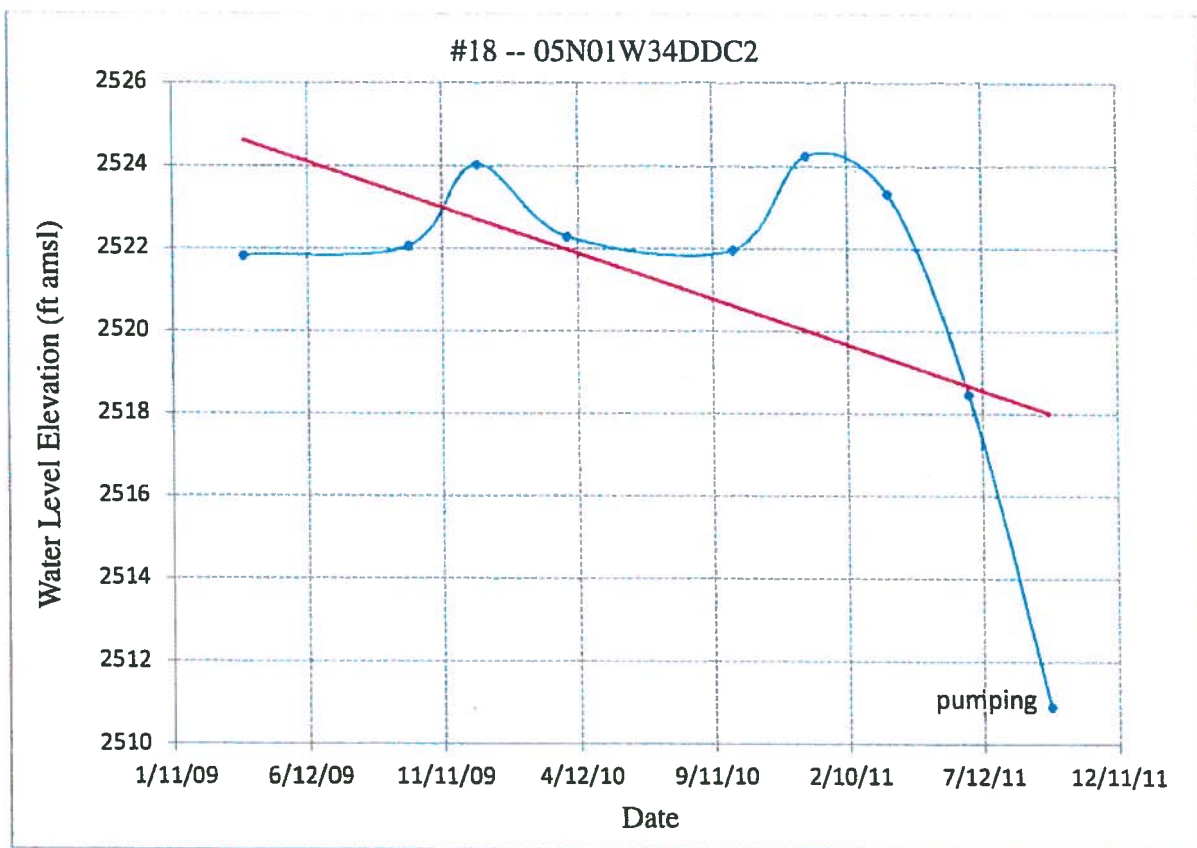
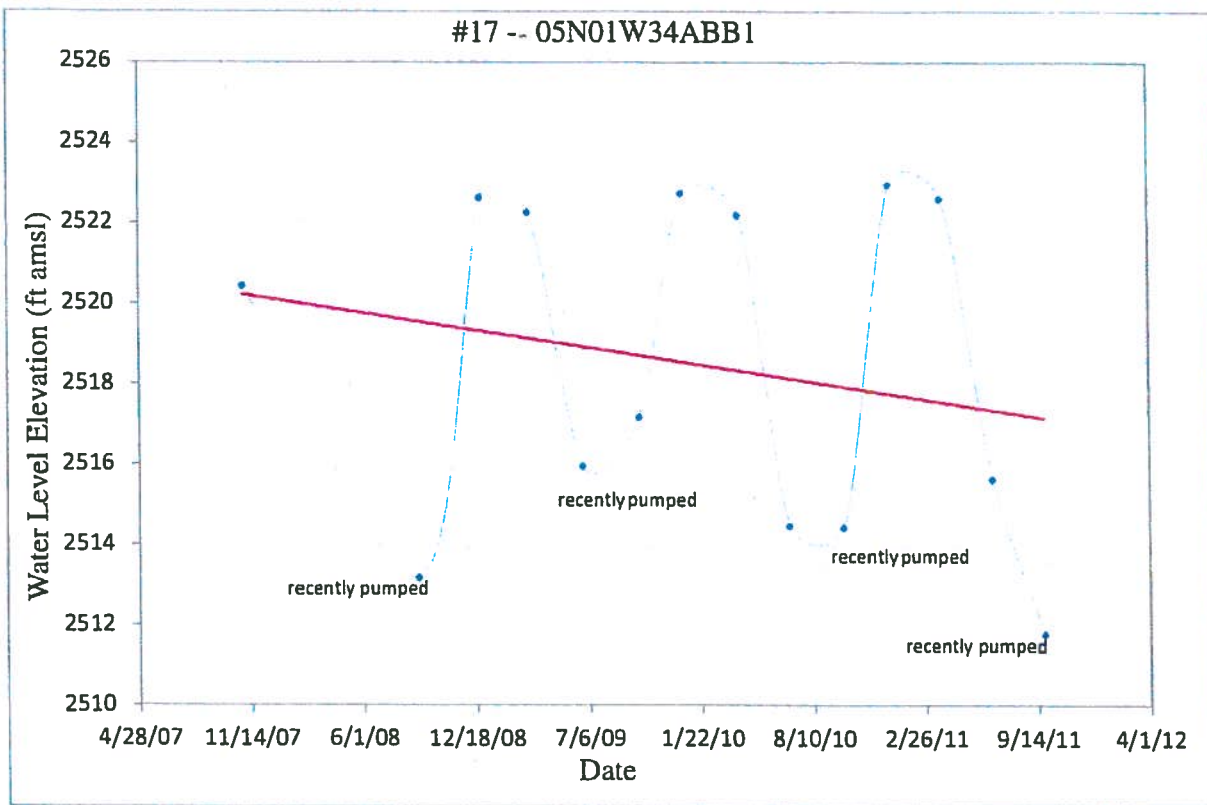


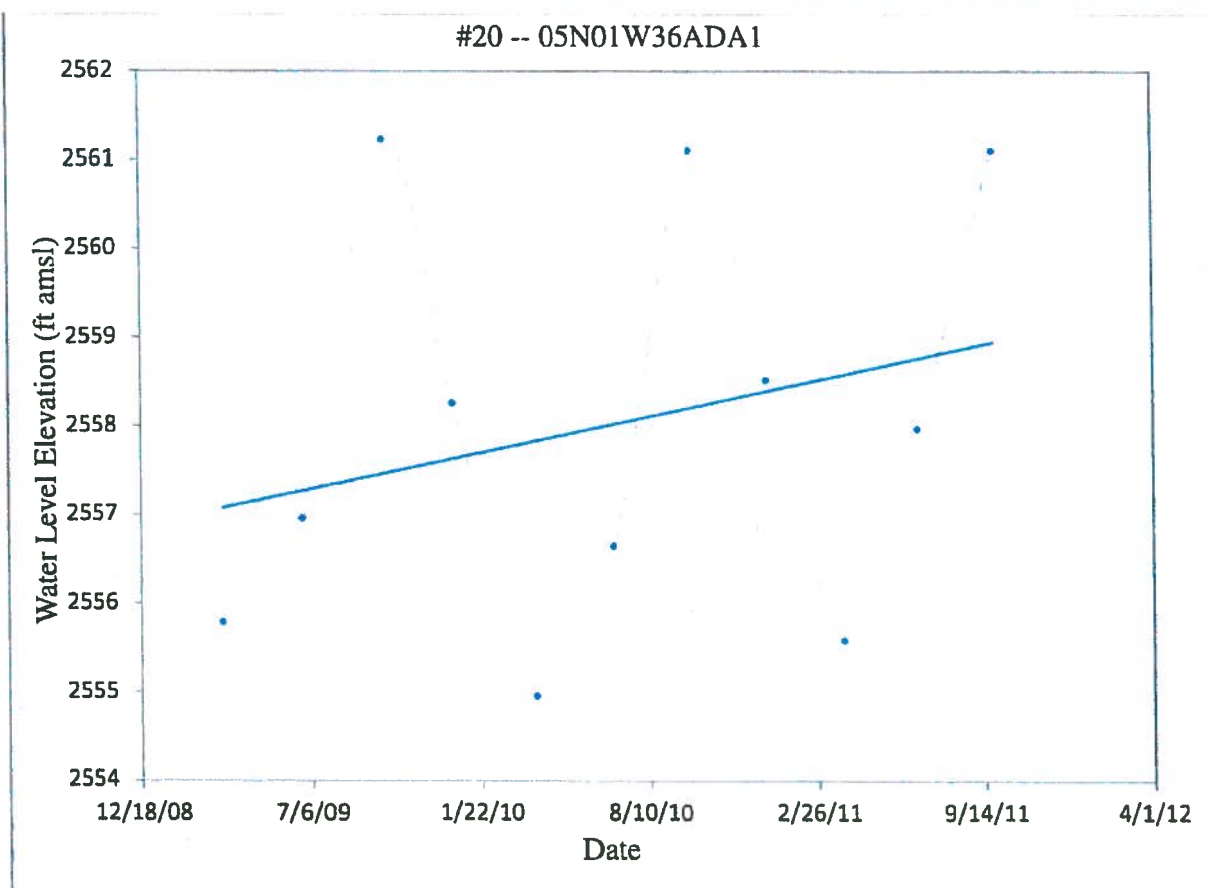
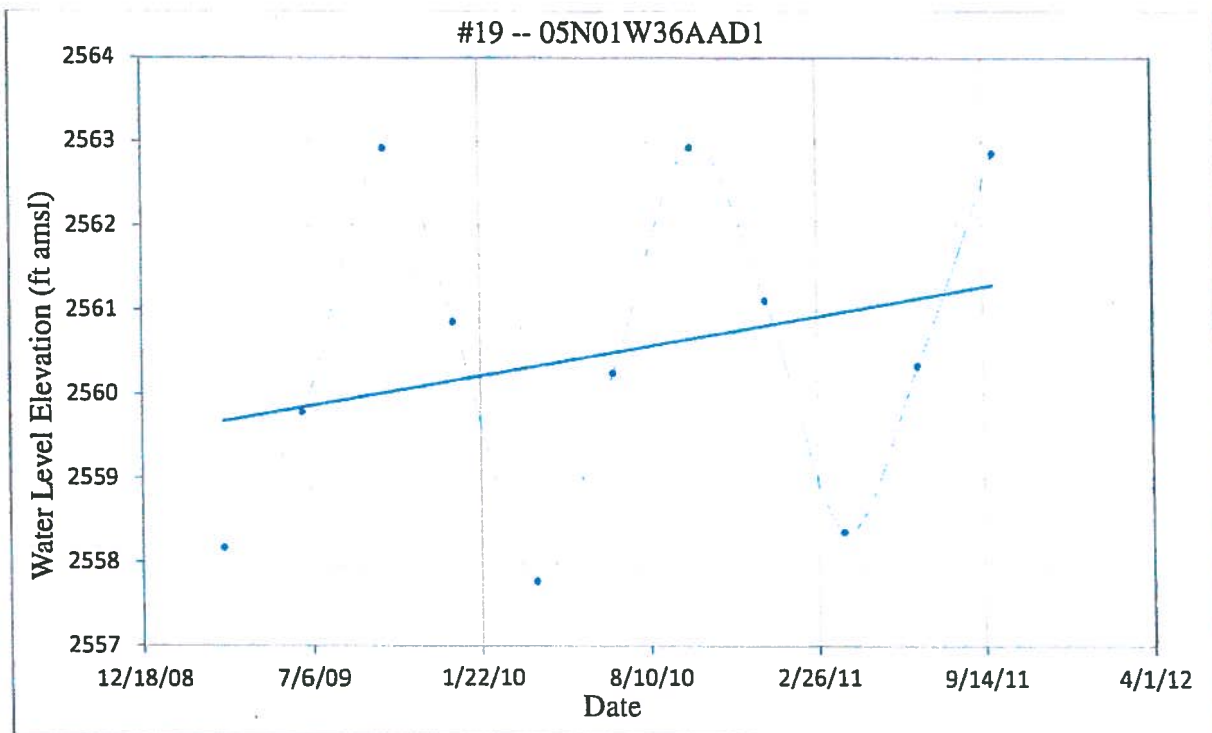
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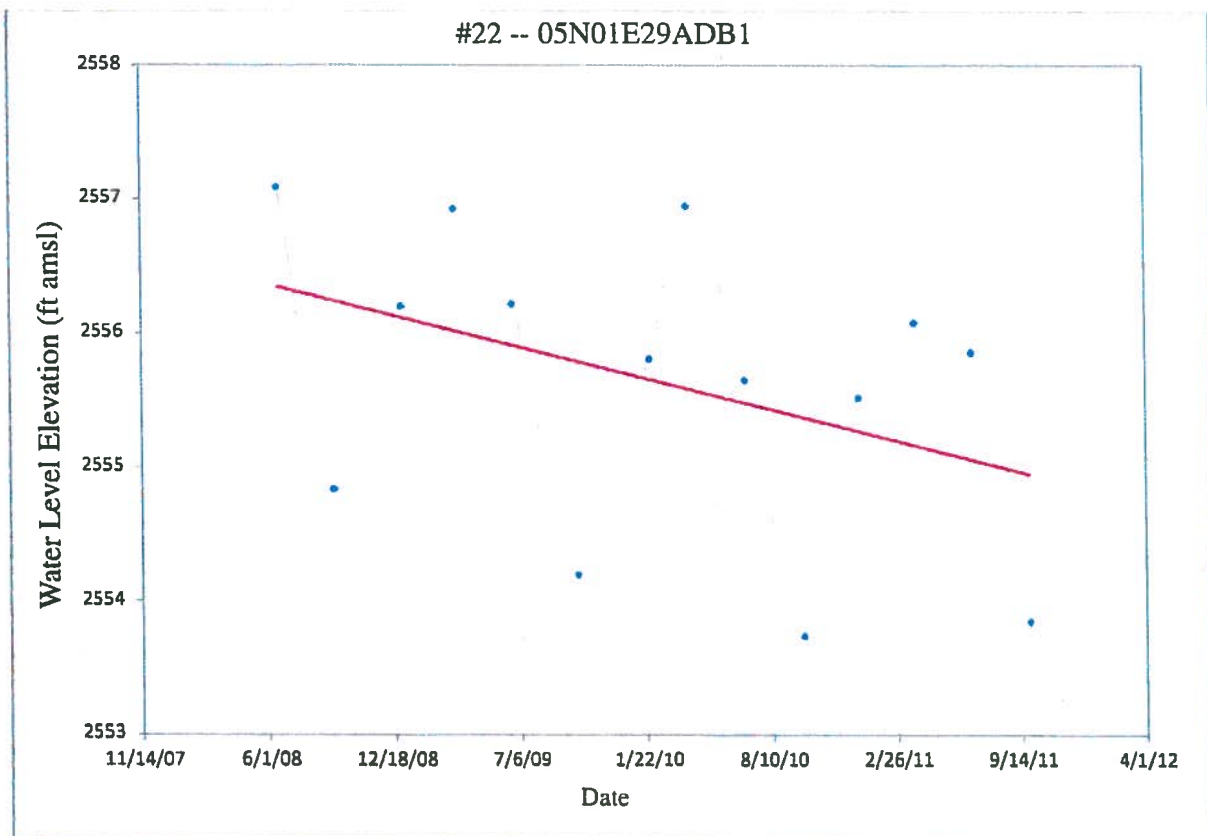
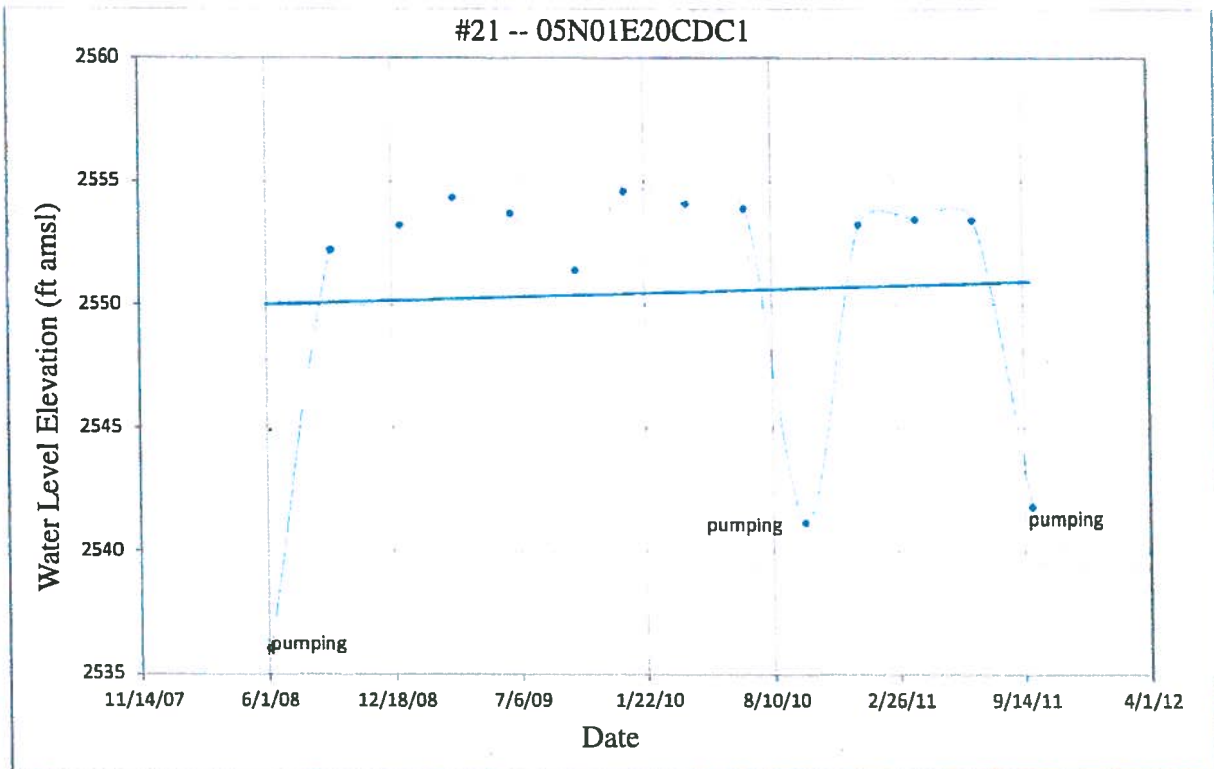


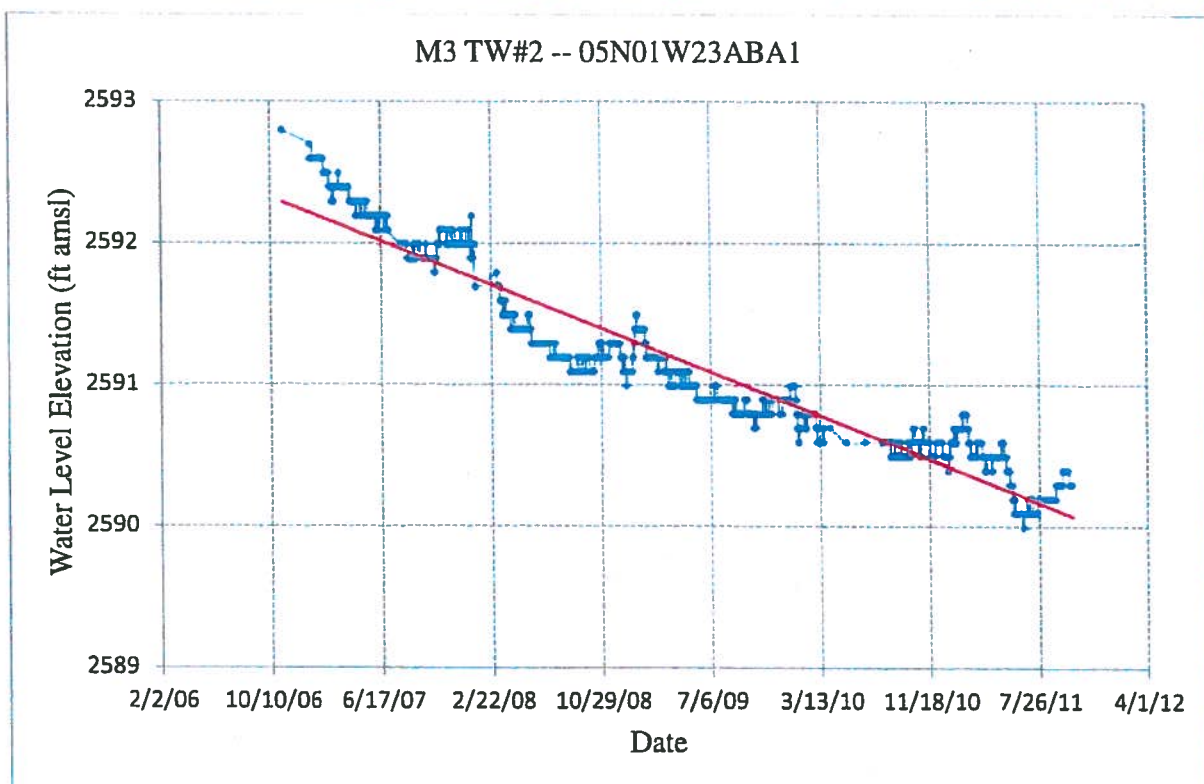
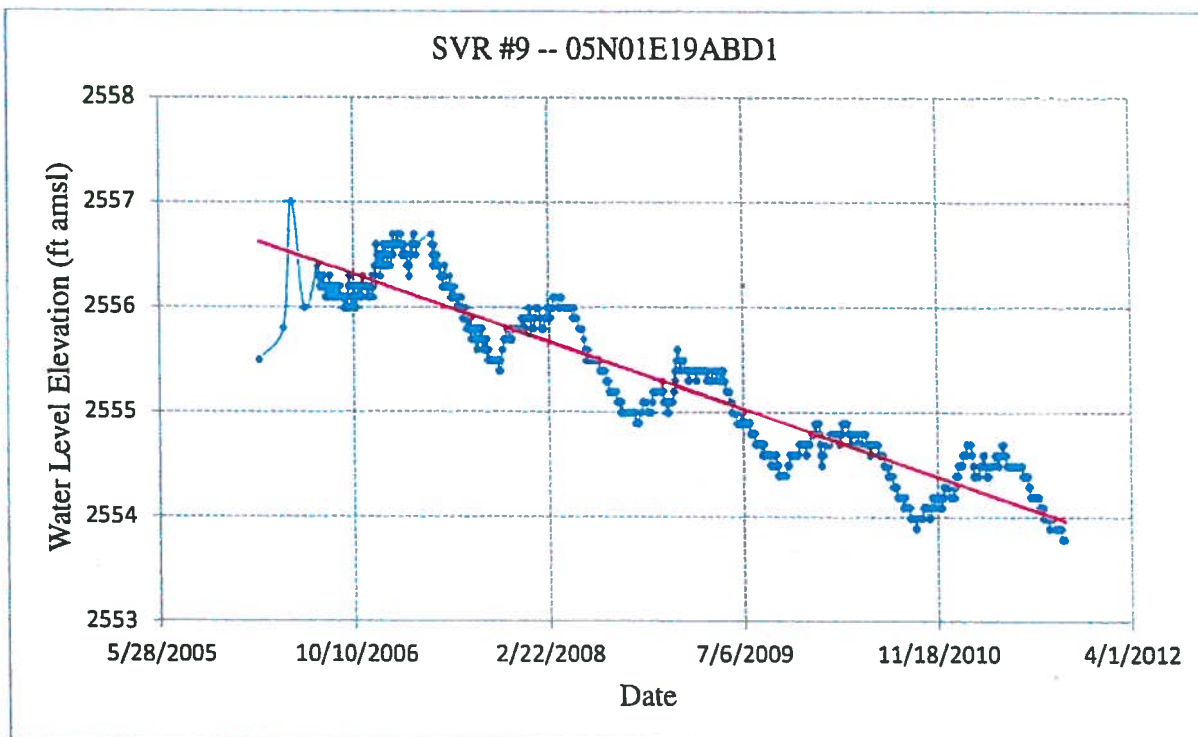
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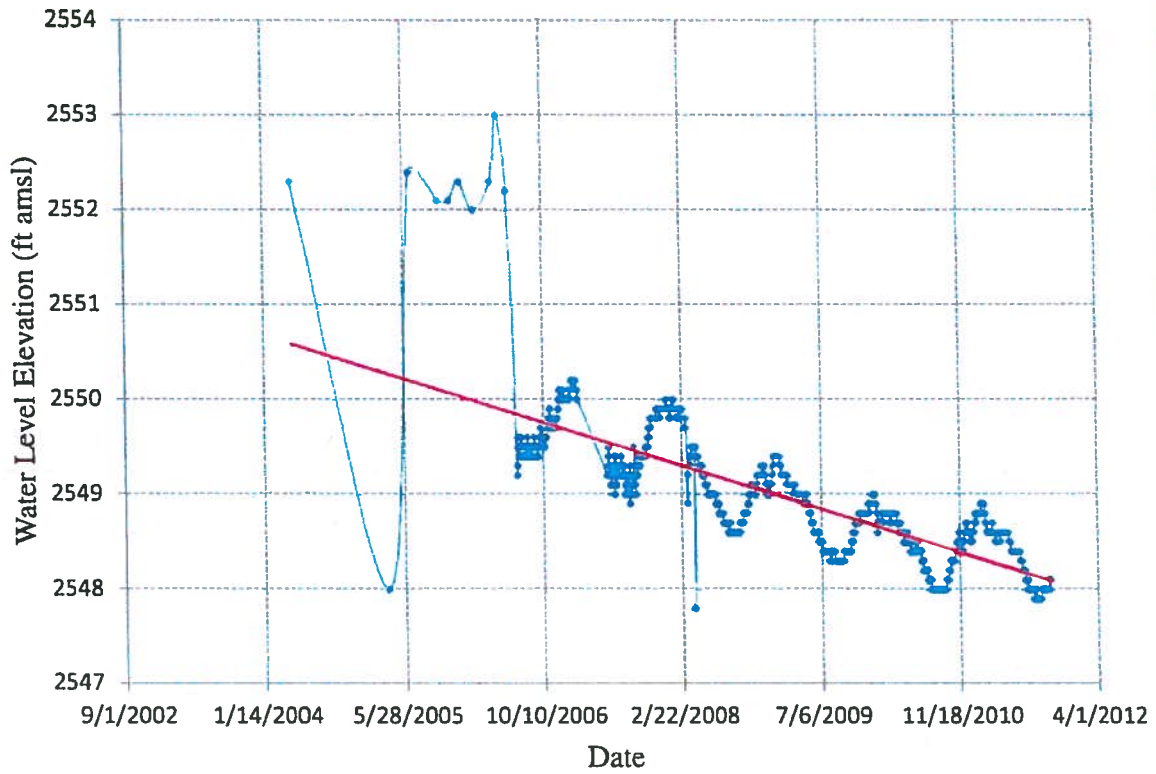








SVR #7 -- 05N01W23CAD1



M3 TW#1 -- 05N01W28DDC3

