

**RIO GRANDE WATER CONSERVATION DISTRICT
BOARD OF DIRECTORS MEETING
Tuesday October 18, 2011
10:00 A.M.
BUREAU OF RECLAMATION CONFERENCE ROOM**

Present: George Whitten, President; Greg Higel, Vice President; Dwight Martin, Secretary/Treasurer; Mike Willett, Director; Kent Palmgren, Director; Brian David, Director; Lewis Entz, Director; Mike McClure, Director

Excused: Lewis Entz, Director; Cory Off, Director

Staff: Steven Vandiver, General Manager; Amber Pacheco, Office Manager; David Robbins, District's Attorney; Allen Davey, District Engineer, Martha Archuleta, Program Assistant; Sandra Montoya, Program Assistant

Guests: Billy Elbrock, U.S.B.R.; Ray Cole, U.S.B.R.; Rio de la Vista, R.I.G.H.T.; Judy Lopez, Education Specialist; Sue Swift-Miller, B.I.M.; Craig Cotten, C.D.W.R.; Ruth Heide, Valley Courier; Travis Smith, C.W.C.B.; Brenda Felmlee, Rep. Scott Tipton's Aide; Erin Minks and Michael Sozan, Sen. Mark Udall; Ralph Curtis, self; Leon Moyer, self; Peggy Godfrey, self; Bill Payne, U.S.G.S.; Ken Watts, U.S.G.S.; Mike Gibson, S.I.V.W.C.D.; Tony Holcomb, self; Mike Collins, N.R.C.S.; Jeanna Paluzzi, C.S.U. Extension; Zeke Ward, W.C.R.C.; Dan Dallas U.S. Forest Service; Larry Martinez, self; Becky Brooks, Lobbyist; Fred Bunch, G.S.D.N.P.; Chris Landry, Center for Snow and Avalanche Studies.
President Whitten called the meeting to order at 10:06 a.m.

INTRODUCTION OF GUESTS

President Whitten welcomed all those present and asked everyone to introduce themselves.

APPROVAL OF AGENDA

President Whitten asked for discussion on the agenda.

Brenda Felmlee, Erin Minks and Becky Brooks asked to be moved after David Robbins report. A motion was made and passed unanimously to approve the agenda with the changes.

APPROVAL OF MINUTES

President Whitten asked for a motion to approve or amend the July 19, 2011 regular meeting. No additions or corrections were made to the minutes. A motion was made to approve the minutes as written. The motion was seconded and approved unanimously.

PUBLIC COMMENT

President Whitten asked for any public comment.

Peggy Godfrey

Ms. Godfrey read a statement regarding the publicity that she received. She handed out a paper on the pumping of phases four and five and an additional handout on the environmental impact statement. Ms. Godfrey also read aloud the contents of a letter from Senator Allott written in 1972 (handouts are attached).

Discussion was held regarding information that Ms. Godfrey presented and on data that is held by the Bureau of Reclamation regarding the Closed Basin Project. No action was taken.

President Whitten thanked Peggy for her comments.

Leon Moyer

Mr. Moyer asked that the budget be provided earlier to review and he gave his opinion on amounts posted in the budget by line item. He asked that the mill levy be lowered. Mr. Moyer gave his opinion on the role of the District and the Closed Basin Project.

President Whitten thanked Mr. Moyer for his comments.

FINANCIAL REPORT

President Whitten asked for the District's financial report. Steve Vandiver presented the report.

Steve Vandiver reported on the travel expenses, telephone expenses, repair and maintenance, and well permits for six monitoring wells. Mr. Vandiver stated that the District is well within budget and recommended that the board accept the financial report.

A motion was made, seconded and passed unanimously to approve the financial report as presented.

MANAGER'S REPORT

President Whitten asked for the quarterly manager's report. Steve Vandiver reported on the following activities of the District for the last quarter:

- Steve Vandiver stated that he does not agree with Mr. Moyer's comments on the budget.
- Steve reported on the budgets.
- Amounts for Subdistrict #1 have reached 1.372 million and 1.72 million for all Subdistricts to present. Steve also reported on the status of the farm unit submissions and appeals made on the assessments for the current year.
- Steve reported on the new website. It is still in the process of being updated but it has been launched. Steve stated that we have a calendar posted on the website for critical events and meetings. Sandra gave a brief tour of the website.
- A report was given on the maintenance of the Norton Drain. Discussion was held on the history of the Norton Drain and Norton Drain checks.
- An update was given on the work that District does with the BOR.
- Head Lake and San Luis Lake did not receive run-off from the Sangre de Cristo Mountains. San Luis Lake has a small amount of water and is about to go dry.
- The crop census was completed this summer. Sandra gave a presentation on the preliminary findings from the 2011 crop census.
- A report was given on appeals. The Subdistrict received 22 formal appeals of which 12 have been completed and refunded. Discussion was held on appeals and the change of acreage for those appeals.
- CREP is in the final review stage and Tim Davis continues to work on all of the needed requirements.
- David Schreck has resigned from the Subdistrict #1 Board of Managers. The Rio Grande Canal Water Users Association recommended Tony Holcomb to replace him.
- The Rio Grande Natural Area (RGNA) Commission has been created and has held two meetings which were organized by the BLM. There are nine members on the commission and Steve was elected to Chair the Commission. The RGNA Commission is in the process of developing a management plan. There is a huge issue with trespass livestock and feral horses. The RGNA commission will work with counties and private landowners to try to eliminate the problem of trespass livestock and abandoned horses. Steve met with Costilla and Conejos County Commissioners and they pledged support for the RGNA.
- The HCP is waiting on final comment from the Regional office of the U.S. Fish and Wildlife Service.
- The RGWCD is working on several cases in litigation and is trying to settle them in a way that meets everyone's needs.

President Whitten thanked Steve Vandiver for his report.

DISTRICT ENGINEER

President Whitten asked for the District Engineer's report. Allen Davey was present to report on the following:

Mr. Davey passed around a handout on ground water storage levels (handout is attached). According to the Plan of Water Management for Subdistrict #1, the aquifer must be recovered to minus 200,000 to minus 400,000 acre feet of water.

Allen has participated in weekly meetings with the RGDSS groundwater peer review group. The model is being improved and is not ready for public presentation. His most recent request is to survey the Saguache Creek Channel for 3 to 4 miles to obtain more detail in order to accurately represent depletions to the Saguache area.

Allen reported he is working on additional proposed Subdistricts. Subdistrict #4 is working on a plan unique to that area. The Saguache Creek workgroup is also making good progress. The main effort for Subdistrict #1 for the last several months has been collecting data and preparing databases for fees to be presented to the counties. This effort will eventually transition to the employees of RGWCD rather than Davis Engineering for economic reasons.

Mr. Davey also reported on the legal cases he is involved in for the District. The District is involved in the Frees augmentation plan. Tim Lobato is seeking a similar plan. The Nearburg-Richter case involves moving water from Rio Grande Ditch #1 to enhance fishery habitat. Mr. Davey is also monitoring the City of Alamosa's augmentation plan for the golf course to reduce draws on the aquifer.

President Whitten thanked Allen Davey for his report.

ATTORNEY REPORT

President Whitten asked for a report from the attorney. David Robbins was present to report on the following:

Subdistrict #1

Mr. Robbins reported that he expects the Supreme Court to make its ruling within two to four months.

Mr. Robbins also reported that he spent time working on the Frees augmentation plan.

David informed the Board that he has attended a peer review meeting on the modeling efforts. The purpose of the meeting is to get the model configured to determine future depletions in various subdistricts as well as to use as a basis for the SEO's rules and regulations. Mr. Robbins said he is skeptical the model will be done soon.

HCP

The Fish and Wildlife Service has republished a critical habitat proposal for which ERO and the District prepared comments. The Service continues to respect the HCP. The Service has designated areas within reservoirs, which have not had water in them because of the drought and have been invaded by native plant species and salt cedars, as potential habitat. If precipitation increases and river flows increase then the critical habitats that are located within a reservoir could be below water level which could create, serious issues will arise.

Other:

There is a serious piece of litigation between New Mexico and Texas regarding the management plan on how water is handled in Caballo and Elephant Butte Reservoir and how groundwater is to be treated along the river within the Rio Grande project. The parties have not shown much interest in resolving the dispute.

John D'Antonio has resigned as New Mexico State Engineer. Now there is uncertainty on the new relationship that Colorado will have with New Mexico.

President Whitten thanked David Robbins for his report.

BECKY BROOKS -STEALY AND ASSOCIATES

President Whitten asked for a report from Stealy and Associates. Becky Brooks was present to report on the following:

Becky reported she has no new issues on water bills. The legislature is working on a bill to add 2 cents to prescriptions to cover the cost to dispose of pharmaceuticals. There is controversy on this bill because of funding. Weather modification and types of cloud seeding was another controversial subject before the legislature. A report on cloud seeding was presented to the legislature.

Mr. Whitten thanked Becky Brooks for her report.

SENATOR BENNETT'S AIDE

President Whitten asked for a report from Charlotte Bobicki, Senator Bennett's Aide. She was not present to give a report.

REPRESENTATIVE TIPTON'S AIDE

President Whitten asked for a report from Representative Tipton's office. Brenda Felnlee was present to report on the following:

Brenda provided handouts to the Board of H.B. 2842 and the press release for the bill (this handout is attached), Congressman Tipton sponsored a bill to help ease regulations on the federal process for private conduits on waterways. Brenda also reported that Representative Tipton's office is committed to providing a letter in support of the Habitat Conservation Plan.

President Whitten thanked Brenda Felnlee for her report.

SENATOR UDALL'S AIDE

President Whitten asked for a report from Senator Udall's Aide. Erin Minks and Michael Sozan (Chief of Staff) were present to give a report.

Erin reported that most of legislation in Washington D.C. is concentrated on jobs, the Federal budget, and deficit reduction. She reported that she is aware of the proposal from the U.S. Fish and Wildlife Service to declare portions of the San Luis Valley as critical habitat. Erin requested that RGWCD gather letters of support for the HCP and provide them to her to present to the senators so they also draft a letter of support. Erin also reported on USDA's recommendation that school lunch programs reduce starchy vegetables. She said Senator Udall is working on attaching an amendment to the bill to prevent regulations from being implemented. The Farm Bill is coming up and comments on its importance to the Valley need to be prepared and provided to the Senator.

President Whitten thanked Erin Minks and Michael Sozan for their report.

UNITED STATES BUREAU OF RECLAMATION REPORT

President Whitten asked for the Bureau of Reclamation (B.O.R.) report. Billy Elbrock was present to report on the status and activities of the Closed Basin Project (a handout of the report is attached).

President Whitten thanked Billy for his report.

U.S. FISH AND WILDLIFE SERVICE REPORT

President Whitten asked for a report from the U.S. Fish & Wildlife Service. Mike Blenden was not present, but he sent a report for Steve to read to the Board. The report gave an update on operations and also the water situation on the refuges.

President Whitten thanked Steve Vandiver giving Mike's report.

U.S. BUREAU OF LAND MANAGEMENT REPORT

President Whitten asked for a report from the U.S Bureau of Land Management. Sue Swift-Miller was present to give a report.

Sue's report gave an update on the operations on BLM properties around the Valley, in-stream flows, the expansion of the Blanca Area of Critical Environmental Concern, the Rio Grande Natural Area and the Solar EIS.

President Whitten thanked Sue Swift-Miller for her report.

U.S. FOREST SERVICE REPORT

President Whitten asked for a report from the U.S. Forest Service. Dan Dallas was present to report on the following:

Dan reported on the decision to separate the Forest Service from the BLM. Phil Reinholz is retiring and they will hire a new hydrologist. The U.S. Forest Service is working on the Upper Rio Grande Watershed and spent time with Trinchera Ranch to find an outlet for the biomass being produced.

Dan Dallas reported on the Wolf Creek Village site visit. He said the EIS is moving forward for the project and there will be a public comment period and additional disclosures as it moves forward. The timeframe to complete the EIS is projected to be 18 months and they are 3-4 months into it at this point.

President Whitten thanked Dan Dallas for his report.

GREAT SAND DUNES NATIONAL PARK REPORT

President Whitten asked for a report from the Great Sand Dunes National Park. Fred Bunch was present to report on the following:

Mr. Bunch reported on different research projects being conducted at the Sand Dunes this year including low frequency sounds created by the Sand Dunes, surface mapping with Lidar and post-burn research.

Fred also reported that this was the second year of data collection from ten new monitoring wells around the west boundary of the Park. BOR crews helped complete the 10 monitoring wells to allow the Park to measure the unconfined aquifer. A storm at end of August sent 1200 cfs of water down Medano Creek but it came too fast to affect the well measurements.

Discussion was held on bear incidents in the Park.

President Whitten thanked Mr. Bunch for his report.

U.S.G.S. REPORT

President Whitten asked Ken Watts for his report.

Mr. Watts gave an update on the well measurement program and will be talking later today about Joint Funding Agreement for 2012.

Ken presented the Board with a map for the aerial mapping project and explained which areas on the map had been surveyed by the USGS.

Mr. Watts reported on the new National Water Information Website. The website is user friendly and allows the user to access water data and print maps and hydrographs.

President Whitten thanked Mr. Watts for his report.

The Meeting adjourned for lunch at 12:28 P.M. and reconvened at 1:42 P.M.

A motion was made to move Chris Landry's presentation after Craig Cotton's report. The motion was seconded and passed unanimously.

SAN LUIS VALLEY WATER CONSERVANCY DISTRICT/RIO GRANDE BASIN ROUNDTABLE/RIO GRANDE HEADWATERS RESTORATION PROJECT

President Whitten asked for a report from Mike Gibson and Heather Messick.

Mike updated the Board on the augmentation water program for the Conservancy District.

He reported the Rio Grande Basin Roundtable continues to meet monthly. The board is looking at other methodologies to predict snowpack. There are continued discussions with the IBOC on alternatives to meet the State's shortfall on domestic water supplies that is projected in 2050 when the population is expected to double. Funding was approved in the amount of \$290,000 for the McDonald Ditch. An update was given on a funding request to the Board for the Sanchez Reservoir. The proposal would bring the Sanchez Reservoir system into the 21st century. Projects are being looked at more critically by the staff and Board.

Heather Messick gave an update on the Rio Grande Headwaters Restoration Project and the progress for projects. Phase 4 is moving forward and received funding from the Roundtable and the EPA.

Mike gave an update on the Plaza Project. A new diversion structure will be placed along with a boat and fish passage, a new automated head gate, mitigation to a damaged wetland, and repairs/restoration on two miles of the river.

President Whitten thanked Mr. Gibson for his report.

DIVISION ENGINEER

President Whitten asked for the Division Engineer's report. Craig Cotten was present and gave the following report (ten-day forecast handout is attached):

Craig updated the Board on the snowpack averages around the Valley and the current forecast for the Rio Grande Compact. Discussion was held on the compact deliveries and the lawsuit between New Mexico and Texas. He also gave an update on the model. He reported the peer review group is meeting on a weekly basis to get the model results corrected.

Craig reported that on October 20, 2011, both surface ditches and wells will be shut off on the Conejos River and the State is looking at November 1st as the shutoff date for the rest of the Valley, The State should meet the remaining compact requirements with the November and December deliveries. Discussion was held on an emergency right to irrigate for winter irrigation. Mr. Robbins reiterated that there needs to be a policy in place before requests are made so people know what to expect.

Craig announced that Judy Lopez was selected as Water Educator of the Year.

President Whitten thanked Mr. Cotten for his report.

COLORADO STATE PARKS

President Whitten asked for a report from Colorado State Parks. No one was present to report.

RIO GRANDE INITIATIVE/R.I.G.H.T.

Rio de la Vista thanked the board for their continued support and gave an update on the projects that RiGHT is currently working on. Rio also reported that they will hopefully have a dedication ceremony for the Shriver-Wright area in March.

President Whitten thanked Rio for her report.

DUST ON SNOW UPDATE

Chris Landry gave a presentation on the 2011 Dust on Snow Study. Chris reported on the source of the dust and the trends in the data.

President Whitten thanked Mr. Landry for his report.

COLORADO WATER CONSERVATION BOARD

President Whitten asked for a report from CWCB. Travis Smith was present to report on the following:

Travis reported that there is a new website for CW/CB. He also gave an update on Governor Hickenlooper's State Water Plan and in-stream flows.

President Whitten thanked Mr. Smith for his report.

WILLOW CREEK RECLAMATION COMMITTEE

President Whitten asked for a report from the Willow Creek Reclamation Committee. Zeke Ward was present to report on the following:

The lower Willow Creek Restoration Company will take title to the land being donated by the Town of Creede next month. The cleanup plan for lower Willow Creek has been submitted. They are hoping to do stream channel reconstruction. The fairgrounds reclamation project has been completed. The Willow Creek Reclamation Committee is going to help Mineral County with weed control.

President Whitten thanked Mr. Ward for his report.

N.R.C.S.

President Whitten asked for a report from the N.R.C.S. Mike Collins was present to report on the following:

Mike reported that 2.3 million dollars was spent for the EQIP program in the Valley. The payments involved improvements in irrigation practices, improving soil health with diversity, cover crops and multi-species cover crops. A WEP proposed \$827,000 for irrigation, which includes organic matter and surface water improvements to take pressure off the groundwater system.

The agency is targeting needs around the valley. South of the Rio Grande applications are concentrated on surface water and alfalfa, while north of the Rio Grande applications are concentrated on groundwater. The agency is looking at project plans per county and want to put together a plan on resource issues and connectivity within the riparian zone.

President Whitten thanked Mr. Collins for his report.

JUDY LOPEZ EDUCATION SPECIALIST

President Whitten asked for report from the Education Specialist. Judy Lopez was present to report on the following:

Judy reported on her education efforts with kids involving various organizations. She reported that Governor Hickenlooper designated 2012 as a year of water to create awareness. Ms. Lopez feels that we need to start teaching everyone the value of water as a resource in 2012. The year of water will celebrate several reservoirs and CW/CB like organizations.

Judy requested \$5,000 from the board for another fulltime educator. No action was taken.

President Whitten thanked Ms. Lopez for her report.

REPORT ON SUBDISTRICT #1

President Whitten asked for an update on Subdistrict #1. Steve Vandiver reported on the following:

Steve stated that Subdistrict #1 continues to require a lot of effort to get data coordinated. The fees must be calculated and submitted to the counties by December 1st so the new employees are fully committed to that effort. He informed the board that the Board of Managers of Subdistrict #1 is recommending a variable fee of \$75.00 an acre foot. Discussion was held on the variable fee. Mr. Robbins and Mr. Vandiver reminded the Board that the Subdistrict must document in the budget that the full amount collected from the variable fee can be expended in that year. If the money cannot be expended, the fee cannot be more than what is needed.

If the Subdistrict #1 Supreme Court ruling is positive, work will increase for the other proposed subdistricts. The work will include the petition process and the writing of management plans for each of those subdistricts.

Kent Palmgren recognized David Schreck's contributions to Subdistrict #1 and made a motion to accept the recommendation from the Rio Grande Canal that Tony Holcomb replace David Schreck on the Board of Managers. The motion was seconded and passed unanimously.

CSU EXTENSION OFFICE

President Whitten asked for a report from the CSU Extension office. Jeanna Paluzzi was present to report on the following:

Jeanna reported on a workshop that will take place in February and will focus on energy issues. She also invited the Board to attend a workshop on microhydro.

President Whitten thanked Ms. Paluzzi for her report.

ACTION ITEMS

The Board of Directors discussed each action item listed below.

Funding for 2012 Dust on Snow Study

A motion was made to provide \$5,000 in funding to the Dust on Snow Project for 2012. The motion was seconded. Discussion was held on the importance of the Dust on Snow Study and the location of the research sites. The motion was unanimously passed.

Funding of Replacement Water for Subdistrict #1

Discussion was held on the funding of replacement water for Subdistrict #1 and no action was taken at this time.

Funding for Subdistrict #1 Programmatic Environmental Assessment

Discussion was held on the funding for Subdistrict #1 Programmatic Environmental Assessment for the CREP program. Steve reported that \$70,000-\$80,000 would be needed to complete the assessment. A motion was made, seconded and passed unanimously fund the CREP Programmatic Environmental Assessment up to \$70,000.

Joint Funding Agreement for Fiscal Year 2012 between the RGWCD and USGS

Discussion was held on the Joint Funding Agreement for fiscal year 2012 between the RGWCD and USGS. Steve reported that the District's obligation for 2012 would be \$40,954. A motion made, seconded and passed unanimously to fund the agreement in the amount of \$40,950.

Approval of the Policy for Access to Public Records

Discussion was held on a policy for access to public records. Leon Moyer commented that public records are meant to be accessible. A discussion on the request for documents and the proposed amount of money to access records was held. A motion was made, seconded and passed unanimously to approve the policy for access to public records.

Setting of Date for Budget Hearing for 2012 Budget

The Board set the 2012 Budget Hearing for November 14, 2011, at 10:00 A.M.

DIRECTORS REPORTS

President Whitten asked for any reports from the Board.

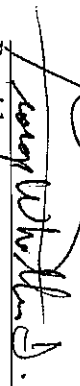
Lewis Entz asked about the progress on Subdistrict #2. Greg stated that Subdistrict #2 will not be ready to move forward until the model is done.

ADJOURN

A motion was made to adjourn at 4:25 p.m. The motion was seconded and passed unanimously.

The next scheduled meeting will be held on January 17, 2012.

President



Secretary/Treasurer



RIO GRANDE WATER CONSERVATION DISTRICT
Profit & Loss Budget vs. Actual
January through September 2011

	Jan - Sep 11	Budget	\$ Over Budget	% of Bu...
Income				
4100.1 · Property Tax				
4110.1 · Current Property Tax	938,106.97	974,244.00	-36,137.03	96.3%
4120.1 · Delinquent Property Tax	3,681.54	5,000.00	-1,318.46	73.6%
4130.1 · Specific Ownership Tax	86,206.85	135,000.00	-48,793.15	63.9%
4140.1 · Interest on Tax	4,170.22	3,500.00	670.22	119.1%
4150.1 · Treasurers Fees	-28,216.04	-29,227.00	1,010.96	96.5%
Total 4100.1 · Property Tax	1,003,949.54	1,088,517.00	-84,567.46	92.2%
4215.1 · Grant/Contract Revenue	0.00	50,000.00	-50,000.00	0.0%
4220.0 · Reimbursement	0.00	158,800.00	-158,800.00	0.0%
4230.1 · Overhead Income -RGW	3,389.53	9,000.00	-5,610.47	37.7%
4310.1 · Interest on Investments-RGW	12,397.68	25,000.00	-12,602.32	49.6%
4310.3 · Interest on Investments-Study	15,795.83	30,000.00	-14,204.17	52.7%
4910.1 · Miscellaneous Revenue-RGW	1,092.46	2,500.00	-1,407.54	43.7%
Total Income	1,036,625.04	1,363,817.00	-327,191.96	76.0%
Gross Profit				
	1,036,625.04	1,363,817.00	-327,191.96	76.0%
Expense				
5110.1 · Director's Fees - RGW	700.00	3,000.00	-2,300.00	23.3%
5121.1 · Manager Salary - RGW	45,200.34	53,000.00	-7,799.66	85.3%
5131.1 · Office Manager Salary - RGW	29,956.56	35,100.00	-5,143.44	85.3%
5133.1 · ITHCP/Subdistrict	15,367.88	100,000.00	-84,632.12	15.4%
5142.1 · Payroll Taxes - RGW	10,940.56	16,750.00	-5,809.44	65.3%
5152.1 · Medical/Life Benefits - RGW	20,090.68	35,000.00	-14,909.32	57.4%
5160.1 · Accounting Services - RGW	6,025.00	8,500.00	-2,475.00	70.9%
5170.1 · Clerical Services - RGW	4,888.78	28,000.00	-23,111.22	17.5%
5182.1 · Pension Benefit - RGW	6,505.63	12,500.00	-5,994.37	52.0%
5214.1 · Director's Mileage - RGW	1,474.41	2,500.00	-1,025.59	59.0%
5215.1 · Director's Travel - RGW	1,538.28	2,500.00	-961.72	61.5%
5218.1 · Director's Other Expense - R...	692.53	3,000.00	-2,307.47	23.1%
5225.1 · Manager's Travel - RGW	3,384.61	2,500.00	884.61	135.4%
5228.1 · Manager's Other Expense - R...	926.84	3,000.00	-2,073.16	30.9%
5245.1 · District Travel - RGW	2,175.94	2,500.00	-324.06	87.0%
5310.1 · Memberships, Dues, Subs - R...	6,890.00	7,000.00	-110.00	98.4%
5320.1 · Insurance/Workers Comp - R...	11,259.57	12,000.00	-740.43	93.8%
5330.1 · Office Supplies - RGW	2,844.66	4,000.00	-1,155.34	71.1%
5340.1 · Rent - RGW	13,275.00	17,850.00	-4,575.00	74.4%
5350.1 · Telephone - RGW	3,464.96	2,500.00	964.96	138.6%
5355.1 · Cell Phones - RGW	2,086.20	3,500.00	-1,413.80	59.6%
5360.1 · Postage - RGW	2,209.81	3,000.00	-790.19	73.7%
5370.1 · Printing and Copies - RGW	0.00	500.00	-500.00	0.0%
5375.1 · Equipment Repair/Maint - RGW	2,625.11	2,500.00	125.11	105.0%
5380.1 · Miscellaneous Expense - RGW	314.50	1,500.00	-1,185.50	21.0%
5410.1 · Legal Services - RGW	159,446.37	400,000.00	-240,553.63	39.9%
5420.1 · Engineering Services - RGW	234,393.12	300,000.00	-65,606.88	78.1%
5430.1 · Consulting Services - RGW	554.20	1,000.00	-445.80	55.4%
5440.1 · Governmental Advice - RGW	33,137.92	60,000.00	-26,862.08	55.2%
5510.1 · Governmental Relations - RGW	375.00	2,000.00	-1,625.00	18.8%
5520.1 · Public Education - RGW	9,664.62	15,000.00	-5,335.38	64.4%
5530.1 · Public Relations - RGW	400.00	1,000.00	-600.00	40.0%
5610.1 · Equipment Replacement - RG...	16,656.17	35,000.00	-18,343.83	47.6%
5810.1 · Training and Education - RGW	254.00	1,500.00	-1,246.00	16.9%
5820.1 · Awards-RGW	350.00	0.00	350.00	100.0%
6010.1 · RGDSS - Salary	3,374.27	7,000.00	-3,625.73	48.2%
6017.1 · RGDSS - Supply	284.25	3,500.00	-3,215.75	8.1%
6110.1 · Well Measurements Salary - ...	18,369.65	24,000.00	-5,630.35	76.5%
6117.1 · Well Measurement Supply - R...	4.08	500.00	-495.92	0.8%
6120.1 · Norton Drain - Salary	454.28	2,000.00	-1,545.72	22.7%
6127.1 · Norton Drain Supply - RGW	0.00	500.00	-500.00	0.0%
6129.1 · Norton Drain Contract Labor	0.00	10,000.00	-10,000.00	0.0%
6145.1 · River Maint Coop Agreements	10,000.00	30,000.00	-20,000.00	33.3%
6150.1 · Other Const/Maint Salary - R...	1,540.48	10,000.00	-8,459.52	15.4%
6157.1 · Other Const/Maint Supply - R...	0.00	500.00	-500.00	0.0%
6158.1 · Well Permits	900.00	120.00	780.00	750.0%

9:09 AM
 10/18/11
 Accrual Basis

RIO GRANDE WATER CONSERVATION DISTRICT
Profit & Loss Budget vs. Actual
 January through September 2011

	Jan - Sep 11	Budget	\$ Over Budget	% of Bu...
6160.1 · Transportation	3,802.66	7,500.00	-3,697.34	50.7%
6170.1 · Irrigated Ag Salary - RGW	480.00	0.00	480.00	100.0%
6190.1 · Special Projects - RGW	153,865.90	225,000.00	-71,134.10	68.4%
7119.3 · Contract Labor - Study	9,730.00	100,000.00	-90,270.00	9.7%
9100.1 · Cooperative Agreements	38,520.00	48,500.00	-9,980.00	79.4%
Total Expense	891,397.82	1,646,820.00	-755,422.18	54.1%
Net Income	145,227.22	-283,003.00	428,230.22	-51.3%

1969 (NEPA) (Public Law 91-190) and in accordance with regulations issued by the Council on Environmental Quality (CEQ) dated November 29, 1978.

2. Public Law 92-514. Public Law 92-514, dated October 20, 1972, authorized the Secretary of the Interior " . . . to construct, operate, and maintain the Closed Basin Division, San Luis Valley Project, Colorado"

a. Drawdown defined--Section 102 of the act, as amended by Public Law 96-375, is quoted below:

Section 102. (a) Prior to commencement of construction of any part of the project, except channel rectification, there shall be incorporated into the project plans a control system of observation wells, which shall be designed to provide positive identification of any fluctuations in the water table of the area surrounding the project attributable to operation of the project or any part thereof. Such control system, or so much thereof as is necessary to provide such positive identification with respect to any stage of the project, shall be installed concurrently with such stage of the project.

(b) The Secretary shall operate project facilities in a manner that will not cause the water table available for any irrigation or domestic wells in existence outside of the project boundary prior to the construction of the project to drop more than two feet and in a manner that will not cause reduction of artesian flows in existence prior to the construction of the project.

b. Three-member operating committee--Section 103 of the act states as follows:

Section 103. There is hereby established an operating committee consisting of one member appointed by the Secretary, one member appointed by the Colorado Water Conservation Board, and one member appointed by the Rio Grande Water Conservation District, which is authorized to determine from time to time whether the requirements of section 102 of this Act are being complied with. The committee shall inform the Secretary if the operation of the project fails to meet the requirements of section 102 or adversely affects the beneficial use of water in the Rio Grande Basin in Colorado as defined in article I(c) of the Rio Grande compact (53 Stat. 785). Upon receipt of such information the Secretary shall modify, curtail, or suspend operation of the project to the extent necessary to comply with such requirements or eliminate such adverse effect.

c. Water delivery--Section 104 of the act states that water will be made available in the following order:

(1) To assist in making the annual delivery of water at the gaging station on the Rio Grande near Lobatos, Colorado, as required by

Answer - Currently there are 37 active Salvage Wells in Stages 4 & 5, with a present rate of production of about 7,300 AF/yr

- c. How many acre-feet for each month?
 d. What were the annual acre-feet totals?

YEAR	STAGE 4	STAGE 5
1992	8,834	
1993	12,984	9,049
1994	9,872	5,878
1995	6,791	3,283
1996	9,274	4,630
1997	13,927	6,341
1998	9,494	7,043
1999	7,231	2,778
2000	4,339	2,076
2001	2,641	3,395
2002	2,075	3,844
2003	1,761	3,325
2004	2,641	1,641

2005	3,050	1,698
2006	3,867	2,146
2007	3,961	2,203
2008	4,640	1,715
2009	4,836	2,113

*Called Jan 24, 2011
 Talked to Rick Roberts
 Phase 2D/10*

- 8) Is stage 5 water so due to pumping from you move.

*Answer - Not sure. Stage 5 is about 391 project to have it de the TDS is the high you move.
 4 5,033 acre ft.
 5 1,839 acre ft.*

of the active wells in on other parts of the ed standard. Generally ases the further upslope

- 9) RGWCD - Has AW (on over a million d you considered infil Water?)

Shawn May 18, 2010 response to question.

to you use the interest his amount to? Have y to "save the Valley's

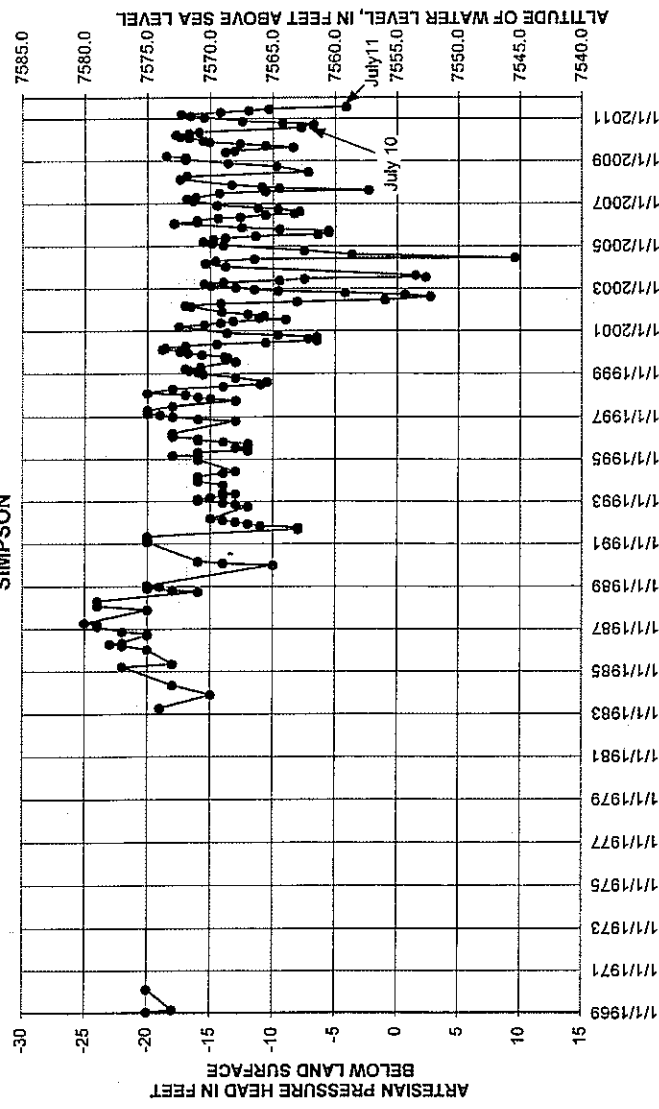
- 10) Is this really RGWCD money since it was supposed to be reimbursed to taxpayers?
 11) The Closed Basin Project cuts to the front of the line of historical water users by pumping from the confluence of alluvial inflows. Where does the flow of RIO Grande water via ditch associations come near or cross Hwy 17? What Closed Basin Project phases might be "salvaging" that water?

Answer - Land with surface water rights from the Rio Grande River east of Hwy 17, is located south of the Alamosa/Saguache County line. Any recharge in this area would most directly impact Stages 1,2,3.

- 12) Once pumping begins, creating a gradient so that water begins more active movement toward the lower level, wouldn't this set in motion a slow domino effect as a larger-area water table moves to a new equilibrium (kinetics, I think)?

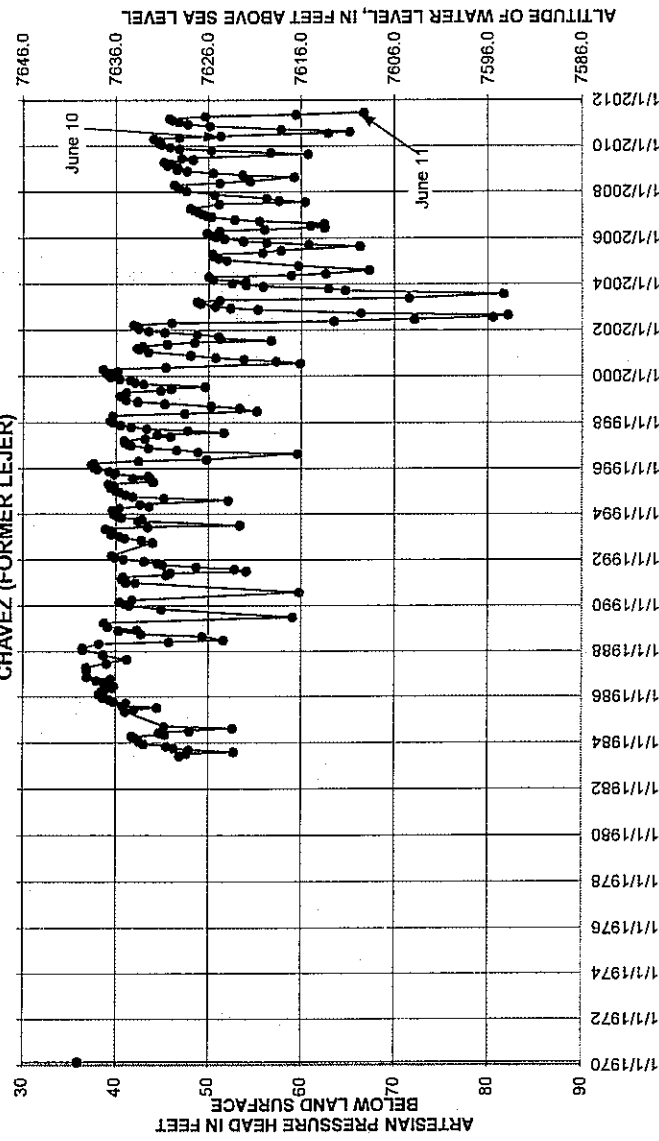
Answer - Groundwater pumping causes what is called a "cone of depression" The closer to the well you are, the steeper the drawdown. The further away from the well you are, the drawdown becomes less and less.

CON.2 NA-35-1-12-BBC
371745105501001 Well Depth = 700 ft
SIMPSON



PERIOD OF RECORD

CON.1 NA-35-9-7-CCC
371705106021501 Well Depth = 608 ft
CHAVEZ (FORMER LEJER)

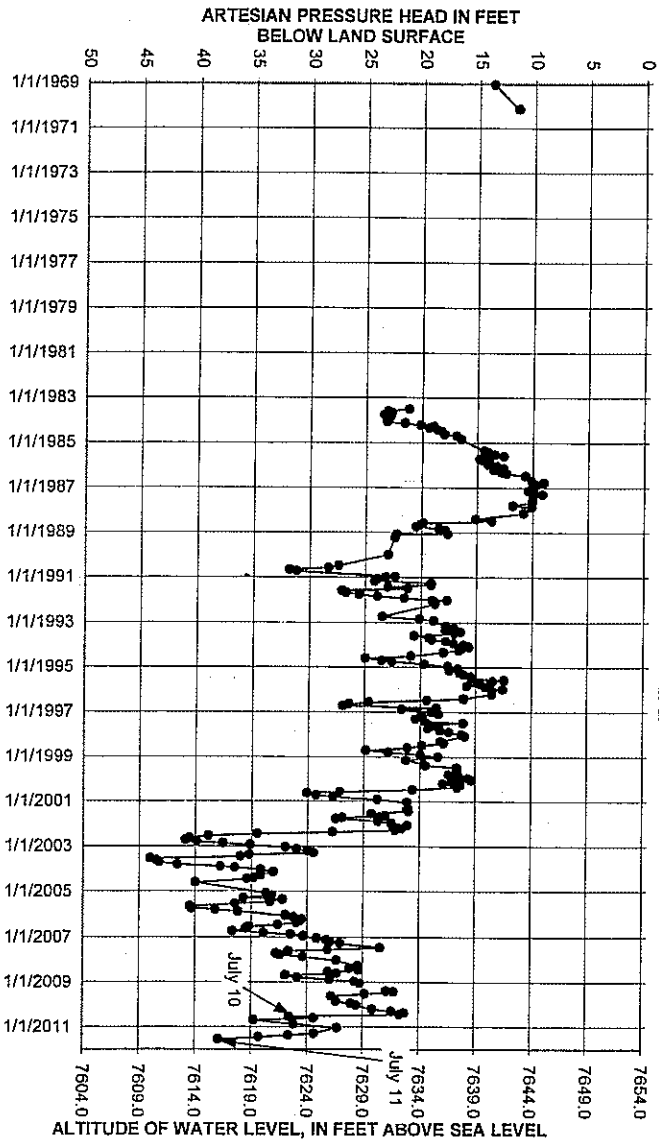


PERIOD OF RECORD

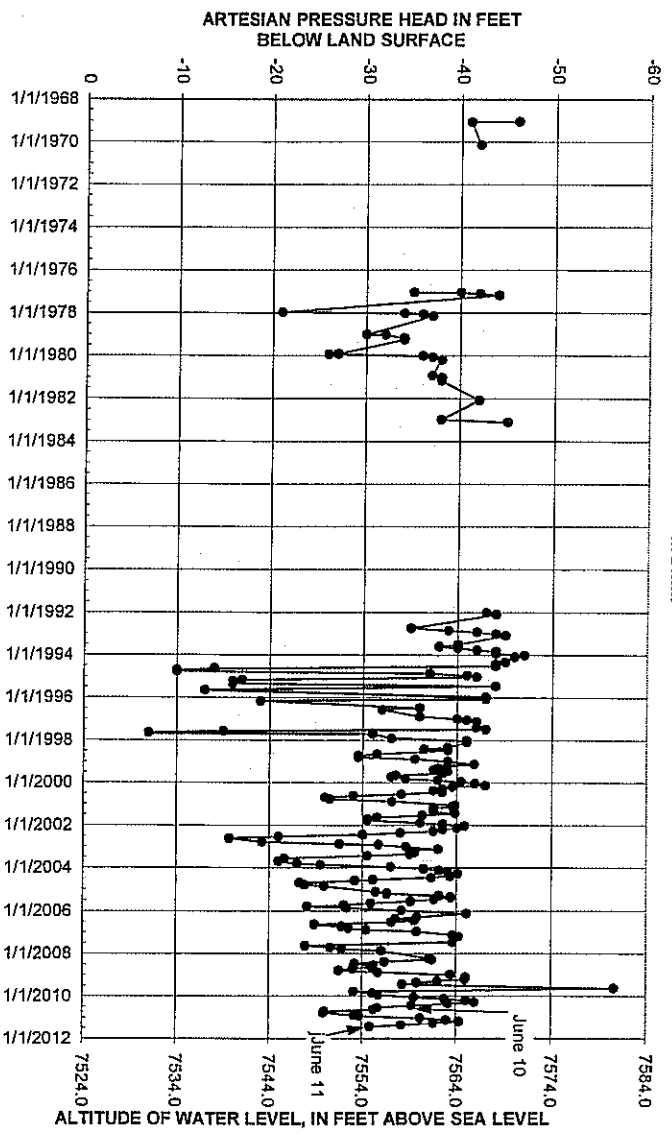
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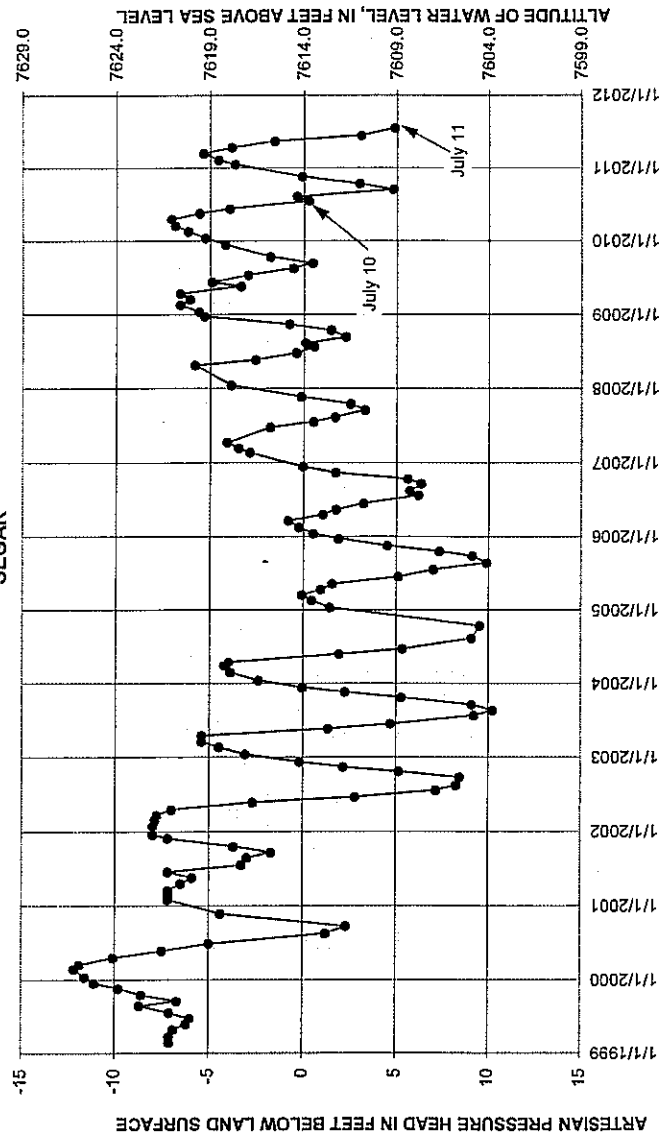
PERIOD OF RECORD



PERIOD OF RECORD

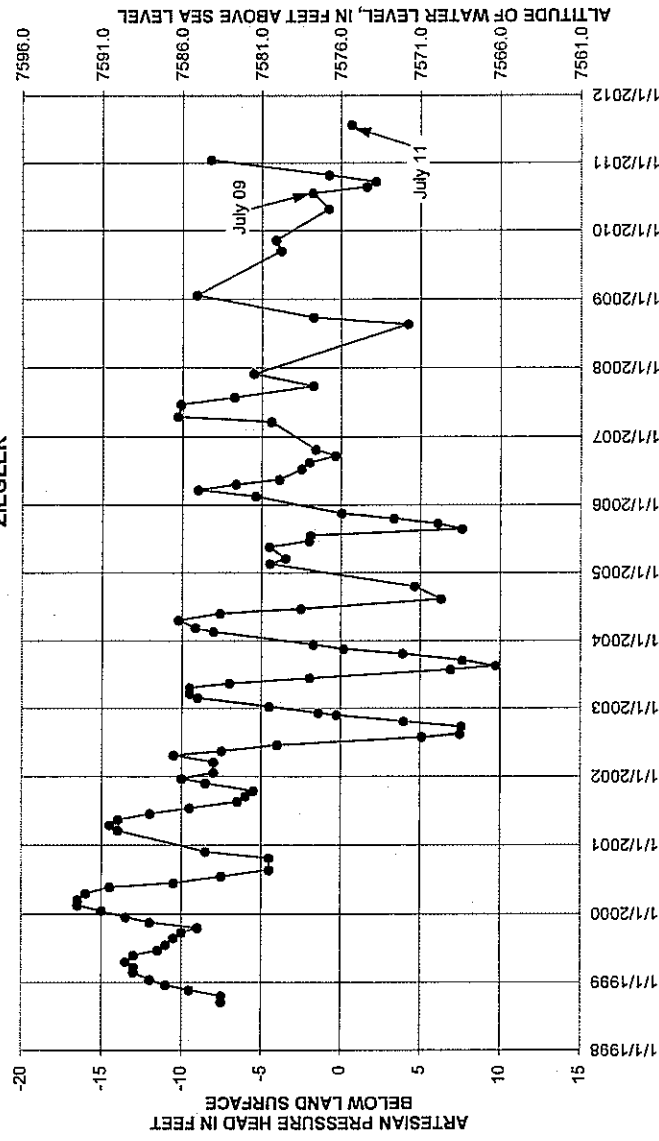


RIO.2 NA-38-8-13-BDB
 373227106030301 Well Depth = 1500 ft
 SEGAR



PERIOD OF RECORD

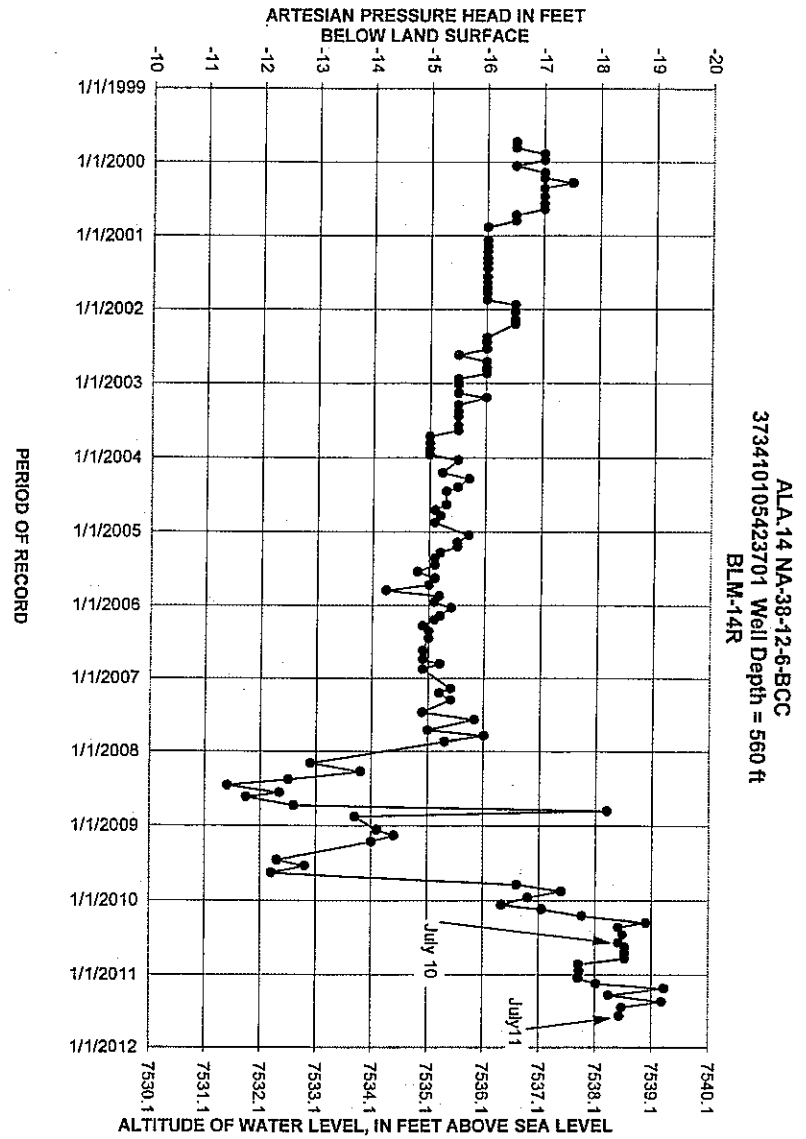
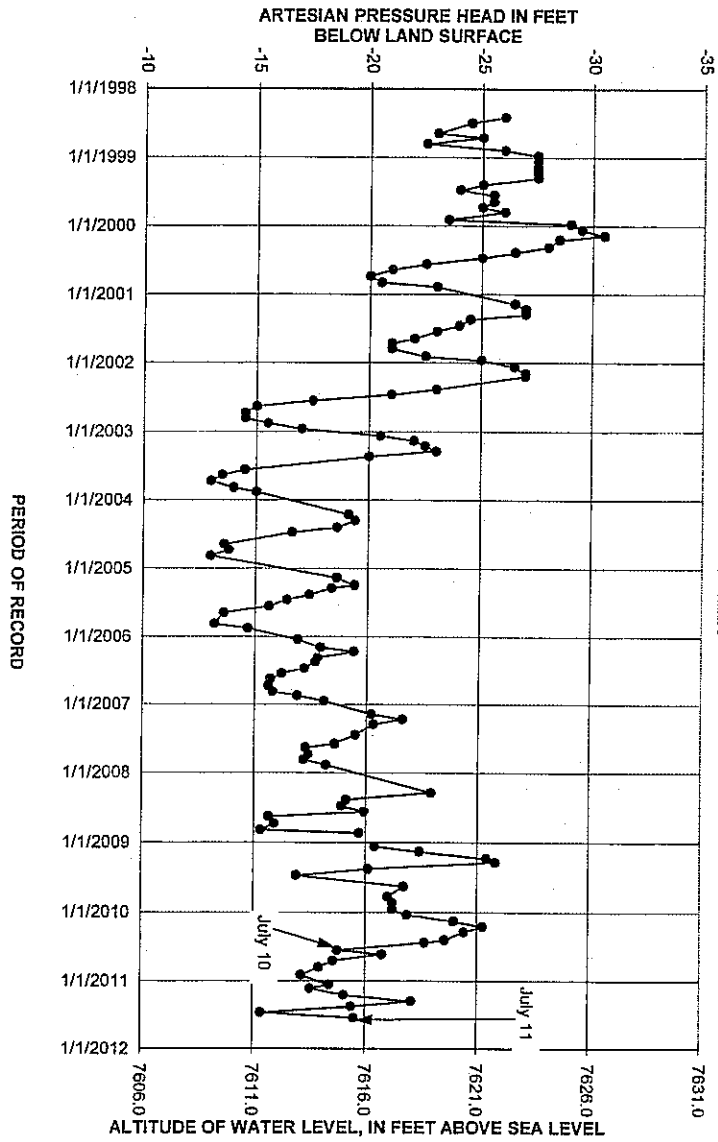
ALA.12 NA-38-9-34-ADB
 372950105580801 Well Depth = 899 ft
 ZIEGLER



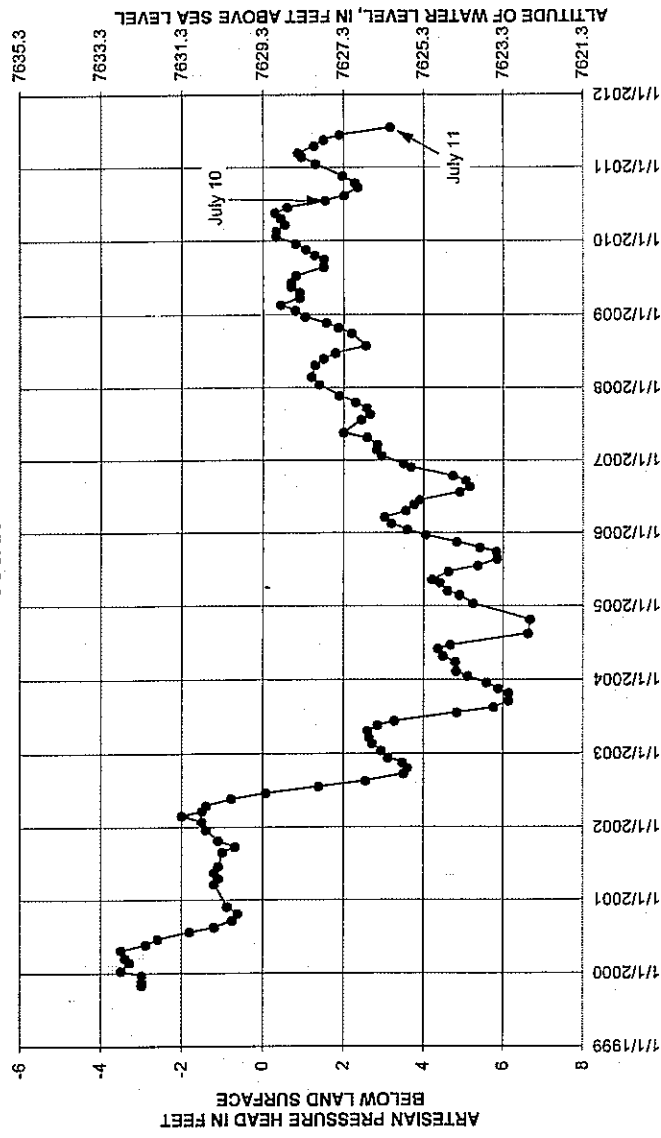
PERIOD OF RECORD

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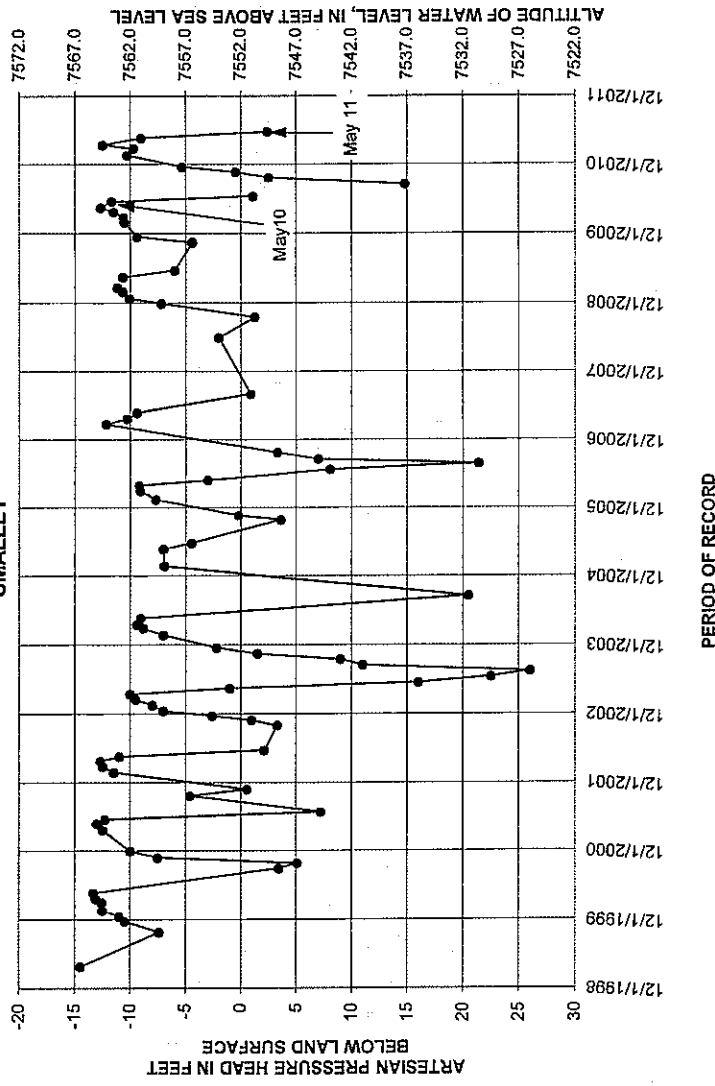
DRAFT



RIO.3 NA-39-8-23-CAB
 373633106040901 Well Depth = 199 ft
 GOSAR

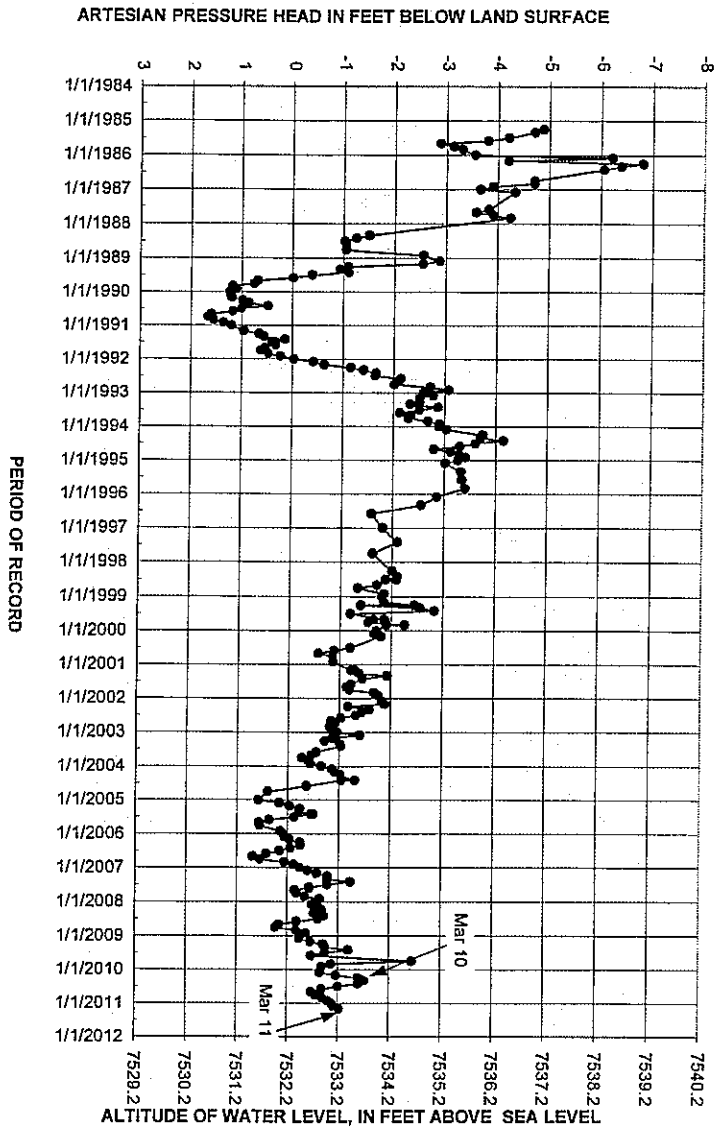
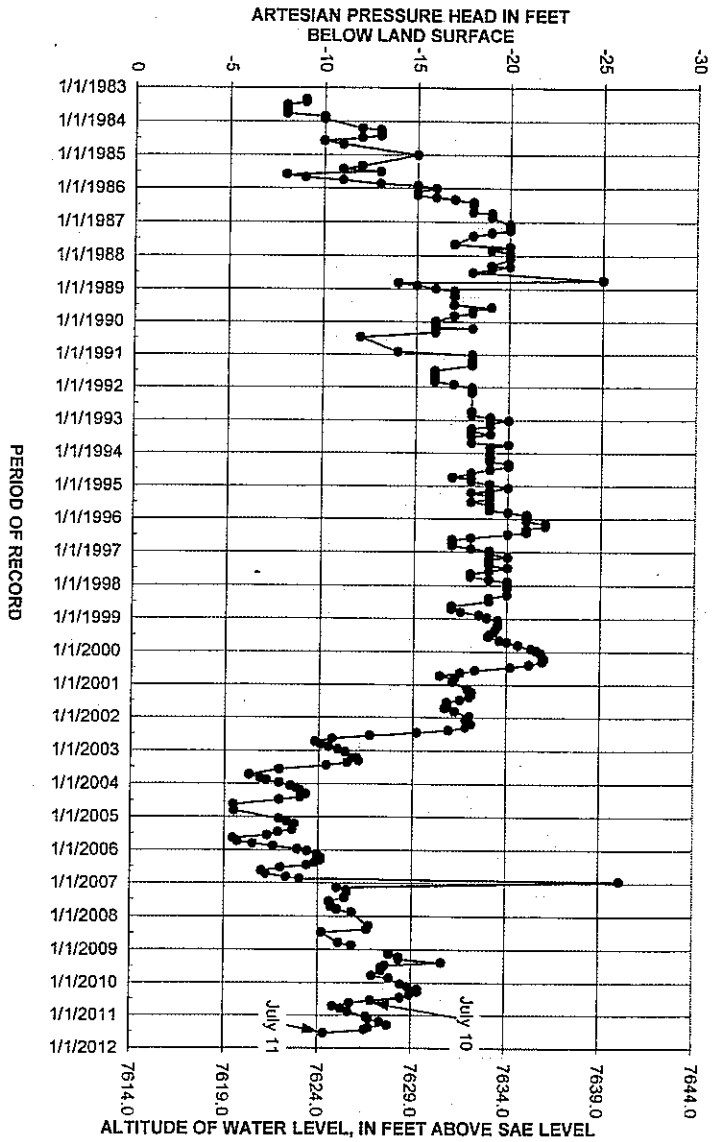


ALA.13 NA-39-10-14-BBC
 37374810511501 Well Depth = 2150 ft
 SMALLEY

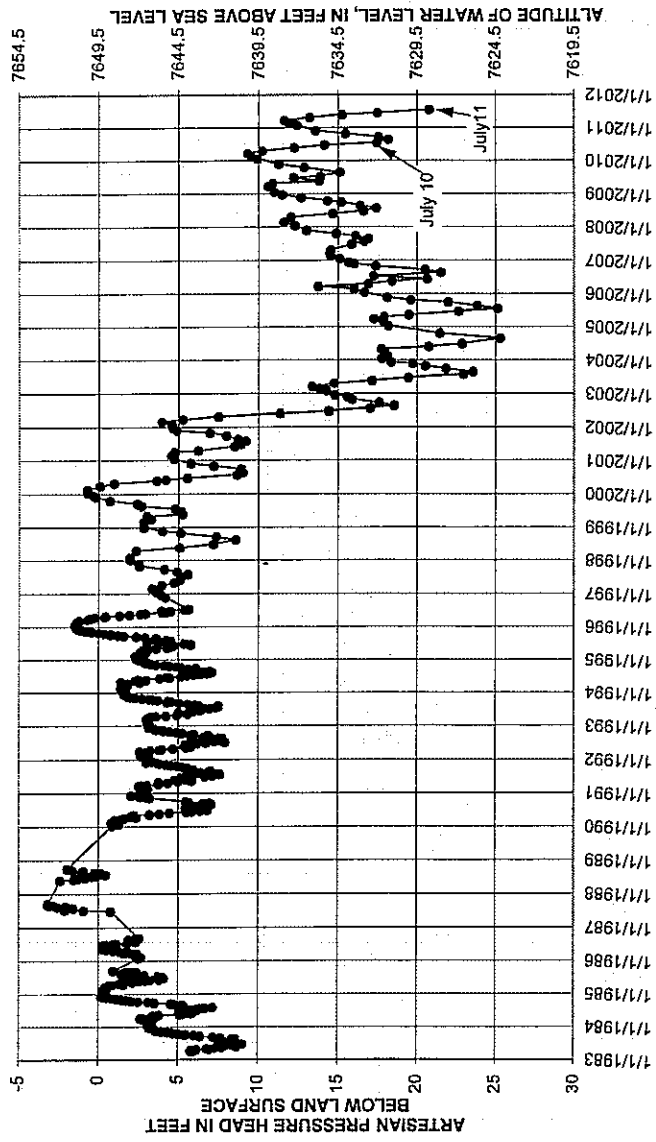


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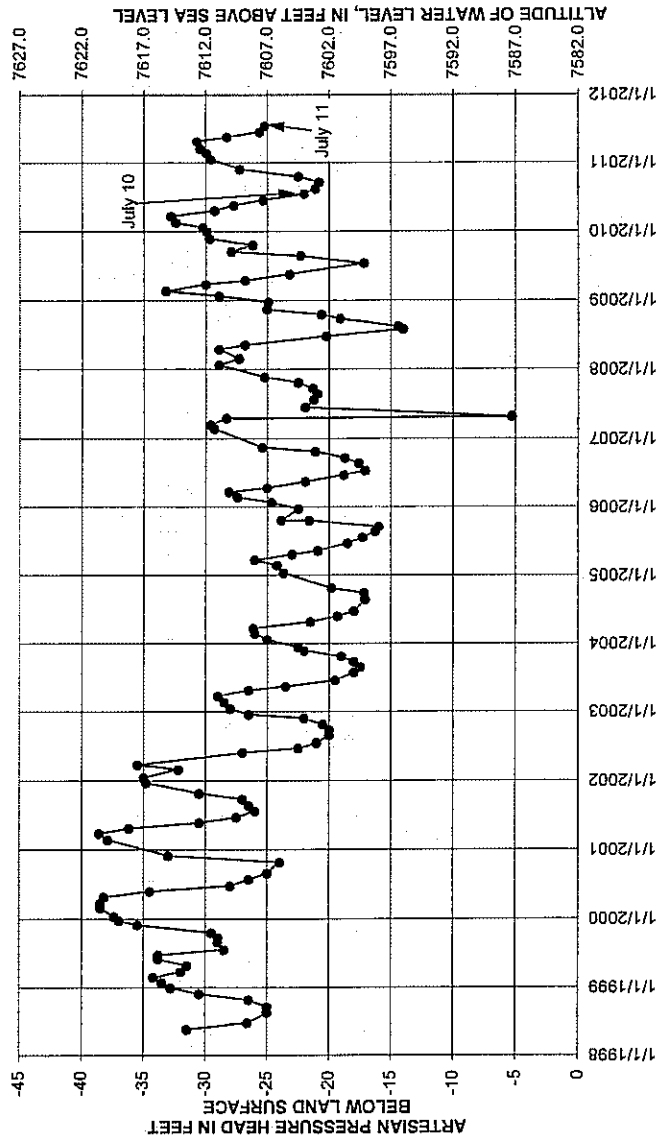


SAG7, NA-41-8-32-DDA
 374505106054501 Well Depth = 386 ft
 CENTER SCHOOL



PERIOD OF RECORD

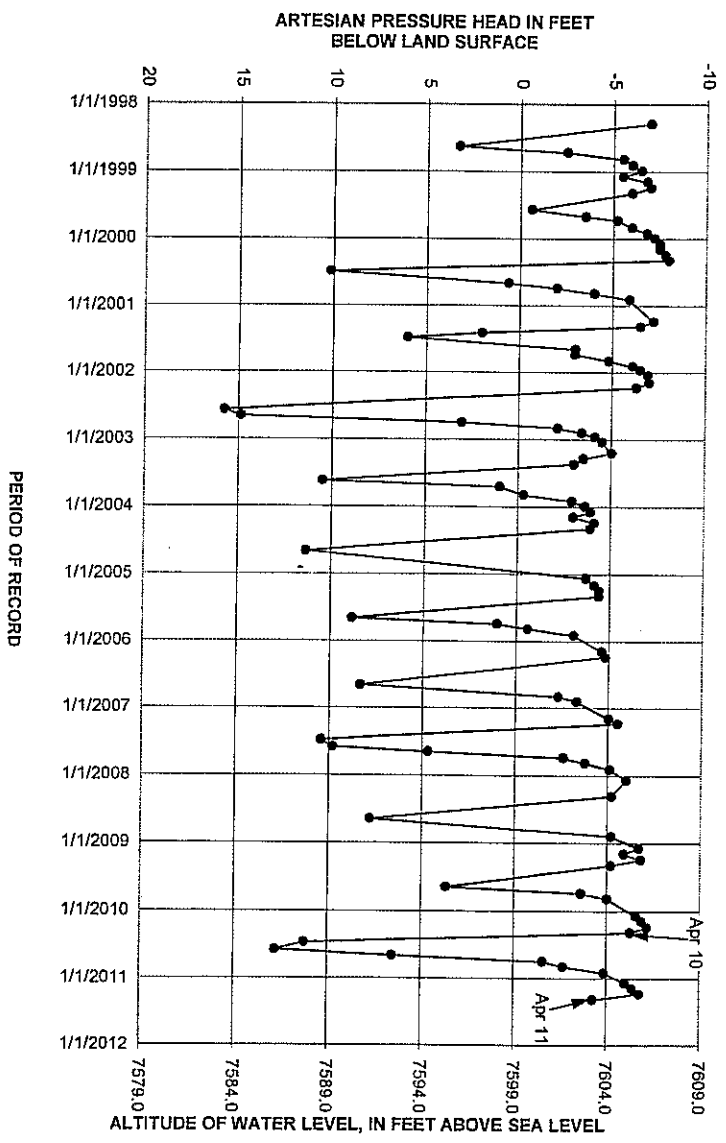
SAG11, NA-42-9-31-CCC
 375009106021001 Well Depth = 1350 ft
 MEADOW RANCH SOUTH



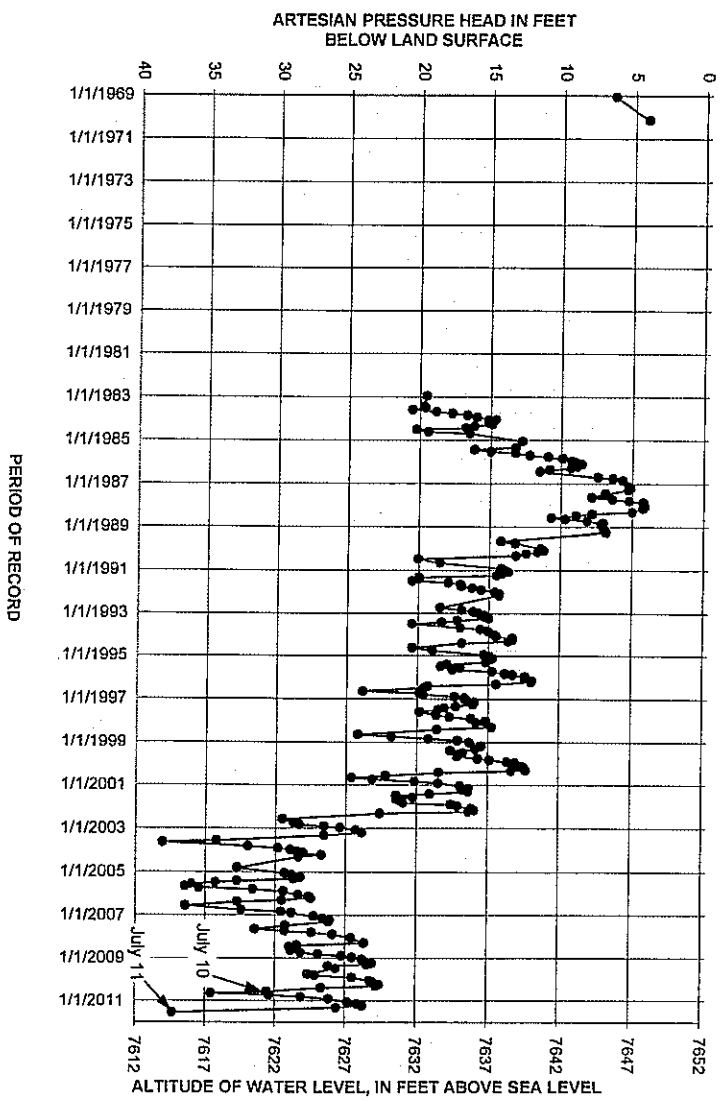
PERIOD OF RECORD

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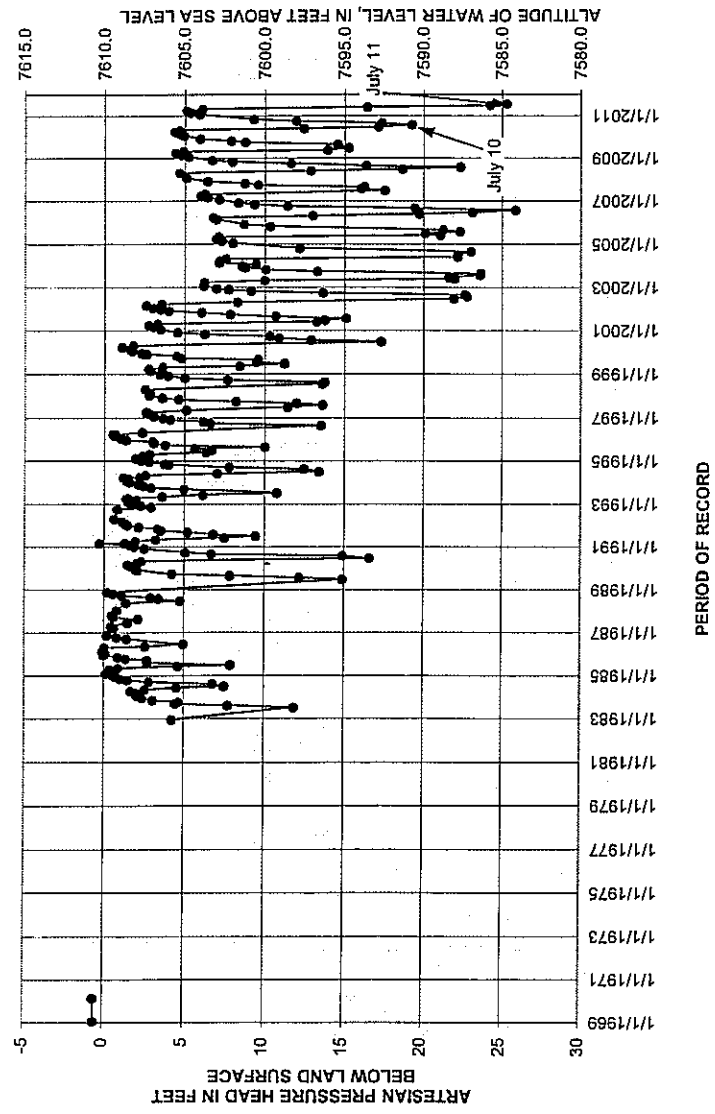


SAG12. NA-43-8-1-BBA
380047106024801 Well Depth = 560 ft
WHITTEN



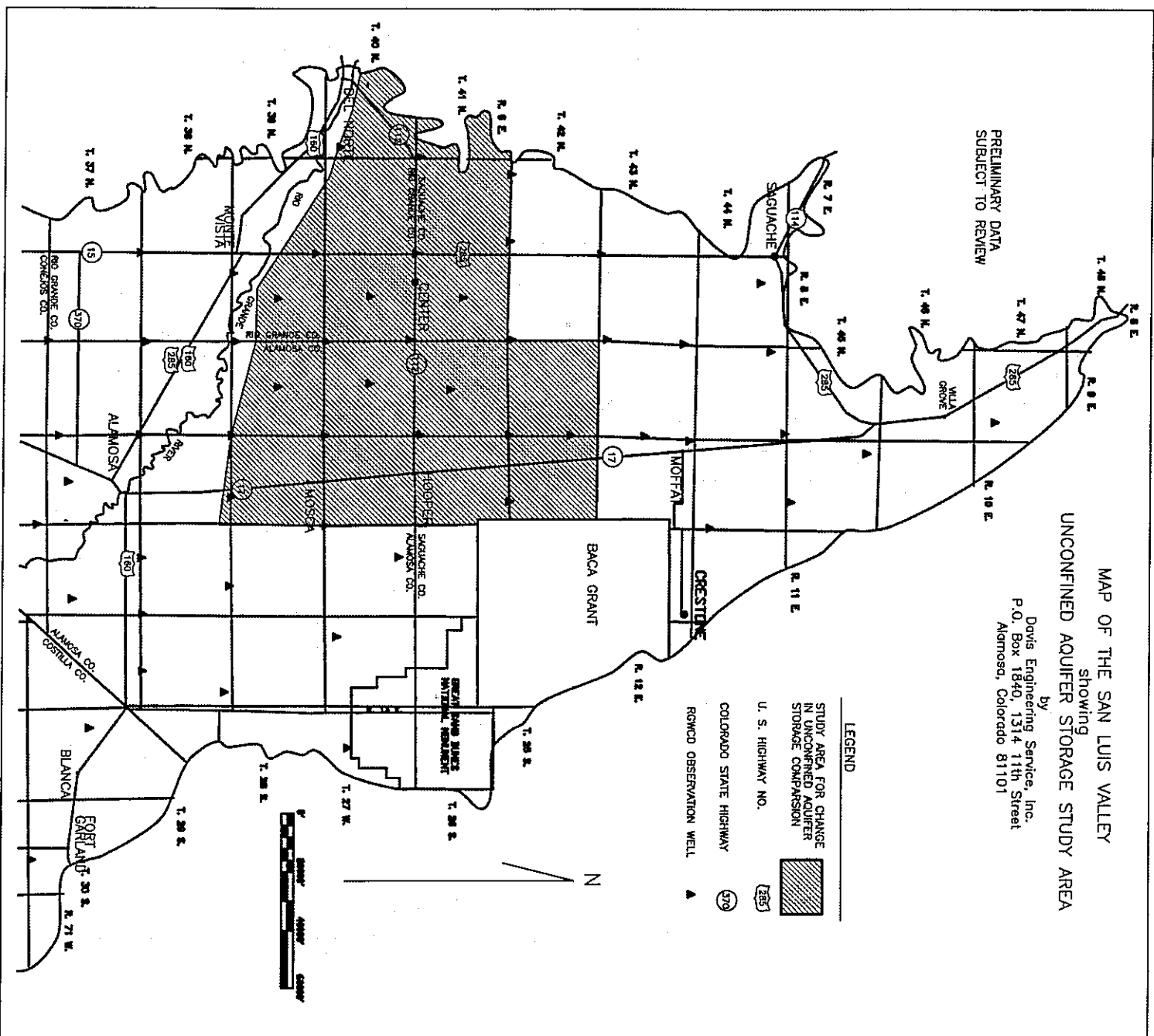
SAG1. NA-42-7-35-BCC
375035106105501 Well Depth = 825 ft
ANDERSON SOUTH

SAG3, NA-43-8-3-ABB
380045106044501 Well Depth = 580 ft
ALEXANDER



DRAFT

OCT. 18 2011
handout



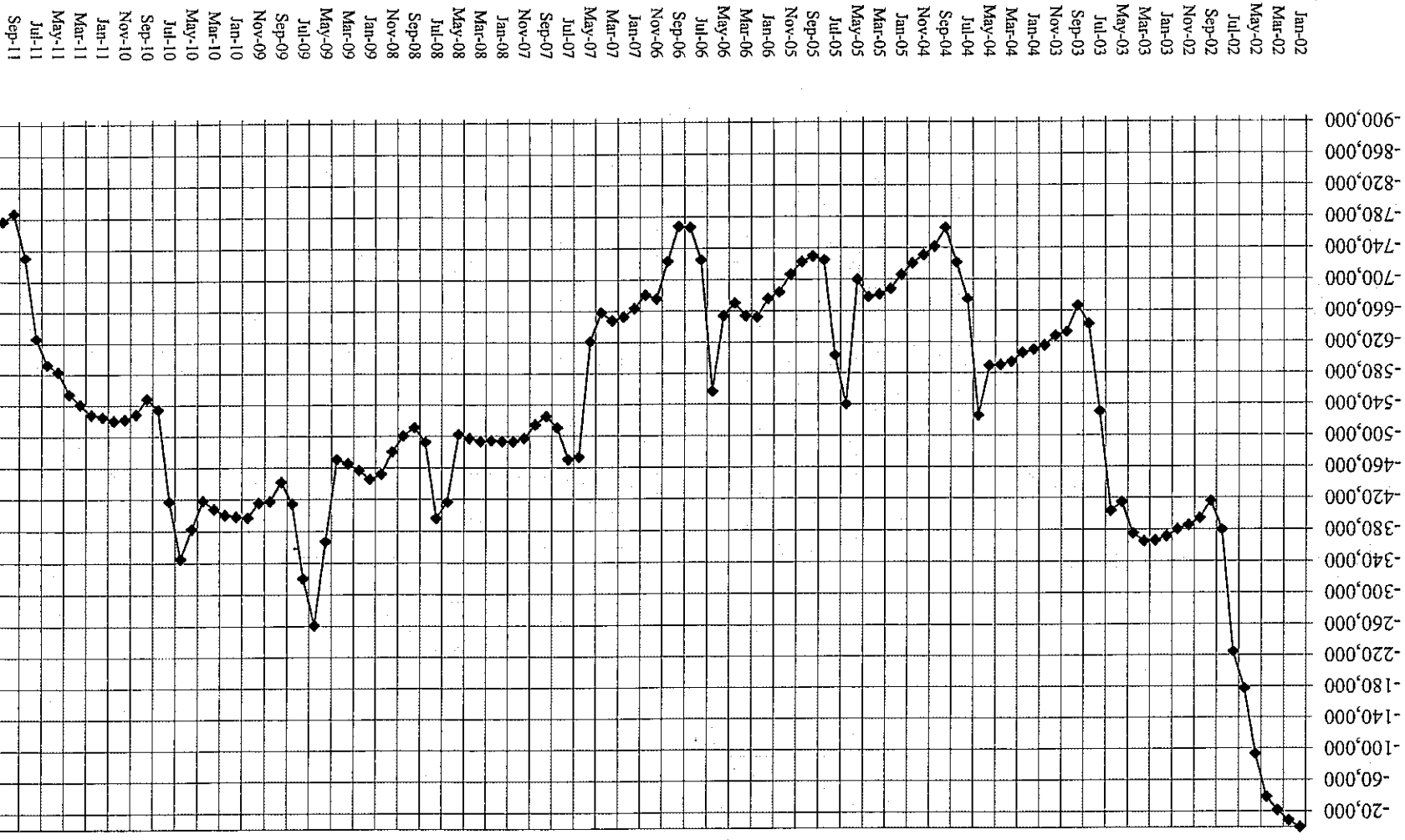
MAP OF THE SAN LUIS VALLEY
Showing
UNCONFINED AQUIFER STORAGE STUDY AREA

by
Davis Engineering Service, Inc.
P.O. Box 1840, 1314 11th Street
Alamosa, Colorado 81101

PRELIMINARY DATA
SUBJECT TO REVIEW

EXPLANATION

Change in unconfined aquifer storage has been calculated for a defined area which is shown on the above map. The changes in aquifer storage were based on approximately 27 RGWCD monitoring wells located within the area. The method of computing the change in aquifer storage was in accordance with the Thiessen mean method whereby a polygon is constructed around each observation well and the assumption is made that the change in water level throughout the area of the polygon is the same as the change in the well within the polygon. A graph showing changes since 1976 is attached. Zero on the vertical axis of the graph was assumed as corresponding to 1976 for graphing purposes; however, it should not be assumed that the unconfined aquifer was at equilibrium as of that date.



ACRE FEET

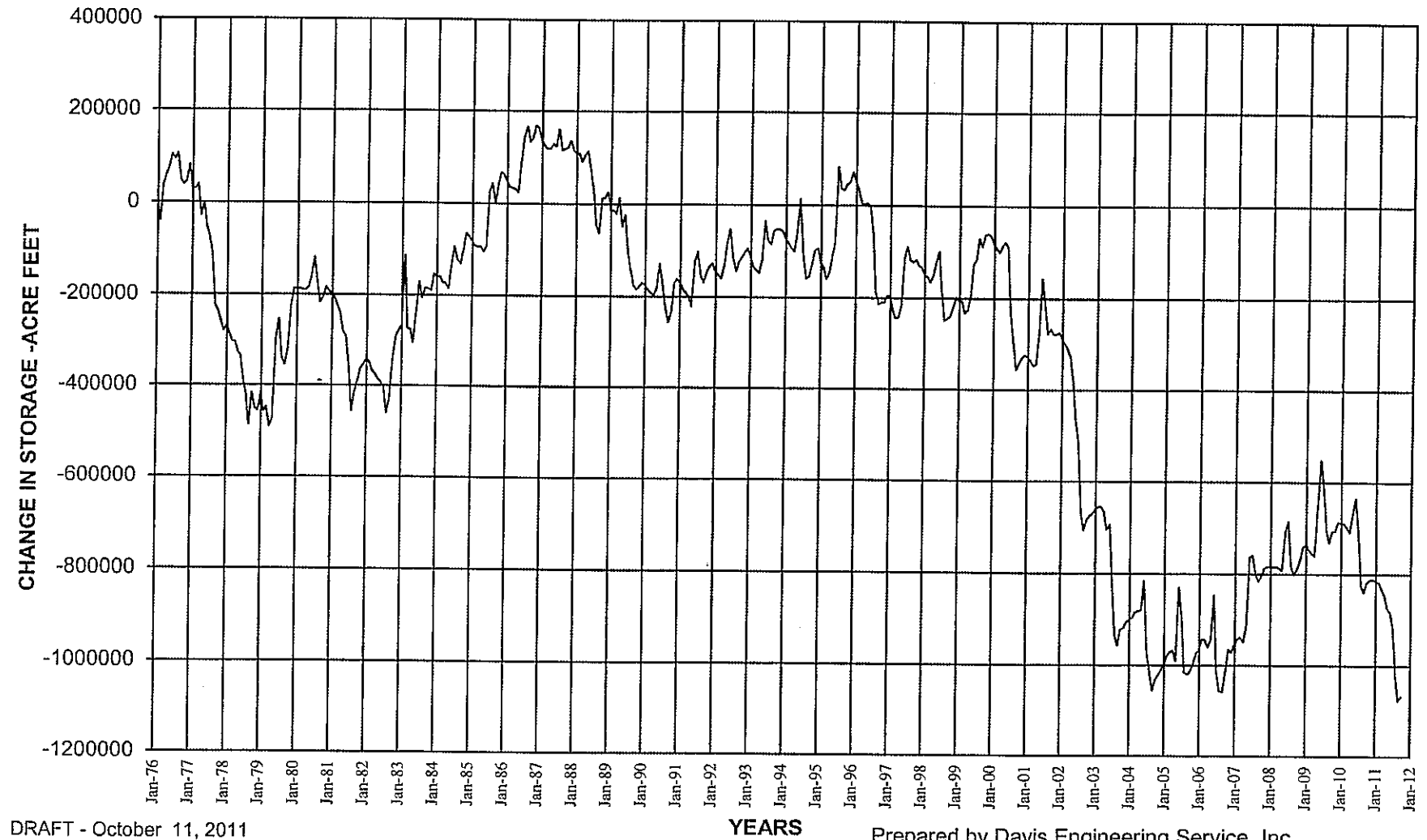
Changes: Comparing
 September of each year
 Year 2002 = -439,816 a.f.
 Year 2003 = -250,214 a.f.
 Year 2004 = -99,285 a.f.
 Year 2005 = +35,612 a.f.
 Year 2006 = -38,228 a.f.
 Year 2007 = +242,380 a.f.

YEAR 2002 - 2011

Changes: Comparing
 September of each year
 Year 2008 = +14,057 a.f.
 Year 2009 = +69,863.52 a.f.
 Year 2010 = -106,745.21 a.f.
 Year 2011 = -238,480 a.f.

CHANGE IN UNCONFINED AQUIFER STORAGE

CHANGE IN UNCONFINED AQUIFER STORAGE WEST CENTRAL SAN LUIS VALLEY



DRAFT - October 11, 2011
Data through October 6, 2011

Prepared by Davis Engineering Service, Inc.
For Rio Grande Water Conservation Dist.

OCT 18, 2011
hardoc +

Bureau of Reclamation Report to the RGWCD October 18, 2011

Maintenance

Routine preventive maintenance and repair activities continue at salvage and observation well sites, canal structures, pumping plants, and shelterbelts.

Repair and replacement of pumps in the Salvage Wells vaults is an ongoing process. All of the salvage well preventive maintenance tasks have been completed.

We have received a loaner well hammer to try to remove built up scale on the salvage well casings and help move the gravel pack. The hammer is very similar to a construction jack hammer but it is not designed as a driver just more of a shocker applying 1500 to 1800 jolts per minute. If this procedure is successful we have the potential of prolonging the life of the well as well as reducing some of our operating expenses.

We have completed 4 of our scheduled 6 re-drills for the 2011 season. We revisited the two wells that we re-drilled for the F & WS. Sand was jettied from the first well (Headquarters well) so that a pump/motor can be installed the week of October 3rd by Central Pump Supply. Their second well (Grant 5) is a 180 foot well with over 100 feet of sand in it. We will revisit that well after we have completed all 6 of our scheduled wells for 2011.

We have received our new 8 ton work over rig which will replace the 6 ton. This will allow us to be more aggressive while cleaning the wells and hopefully improve our well rehabilitation program.

We are in the process of preparing the shelter belts for winter by blowing out the water lines and securing the power to the electrical panels.

Water Laboratory

A total of 78 samples were collected from the Closed Basin Project during the period of July 1, 2011 through September 30, 2011.

Lab personnel assisted Operations, Maintenance and Admin groups on various projects.

Lab personnel assisted the Area Office with various water quality projects/issues.

A representative from PerkinElmer performed a PM/Service visit for the Mass Spectrometer on August 17, 2011.

All laboratory fume hoods were calibrated and certified on September 14th, 2011.

Results for the Fall 2011, USGS Evaluation Program for Standard Reference Water Samples were submitted on September 30, 2011. The Laboratory continues to perform commendably on these audits.

Operations

Today, 88 Salvage Wells are operating producing 24.6 cfs.

Water salvage operations continued at maximum throughout this reporting period for delivery to the Rio Grande Compact.

On May 3rd, CHO2 was closed completely.

On May 19th, CHO1 was closed completely.

On June 22nd, CHO3 was opened to deliver approximately 2 cfs and CHO4 was opened to deliver approximately 4 cfs to the Blanca Wildlife Habitat Area.

On August 27th, CHO3 and CHO4 were closed and mitigation delivery was terminated for Water Year 2011.

On September 15, CHO1 and CHO2 were opened to deliver approximately 4 cfs each to the Alamosa National Wildlife Refuge.

San Luis Lake Pumping Plant was not operated during this reporting period.

San Luis Lake

The apportionment of water in San Luis Lake is as follows:

Total Project water as of September 30, 2011 = 127 AF
Total DOW water as September 30, 2011 = 994 AF

San Luis Lake:	San Luis Lake Elevation	7511.3
	Storage	1,121 acre-feet
	TDS	3855 Mg/L
Deliveries to:	Rio Grande—total	8,305 acre feet
	Alamosa National Wildlife Refuge—total	2,330.6 acre feet
	BLM Wildlife Habitat—total	800.0 acre feet
	San Luis Lake—total	0.0 acre feet
	Total Deliveries as of September 30th	11,435 acre-feet

Other

Reclamation continues to meet with concerned parties; RGWCD, CDOW, State Parks, FWS and BLM, on the operation of San Luis Lake. Next meeting scheduled for October 27, 2011

Parshall Flume - Water Accounting (Preliminary)
September 2011

DATE	Flume Avg. Daily Flow (CFS) (see note 2)	Flume Sodium Percent %	TDS (mg/l)			PARSHAL FLUME				ALAMOSAS N.W.R.				Delivered to RIO GRANDE	
			Daily Value (mg/l)	5 Day AVR. (mg/l)	10 Day AVR. (mg/l)	TOTAL		TOTAL		TOTAL		TOTAL	Credible		
						(AF)	(see note 1)	(AF)	(AF)	(AF)	(AF)				(AF)
1-Sep-11	20	60	280	281	281	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
2-Sep-11	20	60	284	284	281	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
3-Sep-11	20	60	282	283	283	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
4-Sep-11	20	60	282	287	287	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
5-Sep-11	19	60	282	288	283	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
6-Sep-11	20	60	277	287	283	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
7-Sep-11	21	60	279	287	284	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
8-Sep-11	21	60	285	278	276	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
9-Sep-11	22	60	280	280	288	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
10-Sep-11	22	60	280	279	284	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
11-Sep-11	22	60	280	281	281	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
12-Sep-11	22	60	283	281	284	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
13-Sep-11	24	60	280	281	279	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
14-Sep-11	25	60	280	281	280	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
15-Sep-11	24	60	278	278	279	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
16-Sep-11	24	60	280	280	280	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
17-Sep-11	24	60	284	288	285	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
18-Sep-11	24	60	280	288	288	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
19-Sep-11	24	60	280	288	285	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
20-Sep-11	23	60	282	288	285	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
21-Sep-11	22	60	282	282	285	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
22-Sep-11	21	60	309	283	283	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
23-Sep-11	22	60	324	284	282	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
24-Sep-11	21	60	322	296	282	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
25-Sep-11	22	60	311	304	297	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
26-Sep-11	23	60	313	317	317	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
27-Sep-11	23	60	322	322	304	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
28-Sep-11	23	60	329	323	309	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
28-Sep-11	23	60	328	324	314	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
30-Sep-11	23	60	307	321	316	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
Monthly Total	664	60	285	285	285	1,317.0	1,317.0	1,317.0	1,317.0	1,317.0	1,317.0	1,317.0	1,317.0	1,317.0	1,317.0
YTD Total	22.1	60	285	285	285	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0
YTD AVG	19.6	56	304	304	304	449.8	449.8	449.8	449.8	449.8	449.8	449.8	449.8	449.8	449.8

Delivered to RIO GRANDE	Credible	1,078 ac-ft	30 ac-ft/day
TOTAL		8,305 ac-ft	30 ac-ft/day
Monthly Total		1,078 ac-ft	
YTD Total		8,305 ac-ft	
YTD Average			

NOTES: 1. Pursuant to ARTICLE III of the RIO GRANDE COMPACT
2. Sodium sample values carried through until next analysis
LEGEND: CHOI = Constant Head Turnout at Chicago Ditch
 CHO2 = Constant Head Turnout at Murr Ditch
 P.P. = Pumping Plant at Alamosa National Wildlife Refuge

SAN LUIS VALLEY PROJECT - CLOSED BASIN DIVISION

PROJECT WATER DELIVERIES 2011		as of (9/30/11)		LAKE WATER	
(1) RIO GRANDE		YTD		YTD	
COMPACT		8,304.6		0 (AF)	
NON-COMPACT		0		0 (AF)	
	TOTAL =	8,304.6		0 (AF)	
(2) ALAMOSA NATIONAL WILDLIFE REFUGE					
CHO1	CLOSED	1,411.1		0 (AF)	
CHO2	CLOSED	469.7		0 (AF)	
ALAMOSA REFUGE PUMPING PLANT	OFF	449.8		0 (AF)	
	TOTAL =	2,330.6		0 (AF)	
PARSHALL FLUME					
COMPACT		10,635.2		0 (AF)	
NON-COMPACT		0.0		0 (AF)	
	TOTAL =	10,635.2		0 (AF)	
(3) BLM WILDLIFE HABITAT					
CHO3	CLOSED	265.2		0 (AF)	
CHO4	CLOSED	534.8		0 (AF)	
	TOTAL =	800.0		0 (AF)	
TOTAL PROJECT DELIVERY [Sum of (1)+(2)+(3)]		11,435.2		0 (AF)	

LAKE LEVELS 2011		as of (9/30/11)		YTD	
SAN LUIS LAKE ELEVATION	7511.30 FEET	STATUS	INFLOW (AF)	OUTFLOW (AF)	TDS (mg/l)
SAN LUIS LAKE FLUME & CULVERTS			282.6	--	3,855
FEEDER CANAL (From Main Canal)		CLOSED	0.0	--	219
SAN LUIS CREEK			0.0	0	n/a
PUMPING PLANT (To Main Canal)		OFF	0.0	0	n/a
	TOTAL =		282.6	0	
HEAD LAKE ELEVATION FEET					
HEAD LAKE TURNOUT (From Main Canal)		CLOSED	0	--	256
HEAD LAKE FLUME			0	0	n/a
					n/a
BIG SPRING CREEK FLUME			762.0	--	141

10/14/2011

Bureau of Reclamation Report to the RGWCD October 18, 2011

Maintenance

Routine preventive maintenance and repair activities continue at salvage and observation well sites, canal structures, pumping plants, and shelterbelts.

Repair and replacement of pumps in the Salvage Wells vaults is an ongoing process. All of the salvage well preventive maintenance tasks have been completed.

We have received a loaner well hammer to try to remove built up scale on the salvage well casings and help move the gravel pack. The hammer is very similar to a construction jack hammer but it is not designed as a driver just more of a shocker applying 1500 to 1800 jolts per minute. If this procedure is successful we have the potential of prolonging the life of the well as well as reducing some of our operating expenses.

We have completed 4 of our scheduled 6 re-drills for the 2011 season. We revisited the two wells that we re-drilled for the F & WS. Sand was jettied from the first well (Headquarters well) so that a pump/motor can be installed the week of October 3rd by Central Pump Supply. Their second well (Grant 5) is a 180 foot well with over 100 feet of sand in it. We will revisit that well after we have completed all 6 of our scheduled wells for 2011.

We have received our new 8 ton work over rig which will replace the 6 ton. This will allow us to be more aggressive while cleaning the wells and hopefully improve our well rehabilitation program.

We are in the process of preparing the shelter belts for winter by blowing out the water lines and securing the power to the electrical panels.

Water Laboratory

A total of 78 samples were collected from the Closed Basin Project during the period of July 1, 2011 through September 30, 2011.

Lab personnel assisted Operations, Maintenance and Admin groups on various projects.

Lab personnel assisted the Area Office with various water quality projects/issues.

A representative from PerkinElmer performed a PM/Service visit for the Mass Spectrometer on August 17, 2011.

All laboratory fume hoods were calibrated and certified on September 14th, 2011.

Results for the Fall 2011, USGS Evaluation Program for Standard Reference Water Samples were submitted on September 30, 2011. The Laboratory continues to perform commendably on these audits.

Operations

Today, 88 Salvage Wells are operating producing 24.6 cfs.

Water salvage operations continued at maximum throughout this reporting period for delivery to the Rio Grande Compact.

On May 3rd, CHO2 was closed completely.

On May 19th, CHO1 was closed completely.

On June 22nd, CHO3 was opened to deliver approximately 2 cfs and CHO4 was opened to deliver approximately 4 cfs to the Blanca Wildlife Habitat Area.

On August 27th, CHO3 and CHO4 were closed and mitigation delivery was terminated for Water Year 2011.

On September 15, CHO1 and CHO2 were opened to deliver approximately 4 cfs each to the Alamosa National Wildlife Refuge.

San Luis Lake Pumping Plant was not operated during this reporting period.

San Luis Lake

The apportionment of water in San Luis Lake is as follows:

Total Project water as of September 30, 2011 127 AF

Total DOW water as September 30, 2011 = 994 AF

San Luis Lake:	San Luis Lake Elevation	7511.3
	Storage	1,121 acre-feet
	TDS	3855 Mg/L

Deliveries to:	Rio Grande—total	8,305 acre feet
	Alamosa National Wildlife Refuge—total	2,330.6 acre feet
	BLM Wildlife Habitat—total	800.0 acre feet
	San Luis Lake—total	0.0 acre feet
	Total Deliveries as of September 30th	11,435 acre-feet

Other

Reclamation continues to meet with concerned parties; RGWCD, CDOW, State Parks, FWS and BLM, on the operation of San Luis Lake. Next meeting scheduled for October 27, 2011

Parshall Flume - Water Accounting (Preliminary)

September 2011

DATE	Flume Flow (CFS)	Percent Sodium (see note 2) %	TDS (mg/l)				Delivered to RIO GRANDE
			Daily Value (mg/l)	5 Day Avg. (mg/l)	10 Day Avg. (mg/l)	TOTAL (AF)	

DATE	Flume Flow (CFS)	Percent Sodium (see note 2) %	TDS (mg/l)				Delivered to RIO GRANDE
			Daily Value (mg/l)	5 Day Avg. (mg/l)	10 Day Avg. (mg/l)	TOTAL (AF)	
1-Sep-11	20	60	280	281	275	39.7	39.7
2-Sep-11	20	60	334	294	281	39.7	39.7
3-Sep-11	20	60	262	293	281	39.7	39.7
4-Sep-11	20	60	262	296	283	39.7	39.7
5-Sep-11	19	60	262	296	283	39.7	39.7
6-Sep-11	20	60	277	287	283	37.7	39.7
7-Sep-11	21	60	279	287	284	37.7	37.7
8-Sep-11	21	60	278	276	285	39.7	39.7
9-Sep-11	22	60	280	280	288	41.7	41.7
10-Sep-11	22	60	279	280	284	43.6	43.6
11-Sep-11	22	60	281	281	284	43.6	43.6
12-Sep-11	22	60	283	282	279	43.6	43.6
13-Sep-11	24	60	280	281	280	43.6	43.6
14-Sep-11	25	60	275	280	280	47.6	43.6
15-Sep-11	24	60	278	279	280	49.6	47.6
16-Sep-11	24	60	278	279	284	47.6	49.6
17-Sep-11	24	60	325	288	284	47.6	49.6
18-Sep-11	24	60	284	288	285	47.6	47.6
19-Sep-11	24	60	280	288	285	47.6	47.6
20-Sep-11	23	60	280	289	285	47.6	47.6
21-Sep-11	22	60	282	290	285	45.6	45.6
22-Sep-11	21	60	283	282	285	43.6	43.6
23-Sep-11	22	60	309	287	288	41.7	41.7
24-Sep-11	21	60	324	296	292	43.6	43.6
25-Sep-11	22	60	319	311	301	41.7	41.7
26-Sep-11	23	60	313	317	300	43.6	43.6
27-Sep-11	23	60	332	322	304	45.6	45.6
28-Sep-11	23	60	329	323	309	45.6	45.6
29-Sep-11	23	60	326	324	314	45.6	45.6
30-Sep-11	23	60	307	321	316	45.6	45.6
Monthly Total	664	60	295	1,317.0	1,317.0	1,317.0	1,317.0
YTD Total	19.6	56	304	10,635.2	10,635.2	1,411.1	449.8
YTD AVG							
Monthly Total							
YTD Total							
YTD Average							

Delivered to RIO GRANDE	TOTAL	1,078 ac-ft	8,305 ac-ft	30 ac-ft/day
Monthly Total	Creditable	1,078 ac-ft	8,305 ac-ft	30 ac-ft/day
YTD Total				
YTD Average				

NOTES: 1. Pursuant to ARTICLE III, of the RIO GRANDE COMPACT
2. Sodium sample values carried through until next analysis

LEGEND: CHO1 = Constant Head Turnout at Chicago Ditch
CHO2 = Constant Head Turnout at Mum Ditch
P.P. = Pumping Plant at Alamosa National Wildlife Refuge

SAN LUIS VALLEY PROJECT - CLOSED BASIN DIVISION

PROJECT WATER DELIVERIES 2011 as of (9/30/11) **YTD** **LAKE WATER**

(1) RIO GRANDE					
COMPACT		8,304.6		0 (AF)	
NON-COMPACT		0		0 (AF)	
TOTAL =		8,304.6		0 (AF)	
(2) ALAMOSA NATIONAL WILDLIFE REFUGE					
CHO1	CLOSED	1,411.1		0 (AF)	
CHO2	CLOSED	469.7		0 (AF)	
ALAMOSA REFUGE PUMPING PLANT	OFF	449.8		0 (AF)	
TOTAL =		2,330.6		0 (AF)	
PARSHALL FLUME					
COMPACT		10,635.2		0 (AF)	
NON-COMPACT		0.0		0 (AF)	
TOTAL =		10,635.2		0 (AF)	
(3) BLM WILDLIFE HABITAT					
CHO3	CLOSED	265.2		0 (AF)	
CHO4	CLOSED	534.8		0 (AF)	
TOTAL =		800.0		0 (AF)	
TOTAL PROJECT DELIVERY [Sum of (1)+(2)+(3)]		11,435.2		0 (AF)	

LAKE LEVELS 2011				YTD		
		as of (9/30/11)				
SAN LUIS LAKE	ELEVATION	7511.30 FEET	STATUS	INFLOW (AF)	OUTFLOW (AF)	TDS (mg/l)
SAN LUIS LAKE FLUME & CULVERTS		282.6	CLOSED	---	---	3,855
FEEDER CANAL (From Main Canal)		0.0	CLOSED	---	---	219
SAN LUIS CREEK		0.0	OFF	0	0	n/a
PUMPING PLANT (To Main Canal)		0.0	OFF	0	0	n/a
TOTAL =		282.6		0	0	
HEAD LAKE		ELEVATION	FEET			256
HEAD LAKE TURNOUT (From Main Canal)			CLOSED	0	---	n/a
HEAD LAKE FLUME			CLOSED	0	0	n/a
BIG SPRING CREEK FLUME				762.0	---	141

10/14/2011

