



MEMORANDUM

TO: San Luis Valley Notification List

FROM: DWR Modeling and Decision Support System Team
Office of the Colorado State Engineer

DATE: July 1, 2024

SUBJECT: Composite Water Head for Confined Aquifer Response Areas in Division 3:
July 2024 Requirement of Division 3 Groundwater Rules Section 8.1.4

This memorandum is submitted to comply with Section 8.1.4 of the Division 3 Groundwater Rules which states that:

No later than July 1 of each year after 2015, the State Engineer must update the Composite Water Head for each of the Response Areas subject to this Rule 8.1 for the areas depicted in Exhibit C to reflect the most recent annual water level measurements collected during February and March (outside of the Irrigation Season) and display the update in graph form.

Water levels were collected by the Rio Grande Water Conservation District (RGWCD), the US Geological Survey (USGS), and the Colorado Division of Water Resources (DWR) during the non-irrigation season from monitoring network wells identified by DWR¹. Monitoring network wells are listed in Table 1.

The water level data from the monitoring wells are briefly discussed in the following section. Monitoring well data and composite water head calculations are summarized in Table 2. As detailed in a memo describing the monitoring plan², composite water head is calculated as a change in water level from the 2015-year baseline. The annual composite water head for each of the confined aquifer response areas through the current year 2024 is shown in Table 3 and Figure 1.

¹ Kelley Thompson (DWR Modeling/DSS), May 6, 2015, "Ground Water Sustainability Rules for Water Division 3: Identification of Proposed Monitoring Network Wells", Memorandum to Dick Wolfe (Colorado State Engineer/DWR Director) and Mike Sullivan (DWR Deputy State Engineer)

² Kelley Thompson and Mary Halstead (DWR Modeling/DSS), May 6, 2015, "Ground Water Sustainability Rules for Water Division 3: Confined Aquifer Monitoring Plan", Memorandum to Dick Wolfe (Colorado State Engineer/DWR Director) and Mike Sullivan (DWR Deputy State Engineer)



Discussion of Monitoring Well Data

Per the Division 3 Groundwater Rules, the minimum depth to water (maximum water level) in the months of February and March is used to establish the annual water level measurement for each well. However, if reliable data are not available for the well in February or March, the minimum depth to water from November of the prior year through May is used (if available).

Water level measurement data from BACA DW-4 and DW-5 wells in the San Luis Creek Response Area were initially erratic and excluded from initial composite water head estimates. However, historical data from BACA wells DW-1, DW-3, DW-4, and DW-5 beginning in 2015 were later revised by the USGS which stabilized water level patterns in those wells. Therefore, in 2024, historical composite water head estimates were recalculated using the revised data and revised May 2015 baselines. In the 2019 through 2022 period, DW well water level data in the RGWCD database include different estimates on the same day from the USGS and the RGWCD. Per a recommendation from RGWCD representatives, the RGWCD data for the DW wells were used in this period when data were available from both sources to recalculate the composite water heads. Historical annual water level measurements for several other wells were also revised in 2024 given data revisions and the methodologies described above.

2015 Baseline Water Levels

Most 2015 measurements were taken in February and March. Water levels from BACA wells DW-4 and DW-5 were measured by the USGS in May (the unrevised 2014 data remain bad), and two other wells were measured by the USGS in January. Transducer issues limited measurement from Well RGDSS P03 until April, and a graph of the well data suggests the April data is not representative of maximum water levels in the non-irrigation season. The well is located very close to well CON2, and the minimum depth to water in CON2 was nearly identical between 2014 and 2015. Therefore, the baseline water level in RGDSS P03 for use in the composite water head was assumed equal to the maximum non-irrigation season water level in 2014.

Annual Water Levels

Most water level measurements used to establish annual well levels for the composite water head estimate have been taken in February and March. In a few cases, wells were measured in January rather than February or March, or measurement data were determined to be bad which necessitated using data from November of the previous year through May.

Good water level measurements in November through May have not been available for several years for several wells that are considered in the composite water head estimate. In 2024, the composite water head for years with missing well data was recalculated such that the change in head from baseline for the missing wells is assumed to be the same as the composite water head for the remaining wells. Wells that have had missing data are shown in Table 4.



Table 1. Monitoring Network Wells

RA	Name	Model UID	USGS Alias	WDID	Permit	Measured	UTMX	UTMY
Alamosa La Jara	ALA 4	372550105455001	NA03701122CCC1 ALA 4	2006000	6420R	RGWCD	432310	4142957
	ALA 6	372403106000901	NA03700933CCC1 ALA 6	2011058	809R	RGWCD	411281	4139810
	ALA 7	372403106000902	NA03700933CCC2 ALA 7	2011057	810R	RGWCD	411280	4139804
	ALA 8	372506106004201	NA03700929DCB ALA 8			RGWCD	410473	4141775
	ALA 10	373457106003801	NA03900932BCC ALA 10	2010420	6265F	RGWCD	409873	4159849
	ALA 12	372950105580801	NA03800934ADB ALA 12			RGWCD	414304	4150475
	CON 1	371705106021501	NA03500907CCC CON 1	2105055	10543R	RGWCD	407980	4126964
	CON 2	371745105501001	NA03501012BBC CON 2	2205111	20111R	RGWCD	425788	4127870
	RIO 2	373227106030301	NA03800813BDB RIO 2	2014378	15095F	RGWCD	407166	4155390
	6192R	373405106112501	NA03800703ABB	2008878	6192R	USGS	394594	4159277
	P03	RGDSSP03	RGDSSP03		223816	RGWCD	424125	4126845
	P08	RGDSSP08	RGDSSP08		228923	RGWCD	411365	4139762
	P09	RGDSSP09	RGDSSP09		231269	RGWCD	398634	4147181
	P10	RGDSSP10	RGDSSP10		229397	RGWCD	398416	4159268
	4865F	372046106021901		2010441	4865F	DWR	408015	4133773
Conejos	CON 2	371745105501001	NA03501012BBC CON 2	2205111	20111R	RGWCD	425788	4127870
	P03	RGDSSP03	RGDSSP03		223816	RGWCD	424125	4126845
	P07	RGDSSP07	RGDSSP07		228924	RGWCD	415943	4118608
	P12	RGDSSP12	RGDSSP12		229399	RGWCD	412608	4101681
	20WCB	371118105543501		2205126	20WCB	DWR	419255	4116148
	6747F	370324105561201	NA03300936DBB	2205062	6747F	DWR	416666	4101583
	24316F	370446105582701		2205978	24316F	DWR	413400	4104118
	22258F	371108106005101		2205018	22258F	DWR	409973	4115953
	3416F	371030105585001	NA03400922BCC	2205074	3416F	DWR	412817	4114667
	296046	370843106021001			296046	DWR	408005	4111476
Saguache	SAG 2	375310106021501	NA04200907CCC SAG 2	2706027	11218F	RGWCD	408831	4193716
	SAG 3	380045106044501	NA04300803ABB SAG 3	2605001	12859R	RGWCD	405341	4207897
	SAG 9	375255106084401	NA04200818CCB SAG 9			RGWCD	399209	4193336
	SAG 10	375310106050001	NA04200815ACC SAG 10	2705295	4589F	RGWCD	404915	4193766
	SAG 12	380047106024801	NA04300801BBA SAG 12			RGWCD	408070	4207781
	SAG 13	375820106052001	NA04300815CBB SAG 13	2605614	9541F	RGWCD	404390	4203427
	SAG 18	375918106063601	NA04300808ADC SAG 18			RGWCD	402528	4205102
	P01	RGDSSP01	RGDSSP01		223817	RGWCD	407731	4207973
	RG05	380537106004801	NA04400906DAA RG05	2605422	11030F	DWR	411096	4216705
	19513Z	SAG18		2605042	19513Z	DWR	400613	4211376
San Luis Creek	RG02	380941105545501	RG02			RGWCD	419670	4223904
	RG03	380601105505201	RG03			RGWCD	425620	4217242
	11010F	380855105553501	NA04500913DCA	2505083	11010F	USGS	419056	4222618
	1725R	380640105510001	NA04501034DAA	2505400	1725R	USGS	425706	4218035
	P14	RGDSSP14	RGDSSP14		231876	RGWCD	421705	4206978
	DW-1	375842105473701	BACA DW-1			USGS	430319	4203720
	DW-3	375828105432501	BACA DW-3		195248	USGS	436459	4203233
	DW-4	375428105472501	BACA DW-4			USGS	430536	4195889
	DW-5	375507105505901	BACA DW-5			USGS	425306	4197138
	2760FR	380652105552101		2505260	2760FR	DWR	419163	4218954



Table 2a. 2015 Monitoring Well Data Summary and Composite Water Head Calculations

RA	Name	Model UID	Thiessen Weight (a)	2015 DTW Baseline (ft) (b)	2015 DTW (ft) (c)	2015 DTW Date (d)	2015 ΔDTW (ft) (e)	2015 ΔDTW Weighted (f)
Alamosa La Jara	ALA 4	372550105455001	16.888%	-35.39	-35.39	3/9/2015	0.00	0.00
	ALA 6	372403106000901	2.410%	-10.75	-10.75	3/19/2015	0.00	0.00
	ALA 7	372403106000902	2.410%	-10.13	-10.13	3/18/2015	0.00	0.00
	ALA 8	372506106004201	5.461%	-15.02	-15.02	3/19/2015	0.00	0.00
	ALA 10	373457106003801	2.817%	-17.81	-17.81	3/17/2015	0.00	0.00
	ALA 12	372950105580801	14.208%	-4.18	-4.18	3/26/2015	0.00	0.00
	CON 1	371705106021501	9.582%	53.73	53.73	3/18/2015	0.00	0.00
	CON 2	371745105501001	5.730%	-15.64	-15.64	3/24/2015	0.00	0.00
	RIO 2	373227106030301	5.567%	-0.97	-0.97	3/24/2015	0.00	0.00
	6192R	373405106112501	3.516%	52.48	52.48	1/22/2015	0.00	0.00
	P03	RGDSSP03	2.909%	-7.77	-7.77	3/31/2015	0.00	0.00
	P08	RGDSSP08	2.410%	-13.37	-13.37	3/31/2015	0.00	0.00
	P09	RGDSSP09	10.619%	37.54	37.54	2/10/2015	0.00	0.00
	P10	RGDSSP10	4.690%	19.39	19.39	2/10/2015	0.00	0.00
	4865F	372046106021901	10.783%	32.47	32.47	2/27/2015	0.00	0.00
Conejos	CON 2	371745105501001	8.700%	-15.64	-15.64	3/24/2015	0.00	0.00
	P03	RGDSSP03	8.233%	-7.77	-7.77	2/13/2014	0.00	0.00
	P07	RGDSSP07	10.749%	0.53	0.53	3/3/2015	0.00	0.00
	P12	RGDSSP12	16.939%	166.04	166.04	3/3/2015	0.00	0.00
	20WCB	371118105543501	10.968%	4.00	4.00	2/27/2015	0.00	0.00
	6747F	370324105561201	10.371%	100.42	100.42	2/27/2015	0.00	0.00
	24316F	370446105582701	9.104%	144.61	144.61	2/27/2015	0.00	0.00
	22258F	371108106005101	6.886%	61.37	61.37	2/27/2015	0.00	0.00
	3416F	371030105585001	6.804%	63.26	63.26	2/27/2015	0.00	0.00
	296046	370843106021001	11.246%	160.91	160.91	3/29/2015	0.00	0.00
Saguache	SAG 2	375310106021501	17.494%	-39.14	-39.14	3/26/2015	0.00	0.00
	SAG 3	380045106044501	3.607%	5.95	5.95	3/30/2015	0.00	0.00
	SAG 9	375255106084401	11.398%	-4.25	-4.25	3/30/2015	0.00	0.00
	SAG 10	375310106050001	8.230%	-28.93	-28.93	3/25/2015	0.00	0.00
	SAG 12	380047106024801	14.626%	-7.04	-7.04	3/30/2015	0.00	0.00
	SAG 13	375820106052001	8.507%	-11.98	-11.98	3/25/2015	0.00	0.00
	SAG 18	375918106063601	9.324%	3.34	3.34	3/30/2015	0.00	0.00
	P01	RGDSSP01	2.518%	-1.31	-1.31	3/28/2015	0.00	0.00
	RG05	380537106004801	14.135%	46.37	46.37	3/3/2015	0.00	0.00
	19513Z	SAG18	10.160%	58.08	58.08	3/3/2015	0.00	0.00
San Luis Creek	RG02	380941105545501	13.117%	65.28	65.28	3/4/2015	0.00	0.00
	RG03	380601105505201	9.758%	29.10	29.10	3/4/2015	0.00	0.00
	11010F	380855105553501	3.261%	65.20	65.20	1/20/2015	0.00	0.00
	1725R	380640105510001	7.611%	55.59	55.59	2/17/2015	0.00	0.00
	P14	RGDSSP14	14.205%	-32.87	-32.87	3/31/2015	0.00	0.00
	DW-1	375842105473701	11.410%	-37.46	-37.46	2/10/2015	0.00	0.00
	DW-3	375828105432501	17.029%	24.41	24.41	2/10/2015	0.00	0.00
	DW-4	375428105472501	9.348%	-37.88	-37.88	5/27/2015	0.00	0.00
	DW-5	375507105505901	5.497%	-72.43	-72.43	5/27/2015	0.00	0.00
	2760FR	380652105552101	8.765%	28.21	28.21	3/3/2015	0.00	0.00



Table 2b. 2016 Monitoring Well Data Summary and Composite Water Head Calculations

RA	Name	Model UID	Thiessen Weight (a)	2015 DTW Baseline (ft) (b)	2016 DTW (ft) (c)	2016 Date (d)	2016 ΔDTW (ft) (e)	2016 ΔDTW Weighted (f)
Alamosa La Jara	ALA 4	372550105455001	16.888%	-35.39	-39.09	3/14/2016	3.70	0.62
	ALA 6	372403106000901	2.410%	-10.75	-11.64	3/16/2016	0.89	0.02
	ALA 7	372403106000902	2.410%	-10.13	-11.35	3/16/2016	1.22	0.03
	ALA 8	372506106004201	5.461%	-15.02	-15.97	3/16/2016	0.95	0.05
	ALA 10	373457106003801	2.817%	-17.81	-19.38	2/18/2016	1.57	0.04
	ALA 12	372950105580801	14.208%	-4.18	-4.61	3/24/2016	0.43	0.06
	CON 1	371705106021501	9.582%	53.73	53.05	3/31/2016	0.68	0.07
	CON 2	371745105501001	5.730%	-15.64	-16.13	3/23/2016	0.49	0.03
	RIO 2	373227106030301	5.567%	-0.97	-3.21	3/24/2016	2.24	0.12
	6192R	373405106112501	3.516%	52.48	53.90	1/27/2016	-1.42	-0.05
	P03	RGDSSP03	2.909%	-7.77	-8.39	3/30/2016	0.62	0.02
	P08	RGDSSP08	2.410%	-13.37	-14.33	3/29/2016	0.96	0.02
	P09	RGDSSP09	10.619%	37.54	35.72	2/24/2016	1.82	0.19
	P10	RGDSSP10	4.690%	19.39	17.86	2/24/2016	1.53	0.07
	4865F	372046106021901	10.783%	32.47	30.83	3/8/2016	1.64	0.18
Conejos	CON 2	371745105501001	8.700%	-15.64	-16.13	3/23/2016	0.49	0.04
	P03	RGDSSP03	8.233%	-7.77	-8.39	3/30/2016	0.62	0.05
	P07	RGDSSP07	10.749%	0.53	0.39	2/22/2016	0.14	0.02
	P12	RGDSSP12	16.939%	166.04	166.48	3/8/2016	-0.44	-0.07
	20WCB	371118105543501	10.968%	4.00	3.48	3/7/2016	0.52	0.06
	6747F	370324105561201	10.371%	100.42	101.14	3/10/2016	-0.72	-0.07
	24316F	370446105582701	9.104%	144.61	145.34	3/10/2016	-0.73	-0.07
	22258F	371108106005101	6.886%	61.37	63.44	3/7/2016	-2.07	-0.14
	3416F	371030105585001	6.804%	63.26	62.23	3/7/2016	1.04	0.07
	296046	370843106021001	11.246%	160.91	160.81	3/8/2016	0.10	0.01
Saguache	SAG 2	375310106021501	17.494%	-39.14	-41.52	3/29/2016	2.38	0.42
	SAG 3	380045106044501	3.607%	5.95	4.23	3/31/2016	1.72	0.06
	SAG 9	375255106084401	11.398%	-4.25	-8.71	3/30/2016	4.46	0.51
	SAG 10	375310106050001	8.230%	-28.93	-31.62	3/30/2016	2.69	0.22
	SAG 12	380047106024801	14.626%	-7.04	-8.27	3/29/2016	1.23	0.18
	SAG 13	375820106052001	8.507%	-11.98	-13.43	3/29/2016	1.45	0.12
	SAG 18	375918106063601	9.324%	3.34	1.55	3/31/2016	1.79	0.17
	P01	RGDSSP01	2.518%	-1.31	-2.38	3/29/2016	1.07	0.03
	RG05	380537106004801	14.135%	46.37	44.07	3/8/2016	2.30	0.33
	19513Z	SAG18	10.160%	58.08	54.17	3/8/2016	3.91	0.40
San Luis Creek	RG02	380941105545501	13.117%	65.28	62.18	3/8/2016	3.10	0.41
	RG03	380601105505201	9.758%	29.10	26.74	3/8/2016	2.36	0.23
	11010F	380855105553501	3.261%	65.20	53.22	1/26/2016	11.98	0.39
	1725R	380640105510001	7.611%	55.59	51.64	1/26/2016	3.95	0.30
	P14	RGDSSP14	14.205%	-32.87	-35.43	3/29/2016	2.56	0.36
	DW-1	375842105473701	11.410%	-37.46	-40.80	2/10/2016	3.34	0.38
	DW-3	375828105432501	17.029%	24.41	23.86	2/10/2016	0.55	0.09
	DW-4	375428105472501	9.348%	-37.88	-34.80	12/8/2015	-3.08	-0.29
	DW-5	375507105505901	5.497%	-72.43	-71.27	2/10/2016	-1.16	-0.06
	2760FR	380652105552101	8.765%	28.21	26.19	3/8/2016	2.02	0.18



Table 2c. 2017 Monitoring Well Data Summary and Composite Water Head Calculations

RA	Name	Model UID	Thiessen Weight (a)	2015 DTW Baseline (ft) (b)	2017 DTW (ft) (c)	2017 Date (d)	2017 ΔDTW (ft) (e)	2017 ΔDTW Weighted (f)
Alamosa La Jara	ALA 4	372550105455001	16.888%	-35.39	-38.29	3/5/2017	2.90	0.49
	ALA 6	372403106000901	2.410%	-10.75	-11.33	3/9/2017	0.58	0.01
	ALA 7	372403106000902	2.410%	-10.13	-10.80	3/9/2017	0.67	0.02
	ALA 8	372506106004201	5.461%	-15.02	-15.72	3/10/2017	0.70	0.04
	ALA 10	373457106003801	2.817%	-17.81	-18.52	3/13/2017	0.71	0.02
	ALA 12	372950105580801	14.208%	-4.18	-9.98	2/22/2017	5.80	0.82
	CON 1	371705106021501	9.582%	53.73	52.21	3/9/2017	1.52	0.15
	CON 2	371745105501001	5.730%	-15.64	-16.03	3/9/2017	0.39	0.02
	RIO 2	373227106030301	5.567%	-0.97	-3.52	2/14/2017	2.55	0.14
	6192R	373405106112501	3.516%	52.48	51.87	2/1/2017	0.61	0.02
	P03	RGDSSP03	2.909%	-7.77	-10.07	3/31/2017	2.30	0.07
	P08	RGDSSP08	2.410%	-13.37	-14.83	3/31/2017	1.46	0.04
	P09	RGDSSP09	10.619%	37.54	36.41	2/13/2017	1.13	0.12
	P10	RGDSSP10	4.690%	19.39	16.76	2/1/2017	2.63	0.12
	4865F	372046106021901	10.783%	32.47	30.35	3/20/2017	2.12	0.23
Conejos	CON 2	371745105501001	8.700%	-15.64	-16.03	3/9/2017	0.39	0.03
	P03	RGDSSP03	8.233%	-7.77	-10.07	3/31/2017	2.30	0.19
	P07	RGDSSP07	10.749%	0.53	-0.08	3/31/2017	0.61	0.07
	P12	RGDSSP12	16.939%	166.04	166.53	2/27/2017	-0.49	-0.08
	20WCB	371118105543501	10.968%	4.00	3.41	3/20/2017	0.59	0.06
	6747F	370324105561201	10.371%	100.42	101.23	3/13/2017	-0.81	-0.08
	24316F	370446105582701	9.104%	144.61	145.38	3/13/2017	-0.77	-0.07
	22258F	371108106005101	6.886%	61.37	60.35	3/20/2017	1.02	0.07
	3416F	371030105585001	6.804%	63.26	62.34	3/13/2017	0.93	0.06
	296046	370843106021001	11.246%	160.91	160.90	3/20/2017	0.01	0.00
Saguache	SAG 2	375310106021501	17.494%	-39.14	-42.44	3/14/2017	3.30	0.58
	SAG 3	380045106044501	3.607%	5.95	3.21	3/15/2017	2.74	0.10
	SAG 9	375255106084401	11.398%	-4.25	-7.28	3/15/2017	3.03	0.35
	SAG 10	375310106050001	8.230%	-28.93	-32.79	3/14/2017	3.86	0.32
	SAG 12	380047106024801	14.626%	-7.04	-8.68	3/15/2017	1.64	0.24
	SAG 13	375820106052001	8.507%	-11.98	-14.39	2/22/2017	2.41	0.21
	SAG 18	375918106063601	9.324%	3.34	3.35	5/26/2017	-0.01	0.00
	P01	RGDSSP01	2.518%	-1.31	-3.65	3/31/2017	2.34	0.06
	RG05	380537106004801	14.135%	46.37	43.04	3/14/2017	3.33	0.47
	19513Z	SAG18	10.160%	58.08	52.17	3/14/2017	5.91	0.60
San Luis Creek	RG02	380941105545501	13.117%	65.28	60.49	3/6/2017	4.79	0.63
	RG03	380601105505201	9.758%	29.10	25.63	3/6/2017	3.47	0.34
	11010F	380855105553501	3.261%	65.20	53.20	1/30/2017	12.00	0.39
	1725R	380640105510001	7.611%	55.59	49.98	1/30/2017	5.61	0.43
	P14	RGDSSP14	14.205%	-32.87	-35.92	3/31/2017	3.05	0.43
	DW-1	375842105473701	11.410%	-37.46	-41.38	2/28/2017	3.92	0.45
	DW-3	375828105432501	17.029%	24.41	23.15	2/28/2017	1.26	0.21
	DW-4	375428105472501	9.348%	-37.88	-37.11	2/27/2017	-0.77	-0.07
	DW-5	375507105505901	5.497%	-72.43	-73.32	2/1/2017	0.89	0.05
	2760FR	380652105552101	8.765%	28.21	25.33	3/14/2017	2.88	0.25



Table 2d. 2018 Monitoring Well Data Summary and Composite Water Head Calculations

RA	Name	Model UID	Thiessen Weight (a)	2015 DTW Baseline (ft) (b)	2018 DTW (ft) (c)	2018 Date (d)	2018 ΔDTW (ft) (e)	2018 ΔDTW Weighted (f)
Alamosa La Jara	ALA 4	372550105455001	16.888%	-35.39	-38.10	2/12/2018	2.71	0.46
	ALA 6	372403106000901	2.410%	-10.75	-11.96	3/8/2018	1.21	0.03
	ALA 7	372403106000902	2.410%	-10.13	-11.38	2/5/2018	1.25	0.03
	ALA 8	372506106004201	5.461%	-15.02	-15.89	3/20/2018	0.87	0.05
	ALA 10	373457106003801	2.817%	-17.81	-20.05	3/15/2018	2.24	0.06
	ALA 12	372950105580801	14.208%	-4.18	-7.67	2/7/2018	3.49	0.50
	CON 1	371705106021501	9.582%	53.73	49.21	3/4/2018	4.52	0.43
	CON 2	371745105501001	5.730%	-15.64	-15.16	3/8/2018	-0.48	-0.03
	RIO 2	373227106030301	5.567%	-0.97	-4.90	3/15/2018	3.93	0.22
	6192R	373405106112501	3.516%	52.48				
	P03	RGDSSP03	2.909%	-7.77	-10.61	3/10/2018	2.84	0.08
	P08	RGDSSP08	2.410%	-13.37	-16.51	3/31/2018	3.14	0.08
	P09	RGDSSP09	10.619%	37.54	33.15	2/1/2018	4.39	0.47
	P10	RGDSSP10	4.690%	19.39	14.20	2/2/2018	5.19	0.24
	4865F	372046106021901	10.783%	32.47	27.62	3/12/2018	4.85	0.52
Conejos	CON 2	371745105501001	8.700%	-15.64	-15.16	3/8/2018	-0.48	-0.04
	P03	RGDSSP03	8.233%	-7.77	-10.61	3/10/2018	2.84	0.23
	P07	RGDSSP07	10.749%	0.53	-1.87	2/19/2018	2.40	0.26
	P12	RGDSSP12	16.939%	166.04	165.44	2/6/2018	0.60	0.10
	20WCB	371118105543501	10.968%	4.00	1.83	3/12/2018	2.17	0.24
	6747F	370324105561201	10.371%	100.42	99.40	3/12/2018	1.02	0.11
	24316F	370446105582701	9.104%	144.61	142.96	3/12/2018	1.65	0.15
	22258F	371108106005101	6.886%	61.37	56.55	3/12/2018	4.82	0.33
	3416F	371030105585001	6.804%	63.26	63.04	3/12/2018	0.22	0.02
	296046	370843106021001	11.246%	160.91	158.91	3/12/2018	2.00	0.22
Saguache	SAG 2	375310106021501	17.494%	-39.14	-41.88	2/20/2018	2.74	0.48
	SAG 3	380045106044501	3.607%	5.95	1.57	3/12/2018	4.38	0.16
	SAG 9	375255106084401	11.398%	-4.25	-7.98	3/12/2018	3.73	0.43
	SAG 10	375310106050001	8.230%	-28.93	-30.29	2/13/2018	1.36	0.11
	SAG 12	380047106024801	14.626%	-7.04	-9.65	3/12/2018	2.61	0.38
	SAG 13	375820106052001	8.507%	-11.98	-13.25	2/13/2018	1.27	0.11
	SAG 18	375918106063601	9.324%	3.34	0.84	11/18/2017	2.50	0.23
	P01	RGDSSP01	2.518%	-1.31	-5.22	3/26/2018	3.91	0.10
	RG05	380537106004801	14.135%	46.37	42.73	3/12/2018	3.64	0.51
	19513Z	SAG18	10.160%	58.08	52.57	3/12/2018	5.51	0.56
San Luis Creek	RG02	380941105545501	13.117%	65.28	59.69	3/6/2018	5.59	0.73
	RG03	380601105505201	9.758%	29.10	25.16	3/3/2018	3.94	0.38
	11010F	380855105553501	3.261%	65.20	51.90	2/2/2018	13.30	0.43
	1725R	380640105510001	7.611%	55.59	49.22	2/2/2018	6.37	0.48
	P14	RGDSSP14	14.205%	-32.87	-37.81	3/31/2018	4.94	0.70
	DW-1	375842105473701	11.410%	-37.46	-42.18	2/27/2018	4.72	0.54
	DW-3	375828105432501	17.029%	24.41	22.43	2/27/2018	1.98	0.34
	DW-4	375428105472501	9.348%	-37.88	-51.75	2/26/2018	13.87	1.30
	DW-5	375507105505901	5.497%	-72.43	-74.24	2/26/2018	1.81	0.10
	2760FR	380652105552101	8.765%	28.21	25.29	3/14/2018	2.92	0.26



Table 2e. 2019 Monitoring Well Data Summary and Composite Water Head Calculations

RA	Name	Model UID	Thiessen Weight (a)	2015 DTW Baseline (ft) (b)	2019 DTW (ft) (c)	2019 Date (d)	2019 ΔDTW (ft) (e)	2019 ΔDTW Weighted (f)
Alamosa La Jara	ALA 4	372550105455001	16.888%	-35.39	-37.55	3/14/2019	2.16	0.36
	ALA 6	372403106000901	2.410%	-10.75	-9.43	2/13/2019	-1.32	-0.03
	ALA 7	372403106000902	2.410%	-10.13	-9.88	3/11/2019	-0.25	-0.01
	ALA 8	372506106004201	5.461%	-15.02	-15.40	2/14/2019	0.38	0.02
	ALA 10	373457106003801	2.817%	-17.81	-21.28	3/13/2019	3.47	0.10
	ALA 12	372950105580801	14.208%	-4.18	-7.22	2/15/2019	3.04	0.43
	CON 1	371705106021501	9.582%	53.73	54.15	3/5/2019	-0.42	-0.04
	CON 2	371745105501001	5.730%	-15.64	-14.63	3/11/2019	-1.01	-0.06
	RIO 2	373227106030301	5.567%	-0.97	-1.41	2/15/2019	0.44	0.02
	6192R	373405106112501	3.516%	52.48	52.42	2/7/2019	0.06	0.00
	P03	RGDSSP03	2.909%	-7.77	-8.60	3/13/2019	0.83	0.02
	P08	RGDSSP08	2.410%	-13.37	-13.12	3/31/2019	-0.25	-0.01
	P09	RGDSSP09	10.619%	37.54	39.41	2/1/2019	-1.87	-0.20
	P10	RGDSSP10	4.690%	19.39	19.36	3/7/2019	0.03	0.00
	4865F	372046106021901	10.783%	32.47	31.69	3/7/2019	0.78	0.08
Conejos	CON 2	371745105501001	8.700%	-15.64	-14.63	3/11/2019	-1.01	-0.09
	P03	RGDSSP03	8.233%	-7.77	-8.60	3/13/2019	0.83	0.07
	P07	RGDSSP07	10.749%	0.53	0.62	3/13/2019	-0.09	-0.01
	P12	RGDSSP12	16.939%	166.04	167.01	2/5/2019	-0.97	-0.16
	20WCB	371118105543501	10.968%	4.00	4.22	3/7/2019	-0.22	-0.02
	6747F	370324105561201	10.371%	100.42	101.28	3/7/2019	-0.86	-0.09
	24316F	370446105582701	9.104%	144.61	144.90	3/7/2019	-0.29	-0.03
	22258F	371108106005101	6.886%	61.37	61.32	3/7/2019	0.05	0.00
	3416F	371030105585001	6.804%	63.26	63.40	3/7/2019	-0.14	-0.01
	296046	370843106021001	11.246%	160.91	161.26	3/7/2019	-0.35	-0.04
Saguache	SAG 2	375310106021501	17.494%	-39.14	-39.22	3/12/2019	0.08	0.01
	SAG 3	380045106044501	3.607%	5.95	3.25	3/12/2019	2.70	0.10
	SAG 9	375255106084401	11.398%	-4.25	-6.50	3/13/2019	2.25	0.26
	SAG 10	375310106050001	8.230%	-28.93	-30.70	3/13/2019	1.77	0.15
	SAG 12	380047106024801	14.626%	-7.04	-7.53	3/13/2019	0.49	0.07
	SAG 13	375820106052001	8.507%	-11.98	-14.50	3/13/2019	2.52	0.21
	SAG 18	375918106063601	9.324%	3.34	1.74	3/13/2019	1.60	0.15
	P01	RGDSSP01	2.518%	-1.31	-4.70	3/31/2019	3.39	0.09
	RG05	380537106004801	14.135%	46.37	44.42	3/6/2019	1.95	0.28
	19513Z	SAG18	10.160%	58.08	57.12	3/6/2019	0.96	0.10
San Luis Creek	RG02	380941105545501	13.117%	65.28	62.46	3/4/2019	2.82	0.37
	RG03	380601105505201	9.758%	29.10	26.03	3/4/2019	3.07	0.30
	11010F	380855105553501	3.261%	65.20	53.47	2/6/2019	11.73	0.38
	1725R	380640105510001	7.611%	55.59	52.32	2/6/2019	3.27	0.25
	P14	RGDSSP14	14.205%	-32.87	-37.15	3/13/2019	4.28	0.61
	DW-1	375842105473701	11.410%	-37.46	-39.82	3/20/2019	2.36	0.27
	DW-3	375828105432501	17.029%	24.41	24.93	2/28/2019	-0.52	-0.09
	DW-4	375428105472501	9.348%	-37.88	-38.12	2/28/2019	0.24	0.02
	DW-5	375507105505901	5.497%	-72.43	-72.48	3/20/2019	0.05	0.00
	2760FR	380652105552101	8.765%	28.21	25.89	3/6/2019	2.32	0.20



Table 2f. 2020 Monitoring Well Data Summary and Composite Water Head Calculations

RA	Name	Model UID	Thiessen Weight (a)	2015 DTW Baseline (ft) (b)	2020 DTW (ft) (c)	2020 Date (d)	2020 ΔDTW (ft) (e)	2020 ΔDTW Weighted (f)
Alamosa La Jara	ALA 4	372550105455001	16.888%	-35.39	-39.09	3/25/2020	3.70	0.62
	ALA 6	372403106000901	2.410%	-10.75	-12.95	2/18/2020	2.20	0.05
	ALA 7	372403106000902	2.410%	-10.13	-11.54	3/27/2020	1.41	0.03
	ALA 8	372506106004201	5.461%	-15.02	-17.58	3/27/2020	2.56	0.14
	ALA 10	373457106003801	2.817%	-17.81	-20.24	3/30/2020	2.43	0.07
	ALA 12	372950105580801	14.208%	-4.18	-10.65	3/30/2020	6.47	0.92
	CON 1	371705106021501	9.582%	53.73	50.11	3/16/2020	3.62	0.35
	CON 2	371745105501001	5.730%	-15.64	-16.54	3/27/2020	0.90	0.05
	RIO 2	373227106030301	5.567%	-0.97	-4.54	3/26/2020	3.57	0.20
	6192R	373405106112501	3.516%	52.48	49.40	2/3/2020	3.08	0.11
	P03	RGDSSP03	2.909%	-7.77	-10.66	3/27/2020	2.89	0.08
	P08	RGDSSP08	2.410%	-13.37	-15.94	3/27/2020	2.57	0.06
	P09	RGDSSP09	10.619%	37.54	38.15	2/12/2020	-0.61	-0.06
	P10	RGDSSP10	4.690%	19.39	16.40	2/4/2020	2.99	0.14
	4865F	372046106021901	10.783%	32.47	26.82	3/5/2020	5.65	0.61
Conejos	CON 2	371745105501001	8.700%	-15.64	-16.54	3/27/2020	0.90	0.08
	P03	RGDSSP03	8.233%	-7.77	-10.66	3/27/2020	2.89	0.24
	P07	RGDSSP07	10.749%	0.53	-0.92	3/27/2020	1.45	0.16
	P12	RGDSSP12	16.939%	166.04	165.27	2/3/2020	0.77	0.13
	20WCB	371118105543501	10.968%	4.00	2.68	3/5/2020	1.32	0.14
	6747F	370324105561201	10.371%	100.42	100.09	3/5/2020	0.33	0.03
	24316F	370446105582701	9.104%	144.61	143.47	3/5/2020	1.14	0.10
	22258F	371108106005101	6.886%	61.37	59.77	3/5/2020	1.60	0.11
	3416F	371030105585001	6.804%	63.26	61.66	3/5/2020	1.60	0.11
	296046	370843106021001	11.246%	160.91	159.98	3/5/2020	0.93	0.10
Saguache	SAG 2	375310106021501	17.494%	-39.14	-40.57	3/26/2020	1.43	0.25
	SAG 3	380045106044501	3.607%	5.95	1.56	3/21/2020	4.39	0.16
	SAG 9	375255106084401	11.398%	-4.25	-8.11	2/19/2020	3.86	0.44
	SAG 10	375310106050001	8.230%	-28.93	-31.28	2/19/2020	2.35	0.19
	SAG 12	380047106024801	14.626%	-7.04	-9.90	2/19/2020	2.86	0.42
	SAG 13	375820106052001	8.507%	-11.98	-13.51	2/20/2020	1.53	0.13
	SAG 18	375918106063601	9.324%	3.34	0.90	12/10/2019	2.44	0.23
	P01	RGDSSP01	2.518%	-1.31	-6.64	3/27/2020	5.33	0.13
	RG05	380537106004801	14.135%	46.37	42.58	3/6/2020	3.79	0.54
	19513Z	SAG18	10.160%	58.08	55.67	3/6/2020	2.41	0.24
San Luis Creek	RG02	380941105545501	13.117%	65.28	60.98	3/2/2020	4.30	0.56
	RG03	380601105505201	9.758%	29.10	26.19	3/2/2020	2.91	0.28
	11010F	380855105553501	3.261%	65.20				
	1725R	380640105510001	7.611%	55.59	52.29	2/4/2020	3.30	0.25
	P14	RGDSSP14	14.205%	-32.87	-38.16	3/19/2020	5.29	0.75
	DW-1	375842105473701	11.410%	-37.46	-40.14	2/26/2020	2.68	0.31
	DW-3	375828105432501	17.029%	24.41	25.24	2/26/2020	-0.83	-0.14
	DW-4	375428105472501	9.348%	-37.88	-40.28	2/26/2020	2.40	0.22
	DW-5	375507105505901	5.497%	-72.43	-72.93	3/31/2020	0.50	0.03
	2760FR	380652105552101	8.765%	28.21	24.62	3/6/2020	3.59	0.31



Table 2g. 2021 Monitoring Well Data Summary and Composite Water Head Calculations

RA	Name	Model UID	Thiessen Weight (a)	2015 DTW Baseline (ft) (b)	2021 DTW (ft) (c)	2021 Date (d)	2021 ΔDTW (ft) (e)	2021 ΔDTW Weighted (f)
Alamosa La Jara	ALA 4	372550105455001	16.888%	-35.39	-36.45	2/22/2021	1.06	0.18
	ALA 6	372403106000901	2.410%	-10.75	-9.42	3/19/2021	-1.33	-0.03
	ALA 7	372403106000902	2.410%	-10.13	-9.21	3/19/2021	-0.92	-0.02
	ALA 8	372506106004201	5.461%	-15.02	-14.18	3/19/2021	-0.84	-0.05
	ALA 10	373457106003801	2.817%	-17.81	-17.15	3/23/2021	-0.66	-0.02
	ALA 12	372950105580801	14.208%	-4.18	-3.23	3/17/2021	-0.95	-0.13
	CON 1	371705106021501	9.582%	53.73	53.53	2/10/2021	0.20	0.02
	CON 2	371745105501001	5.730%	-15.64	-15.03	3/19/2021	-0.61	-0.03
	RIO 2	373227106030301	5.567%	-0.97	-2.41	3/17/2021	1.44	0.08
	6192R	373405106112501	3.516%	52.48	51.00	1/27/2021	1.48	0.05
	P03	RGDSSP03	2.909%	-7.77	-9.14	3/30/2021	1.37	0.04
	P08	RGDSSP08	2.410%	-13.37	-12.98	3/30/2021	-0.39	-0.01
	P09	RGDSSP09	10.619%	37.54	39.04	2/9/2021	-1.50	-0.16
	P10	RGDSSP10	4.690%	19.39	18.79	2/9/2021	0.60	0.03
	4865F	372046106021901	10.783%	32.47	30.06	3/11/2021	2.41	0.26
Conejos	CON 2	371745105501001	8.700%	-15.64	-15.03	3/19/2021	-0.61	-0.05
	P03	RGDSSP03	8.233%	-7.77	-9.14	3/30/2021	1.37	0.11
	P07	RGDSSP07	10.749%	0.53	1.08	3/23/2021	-0.55	-0.06
	P12	RGDSSP12	16.939%	166.04	167.49	3/10/2021	-1.45	-0.25
	20WCB	371118105543501	10.968%	4.00	4.34	3/11/2021	-0.34	-0.04
	6747F	370324105561201	10.371%	100.42	101.89	3/11/2021	-1.47	-0.15
	24316F	370446105582701	9.104%	144.61	145.36	3/11/2021	-0.75	-0.07
	22258F	371108106005101	6.886%	61.37	63.60	3/11/2021	-2.23	-0.15
	3416F	371030105585001	6.804%	63.26	63.96	3/11/2021	-0.70	-0.05
	296046	370843106021001	11.246%	160.91	161.93	3/11/2021	-1.02	-0.11
Saguache	SAG 2	375310106021501	17.494%	-39.14	-39.84	3/22/2021	0.70	0.12
	SAG 3	380045106044501	3.607%	5.95	3.43	3/26/2021	2.52	0.09
	SAG 9	375255106084401	11.398%	-4.25	-6.63	3/25/2021	2.38	0.27
	SAG 10	375310106050001	8.230%	-28.93	-31.39	3/25/2021	2.46	0.20
	SAG 12	380047106024801	14.626%	-7.04	-8.40	3/26/2021	1.36	0.20
	SAG 13	375820106052001	8.507%	-11.98	-12.10	3/26/2021	0.12	0.01
	SAG 18	375918106063601	9.324%	3.34	1.66	3/25/2021	1.68	0.16
	P01	RGDSSP01	2.518%	-1.31	-5.74	3/30/2021	4.43	0.11
	RG05	380537106004801	14.135%	46.37	44.33	3/10/2021	2.04	0.29
	19513Z	SAG18	10.160%	58.08	57.84	3/10/2021	0.24	0.02
San Luis Creek	RG02	380941105545501	13.117%	65.28	62.15	3/8/2021	3.13	0.41
	RG03	380601105505201	9.758%	29.10	27.65	3/8/2021	1.45	0.14
	11010F	380855105553501	3.261%	65.20	53.14	1/26/2021	12.06	0.39
	1725R	380640105510001	7.611%	55.59	54.20	1/26/2021	1.39	0.11
	P14	RGDSSP14	14.205%	-32.87	-37.14	3/30/2021	4.27	0.61
	DW-1	375842105473701	11.410%	-37.46	-40.76	3/29/2021	3.30	0.38
	DW-3	375828105432501	17.029%	24.41	25.83	3/29/2021	-1.42	-0.24
	DW-4	375428105472501	9.348%	-37.88	-41.11	3/29/2021	3.23	0.30
	DW-5	375507105505901	5.497%	-72.43	-76.69	3/29/2021	4.26	0.23
	2760FR	380652105552101	8.765%	28.21	25.18	3/11/2021	3.03	0.27



Table 2h. 2022 Monitoring Well Data Summary and Composite Water Head Calculations

RA	Name	Model UID	Thiessen Weight (a)	2015 DTW Baseline (ft) (b)	2022 DTW (ft) (c)	2022 Date (d)	2022 ΔDTW (ft) (e)	2022 ΔDTW Weighted (f)
Alamosa La Jara	ALA 4	372550105455001	16.888%	-35.39	-35.18	2/16/2022	-0.21	-0.04
	ALA 6	372403106000901	2.410%	-10.75	-8.04	2/16/2022	-2.71	-0.07
	ALA 7	372403106000902	2.410%	-10.13	-8.84	3/23/2022	-1.29	-0.03
	ALA 8	372506106004201	5.461%	-15.02	-12.77	3/23/2022	-2.25	-0.12
	ALA 10	373457106003801	2.817%	-17.81	-19.41	3/16/2022	1.60	0.05
	ALA 12	372950105580801	14.208%	-4.18	-1.74	2/16/2022	-2.44	-0.35
	CON 1	371705106021501	9.582%	53.73	59.01	3/30/2022	-5.28	-0.51
	CON 2	371745105501001	5.730%	-15.64	-14.70	3/16/2022	-0.94	-0.05
	RIO 2	373227106030301	5.567%	-0.97	-0.26	3/23/2022	-0.71	-0.04
	6192R	373405106112501	3.516%	52.48	54.81	1/25/2022	-2.33	-0.08
	P03	RGDSSP03	2.909%	-7.77	-8.62	3/30/2022	0.85	0.02
	P08	RGDSSP08	2.410%	-13.37	-11.70	3/29/2022	-1.67	-0.04
	P09	RGDSSP09	10.619%	37.54	41.82	2/9/2022	-4.28	-0.45
	P10	RGDSSP10	4.690%	19.39	21.09	3/3/2022	-1.70	-0.08
	4865F	372046106021901	10.783%	32.47	31.10	3/15/2022	1.37	0.15
Conejos	CON 2	371745105501001	8.700%	-15.64	-14.70	3/16/2022	-0.94	-0.08
	P03	RGDSSP03	8.233%	-7.77	-8.62	3/30/2022	0.85	0.07
	P07	RGDSSP07	10.749%	0.53	1.70	3/29/2022	-1.17	-0.13
	P12	RGDSSP12	16.939%	166.04	168.24	3/7/2022	-2.20	-0.37
	20WCB	371118105543501	10.968%	4.00	4.92	3/15/2022	-0.92	-0.10
	6747F	370324105561201	10.371%	100.42	102.47	3/14/2022	-2.05	-0.21
	24316F	370446105582701	9.104%	144.61	145.86	3/14/2022	-1.25	-0.11
	22258F	371108106005101	6.886%	61.37	63.70	3/14/2022	-2.33	-0.16
	3416F	371030105585001	6.804%	63.26	64.75	3/14/2022	-1.49	-0.10
	296046	370843106021001	11.246%	160.91	162.73	3/15/2022	-1.82	-0.20
Saguache	SAG 2	375310106021501	17.494%	-39.14	-42.35	3/29/2022	3.21	0.56
	SAG 3	380045106044501	3.607%	5.95	1.82	2/24/2022	4.13	0.15
	SAG 9	375255106084401	11.398%	-4.25	-6.00	5/24/2022	1.75	0.20
	SAG 10	375310106050001	8.230%	-28.93	-31.37	3/31/2022	2.44	0.20
	SAG 12	380047106024801	14.626%	-7.04	-9.63	3/29/2022	2.59	0.38
	SAG 13	375820106052001	8.507%	-11.98	-12.10	11/29/2021	0.12	0.01
	SAG 18	375918106063601	9.324%	3.34	1.50	2/24/2022	1.84	0.17
	P01	RGDSSP01	2.518%	-1.31	-7.37	3/30/2022	6.06	0.15
	RG05	380537106004801	14.135%	46.37	43.33	3/7/2022	3.04	0.43
	19513Z	SAG18	10.160%	58.08	55.92	3/7/2022	2.16	0.22
San Luis Creek	RG02	380941105545501	13.117%	65.28	63.17	3/2/2022	2.11	0.28
	RG03	380601105505201	9.758%	29.10	28.56	2/3/2022	0.54	0.05
	11010F	380855105553501	3.261%	65.20	53.91	1/25/2022	11.29	0.37
	1725R	380640105510001	7.611%	55.59	55.11	1/25/2022	0.48	0.04
	P14	RGDSSP14	14.205%	-32.87	-38.18	3/29/2022	5.31	0.75
	DW-1	375842105473701	11.410%	-37.46	-40.82	12/29/2021	3.36	0.38
	DW-3	375828105432501	17.029%	24.41	24.80	2/28/2022	-0.39	-0.07
	DW-4	375428105472501	9.348%	-37.88	-42.78	11/17/2021	4.90	0.46
	DW-5	375507105505901	5.497%	-72.43	-75.73	5/26/2022	3.30	0.18
	2760FR	380652105552101	8.765%	28.21	25.84	3/7/2022	2.37	0.21



Table 2i. 2023 Monitoring Well Data Summary and Composite Water Head Calculations

RA	Name	Model UID	Thiessen Weight (a)	2015 DTW Baseline (ft) (b)	2023 DTW (ft) (c)	2023 Date (d)	2023 ΔDTW (ft) (e)	2023 ΔDTW Weighted (f)
Alamosa La Jara	ALA 4	372550105455001	16.888%	-35.39	-34.55	2/19/2023	-0.84	-0.14
	ALA 6	372403106000901	2.410%	-10.75	-8.57	3/24/2023	-2.18	-0.05
	ALA 7	372403106000902	2.410%	-10.13	-8.23	3/24/2023	-1.90	-0.05
	ALA 8	372506106004201	5.461%	-15.02	-11.82	3/24/2023	-3.20	-0.17
	ALA 10	373457106003801	2.817%	-17.81	-19.49	3/24/2023	1.68	0.05
	ALA 12	372950105580801	14.208%	-4.18	-1.64	3/24/2023	-2.54	-0.36
	CON 1	371705106021501	9.582%	53.73	55.75	2/18/2023	-2.02	-0.19
	CON 2	371745105501001	5.730%	-15.64	-15.08	3/22/2023	-0.56	-0.03
	RIO 2	373227106030301	5.567%	-0.97	-0.06	2/18/2023	-0.91	-0.05
	6192R	373405106112501	3.516%	52.48				
	P03	RGDSSP03	2.909%	-7.77	-8.81	3/30/2023	1.04	0.03
	P08	RGDSSP08	2.410%	-13.37	-11.20	3/30/2023	-2.17	-0.05
	P09	RGDSSP09	10.619%	37.54	46.31	3/24/2023	-8.77	-0.93
	P10	RGDSSP10	4.690%	19.39	21.17	3/9/2023	-1.78	-0.08
	4865F	372046106021901	10.783%	32.47	32.02	3/13/2023	0.45	0.05
Conejos	CON 2	371745105501001	8.700%	-15.64	-15.08	3/22/2023	-0.56	-0.05
	P03	RGDSSP03	8.233%	-7.77	-8.81	3/30/2023	1.04	0.09
	P07	RGDSSP07	10.749%	0.53	1.73	2/22/2023	-1.20	-0.13
	P12	RGDSSP12	16.939%	166.04	168.41	2/13/2023	-2.37	-0.40
	20WCB	371118105543501	10.968%	4.00	4.87	3/13/2023	-0.87	-0.10
	6747F	370324105561201	10.371%	100.42	102.24	3/13/2023	-1.82	-0.19
	24316F	370446105582701	9.104%	144.61	145.72	3/13/2023	-1.11	-0.10
	22258F	371108106005101	6.886%	61.37	63.05	3/13/2023	-1.68	-0.12
	3416F	371030105585001	6.804%	63.26	64.16	3/13/2023	-0.90	-0.06
	296046	370843106021001	11.246%	160.91	162.78	3/13/2023	-1.87	-0.21
Saguache	SAG 2	375310106021501	17.494%	-39.14	-43.62	3/30/2023	4.48	0.78
	SAG 3	380045106044501	3.607%	5.95	1.03	3/28/2023	4.92	0.18
	SAG 9	375255106084401	11.398%	-4.25	-8.66	3/30/2023	4.41	0.50
	SAG 10	375310106050001	8.230%	-28.93	-33.91	3/30/2023	4.98	0.41
	SAG 12	380047106024801	14.626%	-7.04	-10.70	3/28/2023	3.66	0.54
	SAG 13	375820106052001	8.507%	-11.98				
	SAG 18	375918106063601	9.324%	3.34				
	P01	RGDSSP01	2.518%	-1.31	-8.58	3/30/2023	7.27	0.18
	RG05	380537106004801	14.135%	46.37	42.66	3/13/2023	3.71	0.52
	19513Z	SAG18	10.160%	58.08	54.25	3/13/2023	3.83	0.39
San Luis Creek	RG02	380941105545501	13.117%	65.28	63.86	3/8/2023	1.42	0.19
	RG03	380601105505201	9.758%	29.10				
	11010F	380855105553501	3.261%	65.20	54.09	1/30/2023	11.11	0.36
	1725R	380640105510001	7.611%	55.59	56.54	1/30/2023	-0.95	-0.07
	P14	RGDSSP14	14.205%	-32.87	-37.94	3/30/2023	5.07	0.72
	DW-1	375842105473701	11.410%	-37.46	-39.31	2/27/2023	1.85	0.21
	DW-3	375828105432501	17.029%	24.41	26.11	2/27/2023	-1.70	-0.29
	DW-4	375428105472501	9.348%	-37.88	-40.44	3/29/2023	2.56	0.24
	DW-5	375507105505901	5.497%	-72.43	-74.08	3/29/2023	1.65	0.09
	2760FR	380652105552101	8.765%	28.21	25.34	3/13/2023	2.87	0.25



Table 2j. 2024 Monitoring Well Data Summary and Composite Water Head Calculations

RA	Name	Model UID	Thiessen Weight (a)	2015 DTW Baseline (ft) (b)	2024 DTW (ft) (c)	2024 Date (d)	2024 ΔDTW (ft) (e)	2024 ΔDTW Weighted (f)
Alamosa La Jara	ALA 4	372550105455001	16.888%	-35.39	-29.05	3/26/2024	-6.34	-1.07
	ALA 6	372403106000901	2.410%	-10.75	-9.74	3/21/2024	-1.01	-0.02
	ALA 7	372403106000902	2.410%	-10.13	-9.31	3/21/2024	-0.82	-0.02
	ALA 8	372506106004201	5.461%	-15.02	-13.30	3/22/2024	-1.72	-0.09
	ALA 10	373457106003801	2.817%	-17.81	-21.08	3/22/2024	3.27	0.09
	ALA 12	372950105580801	14.208%	-4.18	-0.65	11/30/2023	-3.53	-0.50
	CON 1	371705106021501	9.582%	53.73	55.18	3/22/2024	-1.45	-0.14
	CON 2	371745105501001	5.730%	-15.64	-15.34	3/21/2024	-0.30	-0.02
	RIO 2	373227106030301	5.567%	-0.97	-0.79	3/22/2024	-0.18	-0.01
	6192R	373405106112501	3.516%	52.48	53.96	2/22/2024	-1.48	-0.05
	P03	RGDSSP03	2.909%	-7.77	-9.05	3/25/2024	1.28	0.04
	P08	RGDSSP08	2.410%	-13.37	-12.21	3/31/2024	-1.16	-0.03
	P09	RGDSSP09	10.619%	37.54	41.34	3/26/2024	-3.80	-0.40
	P10	RGDSSP10	4.690%	19.39	20.28	3/26/2024	-0.89	-0.04
	4865F	372046106021901	10.783%	32.47	28.54	3/26/2024	3.93	0.42
Conejos	CON 2	371745105501001	8.700%	-15.64	-15.34	3/21/2024	-0.30	-0.03
	P03	RGDSSP03	8.233%	-7.77	-9.05	3/25/2024	1.28	0.11
	P07	RGDSSP07	10.749%	0.53	1.58	3/24/2024	-1.05	-0.11
	P12	RGDSSP12	16.939%	166.04	168.03	3/13/2024	-1.99	-0.34
	20WCB	371118105543501	10.968%	4.00	4.52	3/26/2024	-0.52	-0.06
	6747F	370324105561201	10.371%	100.42	101.09	3/26/2024	-0.67	-0.07
	24316F	370446105582701	9.104%	144.61	144.59	3/26/2024	0.02	0.00
	22258F	371108106005101	6.886%	61.37	63.13	3/26/2024	-1.76	-0.12
	3416F	371030105585001	6.804%	63.26	63.84	3/26/2024	-0.58	-0.04
	296046	370843106021001	11.246%	160.91	162.50	3/26/2024	-1.59	-0.18
Saguache	SAG 2	375310106021501	17.494%	-39.14	-45.19	3/28/2024	6.05	1.06
	SAG 3	380045106044501	3.607%	5.95	1.91	3/28/2024	4.04	0.15
	SAG 9	375255106084401	11.398%	-4.25	-9.25	3/28/2024	5.00	0.57
	SAG 10	375310106050001	8.230%	-28.93	-34.53	3/28/2024	5.60	0.46
	SAG 12	380047106024801	14.626%	-7.04	-11.08	3/28/2024	4.04	0.59
	SAG 13	375820106052001	8.507%	-11.98				
	SAG 18	375918106063601	9.324%	3.34				
	P01	RGDSSP01	2.518%	-1.31	-8.90	3/24/2024	7.59	0.19
	RG05	380537106004801	14.135%	46.37	42.66	3/26/2024	3.71	0.52
	19513Z	SAG18	10.160%	58.08	53.50	3/26/2024	4.58	0.47
San Luis Creek	RG02	380941105545501	13.117%	65.28	64.13	3/6/2024	1.15	0.15
	RG03	380601105505201	9.758%	29.10				
	11010F	380855105553501	3.261%	65.20	54.58	2/20/2024	10.62	0.35
	1725R	380640105510001	7.611%	55.59	56.31	2/20/2024	-0.72	-0.05
	P14	RGDSSP14	14.205%	-32.87	-37.87	3/31/2024	5.00	0.71
	DW-1	375842105473701	11.410%	-37.46	-39.89	3/29/2024	2.43	0.28
	DW-3	375828105432501	17.029%	24.41	26.21	3/29/2024	-1.80	-0.31
	DW-4	375428105472501	9.348%	-37.88	-45.31	3/29/2024	7.43	0.69
	DW-5	375507105505901	5.497%	-72.43	-72.84	3/29/2024	0.41	0.02
	2760FR	380652105552101	8.765%	28.21	26.42	3/26/2024	1.79	0.16



Table 2. Column Calculation Notes

- (a) Thiessen weight = Thiessen polygon area / total polygon areas for Response Area (rounded to 5 digits)
- (b) minimum annual depth to water during non-irrigation season for 2015 baseline year (minimum DTW in February-March or progressively in other months if February/March DTW not available)
- (c) minimum annual depth to water during non-irrigation season for year (minimum DTW in February-March or progressively in other months if February/March DTW not available)
- (d) date of minimum annual depth to water during non-irrigation season measurement
- (e) change in depth to water calculated as baseline depth to water less year depth to water (a negative value indicates a falling water table)
- (f) change in depth to water multiplied by Thiessen weight used in calculation of composite water head. The composite water head for a Response Area equals the sum of these values divided by the sum of Thiessen weights of wells with data by Response Area for the year.

Table 3. Composite Water Head by Response Area

Response Area	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Alamosa La Jara	0.00	1.48	2.31	3.25	0.71	3.38	0.20	-1.64	-2.07	-1.85
Conejos	0.00	-0.11	0.25	1.62	-0.38	1.21	-0.82	-1.40	-1.27	-0.83
Saguache	0.00	2.43	2.91	3.07	1.41	2.73	1.48	2.47	4.27	4.88
San Luis Creek	0.00	1.99	3.11	5.27	2.32	2.67	2.59	2.65	1.88	2.21

Note: Head change in feet from 2015 baseline

Table 4. Missing Annual Well Data

Response Area	Name	Model UID	Thiessen Weight	Years Missing
Alamosa La Jara	6192R	373405106112501	3.516%	2018, 2023
San Luis Creek	11010F	380855105553501	3.261%	2020
Saguache	SAG 13	375820106052001	8.507%	2023, 2024
Saguache	SAG 18	375918106063601	9.324%	2023, 2024
San Luis Creek	RG03	380601105505201	9.758%	2023, 2024



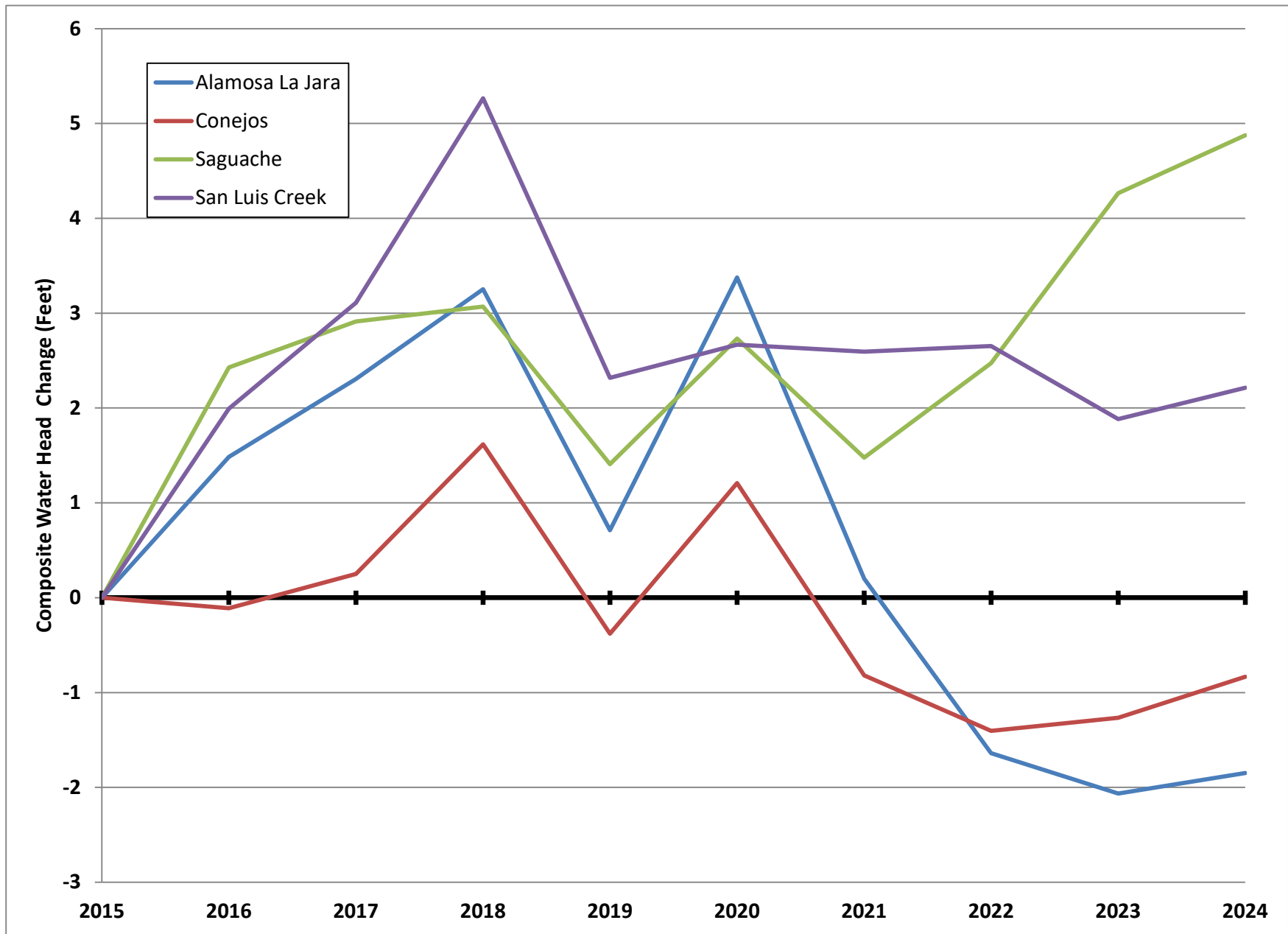


Figure 1. Composite Water Head by Response Area

