



NOTICE AND CALL OF SPECIAL MEETING

Notice is hereby given that I, Tom Campbell, Chair of the Engineering and Operations Committee, have called a SPECIAL MEETING of the Agency's Engineering and Operations Committee.

Said SPECIAL MEETING of the Engineering and Operations Committee to be held on:

Thursday, October 10, 2019 AT 5:30 P.M.

Santa Clarita Valley Water Agency
26521 Summit Circle
Santa Clarita, California 91350
Training Room

Enclosed with and as part of this Notice and Call is an Agenda for the meeting.

Signed: *Elizabeth Galle*
FOR Tom Campbell, Chair

Date: 10/11/19



Date: September 24, 2019

To: **Engineering and Operations Committee**
Tom Campbell, Chair
Ed Colley
William Cooper
Gary Martin
Lynne Plambeck

From: Brian J. Folsom, Chief Engineer *BJF*
Keith Abercrombie, Chief Operating Officer *KA*

A special meeting of the **Engineering & Operations Committee** is scheduled to meet on **Thursday, October 10, 2019 at 5:30 PM at Summit Circle** located at 26521 Summit Circle, Santa Clarita, CA 91350 in the Training Room.

SPECIAL MEETING AGENDA

<u>ITEM</u>	<u>PAGE</u>
1. Public Comments	
2. * Recommend Approval to Purchase a Backhoe-Replacement Unit No. 15	3
3. * Recommend Approval of (1) a Resolution for Construction Contract and Management Funding to The Newhall Land and Farming Company, LLC, (2) a Work Authorization to Michael Baker International for Engineering Services During Construction, and (3) a Work Authorization to Cannon Corporation for Inspection Services for the Magic Mountain Pipeline Phase 6A Project	5
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7. General Report on Treatment, Distribution, Operations and Maintenance Services Section Activities	
8. General Report on Engineering Services Section Activities	

9. Adjournment

- * Indicates attachments
- ◆ To be distributed

NOTICES:

Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by telephoning (661) 297-1600, or writing to Santa Clarita Valley Water Agency at 27234 Bouquet Canyon Road, Santa Clarita, CA 91350. Requests must specify the nature of the disability and the type of accommodation requested. A telephone number or other contact information should be included so that Agency staff may discuss appropriate arrangements. Persons requesting a disability-related accommodation should make the request with adequate time before the meeting for the Agency to provide the requested accommodation.

Pursuant to Government Code Section 54957.5, non-exempt public records that relate to open session agenda items and are distributed to a majority of the Board less than seventy-two (72) hours prior to the meeting will be available for public inspection at the Santa Clarita Valley Water Agency, located at 27234 Bouquet Canyon Road, Santa Clarita, California 91350, during regular business hours. When practical, these public records will also be made available on the Agency's Internet Website, accessible at <http://www.yourscvwater.com>.

Posted on September 30, 2019.

M65



COMMITTEE MEMORANDUM

DATE: September 23, 2019
TO: Engineering and Operations Committee
FROM: Mike Alvord *MA*
 Director of Operations and Maintenance
SUBJECT: Recommend Approval to Purchase a Backhoe-Replacement Unit No. 15

SUMMARY

Staff recommends the purchase of one (1) Backhoe as Replacement for Unit No. 15.

DISCUSSION

The Agency currently owns and operates seven (7) construction backhoes. These backhoes are heavily used in the repair and replacement of water mains and services. Depending on the operational activities of any given work week, backhoes are used as frequently as daily, and typically not less than several times per week.

The Agency has experienced increased usage of its construction equipment since they are now providing service across the Regional Division and all three Retail Divisions. Unit 15 is a 1999 vintage backhoe with over 1000 hours of use. It will also not meet new California Air Resources Board standards taking effect in 2020.

Staff solicited Bids and reviewed three (3) proposals.

Vendor	Brand	Total*
Scott Equipment	New Holland B110C	\$99,600
Berchtold Equipment Co.	New Holland B110C	\$102,000
Coastal Tractor	New Holland B110C	\$152,000

*Price rounded up to nearest hundred

FINANCIAL CONSIDERATIONS

The estimate for the replacement of Unit No.15 is \$99,600. Replacement of NWD's Unit No. 15 was included in the Santa Clarita Valley Water Agency – Newhall Division's 2019/2020 Fiscal Year Equipment Replacement Budget and there are adequate funds remaining for this purchase.

RECOMMENDATION

That the Engineering and Operations Committee recommends the Board of Directors authorize the General Manager to purchase one (1) replacement backhoe in an amount not to exceed \$99,600.





COMMITTEE MEMORANDUM

DATE: September 16, 2019

TO: Engineering and Operations Committee

FROM: Brian J. Folsom, P.E. *BJF*
Chief Engineer

SUBJECT: Recommend Approval of (1) a Resolution for Construction Contract and Management Funding to The Newhall Land and Farming Company, LLC, (2) a Work Authorization to Michael Baker International for Engineering Services During Construction and (3) a Work Authorization to Cannon Corporation for Inspection Services for the Magic Mountain Pipeline Phase 6A Project

SUMMARY

The Magic Mountain Pipeline Phase 6A (Phase 6A Pipeline) project has been advertised for construction bids. Bids have been received and staff is recommending approval of construction contract and construction management funding to The Newhall Land and Farming Company, LLC (Newhall Land). Staff is recommending approval of a work authorization to Michael Baker International (MBI) for engineering services during construction and approval of a work authorization to Cannon Corporation (Cannon) for inspection services.

DISCUSSION

The Agency's Capital Improvement Program includes construction of new pipelines to extend its existing Magic Mountain Pipeline to the future Magic Mountain Reservoir located in the Mission Village development. The pipeline extension will be constructed in four phases (Phases 4, 5, 6A, and 6B) based on the Mission Village development road construction schedule. On August 1, 2018, the Agency executed the Magic Mountain Water Pipeline Installation Agreement (Agreement) with Newhall Land. Under the terms of the Agreement, Newhall Land will install the Phase 6A Pipeline as a part of the road improvements and the Agency will reimburse Newhall Land for construction costs.

The Phase 6A Pipeline is approximately 3,300 feet long and 42-inches in diameter. As shown on the attached map, the pipeline will be installed within Magic Mountain Parkway (approximately 500 feet) and within Westridge Parkway (approximately 2,800 feet). The project was advertised for construction bids by Newhall Land on August 27, 2019.

On September 11, 2019, three bids were received by Newhall Land. A summary of the bids is presented below:

Bidder	Bidder Location	Total Bid Price
Toro Enterprises Inc.	Oxnard, CA	\$7,168,844.85
Blois Construction Inc.	Oxnard, CA	\$7,494,173.00
Sam Hill & Sons Inc.	Ventura, CA	\$9,450,967.60

Newhall Land and Agency staff evaluated the submitted bids. The apparent responsive low bid was from Toro Enterprises Inc. (Toro) for a total of \$7,168,844.85. The engineer's estimate for the project is \$6,545,939. Toro is a licensed Class A contractor in the State of California and is registered with the Department of Industrial Relations.

The Agency's Purchasing Policy allows the General Manager to approve change orders up to four percent (4%) of the original contract amount, however, the Board may grant a different change order authority on a project specific basis. Newhall Land will manage the construction contract of the Phase 6A Pipeline as part of the overall road development. Since it is anticipated that there may be a limited time for change order processing and approval, staff is recommending increasing the General Manager's Change Order Authority from four percent (4%) to ten percent (10%) of the original contract amount.

Staff requested the engineering design consultant, MBI, to provide a proposal for professional engineering services during construction. MBI services include attending various construction meetings, performing construction observation site visits, responding to contractor's request for information and clarifications, reviewing contractor submittals for conformance to the project's technical aspects, reviewing request for quotes and preparing as-built drawings.

Staff also solicited proposals for inspection services. Staff is recommending Cannon for the work. The general scope of work includes providing inspection, overall construction coordination and material testing.

CEQA Determination

The proposed action was previously evaluated by the Castaic Lake Water Agency's (CLWA) Board of Directors. On February 11, 2015, CLWA, as a Responsible Agency under CEQA, certified the Mission Village Final Environmental Impact Report (Final EIR) and adopted the Lead Agency's (the County of Los Angeles) findings, the Statement of Overriding Considerations and the Mitigation Monitoring and Reporting Programs with the adoption of Resolution No. 3023. CLWA filed the Notice of Determination with the Los Angeles County Clerk's Office and the State Clearinghouse on February 24, 2015. There are no substantial changes to the project and no further CEQA documentation is necessary for the Board to act with regards to the proposed actions.

FINANCIAL CONSIDERATIONS

The Agency will reimburse Newhall Land for construction costs and the Agency shall pay Newhall Land for construction management and miscellaneous costs for permits, construction survey and geotechnical testing. Toro's construction bid is \$7,168,844.85. Newhall Land's budget for construction management and miscellaneous costs (permits, construction survey, and geotechnical testing) is an amount not to exceed \$320,000. MBI's budget for engineering services during construction is an amount not to exceed \$150,000 and the work will be performed on a time and expense basis. Cannon's budget for inspection services is an amount not to exceed \$510,000. Cannon's services will be performed on a time and materials basis.

This project is funded in the Agency's FY 2019/20 Budget for the Magic Mountain Pipeline No. 6 Project. The project's total estimated cost, including engineering, construction management, construction, inspection and miscellaneous costs, is \$11,105,000. As of September 19, 2019, the project's total expenses are \$217,064.

RECOMMENDATION

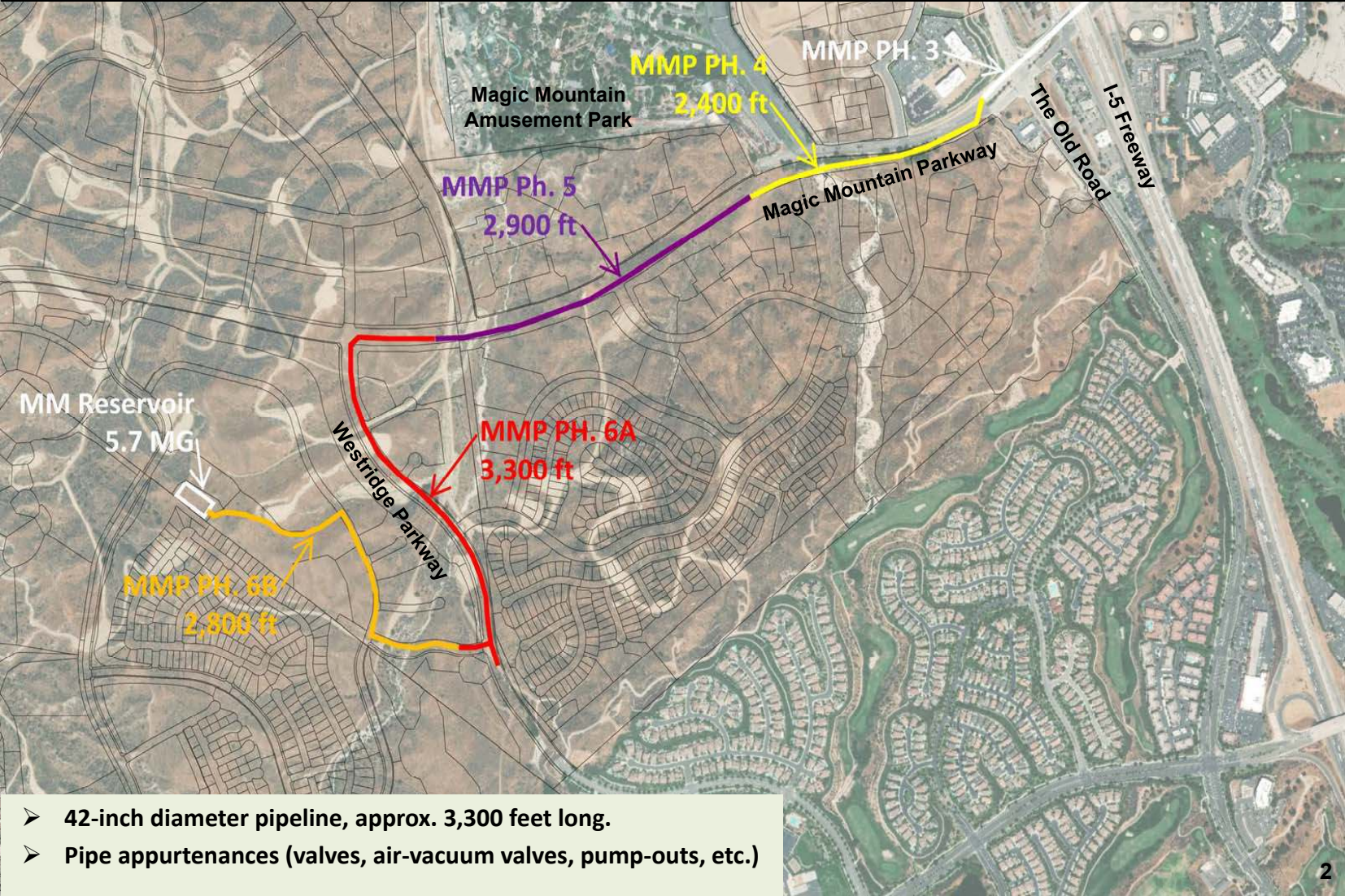
That the Engineering and Operations Committee recommends that the Board of Directors (1) approve the attached resolution awarding funding in an amount not to exceed \$7,168,844.85 for construction costs and an amount not to exceed \$320,000 for construction management and miscellaneous costs to The Newhall Land and Farming Company, LLC, and authorize the General Manager to execute construction change orders up to ten percent (10%) of the original construction contract, (2) authorize the General Manager to execute a work authorization with Michael Baker International for an amount not to exceed \$150,000 for engineering services during construction and (3) authorize the General Manager to execute a work authorization with Cannon Corporation for an amount not to exceed \$510,000 for inspection services for the Magic Mountain Pipeline Phase 6A project.

ES

Attachments

MBS

Magic Mountain Pipeline Phase 6A Location and Description



RESOLUTION NO. SCV-XXX

**RESOLUTION OF THE BOARD OF DIRECTORS
OF THE SANTA CLARITA VALLEY WATER AGENCY
APPROVING FUNDING FOR CONSTRUCTION CONTRACT
AND CONSTRUCTION MANAGEMENT
TO THE NEWHALL LAND AND FARMING COMPANY, LLC,
FOR THE MAGIC MOUNTAIN PIPELINE PHASE 6A PROJECT**

WHEREAS, Santa Clarita Valley Water Agency (SCVWA) desires to take steps to increase the reliability of its existing water system; and

WHEREAS, SCVWA's Capital Improvement Program includes new pipelines to extend the Agency's existing Magic Mountain Pipeline to the future Magic Mountain Reservoir, located in The Newhall Land and Farming Company, LLC, (Newhall Land)'s Mission Village project; and

WHEREAS, Newhall Land is constructing the Mission Village project, and would like to install/construct SCVWA's new pipelines in four phases, Magic Mountain Pipeline Phases 4, 5, 6A and 6B, as part of Newhall Land's road improvements, subject to SCVWA's reimbursement; and

WHEREAS, any agreement with Newhall Land regarding the Mission Village project is independent of SCVWA's pre-existing plans to construct the pipeline as part of SCVWA's Capital Improvement Program to ensure a reliable supply of water; and

WHEREAS, Castaic Lake Water Agency (CLWA), as a CEQA Responsible Agency, filed the Notice of Determination with the Los Angeles County Clerk's Office and the State Clearinghouse on February 24, 2015 and there are no substantial changes to the project, and no further CEQA documentation is necessary for the Board to act with regards to the proposed actions; and

WHEREAS, the General Manager executed the Magic Mountain Water Pipeline Installation Agreement with Newhall Land for the construction of the Magic Mountain Pipeline Phases 4-6 on August 1, 2018; and

WHEREAS, all bid proposals submitted to the Newhall Land, pursuant to the Magic Mountain Water Pipeline Installation Agreement, and the Agency's construction contract documents, as amended by Addenda, were received by Newhall Land on Wednesday, September 11, 2019 by 2:00 p.m., in full accordance with the law and Newhall Land's customary procedures; and

WHEREAS, the Board of Directors finds, after considering the opinion of staff, that the total bid of Toro Enterprises Inc. in the amount of \$7,168,844.85 is the lowest responsible bid of three bids submitted, and that said bid substantially meets the requirements of said construction contract documents as amended by Addenda; and

WHEREAS, the Agency's Purchasing Policy allows the General Manager to approve change orders up to four percent (4%) of the original contract amount and the Board of Directors may grant a different change authority on a project-specific basis; and

WHEREAS, it is in the Agency's best interest that the Board of Directors change the General Manger's Change Order Authority for this project from four percent (4%) to ten percent (10%); and

WHEREAS, under the terms of the Magic Mountain Water Pipeline Installation Agreement, Newhall Land will perform the construction management and miscellaneous construction support services for this project in an amount not to exceed \$320,000.

NOW, THEREFORE, BE IT RESOLVED that the Agency's Board of Directors does authorize its General Manager to accept said low bid and does therefore authorize the Agency's General Manager or its Chief Engineer to approve the funding to Newhall Land for a reimbursement to Toro Enterprises Inc., hereby found to be the "lowest responsible bidder" for the Magic Mountain Pipeline Phase 6A Project pursuant to said Agency's construction contract documents, as amended by Addenda, for a total construction budget not to exceed \$7,168,844.85.

RESOLVED FURTHER that the Agency's Board of Directors does authorize its General Manager or its Chief Engineer to approve change orders up to ten percent (10%) of the original construction contract amount for the Magic Mountain Pipeline Phase 6A Project with details of all construction change orders being reported to the Board of Directors.

RESOLVED FURTHER that the Agency's Board of Directors does authorize its General Manager or its Chief Engineer to approve the funding to Newhall Land for construction management and miscellaneous construction support services for the Magic Mountain Pipeline Phase 6A Project pursuant to the Magic Mountain Water Pipeline Installation Agreement in an amount not to exceed \$320,000.

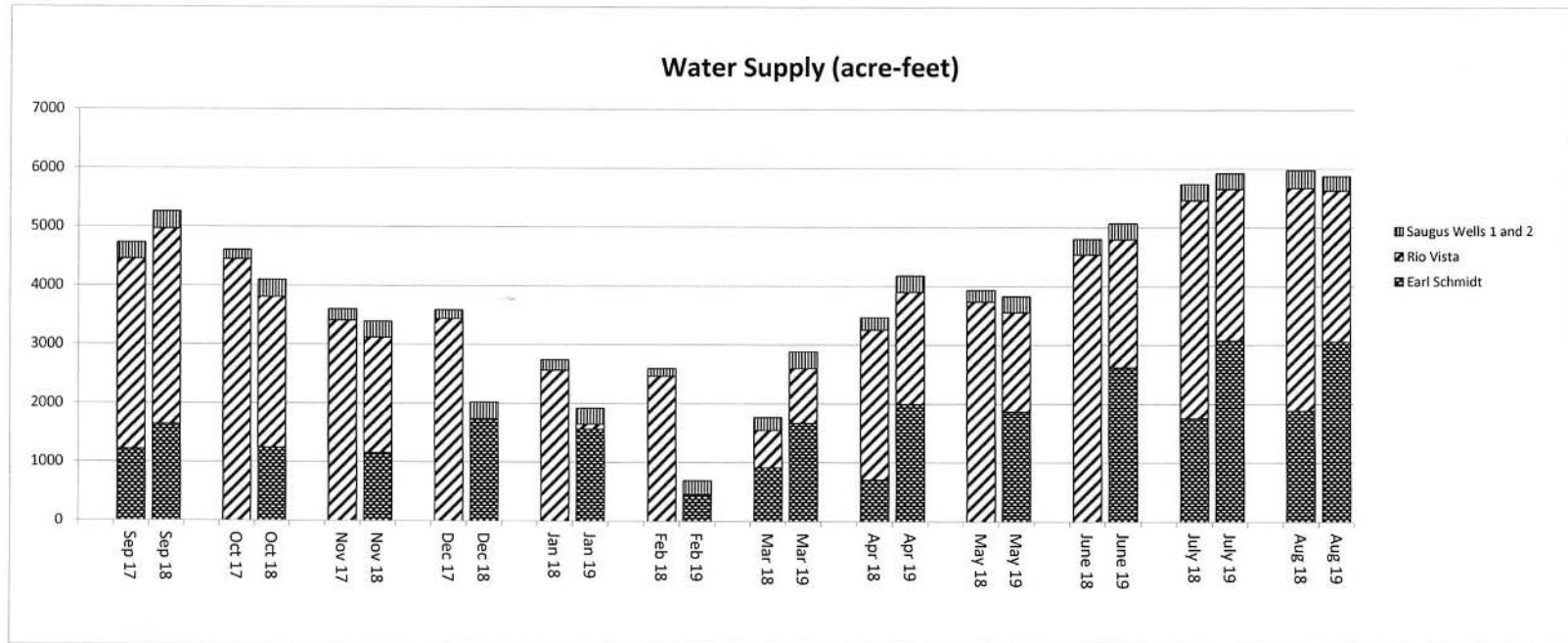


Monthly Operations & Production Report

August 2019

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SANTA CLARITA VALLEY WATER AGENCY
August 2019 Regional Operations Report



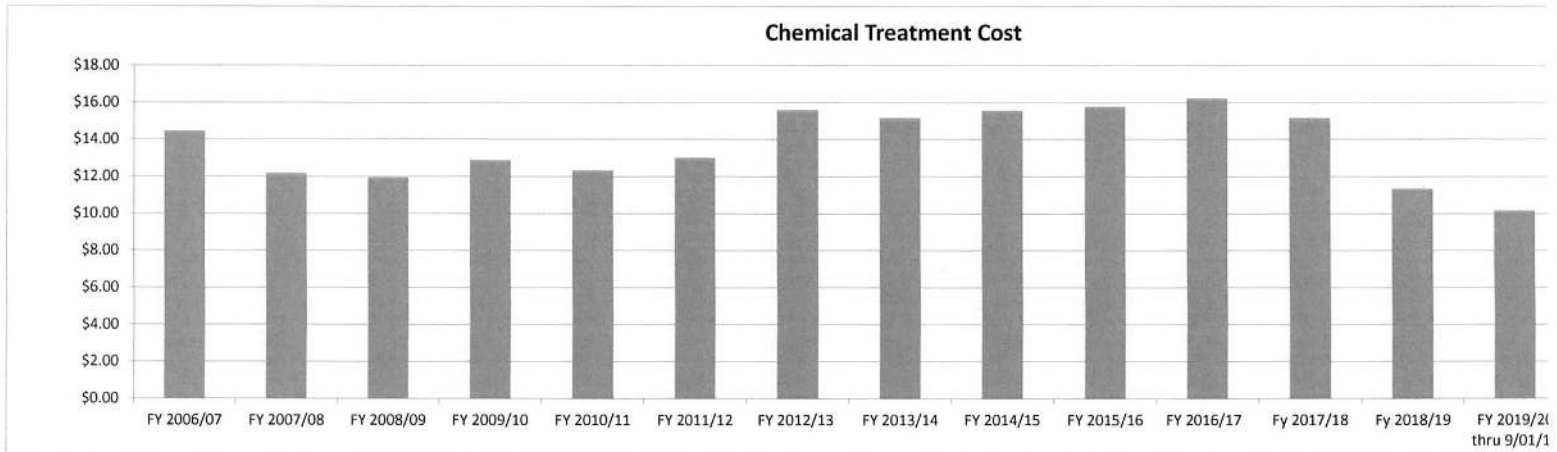
Source	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Total
Earl Schmidt	1645	1237	1154	1736	1560	458	1665	1992	1869	2622	3071	3057	22066
Rio Vista	3322	2570	1961	0	85	0	933	1910	1683	2175	2588	2577	19804
Saugus 1 and 2	289	292	272	286	275	230	288	276	277	273	267	242	3267
Total	5256	4099	3387	2022	1920	688	2886	4178	3829	5070	5926	5876	33335
Total Sold	5160	4011	3349	1947	1805	802	2735	4016	3754	4985	5823	5779	44166
RVWTP Use/Storage	17.82	60	72	9	80	-78	52.55	66.96	17.54	22.04	35.68	27.64	319.91
Total Use	5177.82	4071	3421	1956	1885	724	2787.55	4082.96	3771.54	5007.04	5858.68	5806.64	32883.91
Water Loss	-1.49%	-0.68%	1.00%	-3.26%	-1.82%	5.23%	-3.41%	-2.27%	-1.50%	-1.24%	-1.14%	-1.18%	-1.35%
Recycled Water	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Total
Valencia	17	0	0	0	2	0	10	50	36	59	76	70	320

* Water loss includes water usage at Rio Vista Water Treatment Plant facilities and system storage.

**Treatment Process
August 2019**

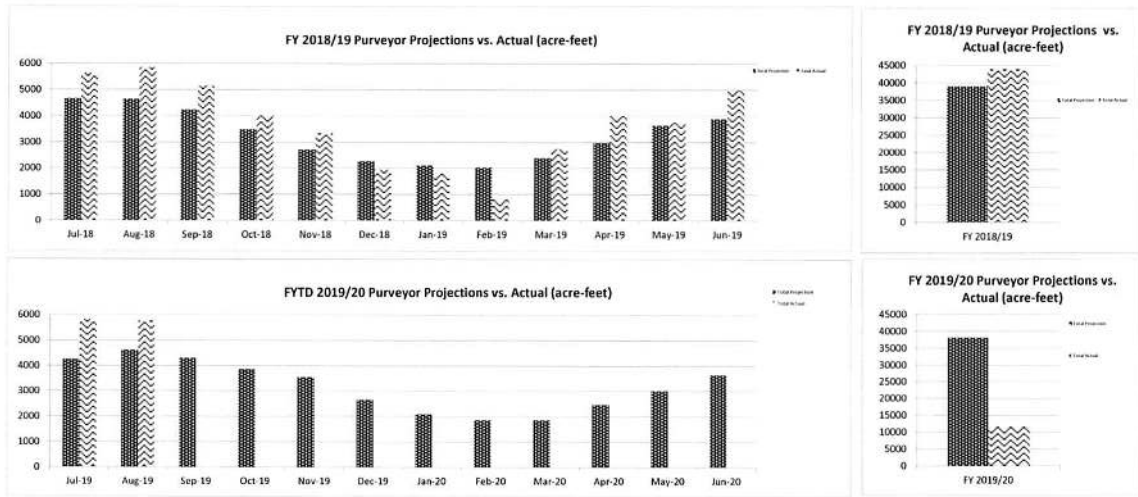
	Perchlorate Raw Water	Perchlorate Finished Water	Raw NTU	Treated NTU	Percent Reduction	Raw Ph	Adjusted pH	Ferric Chloride Dosage	Polymer Dosage	Chlorine Dosage	Ammonia Dosage
Rio Vista			1.33	0.05	96.24%	7.38	8.14	1.18	0.85	4.18	0.86
Earl Schmidt			2.45	0.08	96.73%	7.53	8.21	0.94	1.13	4.95	0.74
Saugus 1 and 2	16	<1				7.59	7.57			3.3	0.66

Chemical Treatment Cost



	FY 2006/07	FY 2007/08	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17	Fy 2017/18
Acre Feet Treated Imported Water	44,493	44,732	38,275	34,610	33,441	35,653	41,504	44,909	30,571	27,456	43,670	46,672
Chemical Cost Per Acre Foot*	\$14.46	\$12.19	\$11.95	\$12.89	\$12.35	\$13.04	\$15.62	\$15.20	\$15.60	\$15.80	\$16.24	\$15.20

* The cost per acre foot includes all chemicals used the treatment process: Chlorine Gas, Sodium Hypochlorite, Caustic Soda (Sodium Hydroxide), Ferric Chloride, Ammonia, and Cationic, non-ionic, and anionic polymers as well as the cost of liquid Oxygen, but does not include the electrical costs to produce the Ozone.



Purveyor Projections vs. Actual																
Month	SCWD Projection	SCWD Actual	%	Valencia Projection	Valencia Actual	%	Newhall Projection	Newhall Actual	%	LA County Projection	LA County Actual	%	Total Projection	Total Actual	Percentage of Estimate	
Jul-18	2453	2694	110%	1655	1921	116%	558	1023	183%	0	0	0	4666	5638	121%	
Aug-18	2453	2816	115%	1637	2026.31	124%	558	1012	181%	0	0.42	0	4648	5854.73	126%	
Sep-18	2312	2535	110%	1441	1743	121%	488	881	181%	0	0.4	0	4241	5159.4	122%	
Oct-18	1862	2174	117%	1178	1300	110%	448	537	120%	0	0	0	3488	4011	115%	
Nov-18	1445	1882	130%	908	1084	119%	356	382	107%	0	0.43	0	2709	3348.43	124%	
Dec-18	1307	1274	97%	673	459	68%	295	214	73%	0	0	0	2275	1947	86%	
Jan-19	1178	1110	94%	692	513	74%	232	181	78%	0	1.14	0	2102	1805.14	86%	
Feb-19	1200	493	41%	613	232	38%	213	76	36%	0	0.54	0	2026	801.54	40%	
Mar-19	1342	1177	88%	785	1205	154%	264	352	133%	0	0.57	0	2391	2734.57	114%	
Apr-19	1689	1770	105%	986	1819	184%	315	428	136%	0	0.05	0	2990	4017.05	134%	
May-19	2001	1632	82%	1309	1701	130%	335	422	126%	0	0	0	3645	3755	103%	
Jun-19	2025	2189	108%	1451	2193	151%	418	603	144%	0	0	0	3894	4985	128%	
FY 2018/19	21267	21746	102%	13328	16196.31	122%	4480	6111	136%	0	3.55	0	39075	44056.86	113%	
Jul-19	2301	2610	113%	1484	2491	168%	473	721	152%	0	2	0	4258	5823	137%	
Aug-19	2617	2743	105%	1499	2518	168%	511	518	101%	0	0	0	4627	5779	125%	
Sep-19	2439		0%	1363		0%	511		0%	0	0	0	4313	0	0%	
Oct-19	2124		0%	1278		0%	473		0%	0	0	0	3875	0	0%	
Nov-19	2002		0%	1143		0%	396		0%	0	0	0	3541	0	0%	
Dec-19	1471		0%	824		0%	358		0%	0	0	0	2653	0	0%	
Jan-20	1149		0%	621		0%	320		0%	0	0	0	2090	0	0%	
Feb-20	866		0%	677		0%	320		0%	0	0	0	1863	0	0%	
Mar-20	831		0%	708		0%	320		0%	0	0	0	1859	0	0%	
Apr-20	1311		0%	799		0%	358		0%	0	0	0	2468	0	0%	
May-20	1526		0%	1084		0%	396		0%	0	0	0	3006	0	0%	
Jun-20	1872		0%	1286		0%	473		0%	0	0	0	3631	0	0%	
FY 2019/20	20509	5353	26%	12766	5009	39%	4909	1239	25%	0	2	0	38184	11602	30%	

SANTA CLARITA VALLEY WATER AGENCY
Record of Weather Observations
 August 2019

DATE	High Temperature	Low Temperature	Precipitation 2019	Precipitation 2018
1-Aug	95	56	0.00	0.00
2-Aug	98	55	0.00	0.00
3-Aug	97	57	0.00	0.00
4-Aug	97	58	0.00	0.00
5-Aug	100	57	0.00	0.00
6-Aug	102	60	0.00	0.00
7-Aug	88	58	0.00	0.00
8-Aug	91	56	0.00	0.00
9-Aug	89	54	0.00	0.00
10-Aug	86	54	0.00	0.00
11-Aug	88	61	0.00	0.00
12-Aug	89	56	0.00	0.00
13-Aug	95	54	0.00	0.00
14-Aug	99	55	0.00	0.00
15-Aug	98	55	0.00	0.00
16-Aug	91	60	0.00	0.00
17-Aug	84	57	0.00	0.00
18-Aug	85	56	0.00	0.00
19-Aug	89	54	0.00	0.00
20-Aug	93	53	0.00	0.00
21-Aug	97	56	0.00	0.00
22-Aug	90	58	0.00	0.00
23-Aug	85	59	0.00	0.00
24-Aug	93	58	0.00	0.00
25-Aug	95	59	0.00	0.00
26-Aug	94	62	0.00	0.00
27-Aug	94	63	0.00	0.00
28-Aug	89	60	0.00	0.00
29-Aug	96	61	0.00	0.00
30-Aug	95	61	0.00	0.00
31-Aug	100	56	0.00	0.00

TOTAL			0.00	0.00
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		2018-2019	2017-2018
<i>Total Precipitation of Current Month</i>		0.00	0.00
<i>Total Precipitation End of Previous Month</i>		27.65	11.13
Total Precipitation Since October 1st		27.65	11.13
<i>Temperature Averages for Current Month</i>	HIGH	93.0	92.6
	LOW	57.4	61.5

Santa Clarita Valley Water Agency
Summary of Annual Precipitation
October 1st through September 30th
(Total in Inches)

	<i>1997-98</i>	<i>1998-99</i>	<i>1999-00</i>	<i>2000-01</i>	<i>2001-02</i>	<i>2002-03</i>	<i>2003-04</i>	<i>2004-05</i>	<i>2005-06</i>	<i>2006-07</i>	<i>2007-08</i>
Oct	0.00	0.33	0.00	1.13	0.22	0.00	1.10	4.79	1.91	0.42	0.25
Nov	3.73	1.39	0.00	0.00	3.18	3.01	0.63	0.64	0.59	0.05	0.50
Dec	6.72	1.39	0.05	0.00	1.30	5.85	2.57	8.54	0.14	0.83	2.67
Jan	3.49	2.08	1.21	5.84	1.55	0.00	0.65	17.06	3.27	1.66	17.54
Feb	22.00	0.65	9.43	10.76	0.51	9.03	8.07	16.69	3.78	1.38	1.82
Mar	5.15	3.00	3.15	3.38	0.38	2.38	0.37	2.70	5.68	0.17	0.10
Apr	2.28	3.78	2.10	2.56	0.05	2.35	0.20	1.42	4.22	0.71	0.07
May	5.50	0.00	0.00	0.00	0.12	1.70	0.00	0.45	0.99	0.00	0.17
Jun	0.06	0.48	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Jul	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.04	0.00
Aug	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
Sep	0.21	0.01	0.00	0.00	0.02	0.00	0.00	0.17	0.00	1.32	0.00
TOTAL	49.14	13.11	16.25	23.67	7.34	24.34	13.59	52.55	20.58	6.58	23.12
	<i>2008-09</i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>	<i>2014-15</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>
Oct	0.09	4.04	1.34	1.97	0.15	0.11	0.32	0.17	0.43	0.00	0.52
Nov	1.78	0.08	1.87	2.50	2.20	1.41	0.64	0.21	1.49	0.06	1.87
Dec	3.01	4.28	11.97	1.19	1.54	0.37	6.16	0.49	3.44	0.01	2.77
Jan	0.69	9.13	0.96	1.23	1.94	0.06	1.44	6.07	10.30	3.18	8.08
Feb	6.78	4.96	5.36	0.13	0.42	5.26	0.74	0.69	8.98	0.35	8.56
Mar	1.18	0.69	8.86	4.99	1.21	1.64	1.09	2.75	0.33	7.50	4.15
Apr	0.07	2.40	0.12	4.02	0.00	0.31	0.16	0.37	0.09	0.02	0.09
May	0.01	0.07	0.74	0.01	0.74	0.00	0.66	0.09	0.26	0.01	1.60
Jun	0.03	0.00	0.04	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
Jul	0.00	0.00	0.01	0.00	0.08	0.02	0.87	0.00	0.01	0.00	0.00
Aug	0.00	0.00	0.00	0.01	0.00	0.05	0.00	0.02	0.07	0.00	0.00
Sep	0.00	0.00	0.00	0.02	0.00	0.00	0.78	0.00	0.13	0.02	
TOTAL	13.64	25.65	31.27	16.07	8.28	9.23	12.87	10.87	25.53	11.15	27.65

SANTA CLARITA VALLEY WATER AGENCY
WATER PRODUCTION BY WELL 2019 (ACRE-FEET)

NEWHALL WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
N12	85	72	17	60	41	0	147	191	0	0	0	0	613
N13	95	79	21	139	108	168	78	222	0	0	0	0	909
C1	21	13	3	23	31	36	46	56	0	0	0	0	229
C2	6	5	0	13	18	20	24	11	0	0	0	0	98
C7	22	18	4	29	40	47	59	75	0	0	0	0	294
P1	0	0	0	0	0	0	0	0	0	0	0	0	0
P3	0	0	0	0	0	0	0	0	0	0	0	0	0
P4	0	0	0	0	0	0	0	0	0	0	0	0	0
P5	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL NWD	229	187	45	265	238	271	353	555	0	0	0	0	2143

SANTA CLARITA WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
LOST CANYON NO.2	0	8	0	0	0	14	44	47	0	0	0	0	113
LOST CANYON NO.2A	0	24	1	30	59	50	85	101	0	0	0	0	350
SAND CANYON	3	29	1	38	69	91	91	94	0	0	0	0	416
MITCHELL 5A	0	0	0	0	0	0	0	0	0	0	0	0	0
MITCHELL 5B	0	0	0	0	0	0	1	1	0	0	0	0	2
SIERRA	15	54	1	1	6	41	29	13	0	0	0	0	160
NORTH OAKS EAST	2	35	1	2	1	2	2	1	0	0	0	0	46
NORTH OAKS CENTRAL	2	47	2	2	1	3	3	2	0	0	0	0	62
NORTH OAKS WEST	0	0	0	0	0	0	0	0	0	0	0	0	0
HONBY	1	2	0	0	0	0	1	4	0	0	0	0	8
GUIDA	25	31	0	41	34	53	44	45	0	0	0	0	273
CLARK	19	32	0	29	25	39	32	32	0	0	0	0	208
SANTA CLARA	1	37	1	1	1	2	1	2	0	0	0	0	46
VALLEY CENTER	54	55	1	72	75	0	0	0	0	0	0	0	257
TOTAL SCWD	122	354	8	216	271	295	333	342	0	0	0	0	1941

VALENCIA WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
D	34	28	8	5	5	6	7	12	0	0	0	0	105
E15	35	21	1	6	9	8	11	14	0	0	0	0	106
N	20	36	5	25	30	37	43	58	0	0	0	0	253
N7	91	23	8	23	40	49	43	109	0	0	0	0	386
N8	39	16	2	33	27	37	100	60	0	0	0	0	314
Q2	64	52	4	20	18	0	0	0	0	0	0	0	157
T7	8	4	2	4	6	7	21	39	0	0	0	0	90
U6	2	3	2	5	6	8	33	49	0	0	0	0	107
U4	3	2	1	3	3	3	18	23	0	0	0	0	55
S6	64	74	13	33	50	64	26	0	0	0	0	0	324
S7	24	24	8	5	13	8	10	17	0	0	0	0	110
S8	9	30	4	9	9	13	2	10	0	0	0	0	86
W11	24	30	2	56	49	73	88	103	0	0	0	0	424
W9	22	9	5	39	36	41	98	92	0	0	0	0	342
W10	87	61	8	36	52	74	71	147	0	0	0	0	536
159 (GOLF COURSE IRRIGATION)	0	0	0	0	0	5	0	0	0	0	0	0	6
160 (SYSTEM)	2	2	1	1	2	1	2	3	0	0	0	0	14
160 (GOLF COURSE IRRIGATION)	10	4	19	56	45	66	90	83	0	0	0	0	374
201 (SYSTEM)	0	0	0	0	0	0	0	0	0	0	0	0	0
205	0	0	0	0	0	0	0	0	0	0	0	0	0
206	95	84	7	42	37	54	58	84	0	0	0	0	460
207	120	66	6	57	54	50	116	87	0	0	0	0	555
TOTAL VWD	752	569	106	457	491	605	834	988	0	0	0	0	4801

S1	143	116	149	146	149	142	140	117	0	0	0	0	1102
S2	132	114	139	130	128	131	127	125	0	0	0	0	1026
TOTAL S1 & S2	275	230	288	276	277	273	267	242	0	0	0	0	2128

TOTAL WELL PRODUCTION	1378	1340	447	1214	1276	1444	1787	2127	0	0	0	0	11013
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WELL 201 (NON-SYSTEM)	106	31	106	99	108	101	105	103	0	0	0	0	759
VALLEY CENTER (NON-SYSTEM)	0	0	0	0	0	0	0	0.33					0.33
Q2 (NON SYSTEM)	0	0	0	0	0	0.05	0.09	0.13					0.27

NEWHALL WATER DIVISION
WATER PRODUCTION 2019 (ACRE-FEET)

GROUNDWATER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NEWHALL SYSTEM													
N12	85	72	17	60	41	0	147	191					613
N13	95	79	21	139	108	168	78	222					909
CASTAIC SYSTEM													
C1	21	13	3	23	31	36	46	56					229
C2	6	5	0	13	18	20	24	11					98
C7	22	18	4	29	40	47	59	75					294
PINETREE SYSTEM													
P1	0	0	0	0	0	0	0	0					0
P3	0	0	0	0	0	0	0	0					0
P4	0	0	0	0	0	0	0	0					0
P5	0	0	0	0	0	0	0	0					0
S1 & S2	74	62	77	74	74	73	72	65					570
TOTAL GROUNDWATER	303	249	122	338	312	344	425	620	0	0	0	0	2714
IMPORT + S1 & S2													
NEWHALL SYSTEM													
N-3	13	1	156	109	162	216	233	73					964
CASTAIC SYSTEM													
N-1	39	18	69	76	46	67	74	73					461
PINETREE SYSTEM													
N-2	87	48	88	156	139	197	233	239					1188
TESORO SYSTEM													
N-4	41	10	40	86	75	122	180	133					687
TOTAL IMPORT + S1 & S2	181	76	352	428	422	603	721	518	0	0	0	0	3300
TOTAL GROUNDWATER (INCLUDES S1 & S2)	303	249	122	338	312	344	425	620	0	0	0	0	2714
TOTAL IMPORT (NO S1 & S2)	107	15	275	354	348	530	649	453	0	0	0	0	2730
TOTAL GROSS PRODUCTION (GW + IMPORT)	410	263	397	692	660	874	1074	1073	0	0	0	0	5443
TOTAL INTERTIE TRANSFERS	0	50	0	0	0	-13	-52	0	0	0	0	0	-15
TOTAL NET PRODUCTION	410	314	397	692	660	861	1022	1073	0	0	0	0	5428
% BY SOURCE													
GROUNDWATER	74%	79%	31%	49%	47%	40%	42%	58%					50%
IMPORT	26%	5%	69%	51%	53%	62%	64%	42%					50%
INTERTIE	0%	16%	0%	0%	0%	-2%	-5%	0%					0%

**SANTA CLARITA WATER DIVISION
WATER PRODUCTION 2019 (ACRE-FEET)**

GROUNDWATER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
LOST CANYON NO.2	0	8	0	0	0	14	44	47					113
LOST CANYON NO.2A	0	24	1	30	59	50	85	101					350
SAND CANYON	3	29	1	38	69	91	91	94					416
MITCHELL 5A	0	0	0	0	0	0	0	0					0
MITCHELL 5B	0	0	0	0	0	0	1	1					2
SIERRA	15	54	1	1	6	41	29	13					160
NORTH OAKS EAST	2	35	1	2	1	2	2	1					46
NORTH OAKS CENTRAL	2	47	2	2	1	3	3	2					62
NORTH OAKS WEST	0	0	0	0	0	0	0	0					0
HONBY	1	2	0	0	0	0	1	4					8
GUIDA	25	31	0	41	34	53	44	45					273
CLARK	19	32	0	29	25	39	32	32					208
SANTA CLARA	1	37	1	1	1	2	1	2					46
VALLEY CENTER	54	55	1	72	75	0	0	0					257
TOTAL ALLUVIUM	122	354	8	216	271	295	333	342	0	0	0	0	1941
SAUGUS WELLS S1 & S2	201	168	211	202	203	200	196	177					1557
TOTAL GROUNDWATER	323	522	219	418	474	495	529	519	0	0	0	0	3498
IMPORT + S1 & S2	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
SC-1 BOUQUET	191	83	175	136	143	171	233	302					1433
SC-2 HONBY	179	2	126	166	171	250	307	341					1543
SC-3 WILEY	50	52	52	93	79	111	185	199					821
SC-4 HONBY #2	200	119	284	320	354	520	614	599					3009
SC-5 RIO VISTA	0	0	38	194	204	250	237	233					1156
SC-6 LOST CANYON	55	68	26	219	95	126	200	215					1004
SC-7	26	12	50	52	52	110	117	123					542
SC-8	79	20	112	131	215	303	324	327					1511
SC-9	40	50	70	85	46	52	130	173					647
SC-10	35	17	76	172	67	25	24	24					440
SC-11	38	2	17	0	6	2	5	7					77
SC-12	180	66	115	140	125	166	176	172					1139
SC-13	37	1	37	62	73	104	59	27					399
TOTAL IMPORT + S1 & S2	1110	493	1,177	1,770	1,632	2,189	2,610	2,743	0	0	0	0	13,723
METERING ADJUSTMENT	-9	-5	0	0	0	-3	0	-0.17					-18
NET IMPORT + S1 & S2	1,100	488	1,177	1,770	1,632	2,186	2,610	2,742	0	0	0	0	13,705
TOTAL GROUNDWATER (INCLUDES S1 & S2)	323	522	219	418	474	495	529	519	0	0	0	0	3498
TOTAL IMPORT (NO S1 & S2)	908	324	967	1,568	1,429	1,989	2,415	2,566	0	0	0	0	12,166
TOTAL GROSS PRODUCTION (GW + IMPORT)	1,232	847	1,185	1,986	1,903	2,484	2,943	3,085	0	0	0	0	15,664
TOTAL INTERTIE TRANSFERS	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL NET PRODUCTION	1,232	847	1,185	1,986	1,903	2,484	2,943	3,085	0	0	0	0	15,664
% BY SOURCE													
GROUNDWATER	26%	62%	18%	21%	25%	20%	18%	17%					22%
IMPORT	74%	38%	82%	79%	75%	80%	82%	83%					78%
INTERTIE	0%	0%	0%	0%	0%	0%	0%	0%					0%
VALLEY CENTER (NON-SYSTEM) *	0	0	0	0	0	0	0	0.33					0.33

* Not used in the calculation for % by Source

VALENCIA WATER DIVISION
WATER PRODUCTION 2019 (ACRE-FEET)

ALLUVIUM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
D	34	28	8	5	5	6	7	12					105
E15	35	21	1	6	9	8	11	14					106
N	20	36	5	25	30	37	43	58					253
N7	91	23	8	23	40	49	43	109					386
N8	39	16	2	33	27	37	100	60					314
Q2	64	52	4	20	18	0	0	0					157
T7	8	4	2	4	6	7	21	39					90
U6	2	3	2	5	6	8	33	49					107
U4	3	2	1	3	3	3	18	23					55
S6	64	74	13	33	50	64	28	0					324
S7	24	24	8	5	13	8	10	17					110
S8	9	30	4	9	9	13	2	10					86
W11	24	30	2	56	49	73	88	103					424
W9	22	9	5	39	36	41	98	92					342
W10	87	61	8	36	52	74	71	147					536
TOTAL ALLUVIUM	525	412	73	302	353	428	568	731	0	0	0	0	3393
SAUGUS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
159	0	0	0	0	0	5	0	0					6
160 - DOM	2	2	1	1	2	1	2	3					14
160 - VGC*	10	4	19	56	45	66	90	83					374
201	0	0	0	0	0	0	0	0					0
205	0	0	0	0	0	0	0	0					0
206	95	84	7	42	37	54	58	84					460
207	120	66	6	57	54	50	116	87					555
TOTAL SAUGUS	226	157	33	156	138	177	265	257	0	0	0	0	1408
IMPORT WATER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
V-1	83	23	115	160	204	240	323	351					1498
V-2	65	42	180	351	289	427	452	454					2259
V-4	25	14	154	251	229	266	311	330					1580
V-5	96	63	180	143	159	307	447	461					1856
V-6	99	37	84	60	67	67	70	96					580
V-7	18	8	61	160	115	148	150	124					783
V-8	128	46	431	694	637	738	738	701					4113
TOTAL IMPORT	513	232	1205	1,819	1,701	2,193	2,491	2,518	0	0	0	0	12,670
TOTAL GROUNDWATER	752	569	106	457	491	605	834	988	0	0	0	0	4,801
TOTAL IMPORT	513	232	1,205	1,819	1,701	2,193	2,491	2,518	0	0	0	0	12,670
TOTAL GROSS PRODUCTION	1,265	801	1,311	2,276	2,192	2,797	3,324	3,506	0	0	0	0	17,471
TOTAL INTERTIE TRANSFERS	0	-50	0	0	0	13	52	0	0	0	0	0	15
TOTAL NET PRODUCTION	1,265	751	1,311	2,276	2,192	2,811	3,377	3,506	0	0	0	0	17,486
% BY SOURCE													
GROUNDWATER	59%	71%	7%	18%	21%	20%	23%	26%					26%
IMPORT WATER	41%	29%	93%	82%	79%	80%	77%	74%					74%
INTERTIE	0%	-7%	0%	0%	0%	0%	2%	0%					0%
RECYCLED WATER	2	0	10	50	38	59	76	70					302
Well 201 Discharge *	106	31	106	99	108	101	105	103					759
Well Q2 Non-System *	0	0	0	0	0	0.05	0.09	0.13					0.27

*Not used in the calculation for % by source

LOS ANGELES COUNTY WATERWORKS DISTRICT 36

SOURCE

TURNOUT	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	TOTAL
LA 1	0.0491	0	0.0276	0.046	0	0.00	0	0					0.12
LA 2	1.0925	0.5371	0.5432	0	0	0.00	1.989	0.3744					4.54
TOTAL	1.1416	0.5371	0.5708	0.046	0	0	1.989	0.3744	0	0	0	0.00	4.66

RAW WATER

SOURCE	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	TOTAL
RVTP	85	0	933	1,910	1683	2175	2,588	2,577					11,950.55
ESTP	1,560	458	1,665	1,992	1869	2622	3,071	3,057					16,293.70
Wells	275	230	288	276	277	273	267	242					2,127.55
TOTAL	1,920	688	2,886	4,178	3,828	5,071	5,926	5,875	0	0	0	0	30,371.80

S1/S2 TREATMENT

SOURCE	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	TOTAL
S1	143.2	115.9	148.82	145.9	148.67	142.1	139.7	117.34					1101.65
S2	131.98	114.01	138.91	129.74	128.26	131.08	127.4	124.54					1025.90
TOTAL	275.17	229.91	287.73	275.65	276.93	273.18	267.1	241.88	0	0	0	0	2127.55



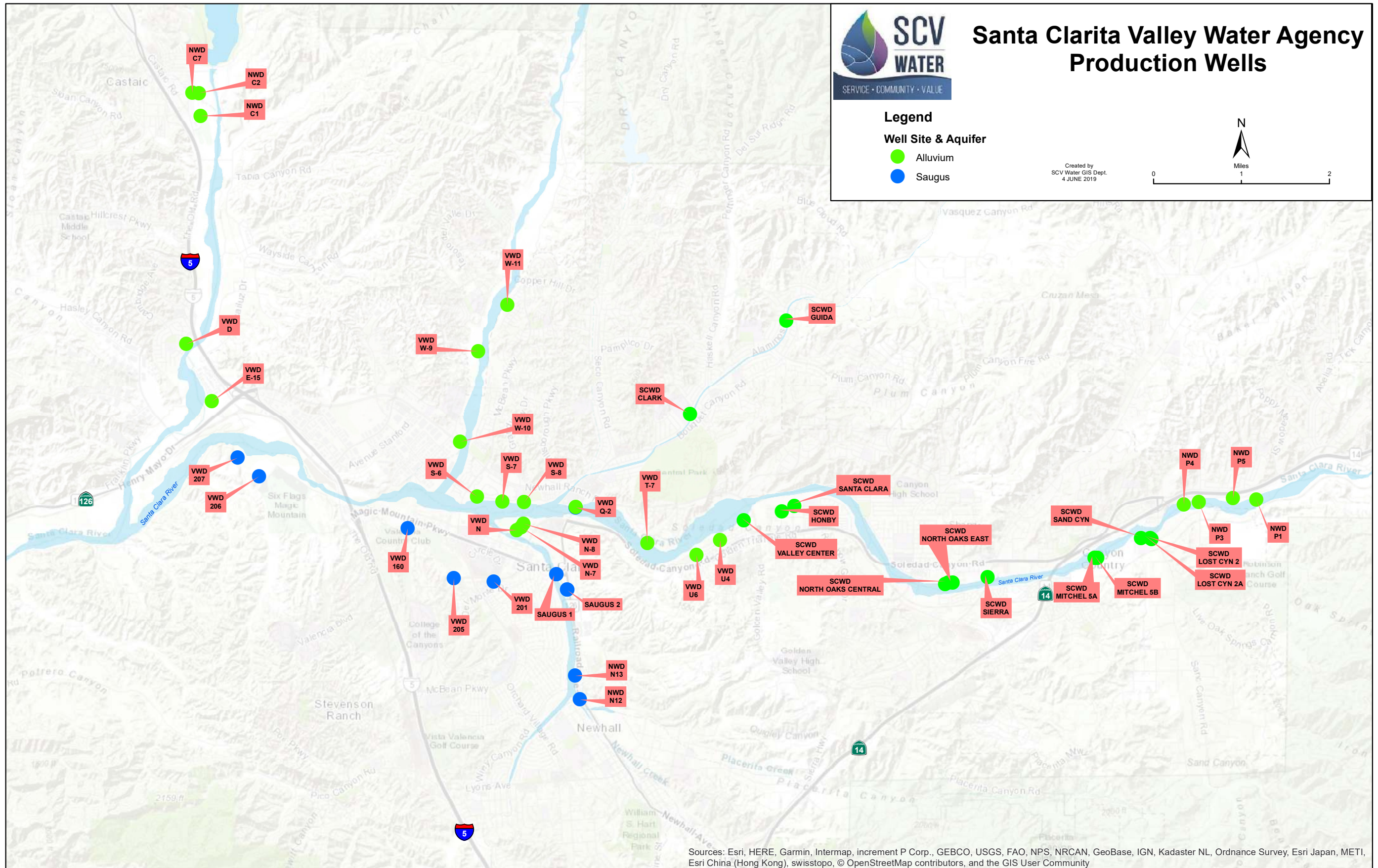
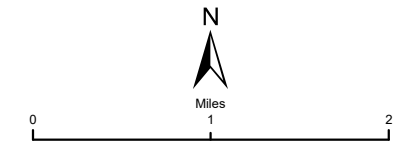
Santa Clarita Valley Water Agency Production Wells

Legend

Well Site & Aquifer

- Alluvium
- Saugus

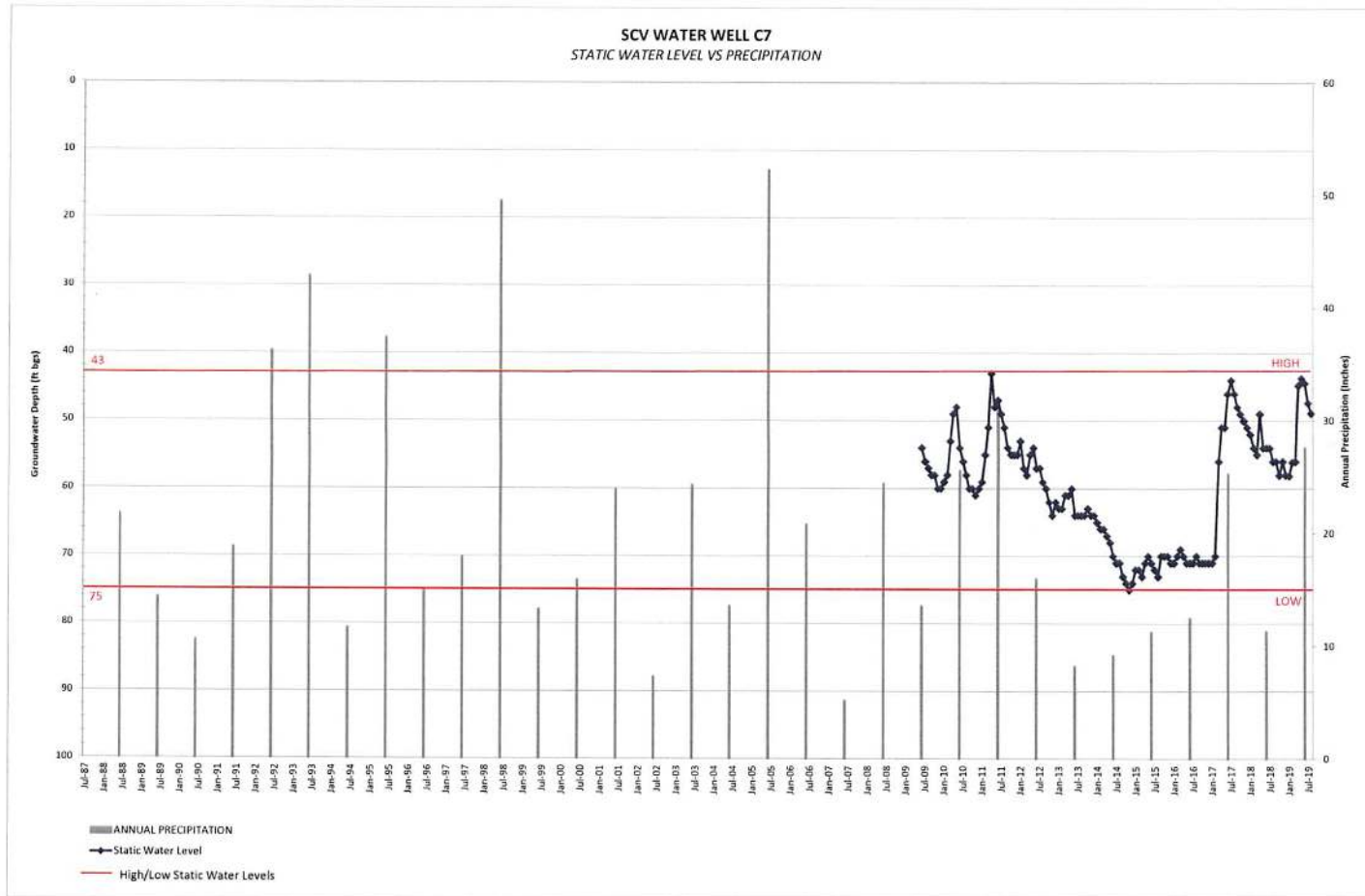
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SCV Water GIS Dept.
4 JUNE 2019

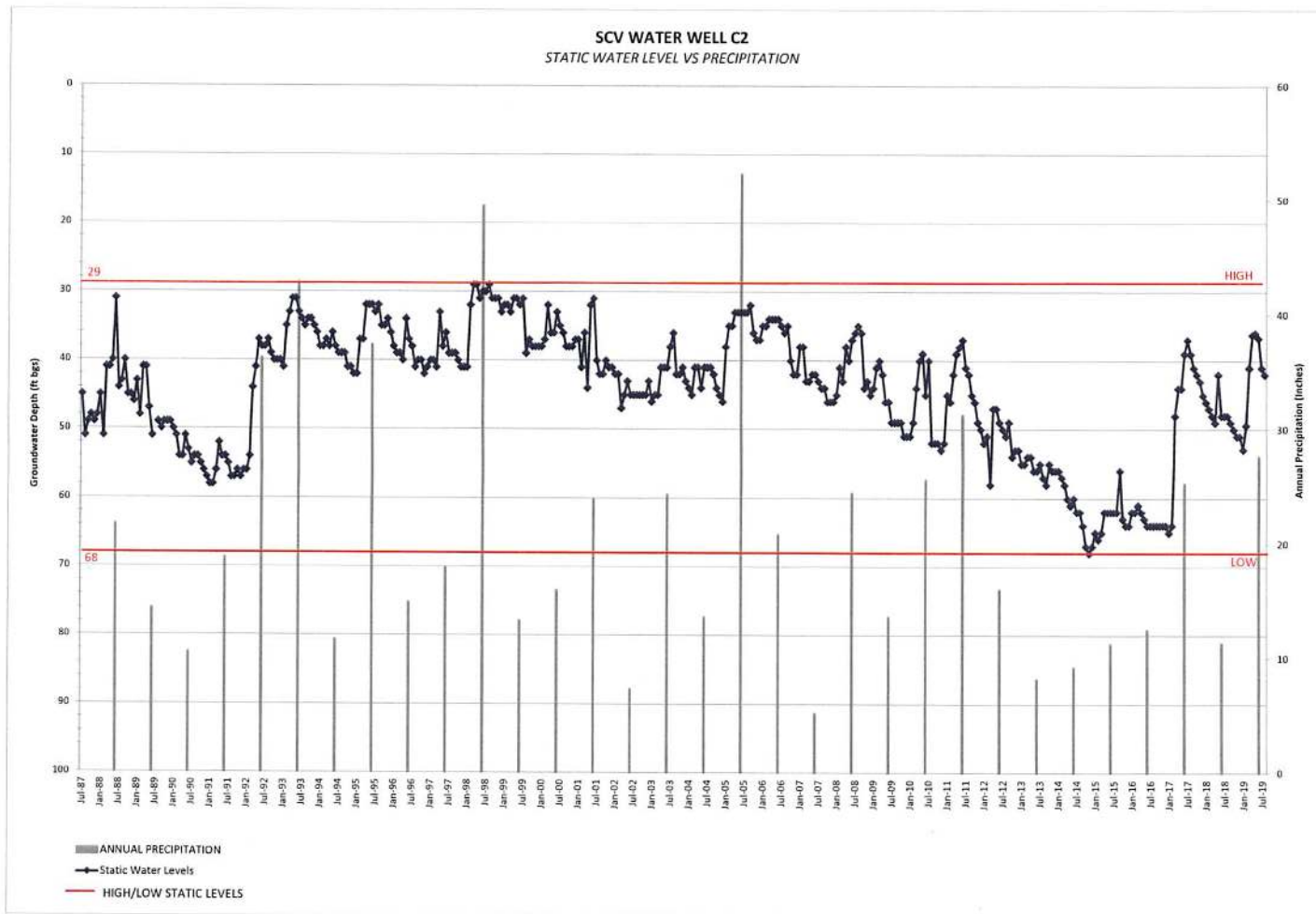


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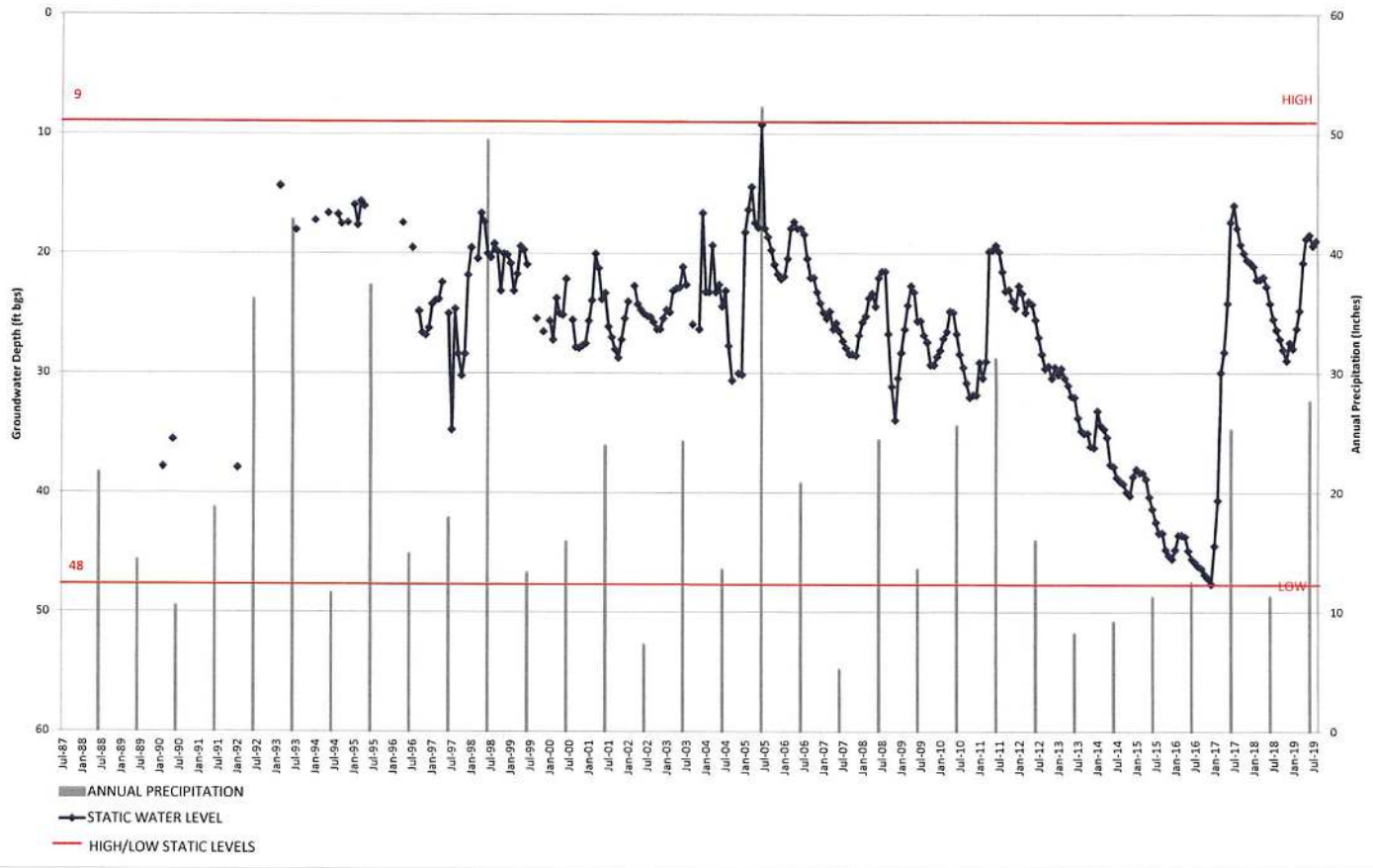
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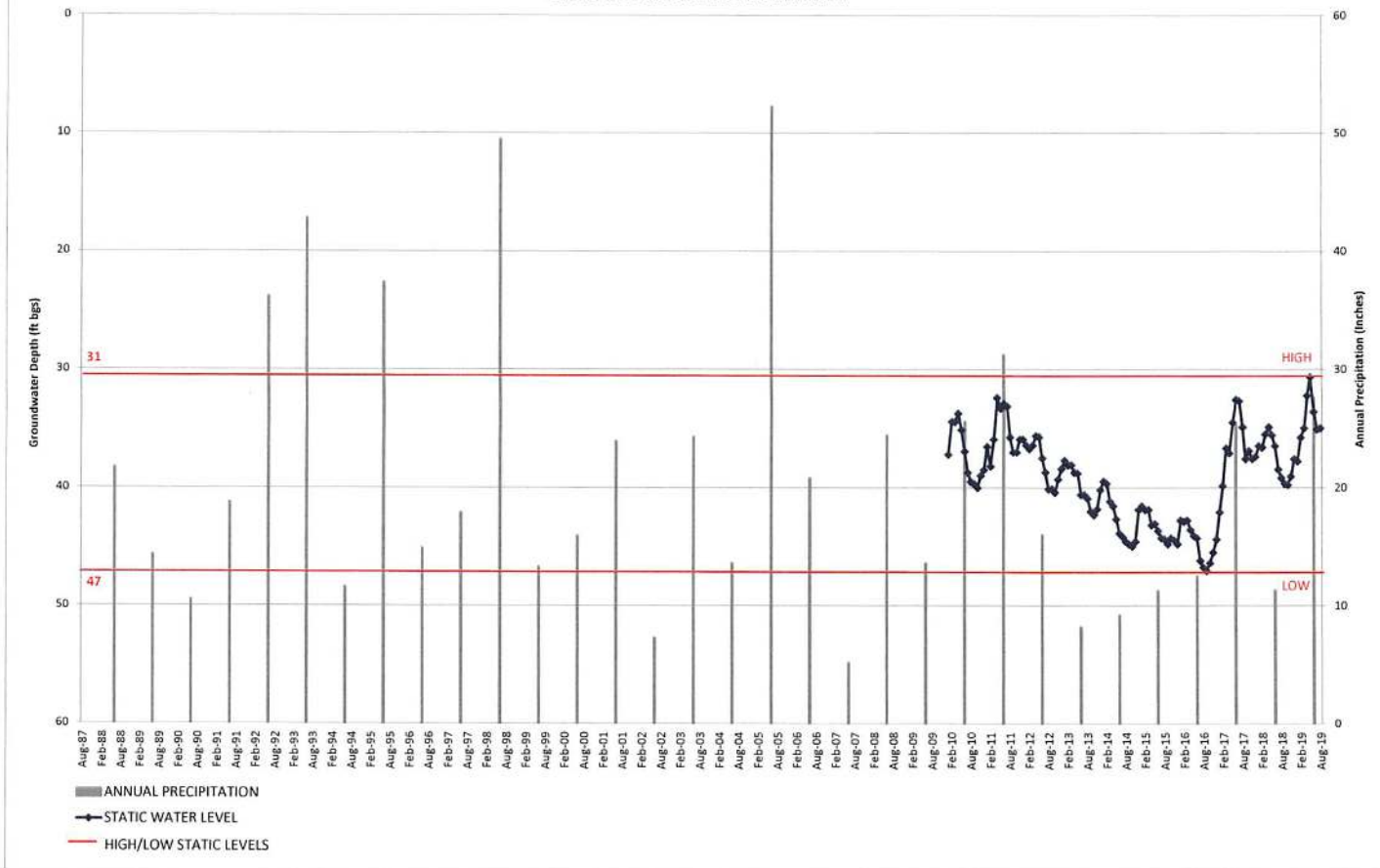




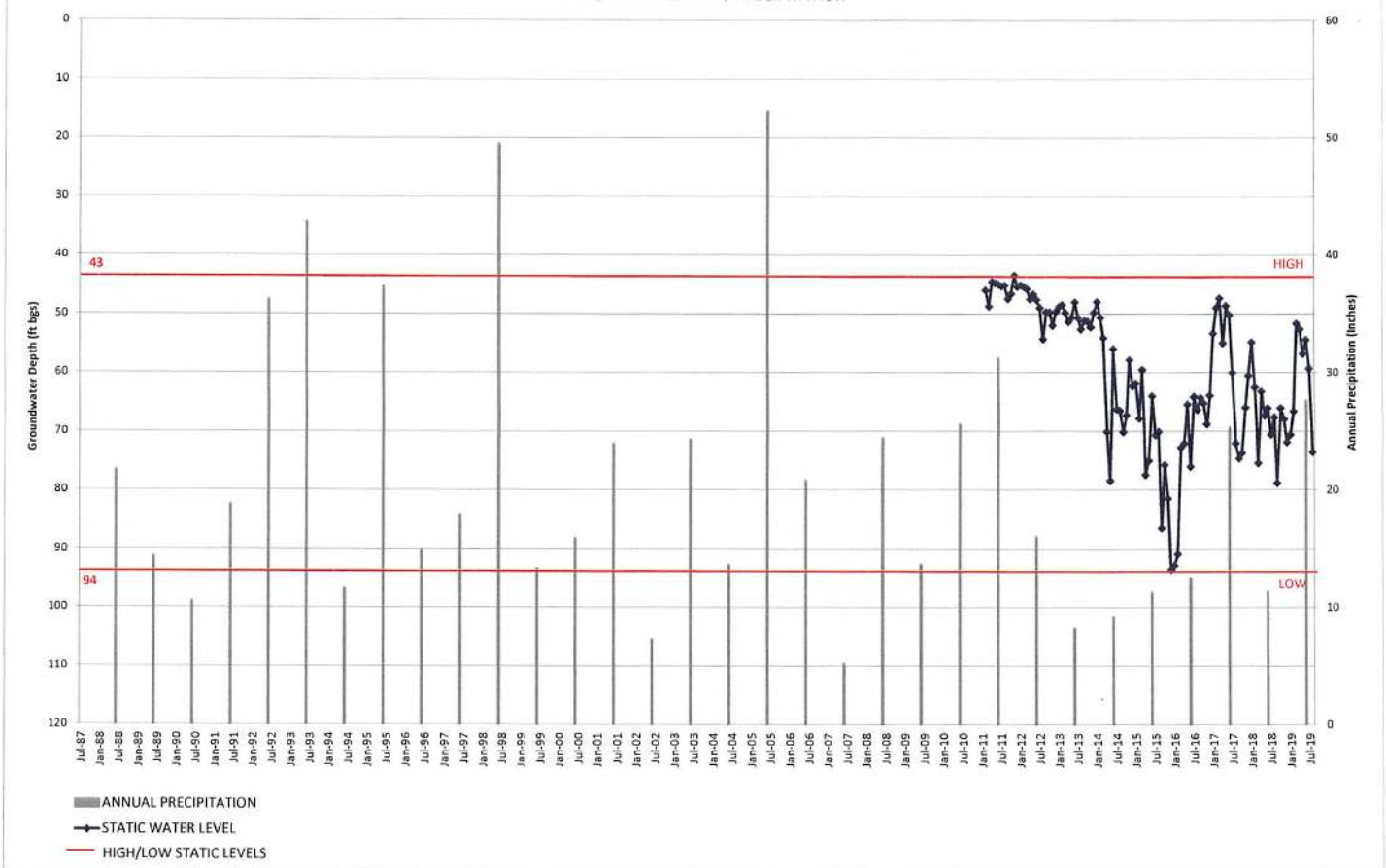
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STATIC WATER LEVEL VS PRECIPITATION

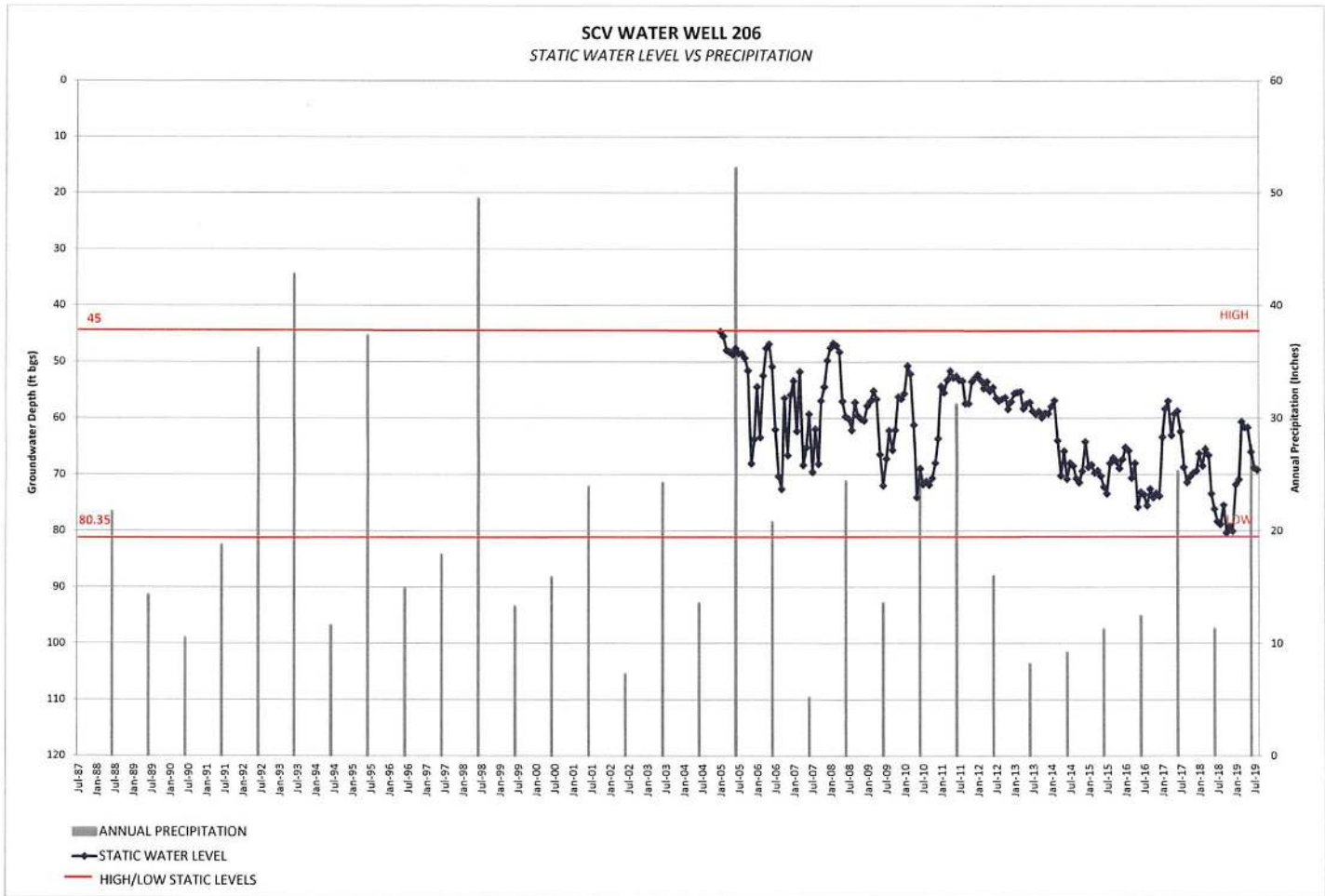


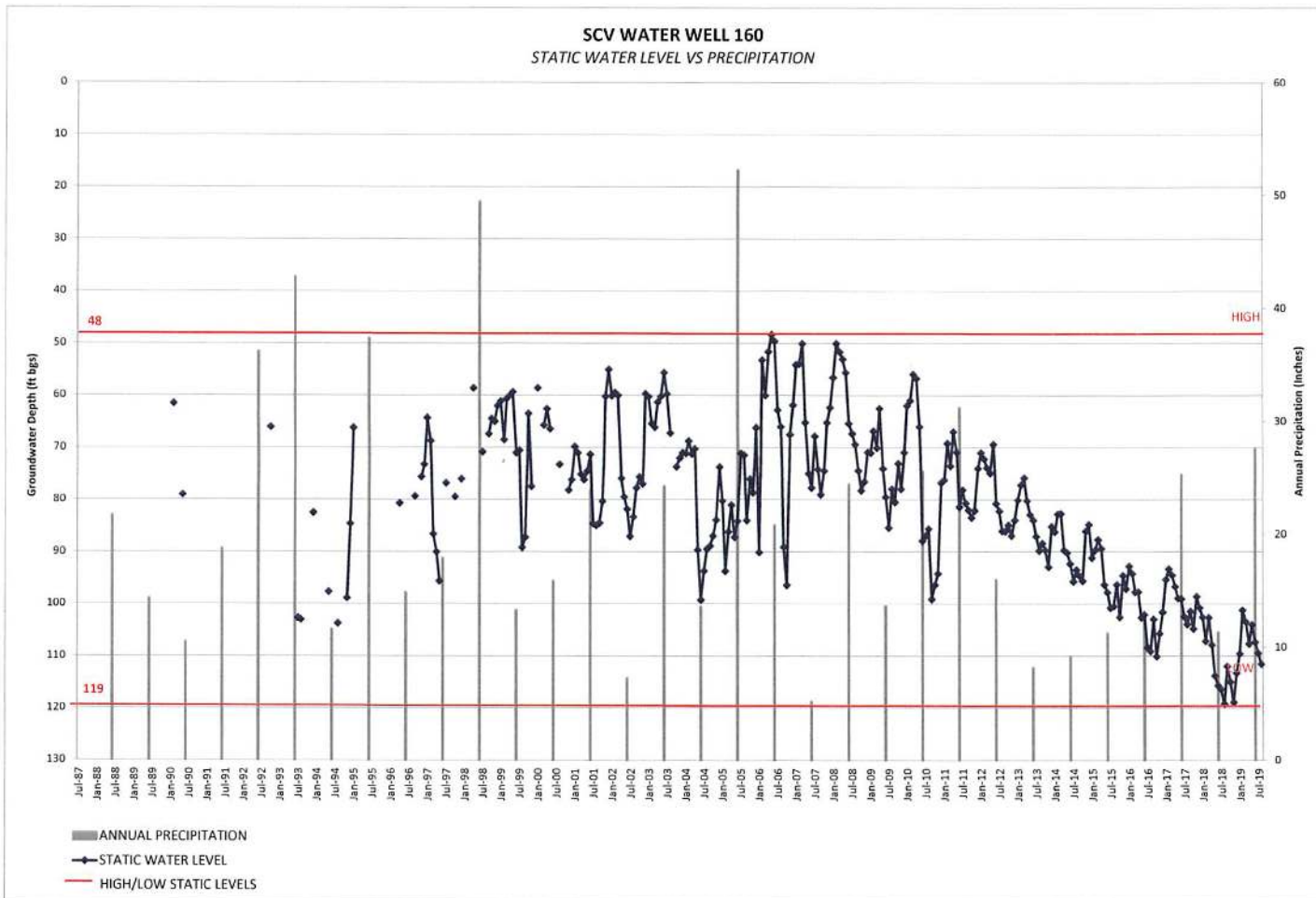
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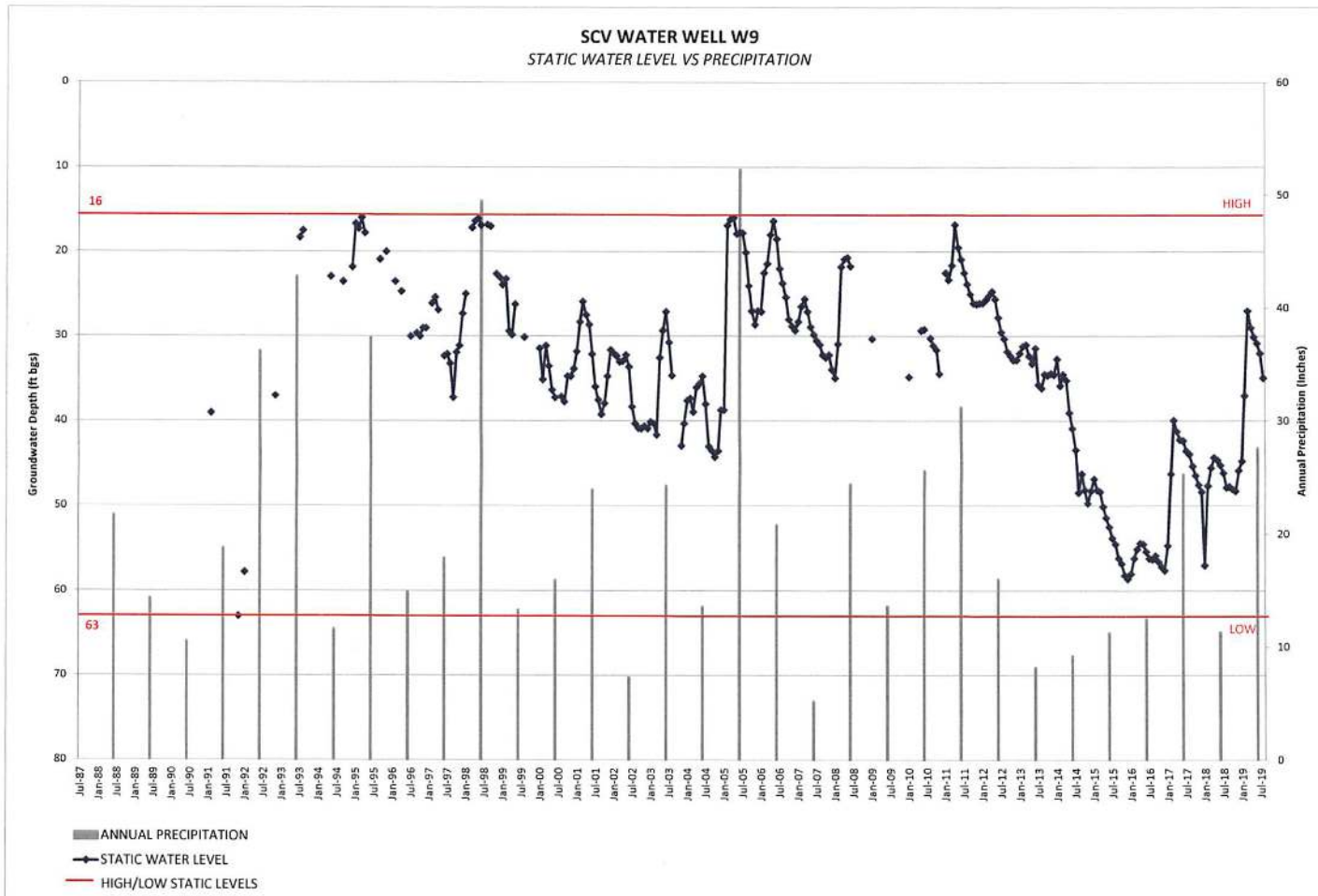


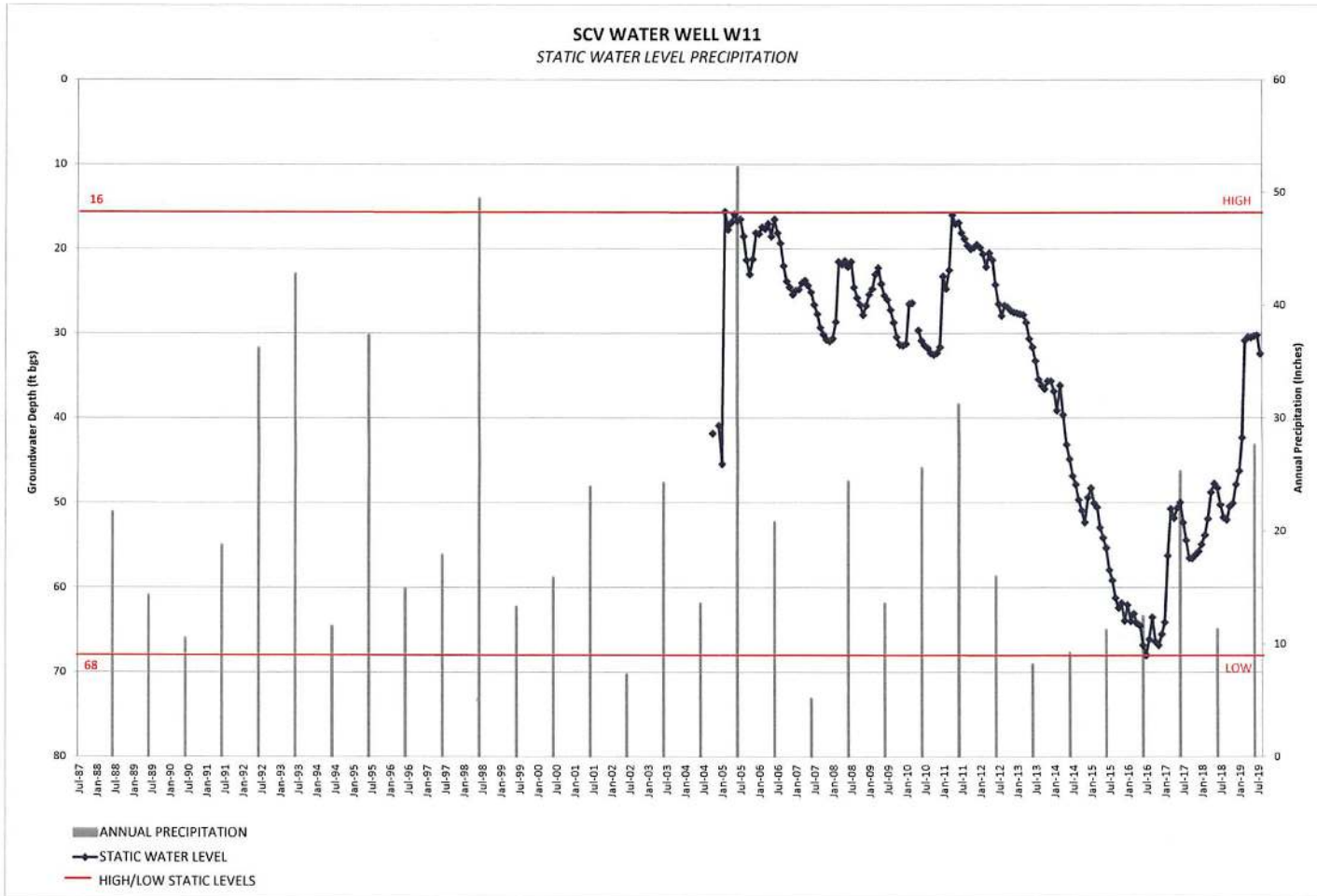
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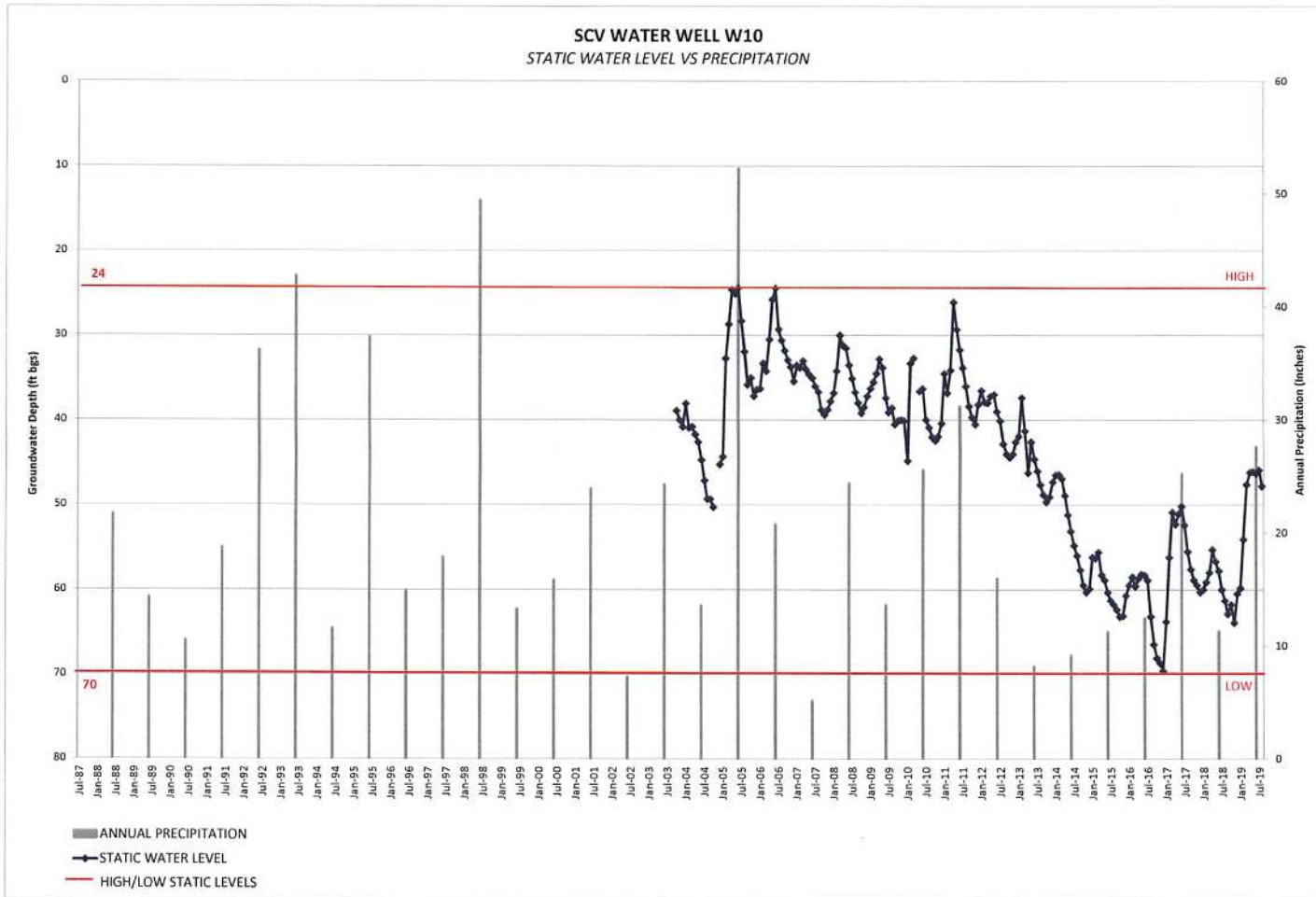


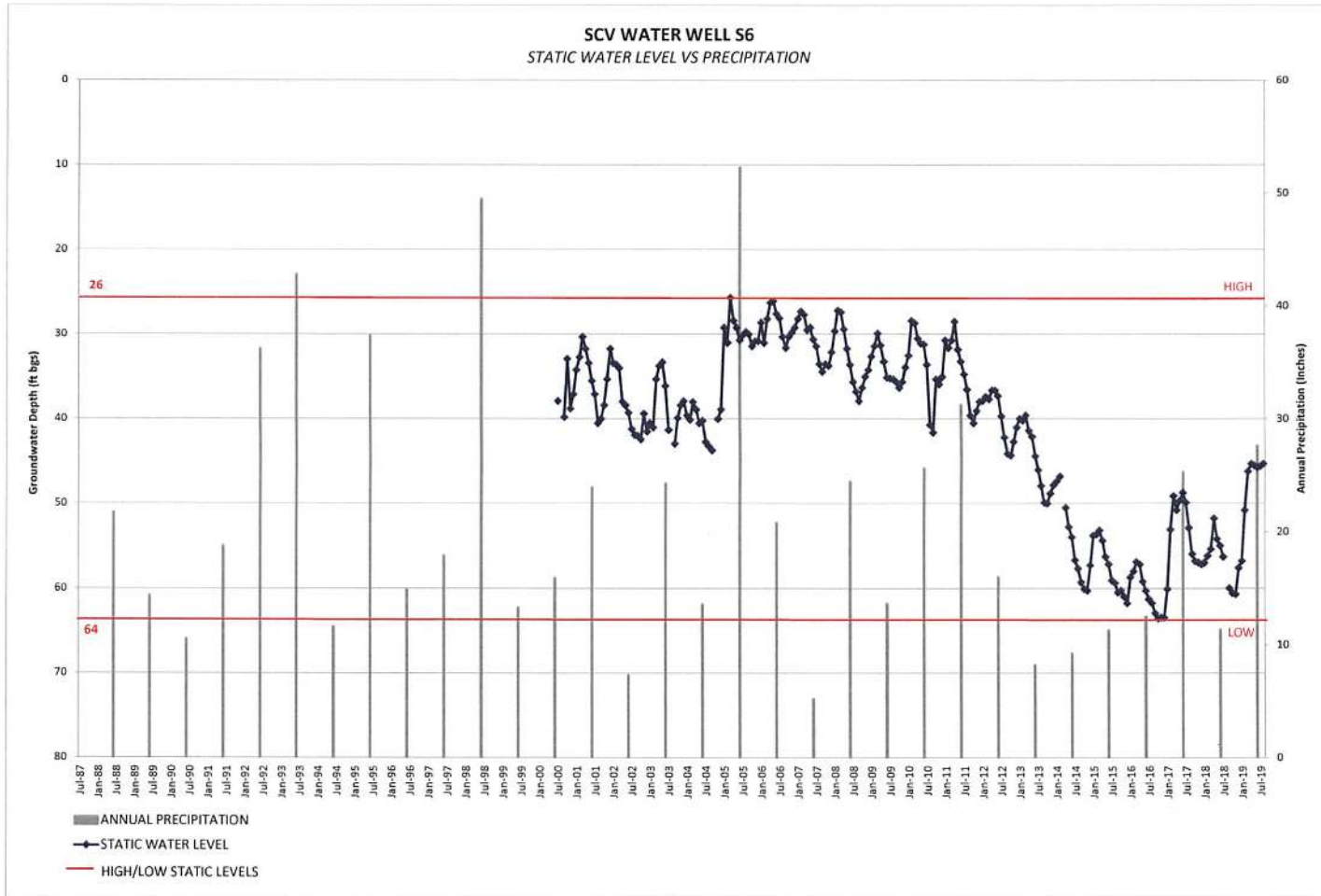


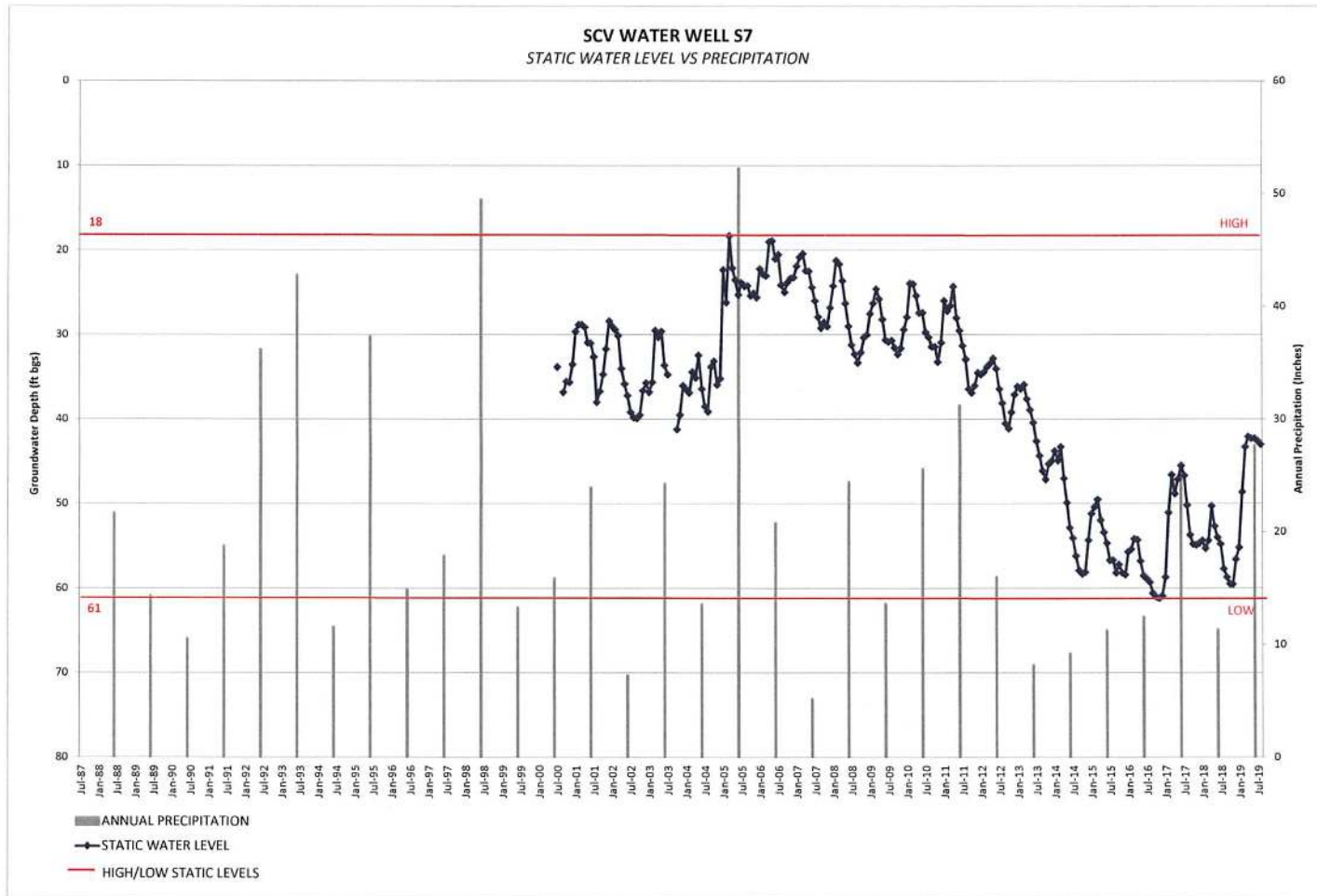


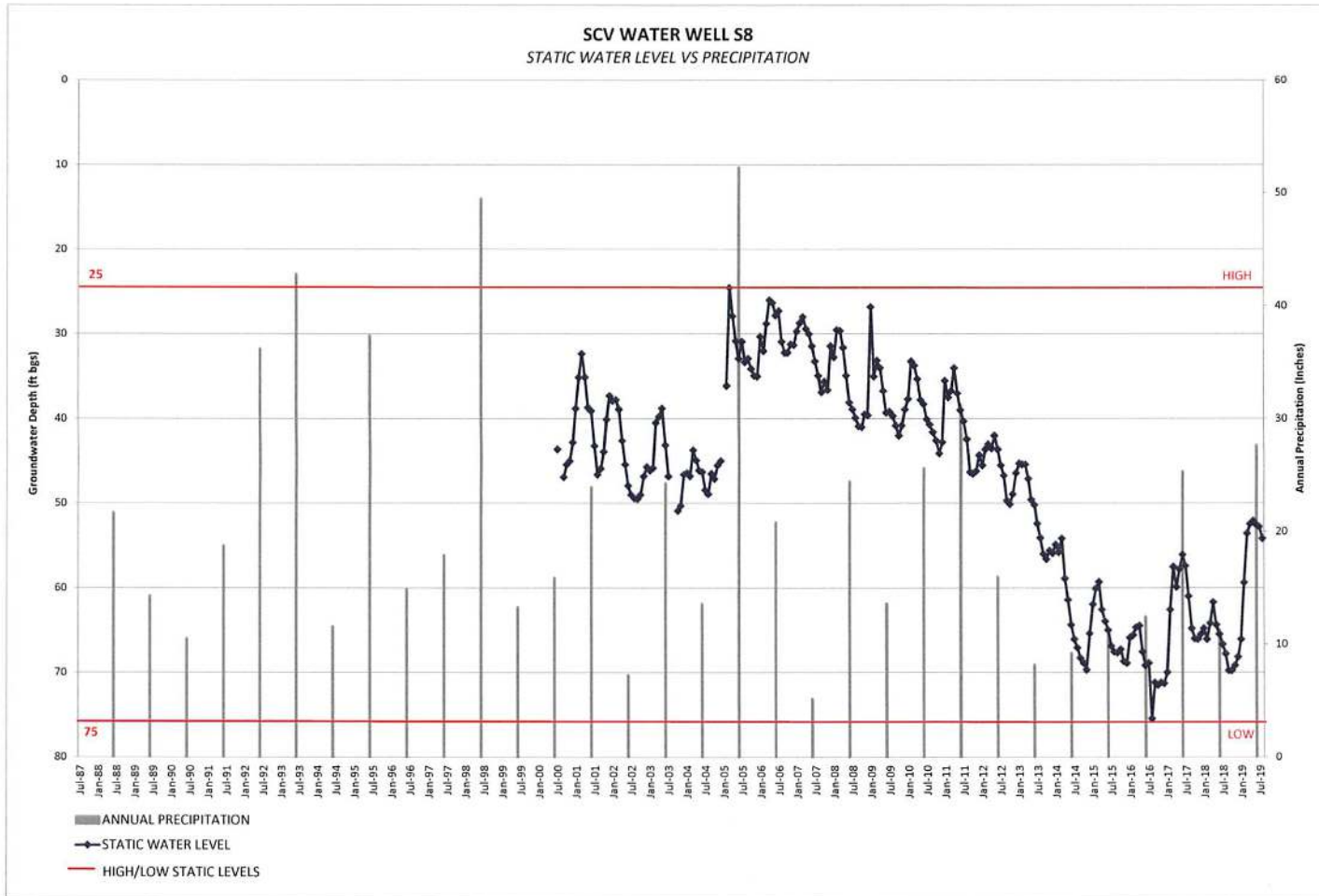


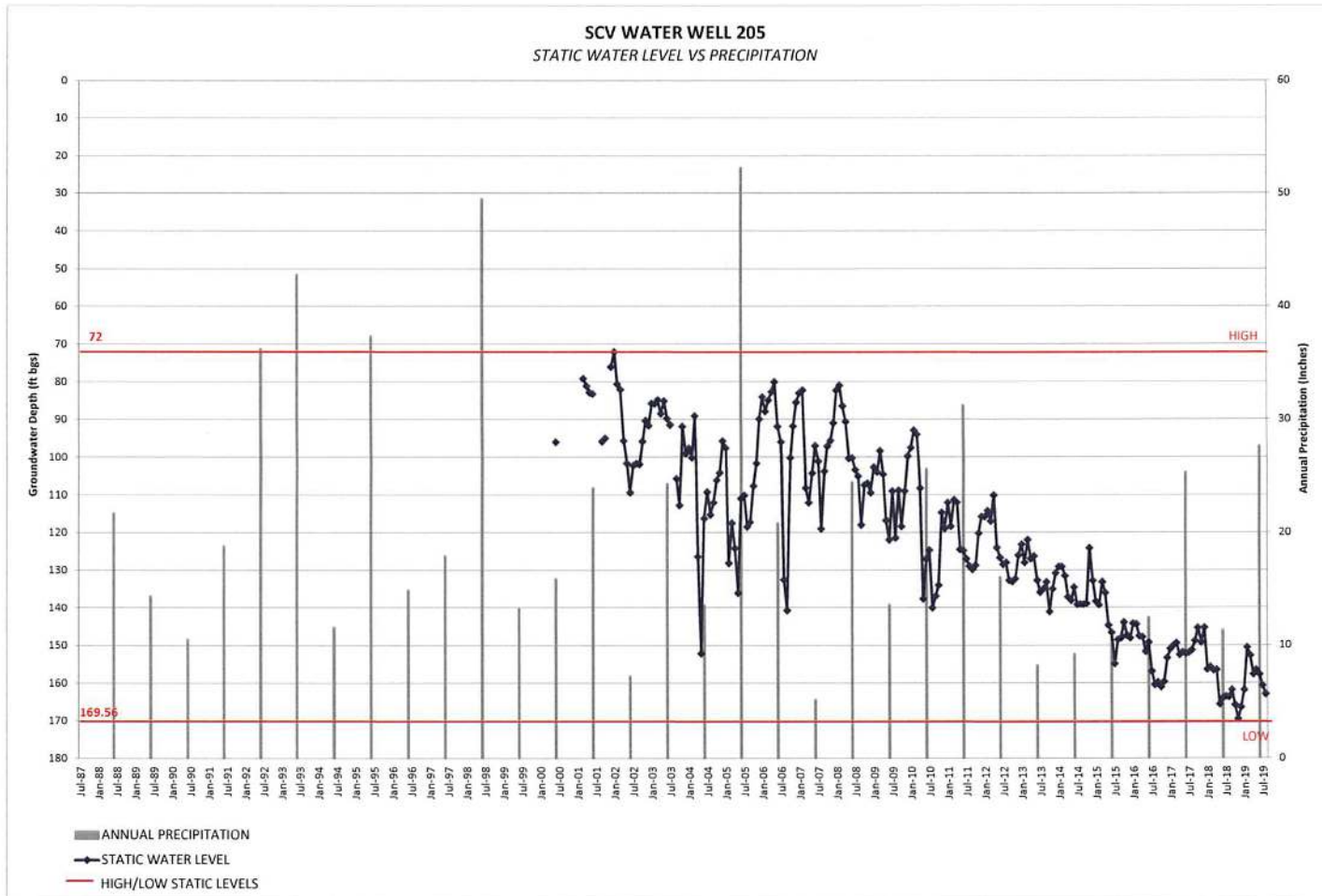


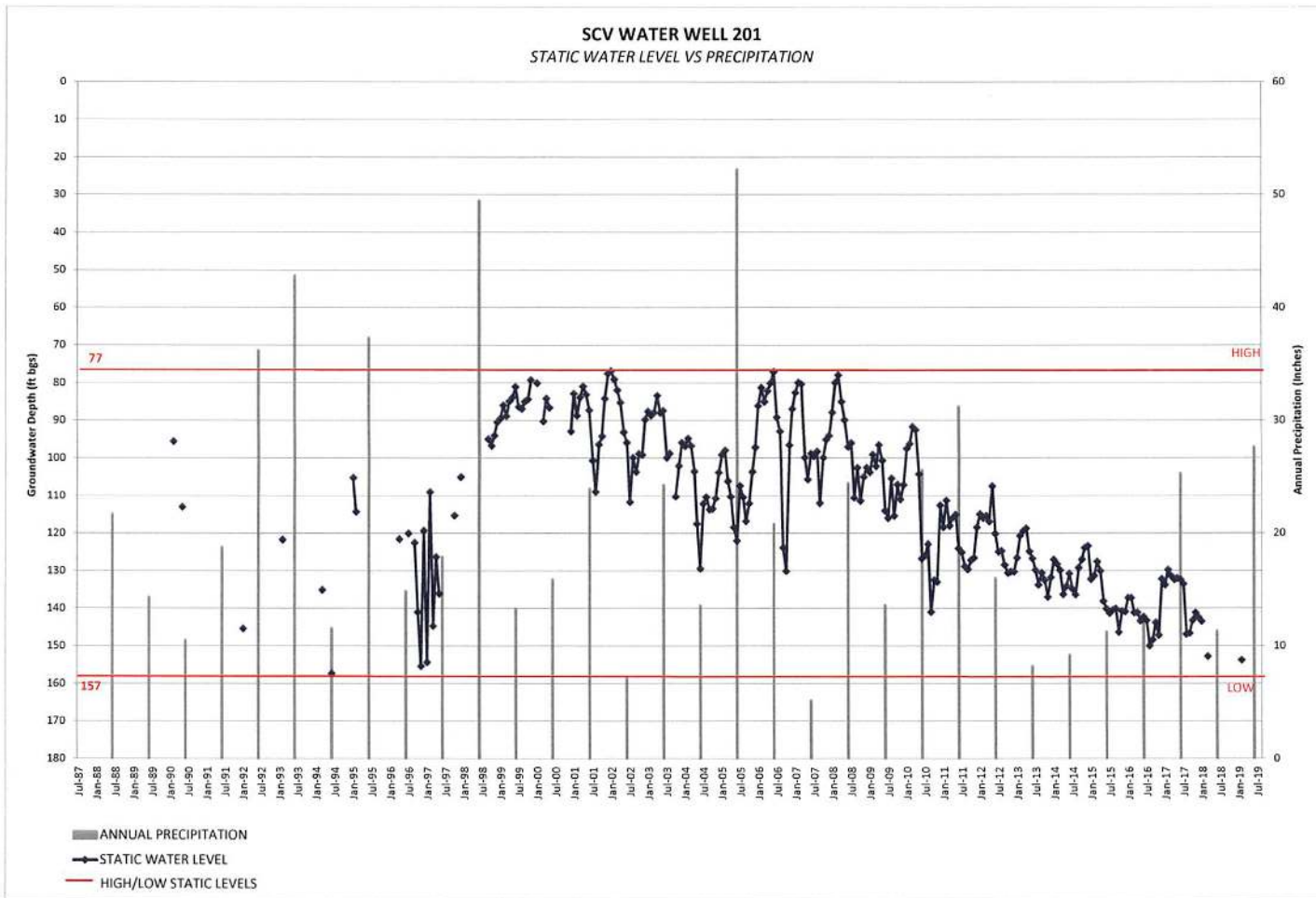


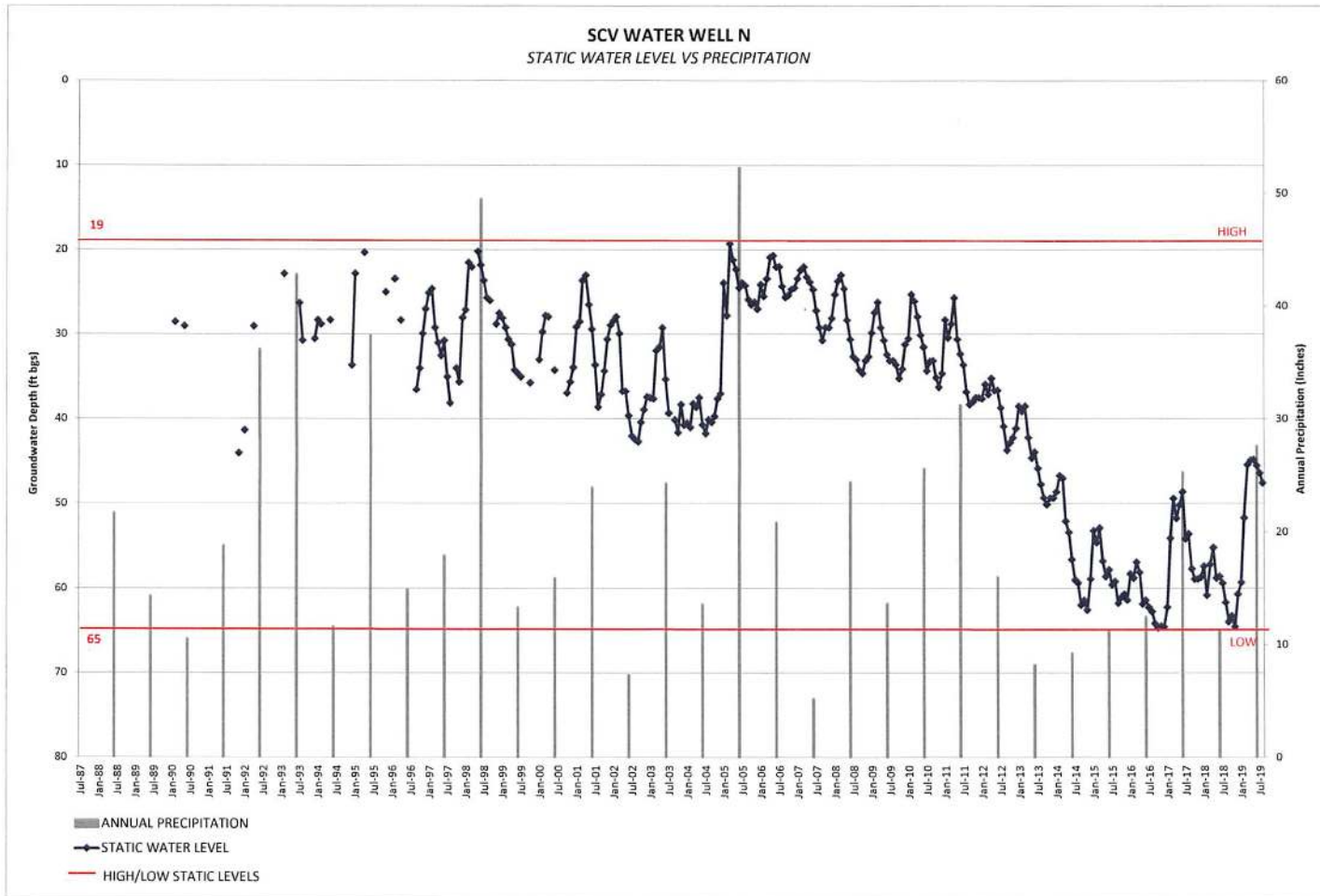


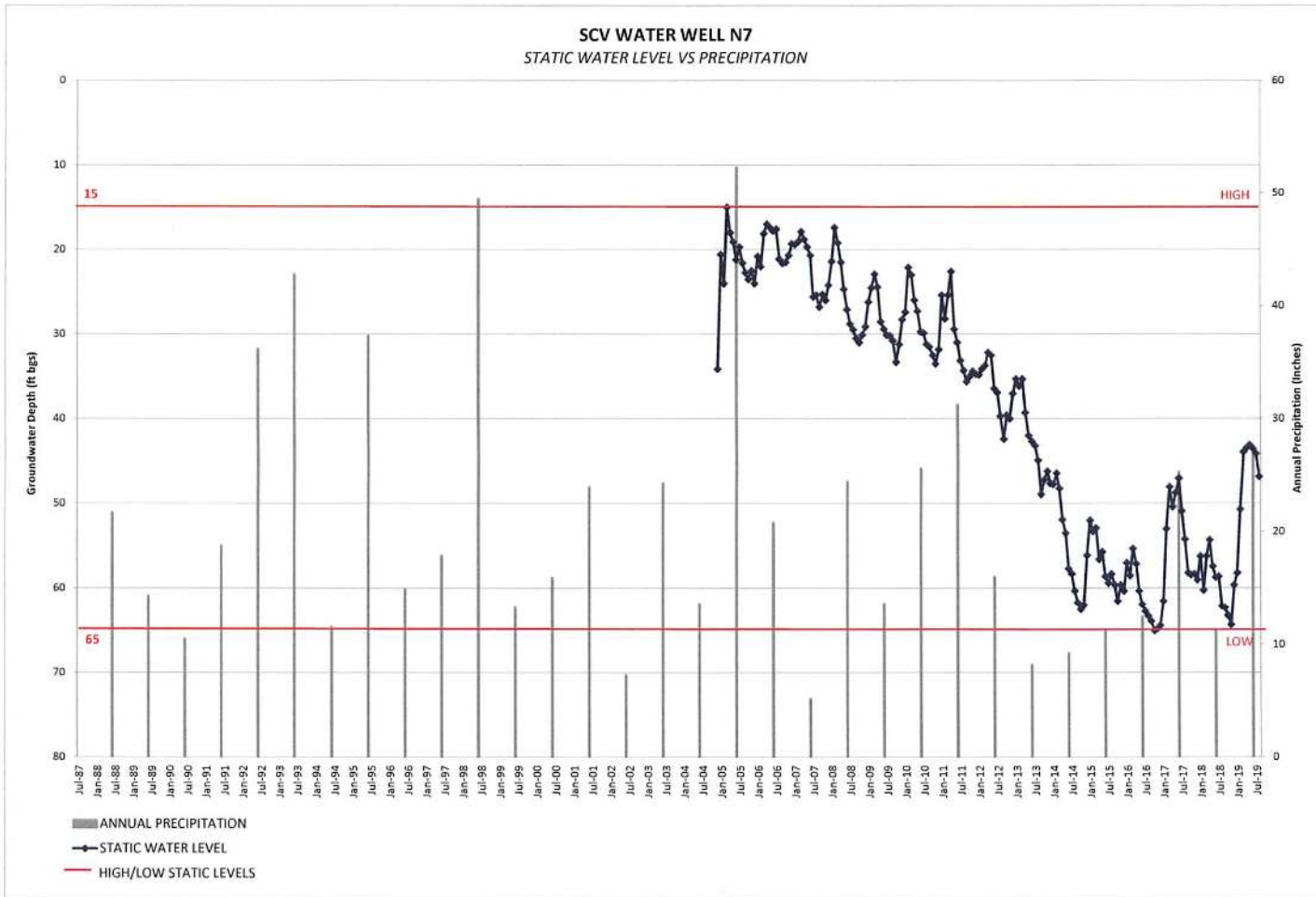


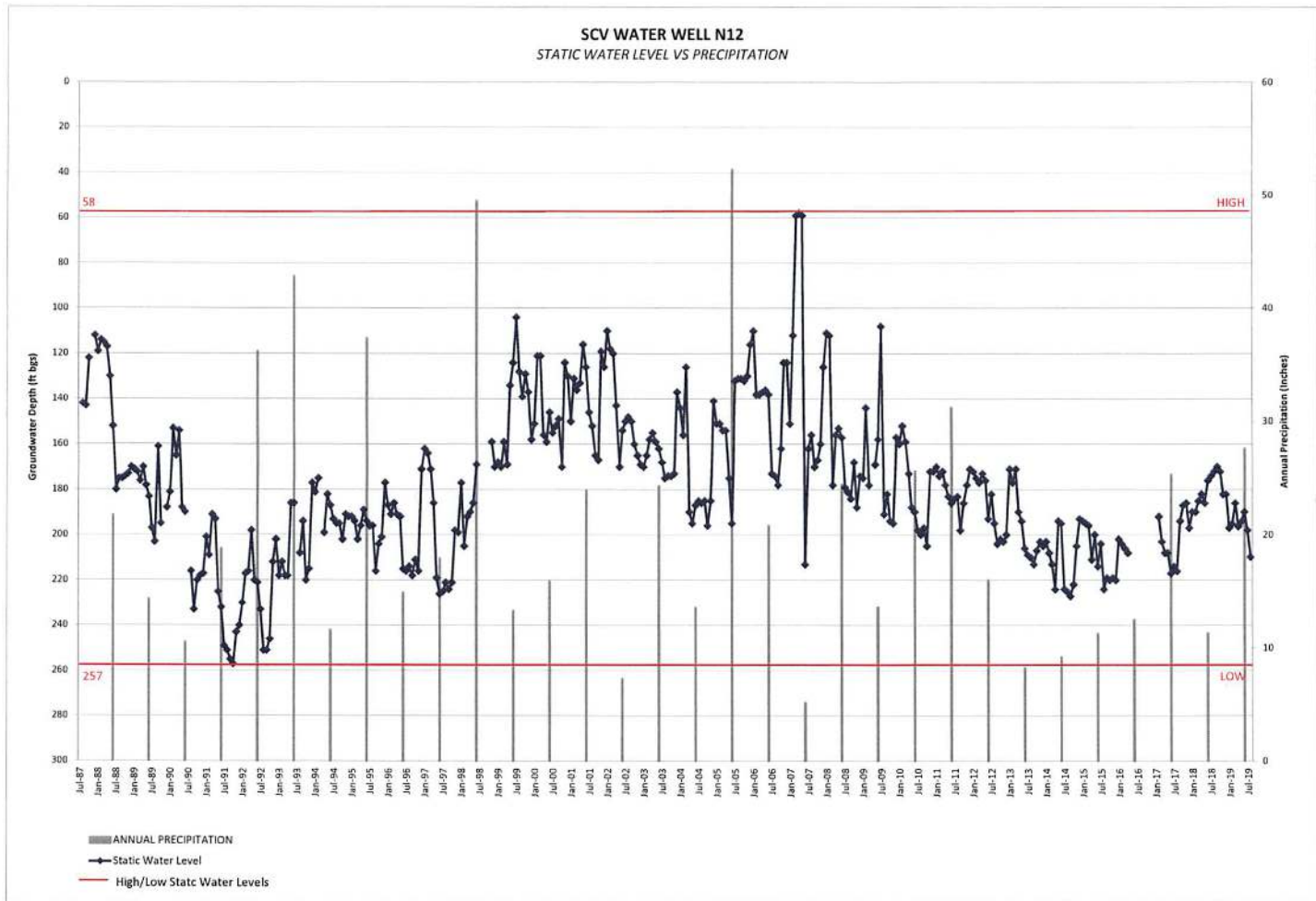


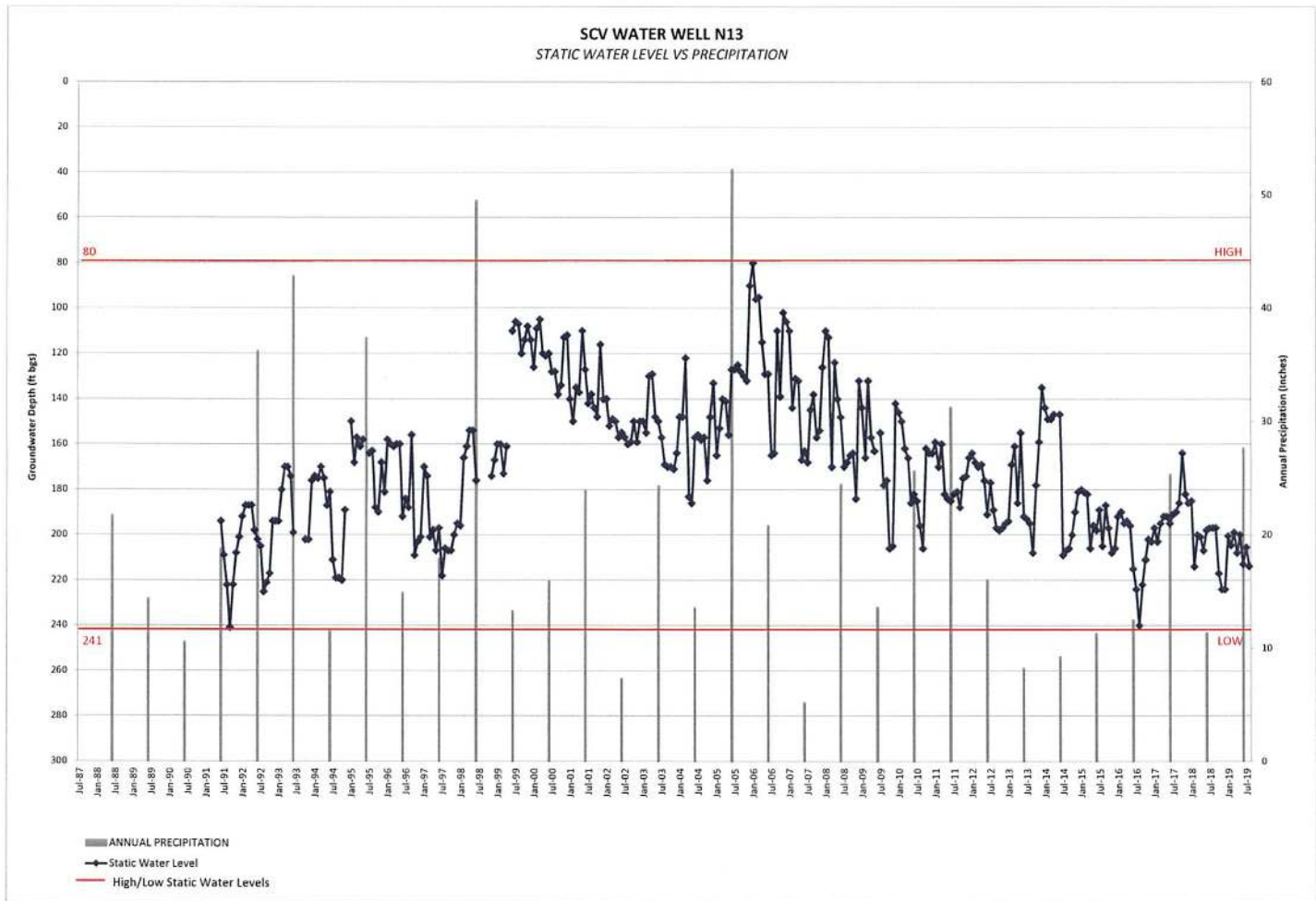


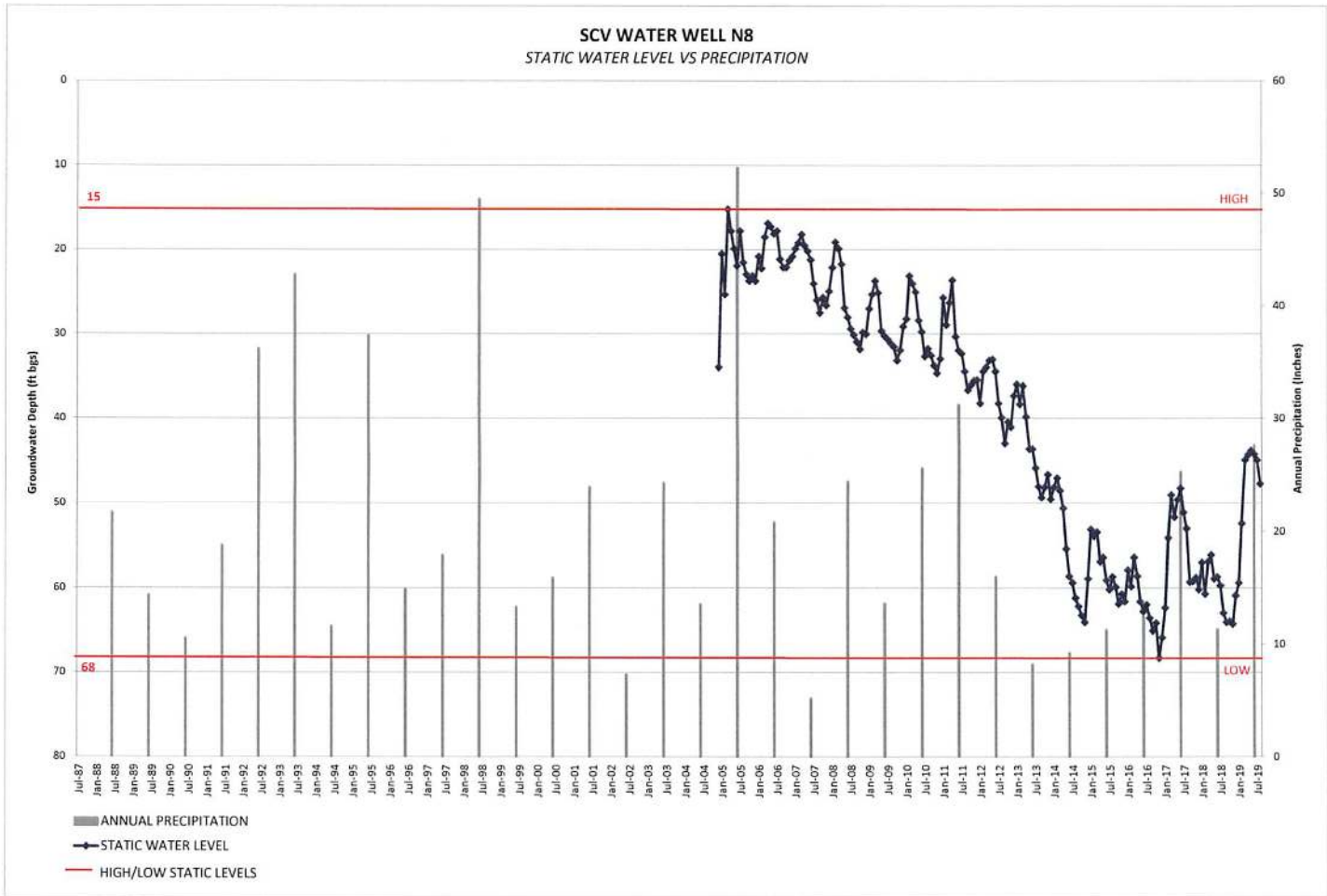


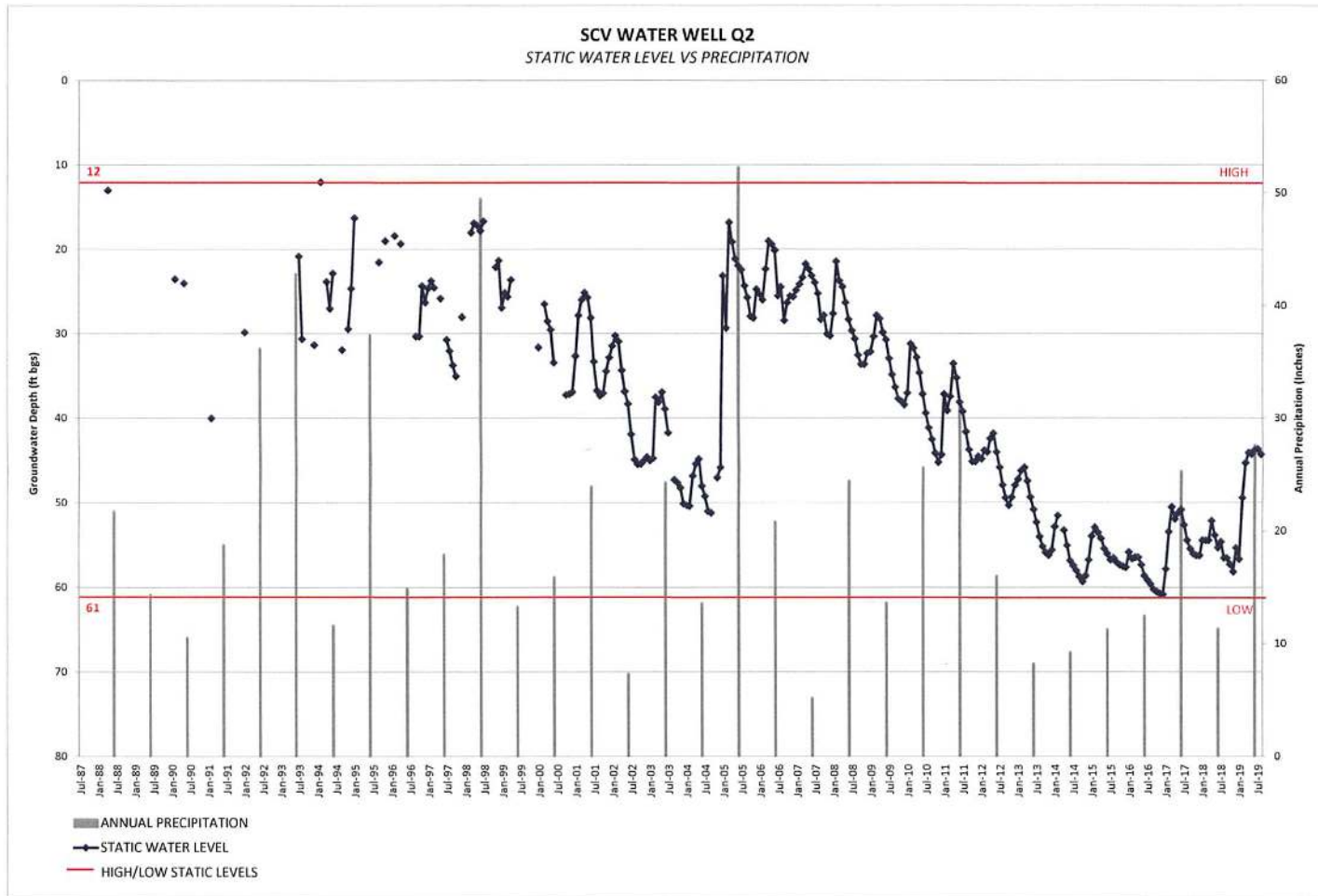




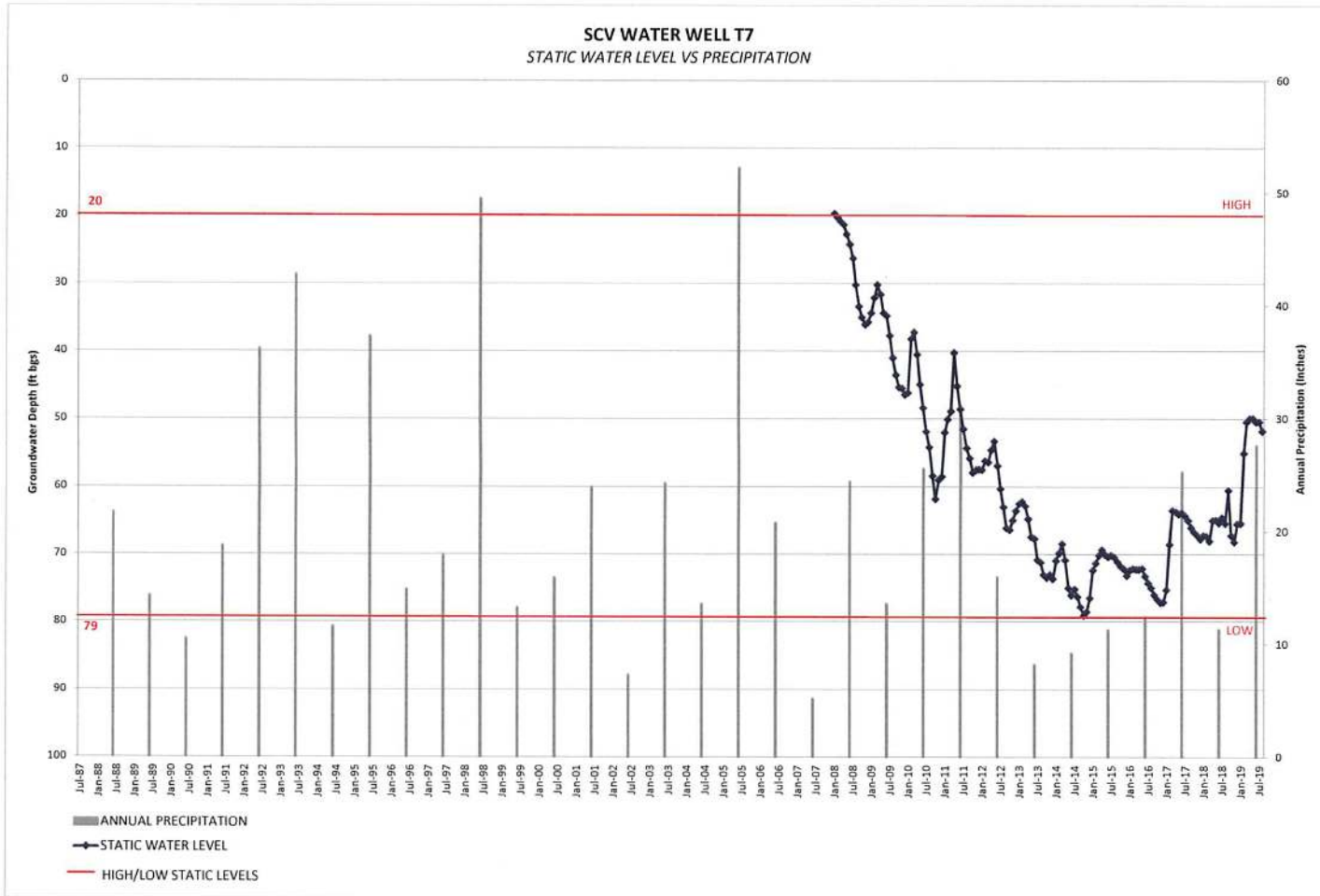




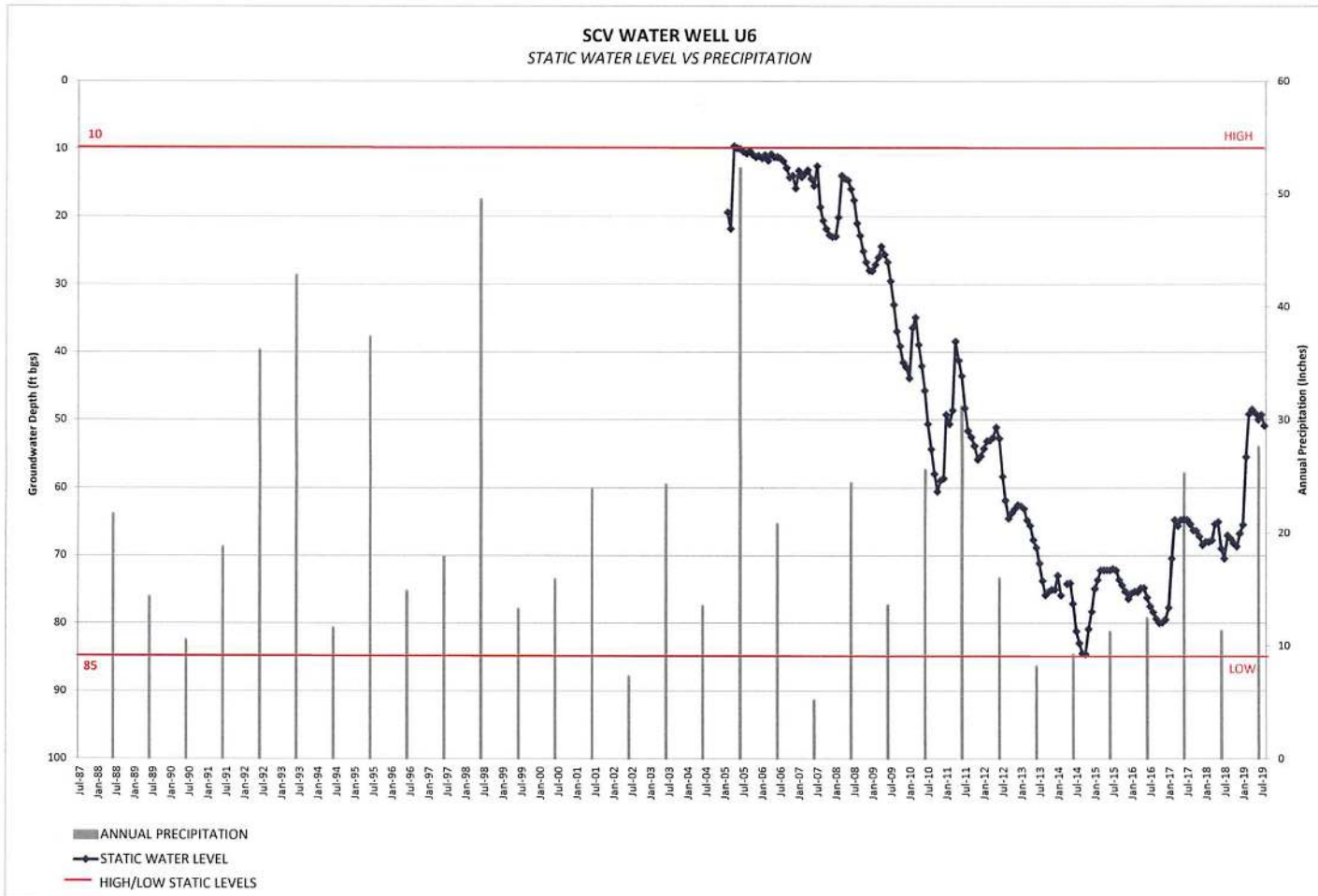


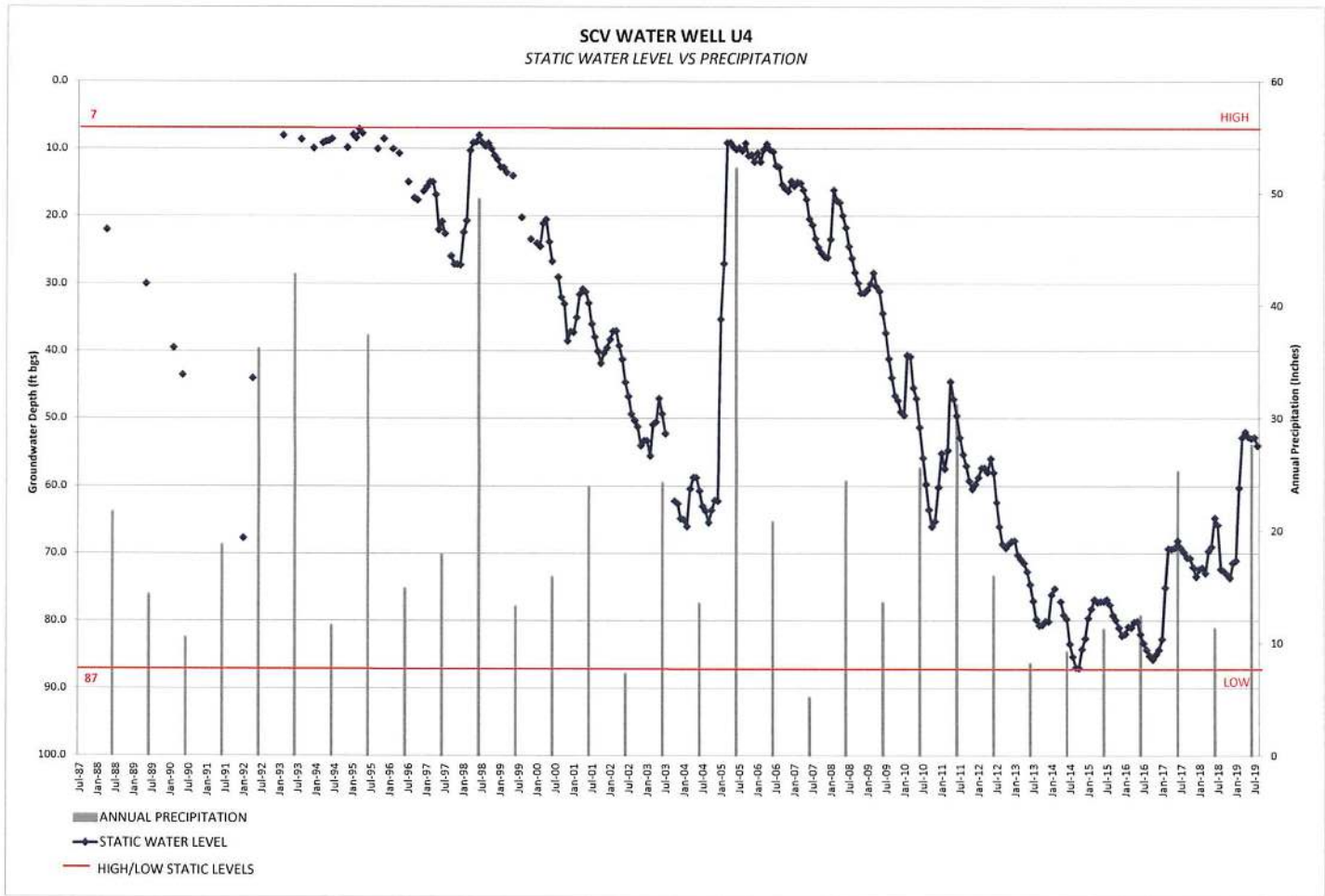




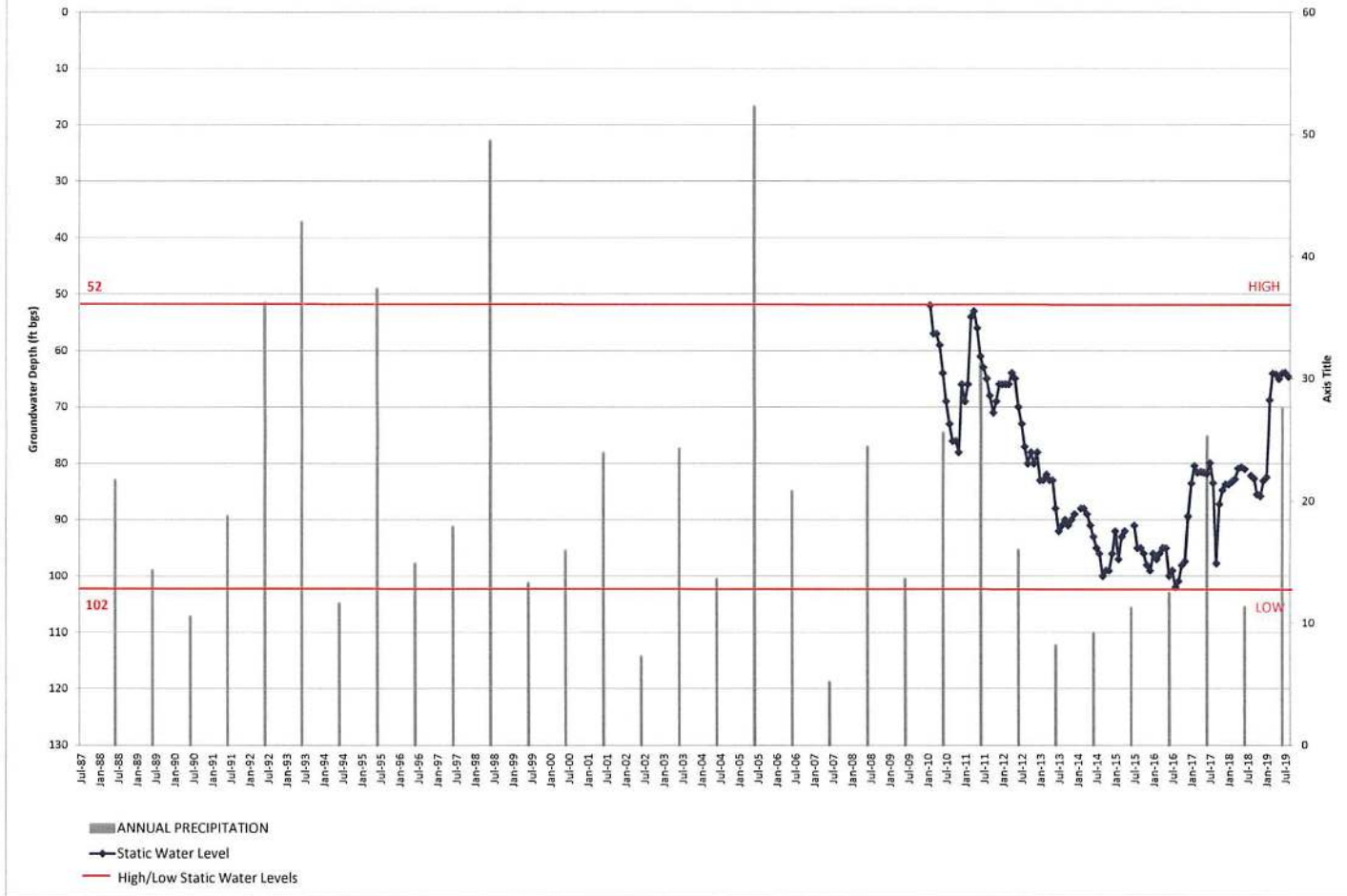




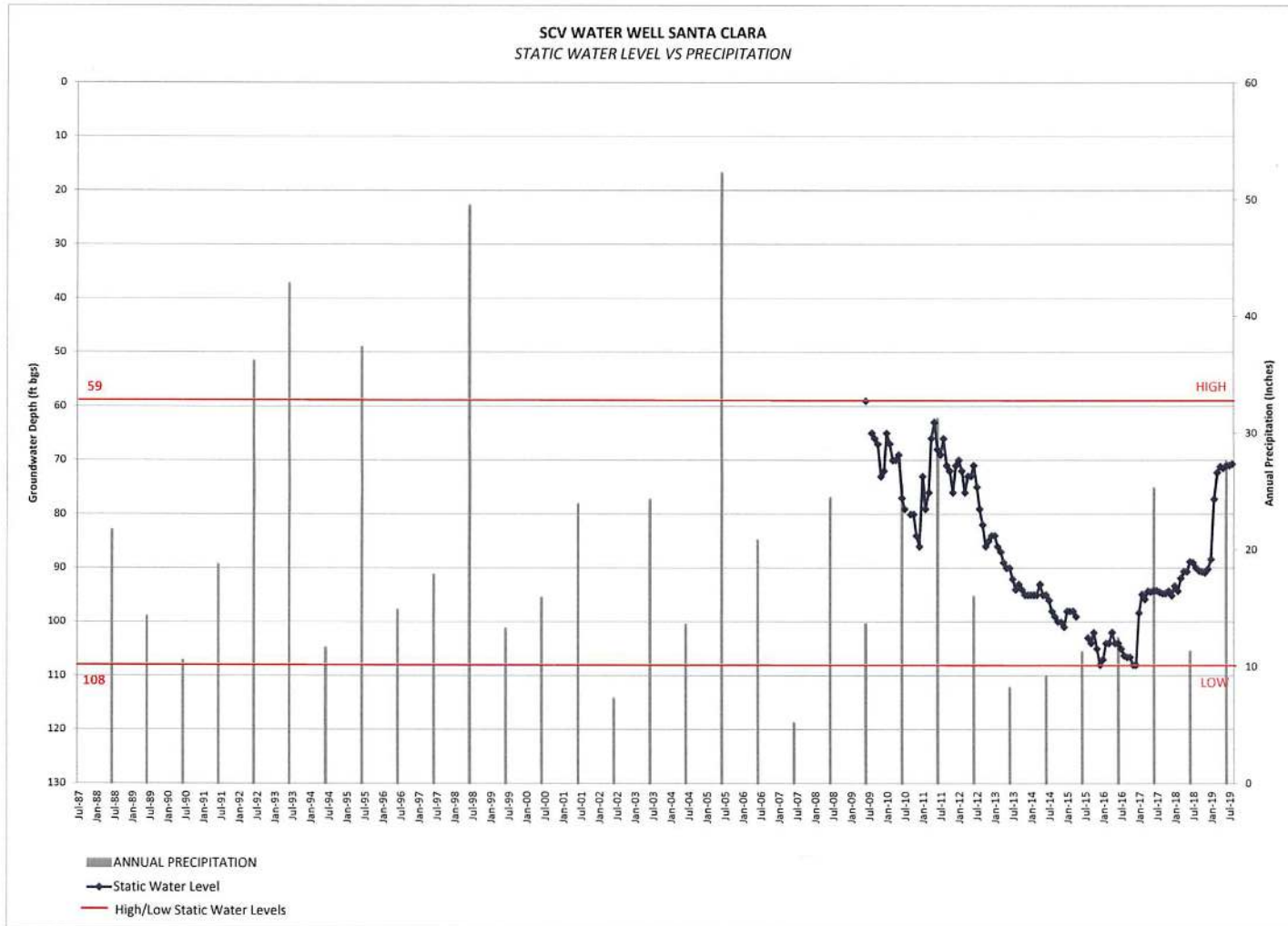




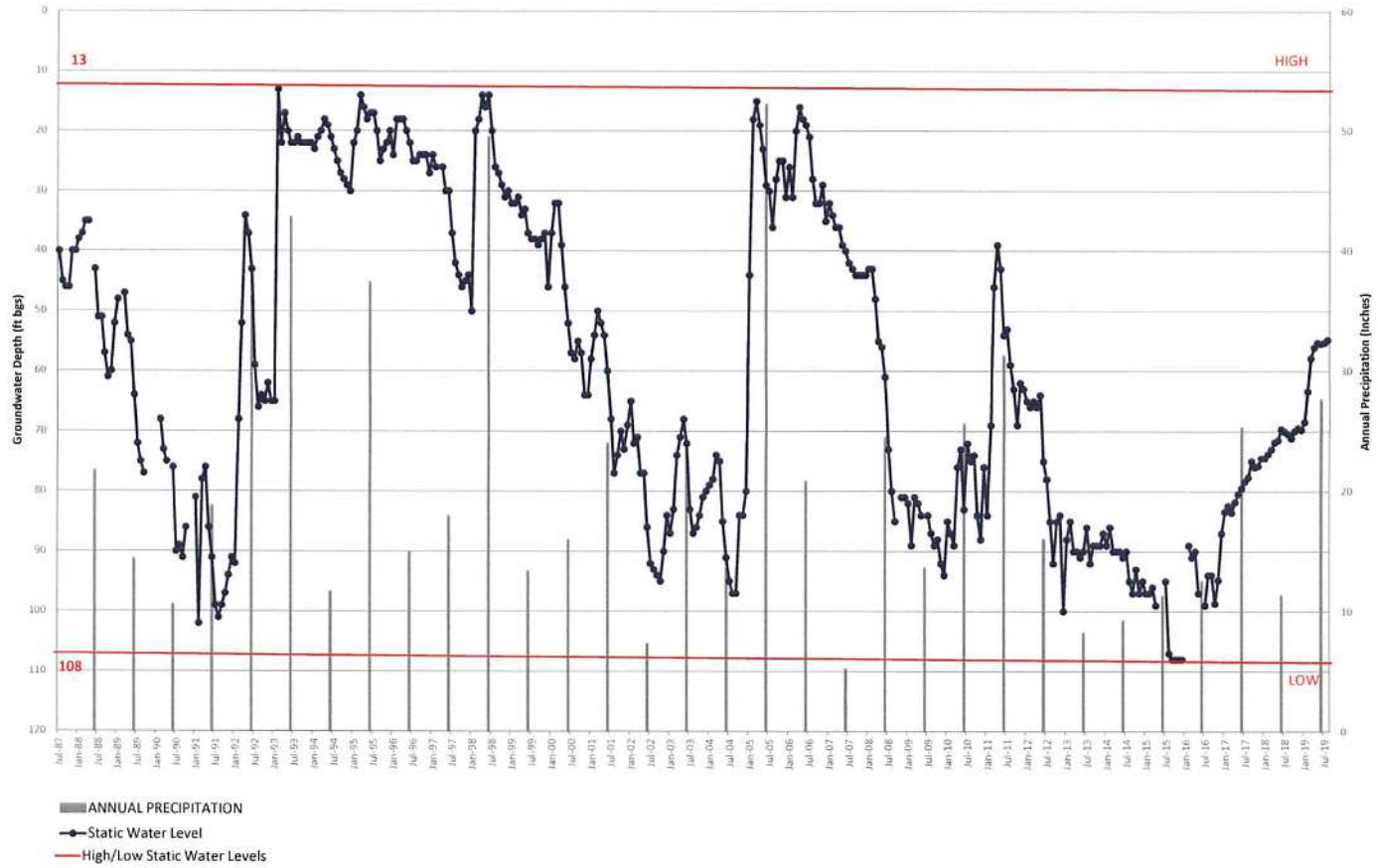
**SCV WATER WELL VALLEY CENTER
STATIC WATER LEVEL VS PRECIPITATION**



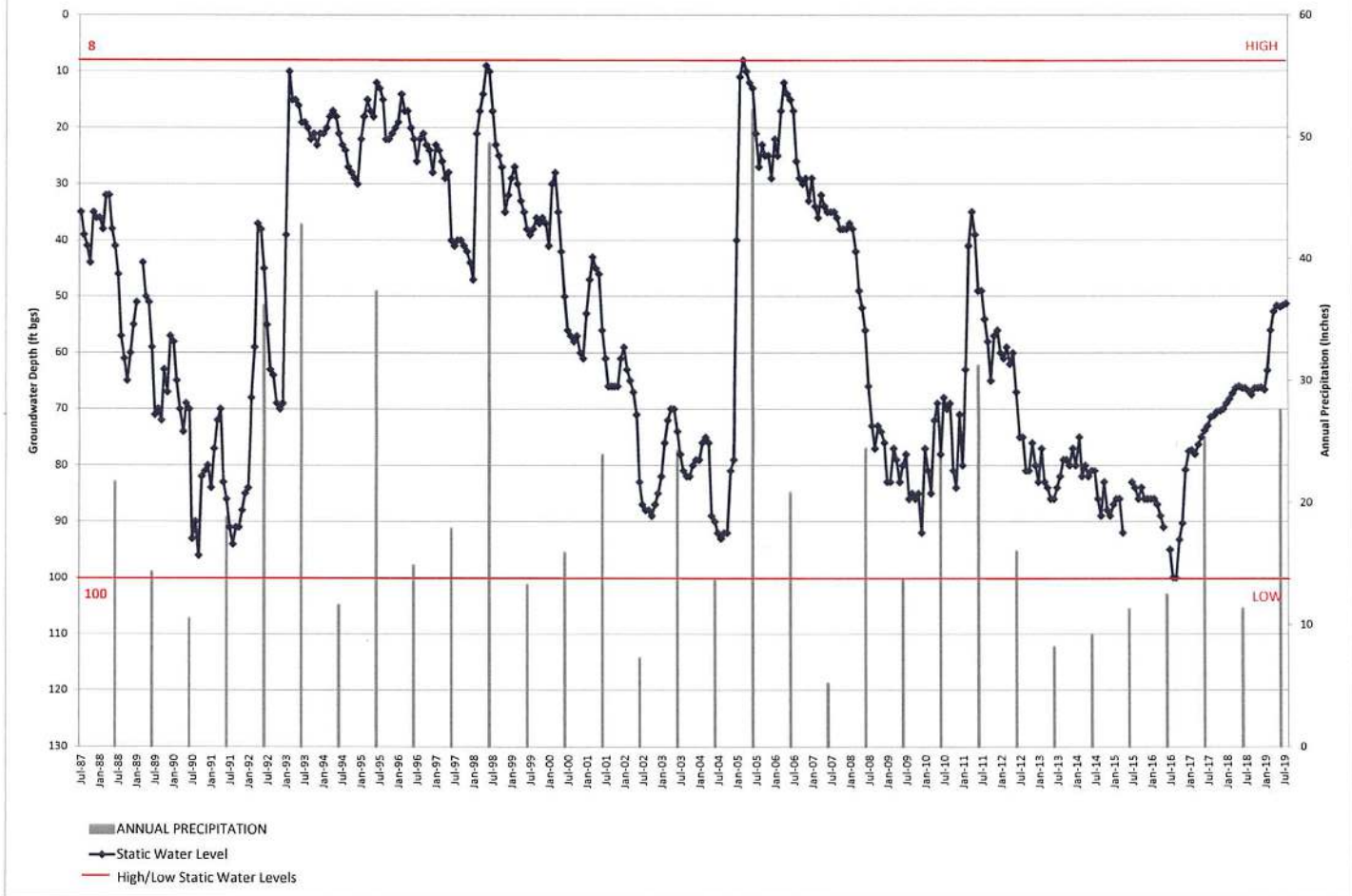




SCV WATER WELL NORTH OAKS CENTRAL #8
 STATIC WATER LEVEL VS. PRECIPITATION



SCV WATER WELL NORTH OAKS WEST #9
 STATIC WATER LEVEL VS PRECIPITATION

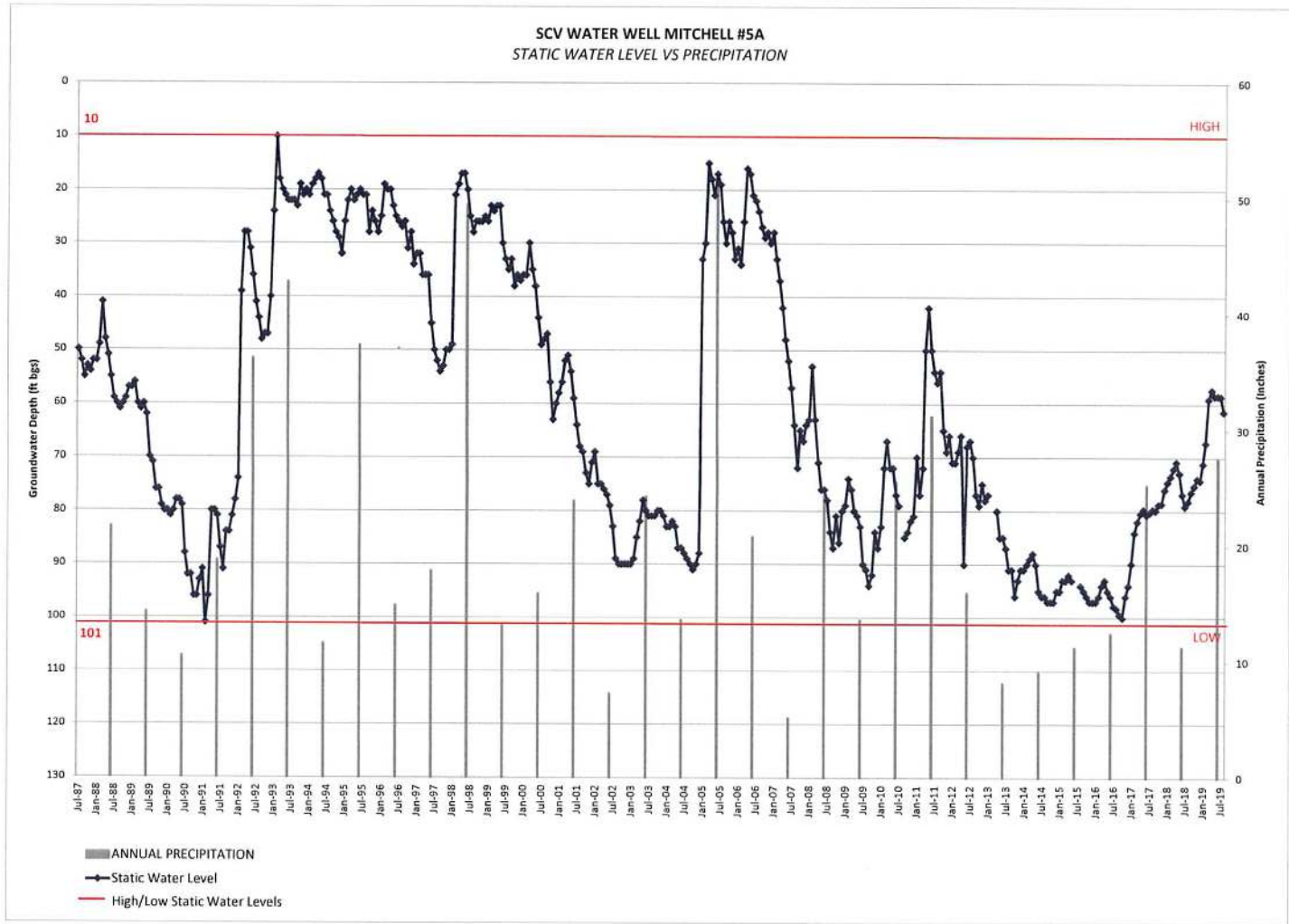


SCV WATER WELL NORTH OAKS EAST #7
 STATIC WATER LEVEL VS PRECIPITATION

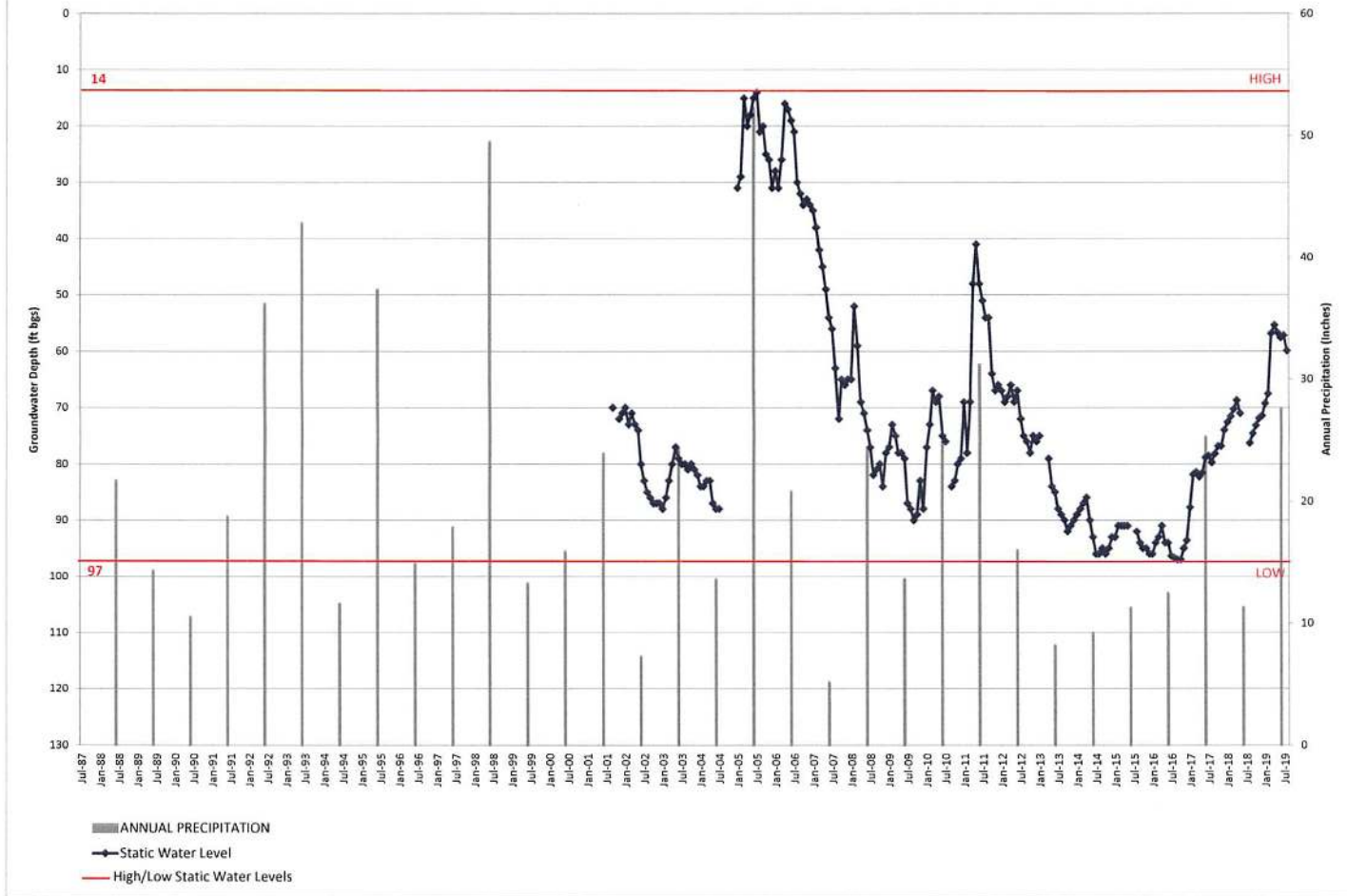


SCV WATER WELL SIERRA #6
STATIC WATER LEVEL VS PRECIPITATION

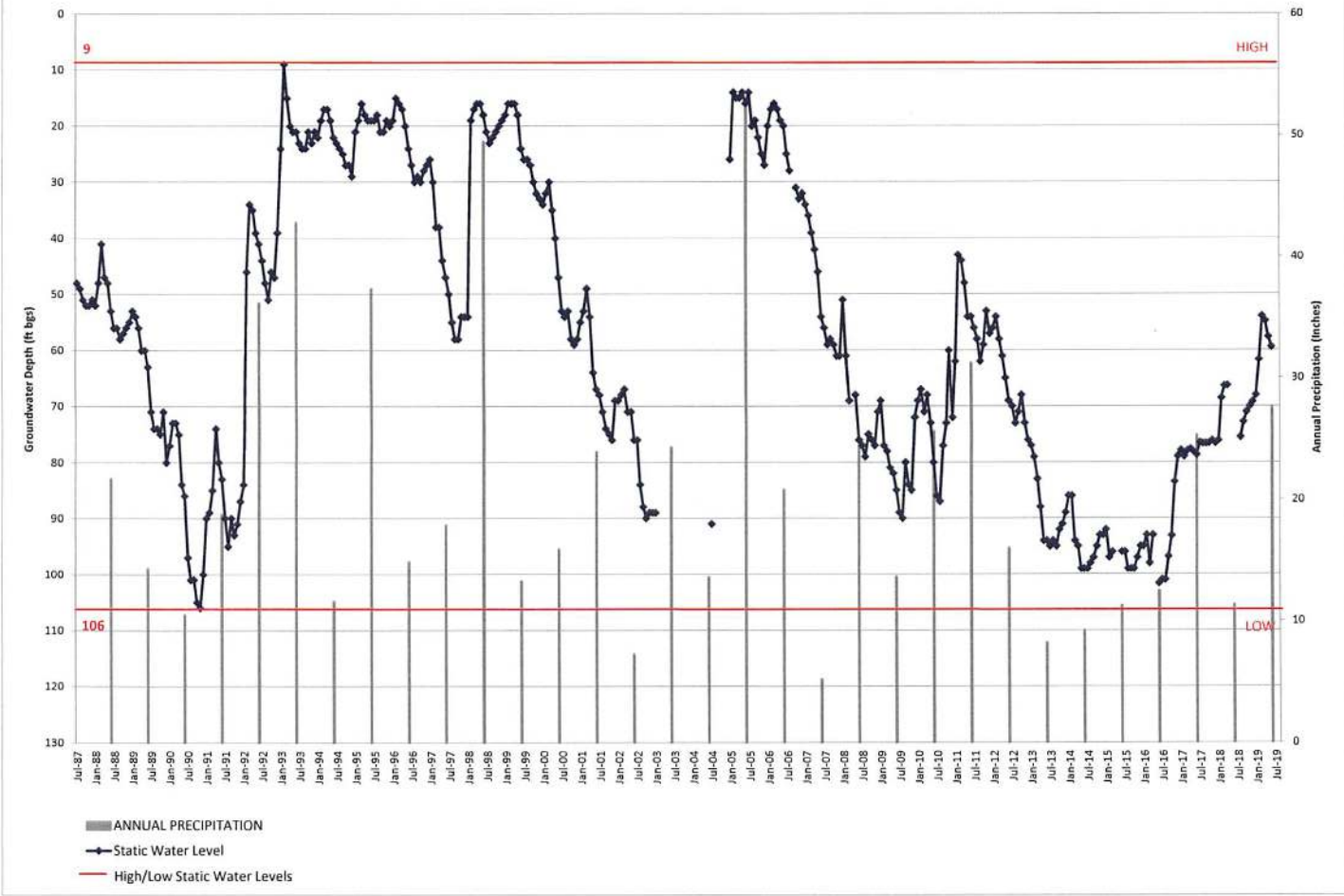




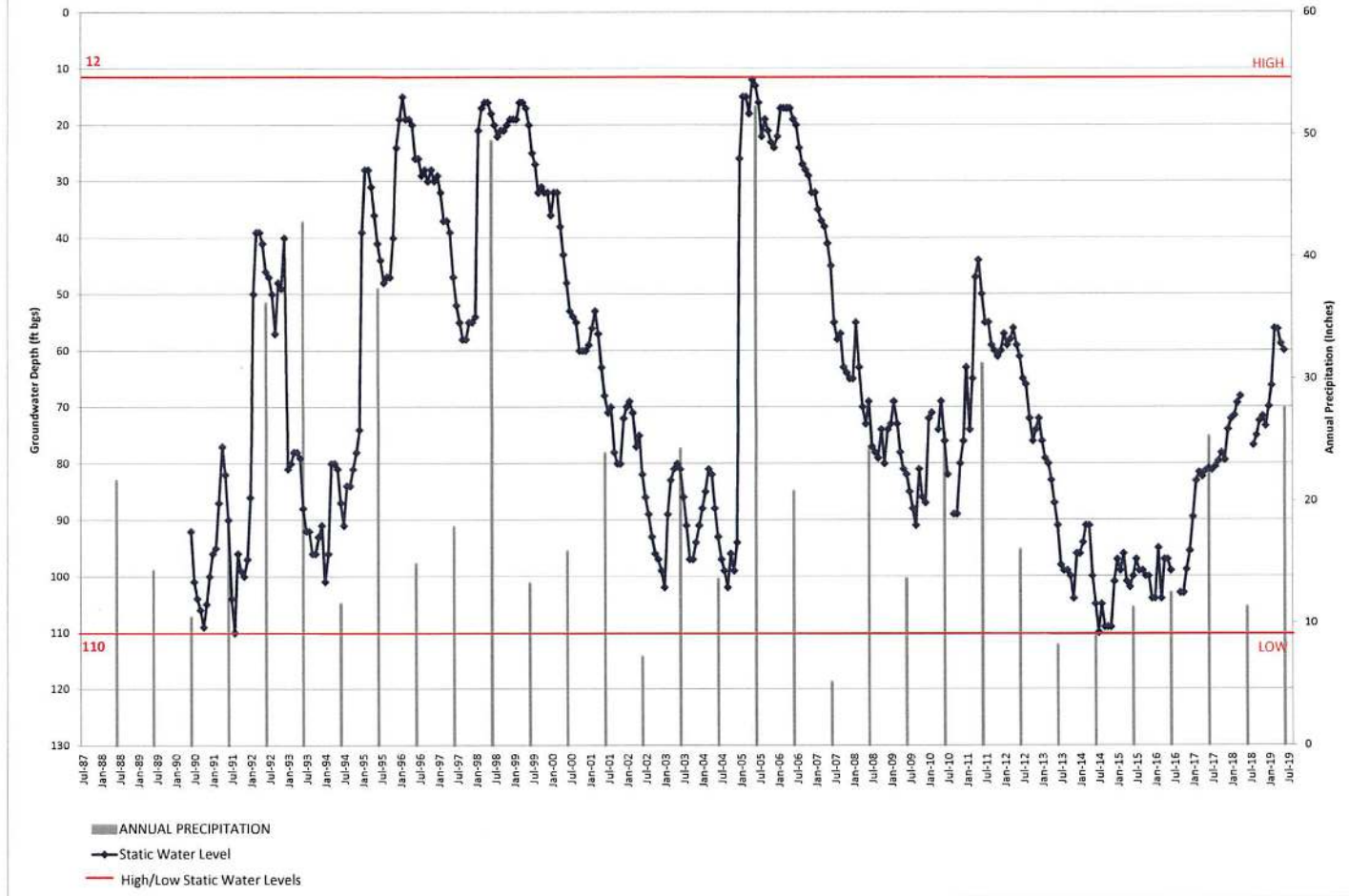
SCV WATER WELL MITCHELL #5B
 STATIC WATER LEVEL VS PRECIPITATION



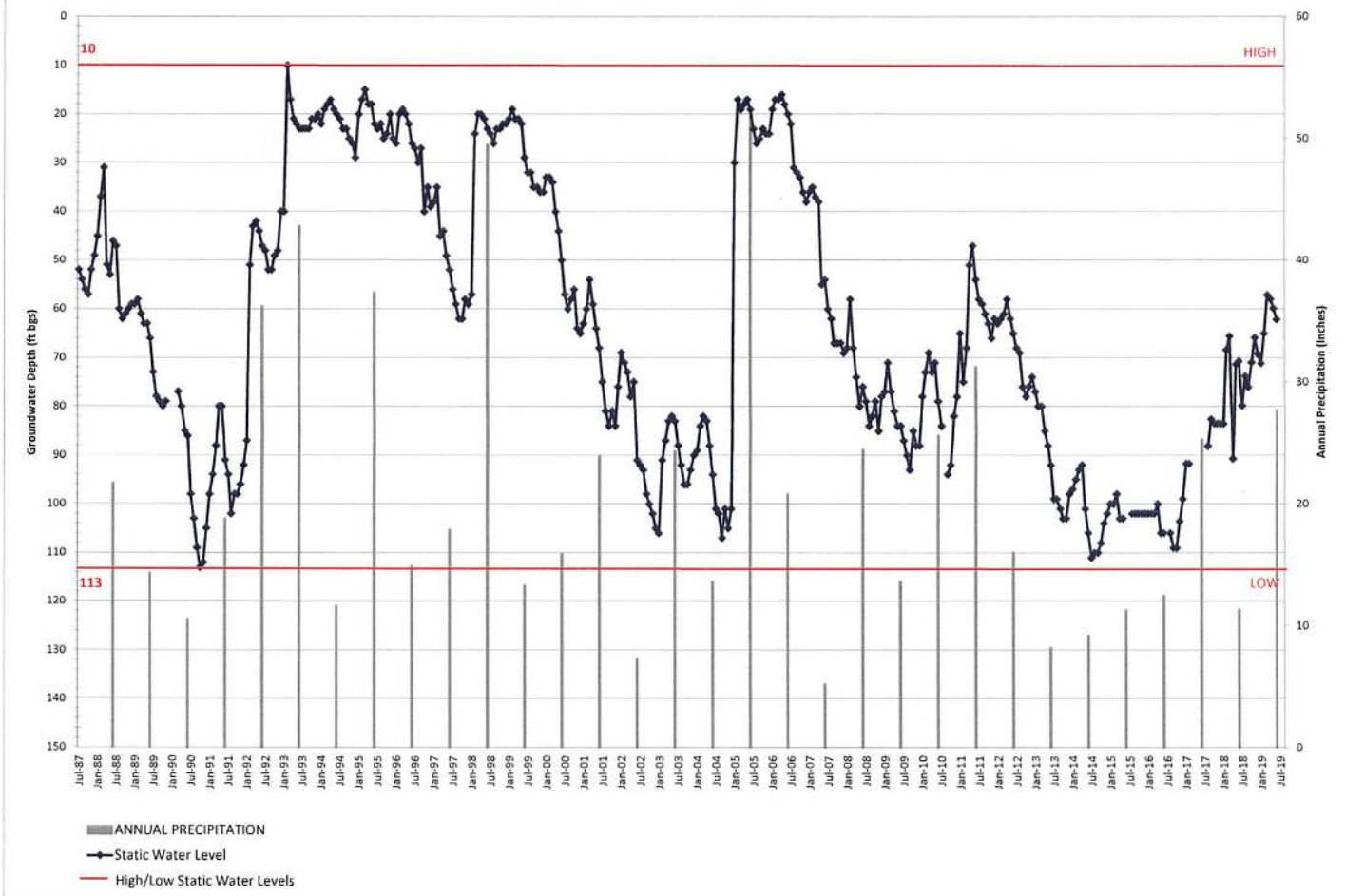
SCV WATER WELL SAND CANYON #3
 STATIC WATER LEVEL VS PRECIPITATION



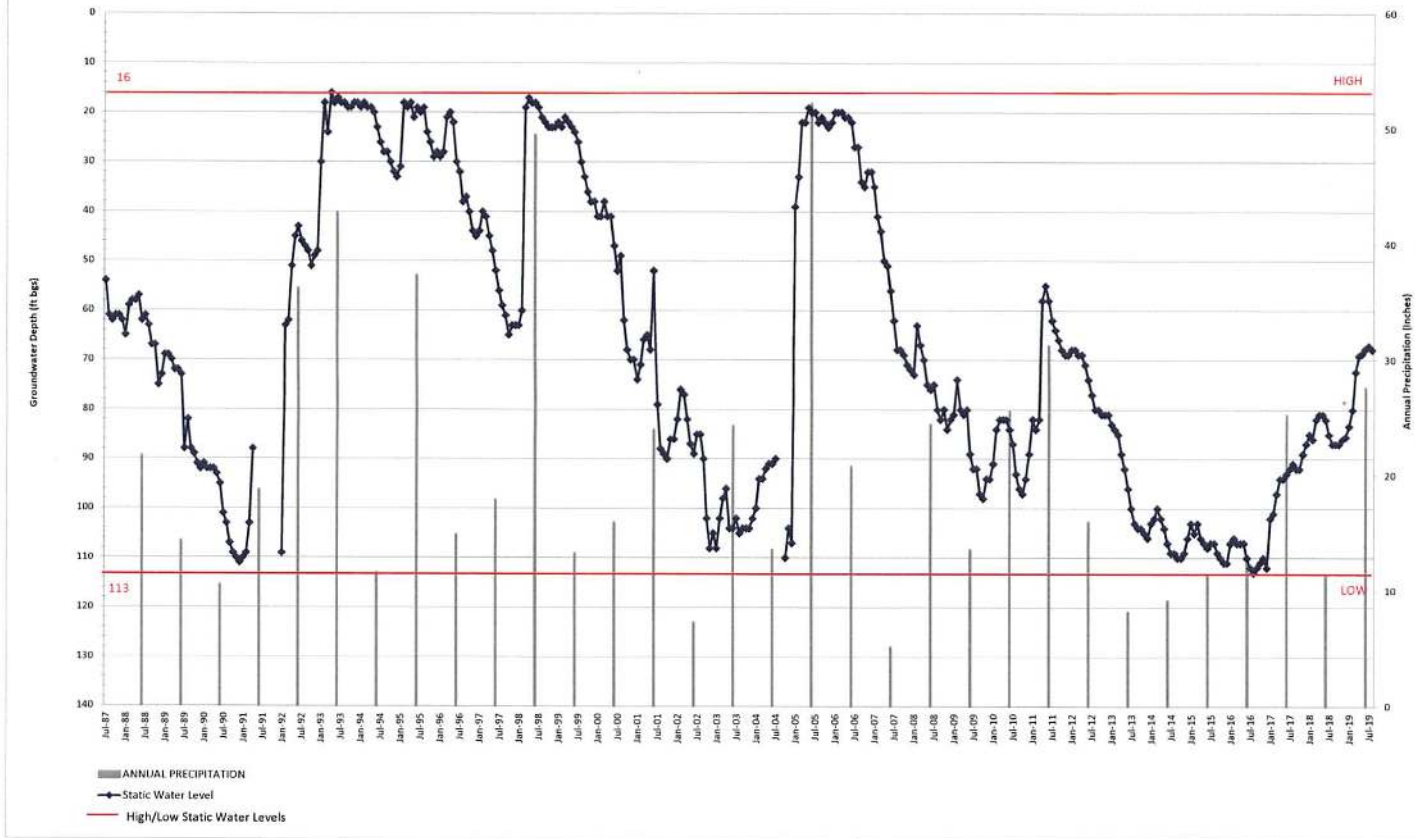
SCV WATER WELL LOST CANYON #2A
 STATIC WATER LEVEL VS PRECIPITATION

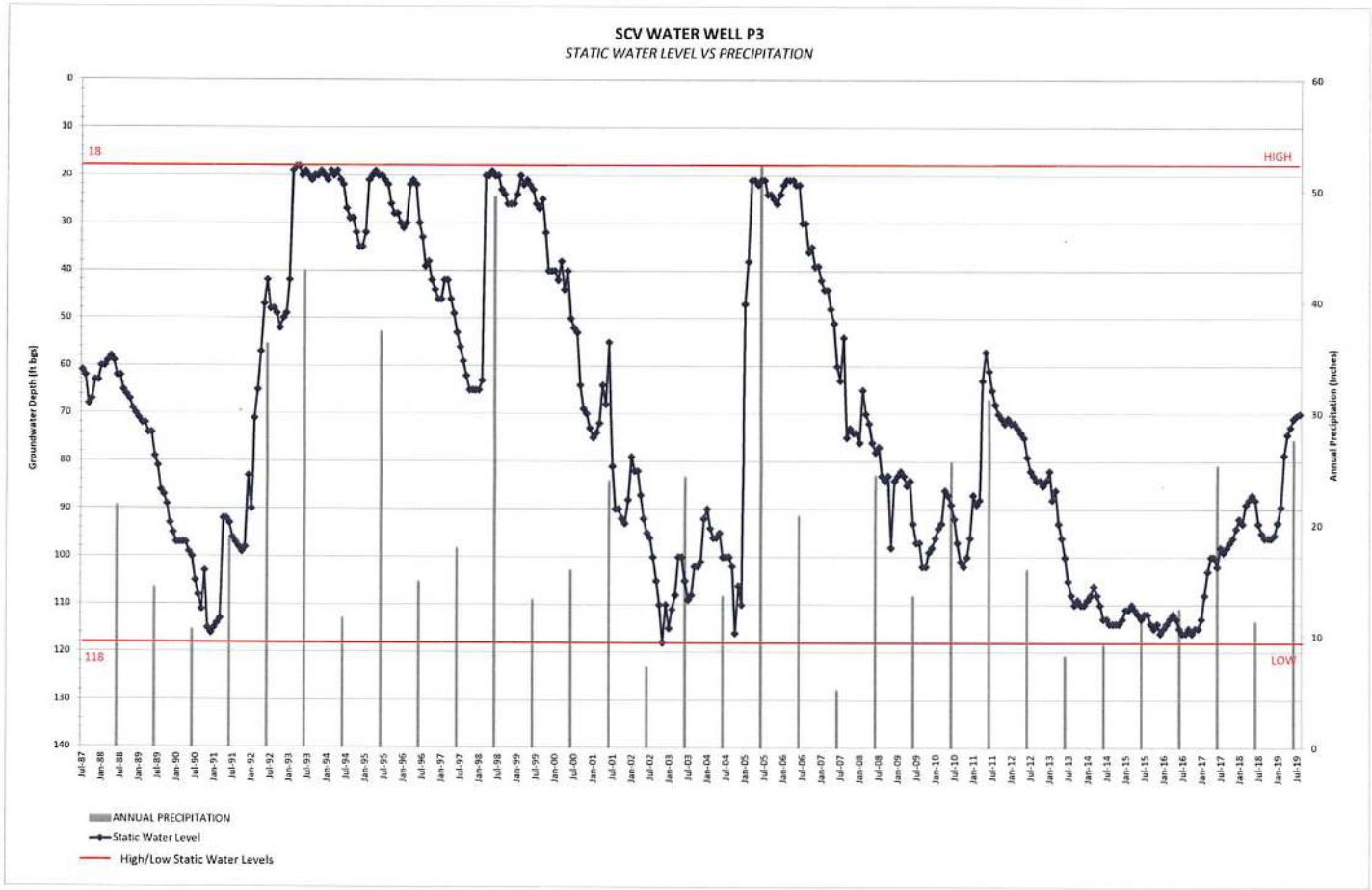


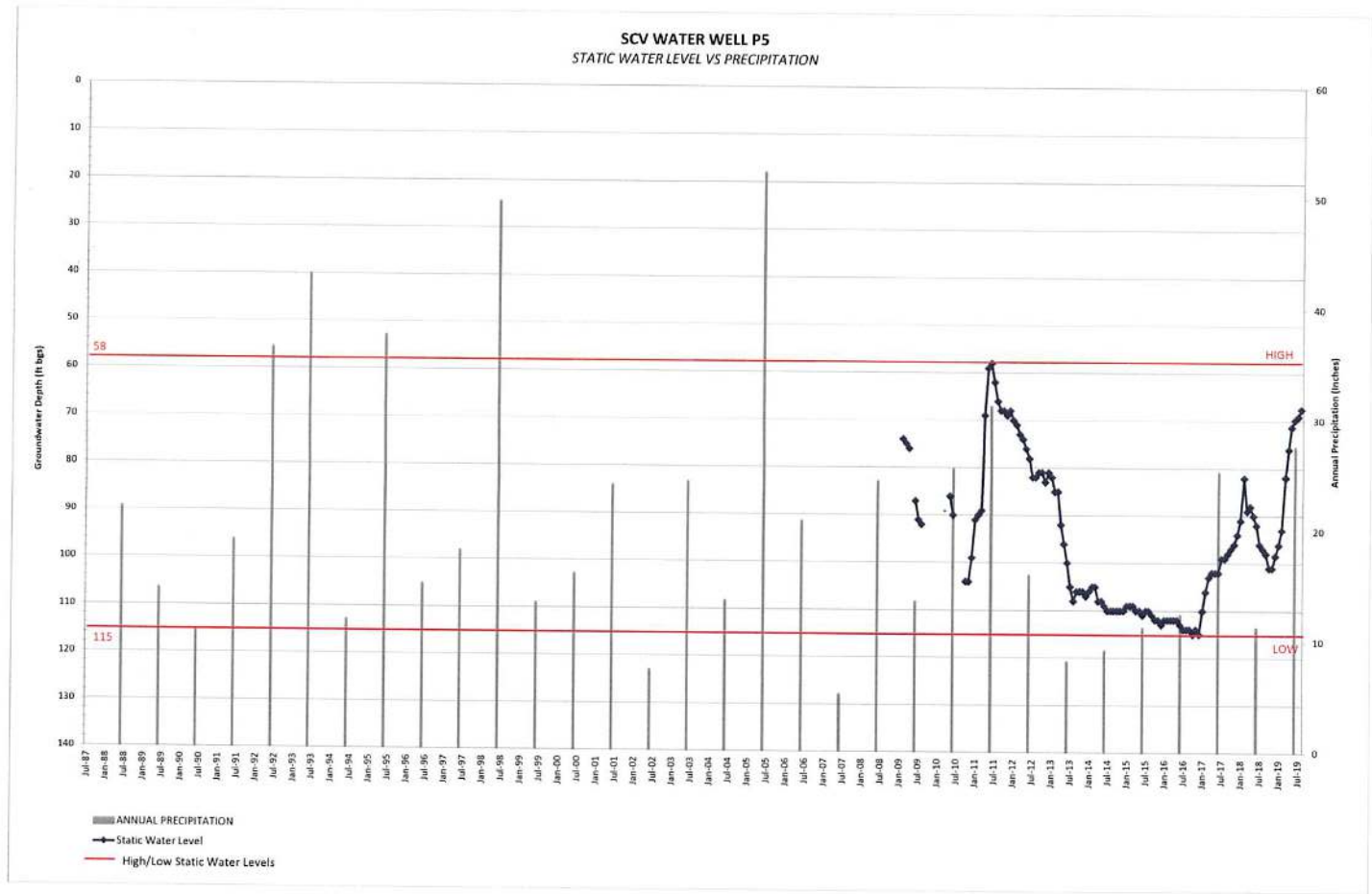
SCV WATER WELL LOST CANYON #2
 STATIC WATER LEVEL VS PRECIPITATION

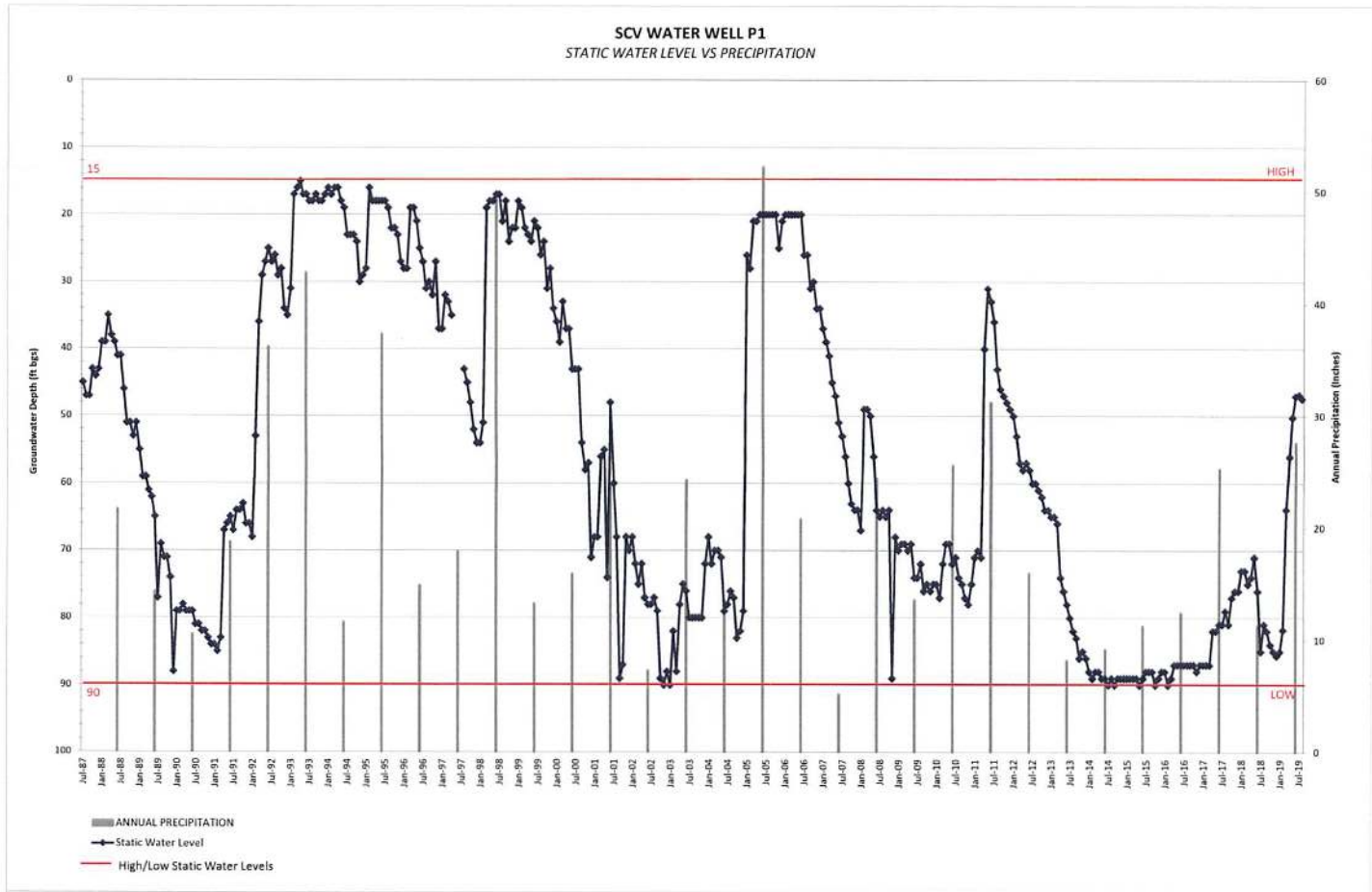


SCV WATER WELL P4
 STATIC WATER LEVEL VS PRECIPITATION









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Santa Clarita Valley Water Agency
Capital Improvement Projects (CIP) Construction Status Report
As of September 15, 2019

Project	Contractor	Original Contract Amount	Change Orders to Date	% Change Orders	Current Contract Amount	Scheduled Completion	Estimated % of Work Completed	Status
Foothill Feeder Turnout	GSE Construction	\$2,691,300	\$260,459	9.7%	\$2,951,759	October 31, 2019	98%	Construction is complete. Testing and start-up will take place during October 2019.
Well E-17 and Water Improvements	Staats Construction, Padilla Electric, and General Pump	\$571,734	\$0	0%	\$571,734	October 31, 2019	98%	Construction in progress.
Magic Mountain Pipeline Phase 4*	FivePoint / Toro Enterprises	\$3,084,725	\$187,586.20	6.1%	\$3,272,311.20	October 31, 2019	95%	Construction in progress.
Magic Mountain Pipeline Phase 5	FivePoint / Toro Enterprises	\$3,269,978.85	\$0	0%	\$3,269,978.85	October 31, 2019	90%	Construction in progress.
Honby Tank No. 1 – Recoat Roof Interior/Exterior and Interior Spot Repair	Olympus and Associates	\$338,848	\$11,000	3.2%	\$349,848	October 18, 2019	70%	Construction in progress.

*As of August 30, 2019, expenditures for Kennedy/Jenks Consultants' inspection services work authorization are \$374,820 (97%) of the Board authorized amount of \$386,200

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**Engineering and Operations Committee
Planning Calendar
FY 2019/20**

**ITEM NO.
6**

Item	PowerPoint Presentation (Y/N/Length)	Jul 11 Comm	Aug 1 Comm	Aug 6 Board	Sep 3 Board	Sep 5 Comm	Oct 1 Board	Oct 10 Comm	Nov 5 Board	Nov 7 Comm	Dec 3 Board	Dec 5 Comm	Jan 2 Comm	Jan 7 Board	Feb 4 Board	Feb 6 Comm	Mar 3 Board	Mar 5 Comm	Apr 2 Comm	Apr 7 Board	May 5 Board	May 7 Comm	Jun 2 Board	Jun 4 Comm	Jul 7 Board
		C	C			C		P	P	P	P	P	P			P		P				P	P		
1	Monthly Committee Planning Calendar	None	C	C				P		P													P	P	
2	CIP Construction Status Report	None	C	C				P		P		P	P			P		P					P	P	
3	Monthly Operations and Production Report	None	C	C				P		P		P	P			P		P					P	P	
4	Third Party Funded Agreements Quarterly Report	None	C							P						P							P		
5	Quarterly Safety Program Presentation	Yes 15 min		C						P						P							P		
6	Annual Safety Program Update (FY 18-19)	Yes 15 min				C																			
7	Recommend Approval of New Golden Triangle Modular Lease	None	C	C																					
8	Tour of Earl Schmidt Filtration Plant	None					C																		
9	Recommend Approval of the Purchase of a Chlorine Scrubber System for the Rio Vista Water Treatment Plant	None					C	P																	
10	Recommend Approval for an Agreement Amendment to The Newhall Land and Farming Company, LLC, for the Magic Mountain Water Pipeline Installation Agreement	None					C	P																	
11	Approve Bidding and Purchasing of Treatment Vessels and a Final Design Work Authorization for Kennedy Jenks Consultants for the N Wells PFAS Treatment	None						P																	
12	Approve Bidding and Purchasing of Treatment Vessels and a Final Design Work Authorization for Kennedy Jenks Consultants for Q2 Well Perchlorate Treatment	None						P																	
13	Approve Receiving and Filing the Public Notification of PFOS and PFOA Notification Level Exceedances	None						P																	
14	Recommend Approval of Construction Contract Funding and a Work Authorization for Inspection Services for Magic Mountain Pipeline No. 6A	TBD						P	P																
15	Recommend Approval to Purchase a Backhoe-Replacement Unit No. 15	None						P	P																
17	Recommend Approval of Resolution Awarding Contract to TBD for Newhall Tank 2 Recoat and Repairs	None								P	P														
16	Recommend Approval of Resolution Awarding Construction Contract for Recycled Water Vista Canyon (Phase 2B) Pipelines	TBD										P		P											
18	Recommend Approval of Construction Contract Funding and a Work Authorization for Replacement Wells Commerce Center Drive Pipeline	TBD										P		P											
19	Recommend Approval of Resolution Awarding Construction Contract to TBD for West Ranch Recycled Water Main Extension (Phase 2D) Project	TBD										P		P											

C = Completed Item
P = Planned Item

**Engineering and Operations Committee
Planning Calendar
FY 2019/20**

	Item	PowerPoint Presentation (Y/N/Length)	Jul 11 Comm	Aug 1 Comm	Aug 6 Board	Sep 3 Board	Sep 5 Comm	Oct 1 Board	Oct 10 Comm	Nov 5 Board	Nov 7 Comm	Dec 3 Board	Dec 5 Comm	Jan 2 Comm	Jan 7 Board	Feb 4 Board	Feb 6 Comm	Mar 3 Board	Mar 5 Comm	Apr 2 Comm	Apr 7 Board	May 5 Board	May 7 Comm	Jun 2 Board	Jun 4 Comm	Jul 7 Board	
21	Recommend Approval of Resolution Awarding Contract to TBD for SC12 Facility Construction	None											P		P												
20	Recommend Approval of Resolution Awarding Construction Contract to TBD for Recycled Water Vista Canyon (Phase 2B) Tank	TBD												P		P											
22	Recommend Approval of Resolution Authorizing SCV Water to Execute Consolidation and Water Service Agreement with State Water Resources Control Board and Los Angeles Residential Community	TBD												P		P											
23	Recommend Approval of a Work Authorization for Final Design of the Replacement Wells On-Site Pipeline/Infrastructure	TBD												P		P											
25	Recommend Approval of Construction Contract Funding and a Work Authorization for Replacement Wells Construction	TBD												P		P											
26	Recommend Approval of a Work Authorization for Final Design of the Magic Mountain Reservoir	TBD												P		P											
24	Recommend Approval of Resolution Awarding Construction Contract for Pipeline to the Los Angeles Residential Community	TBD															P	P									
27	Recommend Approval of Resolution Awarding Construction Contract for ESFP Washwater Return and Sludge Systems Project	TBD															P	P									
28	Review FY 2020/21 Major Capital Projects	TBD																	P								
29	Recommend Approval of a Work Authorization for Final Design of the Groundwater Treatment Improvements	TBD																	P		P						
30	Recommend Approval of Construction of a New Deane Zone Pump Station and Cost Sharing Agreement with Developer	TBD																	P		P						
31	Recommend Approval of Construction of Two New 2.5 MG Deane Tank and Cost Sharing Agreement with Developer	TBD																		P		P					
32	Recommend Approval of Work Authorization for Groundwater Modeling Services for Perchlorate Containment Evaluation																								P	P	

C = Completed Item
P = Planned Item