



**Date:** January 27, 2020

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

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

The **Engineering and Operations Committee** is scheduled to meet on **Thursday, February 6, 2020 at 5:30 PM at Summit Circle** located at 26521 Summit Circle, Santa Clarita, CA 91350 in the Training Room.

### MEETING AGENDA

<u>ITEM</u>		<u>PAGE</u>
1.	Public Comments	
2.	Quarterly Safety Presentation	
3. *	Operations and Production Report	1
4. *	Capital Improvement Projects Construction Status Report	59
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6. *	Committee Planning Calendar	65
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 January 28, 2020.

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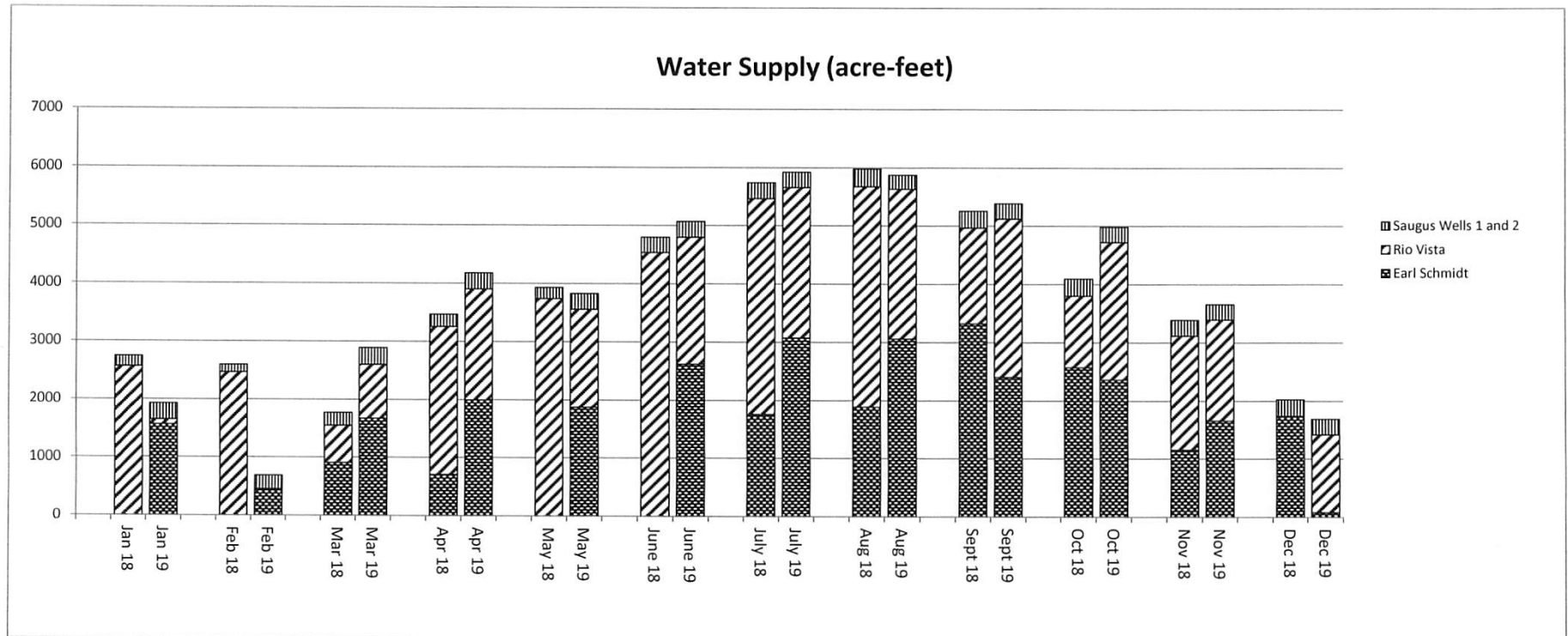
# Monthly Operations & Production Report

## December 2019

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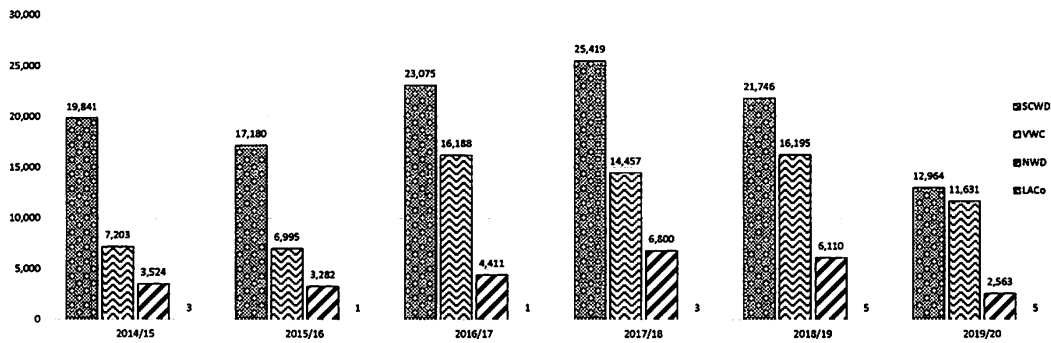
**SANTA CLARITA VALLEY WATER AGENCY**  
December 2019 Regional Operations Report



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
Earl Schmidt	1560	458	1665	1992	1869	2622	3071	3057	2404	2360	1655	87	22799.765
Rio Vista	85	0	933	1910	1683	2175	2588	2577	2719	2360	1736	1328	20094.4
Saugus 1 and 2	275	230	288	276	277	273	267	242	261	263	263	271	3186.061
<b>Total</b>	<b>1920</b>	<b>688</b>	<b>2886</b>	<b>4178</b>	<b>3829</b>	<b>5070</b>	<b>5926</b>	<b>5876</b>	<b>5384</b>	<b>4983</b>	<b>3654</b>	<b>1686</b>	<b>18571</b>
<b>Total Sold</b>	<b>1805</b>	<b>802</b>	<b>2735</b>	<b>4016</b>	<b>3754</b>	<b>4985</b>	<b>5823</b>	<b>5779</b>	<b>5316</b>	<b>4879</b>	<b>3651</b>	<b>1715</b>	<b>45260</b>
RVWTP Use/Storage	80	-78	52.55	66.96	17.54	22.04	35.68	27.64	27.66	40.42	13.19	-46.25	161.09
<b>Total Use</b>	<b>1885</b>	<b>724</b>	<b>2787.55</b>	<b>4082.96</b>	<b>3771.54</b>	<b>5007.04</b>	<b>5858.68</b>	<b>5806.64</b>	<b>5343.66</b>	<b>4919.42</b>	<b>3664.19</b>	<b>1668.75</b>	<b>18258.09</b>
Water Loss	-1.82%	5.23%	-3.41%	-2.27%	-1.50%	-1.24%	-1.14%	-1.18%	-0.75%	-1.28%	0.28%	-1.02%	-1.68%
<b>Recycled Water</b>	<b>Jan-19</b>	<b>Feb-19</b>	<b>Mar-19</b>	<b>Apr-19</b>	<b>May-19</b>	<b>Jun-19</b>	<b>Jul-19</b>	<b>Aug-19</b>	<b>Sep-19</b>	<b>Oct-19</b>	<b>Nov-19</b>	<b>Dec-19</b>	<b>Total</b>
Valencia	2	0	10	50	36	59	76	70	64	65	25	2.15	459.15

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

### HISTORICAL FY Production 2014-2020



### HISTORICAL FY PRODUCTION 2014-2020

2014/15	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,912	2,481	2,177	2,110	1,536	748	990	1,036	1,174	1,365	1,458	1,844	19,841
VWC	1,143	897	718	545	410	340	408	398	400	658	587	700	7,203
NCWD	481	410	389	341	268	135	205	200	244	283	253	334	3,524
LACo	0	0	0	0	0	0	0	0	0	0	0	0	3
<b>Total</b>	<b>4,517</b>	<b>3,788</b>	<b>3,285</b>	<b>2,996</b>	<b>2,215</b>	<b>1,221</b>	<b>1,603</b>	<b>1,635</b>	<b>1,818</b>	<b>2,306</b>	<b>2,299</b>	<b>2,879</b>	<b>30,571</b>
<b>Cum. FYTD</b>	<b>4,517</b>	<b>8,315</b>	<b>11,599</b>	<b>14,596</b>	<b>16,811</b>	<b>18,032</b>	<b>19,635</b>	<b>21,270</b>	<b>23,088</b>	<b>25,393</b>	<b>27,692</b>	<b>30,571</b>	
2015/16	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	1,731	1,600	1,818	1,829	1,427	1,180	829	1,060	1,185	1,178	1,612	1,935	17,180
VWC	691	773	563	550	547	384	157	368	412	482	715	1,375	6,995
NCWD	347	373	325	276	233	199	148	195	206	250	319	411	3,282
LACo	0	0	0	0	0	0	0	1	0	0	0	0	1
<b>Total</b>	<b>2,769</b>	<b>2,946</b>	<b>2,524</b>	<b>2,455</b>	<b>2,207</b>	<b>1,743</b>	<b>1,134</b>	<b>1,622</b>	<b>1,803</b>	<b>1,888</b>	<b>2,646</b>	<b>3,721</b>	<b>27,458</b>
<b>Cum. FYTD</b>	<b>2,769</b>	<b>5,715</b>	<b>8,239</b>	<b>10,694</b>	<b>12,901</b>	<b>14,644</b>	<b>15,778</b>	<b>17,400</b>	<b>19,203</b>	<b>21,091</b>	<b>23,737</b>	<b>27,458</b>	
2016/17	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,404	2,663	2,368	2,128	1,712	1,377	952	844	1,359	2,040	2,456	2,772	23,075
VWC	1,565	1,640	1,305	1,080	607	620	643	784	1,123	1,728	2,499	2,614	16,188
NCWD	478	467	418	372	293	234	141	109	216	384	604	695	4,411
LACo	0	0	0	0	0	0	0	0	0	0	0	0	1
<b>Total</b>	<b>4,447</b>	<b>4,770</b>	<b>4,091</b>	<b>3,580</b>	<b>2,612</b>	<b>2,231</b>	<b>1,736</b>	<b>1,716</b>	<b>2,699</b>	<b>4,152</b>	<b>5,559</b>	<b>6,081</b>	<b>43,674</b>
<b>Cum. FYTD</b>	<b>4,447</b>	<b>9,218</b>	<b>13,309</b>	<b>16,888</b>	<b>19,501</b>	<b>21,732</b>	<b>23,467</b>	<b>25,184</b>	<b>27,882</b>	<b>32,034</b>	<b>37,593</b>	<b>43,674</b>	
2017/18	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	3,085	3,035	2,989	2,482	1,922	1,955	1,578	1,580	969	1,905	2,078	2,264	25,419
VWC	2,089	1,723	1,184	1,260	968	969	853	678	619	1,160	1,338	1,622	14,457
NCWD	785	856	845	801	640	556	253	275	157	349	473	808	6,800
LACo	0	0	0	0	0	0	0	1	0	0	1	0	3
<b>Total</b>	<b>5,959</b>	<b>5,615</b>	<b>4,619</b>	<b>4,522</b>	<b>3,528</b>	<b>3,481</b>	<b>2,884</b>	<b>2,532</b>	<b>1,746</b>	<b>3,414</b>	<b>3,885</b>	<b>4,695</b>	<b>46,680</b>
<b>Cum. FYTD</b>	<b>5,959</b>	<b>11,573</b>	<b>16,192</b>	<b>20,714</b>	<b>24,242</b>	<b>27,723</b>	<b>30,407</b>	<b>32,939</b>	<b>34,685</b>	<b>38,099</b>	<b>41,984</b>	<b>46,680</b>	
2018/19	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,694	2,818	2,535	2,174	1,882	1,274	1,110	493	1,177	1,770	1,632	2,169	21,746
VWC	1,921	2,026	1,743	1,300	1,084	459	513	232	1,205	1,819	1,701	2,193	16,195
NWD	1,023	1,012	881	537	382	214	181	76	352	428	422	603	6,110
LACo	1	0	0	1	0	0	1	1	1	0	0	0	5
<b>Total</b>	<b>5,639</b>	<b>5,855</b>	<b>5,160</b>	<b>4,011</b>	<b>3,349</b>	<b>1,947</b>	<b>1,805</b>	<b>802</b>	<b>2,735</b>	<b>4,016</b>	<b>3,754</b>	<b>4,985</b>	<b>44,057</b>
<b>Cum. FYTD</b>	<b>5,639</b>	<b>11,494</b>	<b>16,654</b>	<b>20,665</b>	<b>24,014</b>	<b>25,961</b>	<b>27,766</b>	<b>28,567</b>	<b>31,302</b>	<b>35,318</b>	<b>39,072</b>	<b>44,057</b>	
2019/20	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,610	2,743	2,475	2,310	1,845	980	0	0	0	0	0	0	12,964
VWC	2,491	2,518	2,348	2,145	1,526	604	0	0	0	0	0	0	11,631
NWD	721	518	492	422	280	130	0	0	0	0	0	0	2,563
LACo	2	0	0	1	1	1	0	0	0	0	0	0	5
<b>Total</b>	<b>5,823</b>	<b>5,779</b>	<b>5,316</b>	<b>4,879</b>	<b>3,651</b>	<b>1,715</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27,162</b>
<b>Cum. FYTD</b>	<b>5,823</b>	<b>11,602</b>	<b>16,918</b>	<b>21,796</b>	<b>25,448</b>	<b>27,162</b>	<b>27,162</b>	<b>27,162</b>	<b>27,162</b>	<b>27,162</b>	<b>27,162</b>	<b>27,162</b>	

\*Total does not include recycled water.

**SANTA CLARITA VALLEY WATER AGENCY**

*Record of Weather Observations*

December 2019

<b>DATE</b>	<b>High Temperature</b>	<b>Low Temperature</b>	<b>Precipitation 2019</b>	<b>Precipitation 2018</b>
1-Dec	53	41	0.00	0.00
2-Dec	66	36	0.00	0.00
3-Dec	61	41	0.00	0.00
4-Dec	56	48	1.24	0.00
5-Dec	61	8	0.00	1.13
6-Dec	63	44	0.18	1.61
7-Dec	59	52	0.18	0.00
8-Dec	60	43	0.32	0.01
9-Dec	67	38	0.01	0.01
10-Dec	67	36	0.01	0.00
11-Dec	69	35	0.01	0.00
12-Dec	75	43	0.00	0.00
13-Dec	73	44	0.00	0.00
14-Dec	63	44	0.01	0.00
15-Dec	53	36	0.00	0.00
16-Dec	57	33	0.00	0.00
17-Dec	54	36	0.00	0.00
18-Dec	57	28	0.00	0.00
19-Dec	62	31	0.00	0.00
20-Dec	67	40	0.00	0.00
21-Dec	67	38	0.00	0.00
22-Dec	62	36	0.57	0.00
23-Dec	53	40	0.40	0.00
24-Dec	57	34	0.01	0.00
25-Dec	52	41	1.29	0.01
26-Dec	48	37	0.88	0.00
27-Dec	54	32	0.00	0.00
28-Dec	61	28	0.00	0.00
29-Dec	57	30	0.01	0.00
30-Dec	55	42	0.00	0.00
31-Dec	62	40	0.00	0.00

<b>TOTAL</b>	<b>5.12</b>	<b>2.77</b>
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	<b>2019-2020</b>	<b>2018-2019</b>
<i>Total Precipitation of Current Month</i>	5.12	2.77
<i>Total Precipitation End of Previous Month</i>	2.62	2.39
<b>Total Precipitation Since October 1st</b>	<b>7.74</b>	<b>5.16</b>
<i>Temperature Averages for Current Month</i>		
<b>HIGH</b>	60.4	64.5
<b>LOW</b>	37.3	37.8

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

	<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>	<i>2008-09</i>
Oct	0.33	0.00	1.13	0.22	0.00	1.10	4.79	1.91	0.42	0.25	0.09
Nov	1.39	0.00	0.00	3.18	3.01	0.63	0.64	0.59	0.05	0.50	1.78
Dec	1.39	0.05	0.00	1.30	5.85	2.57	8.54	0.14	0.83	2.67	3.01
Jan	2.08	1.21	5.84	1.55	0.00	0.65	17.06	3.27	1.66	17.54	0.69
Feb	0.65	9.43	10.76	0.51	9.03	8.07	16.69	3.78	1.38	1.82	6.78
Mar	3.00	3.15	3.38	0.38	2.38	0.37	2.70	5.68	0.17	0.10	1.18
Apr	3.78	2.10	2.56	0.05	2.35	0.20	1.42	4.22	0.71	0.07	0.07
May	0.00	0.00	0.00	0.12	1.70	0.00	0.45	0.99	0.00	0.17	0.01
Jun	0.48	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03
Jul	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.04	0.00	0.00
Aug	0.00	0.31	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00
Sep	0.01	0.00	0.00	0.02	0.00	0.00	0.17	0.00	1.32	0.00	0.00
<b>TOTAL</b>	<b>13.11</b>	<b>16.25</b>	<b>23.67</b>	<b>7.34</b>	<b>24.34</b>	<b>13.59</b>	<b>52.55</b>	<b>20.58</b>	<b>6.58</b>	<b>23.12</b>	<b>13.64</b>
	<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>	<i>2019-20</i>
Oct	4.04	1.34	1.97	0.15	0.11	0.32	0.17	0.43	0.00	0.52	0.01
Nov	0.08	1.87	2.50	2.20	1.41	0.64	0.21	1.49	0.06	1.87	2.61
Dec	4.28	11.97	1.19	1.54	0.37	6.16	0.49	3.44	0.01	2.77	5.12
Jan	9.13	0.96	1.23	1.94	0.06	1.44	6.07	10.30	3.18	8.08	
Feb	4.96	5.36	0.13	0.42	5.26	0.74	0.69	8.98	0.35	8.56	
Mar	0.69	8.86	4.99	1.21	1.64	1.09	2.75	0.33	7.50	4.15	
Apr	2.40	0.12	4.02	0.00	0.31	0.16	0.37	0.09	0.02	0.09	
May	0.07	0.74	0.01	0.74	0.00	0.66	0.09	0.26	0.01	1.60	
Jun	0.00	0.04	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	
Jul	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	0.01	0.00	0.05	0.00	0.02	0.07	0.00	0.00	
Sep	0.00	0.00	0.02	0.00	0.00	0.78	0.00	0.13	0.02	0.03	
<b>TOTAL</b>	<b>25.65</b>	<b>31.27</b>	<b>16.07</b>	<b>8.28</b>	<b>9.23</b>	<b>12.87</b>	<b>10.87</b>	<b>25.53</b>	<b>11.15</b>	<b>27.68</b>	<b>7.74</b>

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	109	163	137	89	1112
N13	95	79	21	139	108	168	78	222	190	194	157	102	1552
C1	21	13	3	23	31	36	46	56	54	44	32	20	379
C2	6	5	0	13	18	20	24	11	27	21	16	10	173
C7	22	18	4	29	40	47	59	75	70	57	44	28	492
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
<b>TOTAL NWD</b>	<b>229</b>	<b>187</b>	<b>45</b>	<b>265</b>	<b>238</b>	<b>271</b>	<b>353</b>	<b>555</b>	<b>451</b>	<b>479</b>	<b>386</b>	<b>249</b>	<b>3708</b>

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	37	27	21	5	203
LOST CANYON NO.2A	0	24	1	30	59	50	85	101	77	54	42	11	534
SAND CANYON	3	29	1	38	69	91	91	94	86	58	45	16	621
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	1	0	1	4
SIERRA	15	54	1	1	6	41	29	13	16	27	2	10	215
NORTH OAKS EAST	2	35	1	2	1	2	2	1	2	0	0	0	48
NORTH OAKS CENTRAL	2	47	2	2	1	3	3	2	4	2	1	1	70
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	4	2	1	1	16
GUIDA	25	31	0	41	34	53	44	45	45	37	0	50	405
CLARK	19	32	0	29	25	39	32	32	28	39	24	34	333
SANTA CLARA	1	37	1	1	1	2	1	2	5	2	2	1	56
VALLEY CENTER	54	55	1	72	75	0	0	0	0	0	0	0	257
<b>TOTAL SCWD</b>	<b>122</b>	<b>354</b>	<b>8</b>	<b>216</b>	<b>271</b>	<b>295</b>	<b>333</b>	<b>342</b>	<b>304</b>	<b>249</b>	<b>138</b>	<b>130</b>	<b>2762</b>

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	14	16	14	7	155
E15	35	21	1	6	9	8	11	14	32	20	17	7	180
N	20	36	5	25	30	37	43	58	61	39	33	50	437
N7	91	23	8	23	40	49	43	109	100	59	37	68	649
N8	39	16	2	33	27	37	100	60	68	71	38	55	546
Q2	64	52	4	20	18	0	0	0	0	0	0	0	157
T7	8	4	2	4	6	7	21	39	16	26	6	10	148
U6	2	3	2	5	6	8	33	49	9	6	4	2	128
U4	3	2	1	3	3	3	18	23	5	6	4	2	71
S6	64	74	13	33	50	64	26	0	0	0	0	0	324
S7	24	24	8	5	13	8	10	17	8	13	9	12	151
S8	9	30	4	9	9	13	2	10	7	37	10	4	143
W11	24	30	2	56	49	73	88	103	1	0	61	27	513
W9	22	9	5	39	36	41	98	92	101	75	89	35	641
W10	87	61	8	36	52	74	71	147	152	141	76	93	999
159 (GOLF COURSE IRRIGATION)	0	0	0	0	0	5	0	0	0	2	1	0	9
160 (SYSTEM)	2	2	1	1	2	1	2	3	2	1	2	1	20
160 (GOLF COURSE IRRIGATION)	10	4	19	56	45	66	90	83	40	85	28	7	534
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	65	75	64	53	716
207	120	66	6	57	54	50	116	87	100	101	76	108	941
<b>TOTAL VWD</b>	<b>752</b>	<b>569</b>	<b>106</b>	<b>457</b>	<b>491</b>	<b>605</b>	<b>834</b>	<b>988</b>	<b>780</b>	<b>774</b>	<b>568</b>	<b>539</b>	<b>7462</b>

S1	143	116	149	146	149	142	140	117	129	141	141	145	1657
S2	132	114	139	130	128	131	127	125	132	122	123	126	1528
<b>TOTAL S1 &amp; S2</b>	<b>275</b>	<b>230</b>	<b>288</b>	<b>276</b>	<b>277</b>	<b>273</b>	<b>267</b>	<b>242</b>	<b>261</b>	<b>263</b>	<b>263</b>	<b>271</b>	<b>3186</b>

<b>TOTAL WELL PRODUCTION</b>	<b>1378</b>	<b>1340</b>	<b>447</b>	<b>1214</b>	<b>1276</b>	<b>1444</b>	<b>1787</b>	<b>2127</b>	<b>1796</b>	<b>1765</b>	<b>1355</b>	<b>1189</b>	<b>17118</b>
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WELL 201 (NON-SYSTEM)	106	31	106	99	108	101	105	103	102	105	85	104	1156
VALLEY CENTER (NON-SYSTEM)	0	0	0	0	0	0	0	0.33	0	0	0	0	0.33
Q2 (NON SYSTEM)	0	0	0	0	0	0.05	0.09	0.13	0.60	0	0.28	0.09	1.24
205 (NON-SYSTEM)	0	0	0	0	0	0	0	0	0	0	3.39	0	3.39

NEWHALL WATER DIVISION  
WATER PRODUCTION 2019 (ACRE-FEET)

GROUNDWATER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>NEWHALL SYSTEM</b>													
N12	85	72	17	60	41	0	147	191	109	163	137	89	1112
N13	95	79	21	139	108	168	78	222	190	194	157	102	1552
<b>CASTAIC SYSTEM</b>													
C1	21	13	3	23	31	36	46	56	54	44	32	20	379
C2	6	5	0	13	18	20	24	11	27	21	16	10	173
C7	22	18	4	29	40	47	59	75	70	57	44	28	492
<b>PINETREE SYSTEM</b>													
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
S1 & S2	74	62	77	74	74	73	72	65	70	71	71	73	854
<b>TOTAL GROUNDWATER</b>	<b>303</b>	<b>249</b>	<b>122</b>	<b>338</b>	<b>312</b>	<b>344</b>	<b>425</b>	<b>620</b>	<b>521</b>	<b>549</b>	<b>456</b>	<b>322</b>	<b>4562</b>
<b>IMPORT + S1 &amp; S2</b>													
<b>NEWHALL SYSTEM</b>													
N-3	13	1	156	109	162	216	233	73	128	65	23	0	1179
<b>CASTAIC SYSTEM</b>													
N-1	39	18	69	76	46	67	74	73	41	47	45	17	611
<b>PINETREE SYSTEM</b>													
N-2	87	48	88	156	139	197	233	239	206	202	136	78	1810
<b>TESORO SYSTEM</b>													
N-4	41	10	40	86	75	122	180	133	117	109	76	36	1024
<b>TOTAL IMPORT + S1 &amp; S2</b>	<b>181</b>	<b>76</b>	<b>352</b>	<b>428</b>	<b>422</b>	<b>603</b>	<b>721</b>	<b>518</b>	<b>492</b>	<b>422</b>	<b>280</b>	<b>130</b>	<b>4624</b>
<b>TOTAL GROUNDWATER (INCLUDES S1 &amp; S2)</b>	<b>303</b>	<b>249</b>	<b>122</b>	<b>338</b>	<b>312</b>	<b>344</b>	<b>425</b>	<b>620</b>	<b>521</b>	<b>549</b>	<b>456</b>	<b>322</b>	<b>4562</b>
<b>TOTAL IMPORT (NO S1 &amp; S2)</b>	<b>107</b>	<b>15</b>	<b>275</b>	<b>354</b>	<b>348</b>	<b>530</b>	<b>649</b>	<b>453</b>	<b>422</b>	<b>352</b>	<b>209</b>	<b>58</b>	<b>3770</b>
<b>TOTAL GROSS PRODUCTION (GW + IMPORT)</b>	<b>410</b>	<b>263</b>	<b>397</b>	<b>692</b>	<b>660</b>	<b>874</b>	<b>1074</b>	<b>1073</b>	<b>943</b>	<b>901</b>	<b>666</b>	<b>380</b>	<b>8333</b>
<b>TOTAL INTERTIE TRANSFERS</b>	<b>0</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-13</b>	<b>-52</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-15</b>
<b>TOTAL NET PRODUCTION</b>	<b>410</b>	<b>314</b>	<b>397</b>	<b>692</b>	<b>660</b>	<b>861</b>	<b>1022</b>	<b>1073</b>	<b>943</b>	<b>901</b>	<b>666</b>	<b>380</b>	<b>8318</b>
<b>% BY SOURCE</b>													
GROUNDWATER	74%	79%	31%	49%	47%	40%	42%	58%	55%	61%	69%	85%	55%
IMPORT	26%	5%	69%	51%	53%	62%	64%	42%	45%	39%	31%	15%	45%
INTERTIE	0%	16%	0%	0%	0%	-2%	-5%	0%	0%	0%	0%	0%	0%

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

<b>GROUNDWATER</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>TOTAL</b>
LOST CANYON NO.2	0	8	0	0	0	14	44	47	37	27	21	5	203
LOST CANYON NO.2A	0	24	1	30	59	50	85	101	77	54	42	11	534
SAND CANYON	3	29	1	38	69	91	91	94	86	58	45	16	621
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	1	0	1	4
SIERRA	15	54	1	1	6	41	29	13	16	27	2	10	215
NORTH OAKS EAST	2	35	1	2	1	2	2	1	2	0	0	0	48
NORTH OAKS CENTRAL	2	47	2	2	1	3	3	2	4	2	1	1	70
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	4	2	1	1	16
GUIDA	25	31	0	41	34	53	44	45	45	37	0	50	405
CLARK	19	32	0	29	25	39	32	32	28	39	24	34	333
SANTA CLARA	1	37	1	1	1	2	1	2	5	2	2	1	56
VALLEY CENTER	54	55	1	72	75	0	0	0	0	0	0	0	257
<b>TOTAL ALLUVIUM</b>	<b>122</b>	<b>354</b>	<b>8</b>	<b>216</b>	<b>271</b>	<b>295</b>	<b>333</b>	<b>342</b>	<b>304</b>	<b>249</b>	<b>138</b>	<b>130</b>	<b>2762</b>
<b>SAUGUS WELLS S1 &amp; S2</b>	<b>201</b>	<b>168</b>	<b>211</b>	<b>202</b>	<b>203</b>	<b>200</b>	<b>196</b>	<b>177</b>	<b>191</b>	<b>193</b>	<b>193</b>	<b>198</b>	<b>2332</b>
<b>TOTAL GROUNDWATER</b>	<b>323</b>	<b>522</b>	<b>219</b>	<b>418</b>	<b>474</b>	<b>495</b>	<b>529</b>	<b>519</b>	<b>495</b>	<b>442</b>	<b>331</b>	<b>328</b>	<b>5094</b>
<b>IMPORT + S1 &amp; S2</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>TOTAL</b>
SC-1 BOUQUET	191	83	175	136	143	171	233	302	269	225	221	155	2303
SC-2 HONBY	179	2	126	166	171	250	307	341	311	303	163	102	2422
SC-3 WILEY	50	52	52	93	79	111	185	199	186	185	139	73	1404
SC-4 HONBY #2	200	119	284	320	354	520	614	599	531	455	301	190	4487
SC-5 RIO VISTA	0	0	38	194	204	250	237	233	222	227	180	10	1795
SC-6 LOST CANYON	55	68	26	219	95	126	200	215	144	166	201	108	1624
SC-7	26	12	50	52	52	110	117	123	113	103	71	43	872
SC-8	79	20	112	131	215	303	324	327	298	209	163	93	2273
SC-9	40	50	70	85	46	52	130	173	176	135	44	46	1048
SC-10	35	17	76	172	67	25	24	24	20	76	172	39	748
SC-11	38	2	17	0	6	2	5	7	4	21	15	1	117
SC-12	180	66	115	140	125	166	176	172	175	170	156	103	1743
SC-13	37	1	37	62	73	104	59	27	25	38	20	15	497
<b>TOTAL IMPORT + S1 &amp; S2</b>	<b>1110</b>	<b>493</b>	<b>1,177</b>	<b>1,770</b>	<b>1,632</b>	<b>2,189</b>	<b>2,610</b>	<b>2,743</b>	<b>2,475</b>	<b>2,310</b>	<b>1,845</b>	<b>980</b>	<b>21,334</b>
<b>METERING ADJUSTMENT</b>	<b>-9</b>	<b>-5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-3</b>	<b>0</b>	<b>-0.17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-17</b>	<b>-35</b>
<b>NET IMPORT + S1 &amp; S2</b>	<b>1,100</b>	<b>488</b>	<b>1,177</b>	<b>1,770</b>	<b>1,632</b>	<b>2,186</b>	<b>2,610</b>	<b>2,742</b>	<b>2,475</b>	<b>2,310</b>	<b>1,845</b>	<b>963</b>	<b>21,299</b>
<b>TOTAL GROUNDWATER (INCLUDES S1 &amp; S2)</b>	<b>323</b>	<b>522</b>	<b>219</b>	<b>418</b>	<b>474</b>	<b>495</b>	<b>529</b>	<b>519</b>	<b>495</b>	<b>442</b>	<b>331</b>	<b>328</b>	<b>5094</b>
<b>TOTAL IMPORT (NO S1 &amp; S2)</b>	<b>908</b>	<b>324</b>	<b>967</b>	<b>1,568</b>	<b>1,429</b>	<b>1,989</b>	<b>2,416</b>	<b>2,566</b>	<b>2,284</b>	<b>2,118</b>	<b>1,652</b>	<b>782</b>	<b>19,002</b>
<b>TOTAL GROSS PRODUCTION (GW + IMPORT)</b>	<b>1,232</b>	<b>847</b>	<b>1,185</b>	<b>1,986</b>	<b>1,903</b>	<b>2,484</b>	<b>2,943</b>	<b>3,085</b>	<b>2,779</b>	<b>2,559</b>	<b>1,983</b>	<b>1,110</b>	<b>24,096</b>
<b>TOTAL INTERTIE TRANSFERS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL NET PRODUCTION</b>	<b>1,232</b>	<b>847</b>	<b>1,185</b>	<b>1,986</b>	<b>1,903</b>	<b>2,484</b>	<b>2,943</b>	<b>3,085</b>	<b>2,779</b>	<b>2,559</b>	<b>1,983</b>	<b>1,110</b>	<b>24,096</b>
<b>% BY SOURCE</b>													
GROUNDWATER	26%	62%	18%	21%	25%	20%	18%	17%	18%	17%	17%	30%	21%
IMPORT	74%	38%	82%	79%	75%	80%	82%	83%	82%	83%	83%	70%	79%
INTERTIE	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>VALLEY CENTER (NON-SYSTEM) *</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.33</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.33</b>

\* 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	14	16	14	7	155
E15	35	21	1	6	9	8	11	14	32	20	17	7	180
N	20	36	5	25	30	37	43	58	61	39	33	50	437
N7	91	23	8	23	40	49	43	109	100	59	37	68	649
N8	39	16	2	33	27	37	100	60	68	71	38	55	546
Q2	64	52	4	20	18	0	0	0	0	0	0	0	157
T7	8	4	2	4	6	7	21	39	16	26	6	10	148
U6	2	3	2	5	6	8	33	49	9	6	4	2	128
U4	3	2	1	3	3	3	18	23	5	6	4	2	71
S6	64	74	13	33	50	64	26	0	0	0	0	0	324
S7	24	24	8	5	13	8	10	17	8	13	9	12	151
S8	9	30	4	9	9	13	2	10	7	37	10	4	143
W11	24	30	2	56	49	73	88	103	1	0	61	27	513
W9	22	9	5	39	36	41	98	92	101	75	89	35	641
W10	87	61	8	36	52	74	71	147	152	141	76	93	999
<b>TOTAL ALLUVIUM</b>	<b>525</b>	<b>412</b>	<b>73</b>	<b>302</b>	<b>353</b>	<b>428</b>	<b>568</b>	<b>731</b>	<b>573</b>	<b>510</b>	<b>397</b>	<b>370</b>	<b>5243</b>
<b>SAUGUS</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>TOTAL</b>
159	0	0	0	0	0	5	0	0	0	2	1	0	9
160 - DOM	2	2	1	1	2	1	2	3	2	1	2	1	20
160 - VGC*	10	4	19	56	45	66	90	83	40	85	28	7	534
201	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	65	75	64	53	716
207	120	66	6	57	54	50	116	87	100	101	76	108	941
<b>TOTAL SAUGUS</b>	<b>226</b>	<b>157</b>	<b>33</b>	<b>156</b>	<b>138</b>	<b>177</b>	<b>265</b>	<b>257</b>	<b>207</b>	<b>264</b>	<b>171</b>	<b>169</b>	<b>2219</b>
<b>IMPORT WATER</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>TOTAL</b>
V-1	83	23	115	160	204	240	323	351	312	306	237	148	2501
V-2	65	42	180	351	289	427	452	454	462	395	208	39	3363
V-4	25	14	154	251	229	266	311	330	334	302	92	88	2397
V-5	96	63	180	143	159	307	447	461	406	401	267	155	3086
V-6	99	37	84	60	67	67	70	96	81	67	79	40	846
V-7	18	8	61	160	115	148	150	124	116	61	40	5	1005
V-8	128	46	431	694	637	738	738	701	637	612	603	131	6095
<b>TOTAL IMPORT</b>	<b>513</b>	<b>232</b>	<b>1205</b>	<b>1,819</b>	<b>1,701</b>	<b>2,193</b>	<b>2,491</b>	<b>2,518</b>	<b>2,348</b>	<b>2,145</b>	<b>1,526</b>	<b>604</b>	<b>19,293</b>
<b>TOTAL GROUNDWATER</b>	<b>752</b>	<b>569</b>	<b>106</b>	<b>457</b>	<b>491</b>	<b>605</b>	<b>834</b>	<b>988</b>	<b>780</b>	<b>774</b>	<b>568</b>	<b>539</b>	<b>7,462</b>
<b>TOTAL IMPORT</b>	<b>513</b>	<b>232</b>	<b>1,205</b>	<b>1,819</b>	<b>1,701</b>	<b>2,193</b>	<b>2,491</b>	<b>2,518</b>	<b>2,348</b>	<b>2,145</b>	<b>1,526</b>	<b>604</b>	<b>19,293</b>
<b>TOTAL GROSS PRODUCTION</b>	<b>1,265</b>	<b>801</b>	<b>1,311</b>	<b>2,276</b>	<b>2,192</b>	<b>2,797</b>	<b>3,324</b>	<b>3,506</b>	<b>3,128</b>	<b>2,919</b>	<b>2,094</b>	<b>1,143</b>	<b>26,755</b>
<b>TOTAL INTERTIE TRANSFERS</b>	<b>0</b>	<b>-50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>52</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>
<b>TOTAL NET PRODUCTION</b>	<b>1,265</b>	<b>751</b>	<b>1,311</b>	<b>2,276</b>	<b>2,192</b>	<b>2,811</b>	<b>3,377</b>	<b>3,506</b>	<b>3,128</b>	<b>2,919</b>	<b>2,094</b>	<b>1,143</b>	<b>26,770</b>
<b>% BY SOURCE</b>													
GROUNDWATER	59%	71%	7%	18%	21%	20%	23%	26%	24%	24%	26%	47%	26%
IMPORT WATER	41%	29%	93%	82%	79%	80%	77%	74%	76%	76%	74%	53%	74%
INTERTIE	0%	-7%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
<b>RECYCLED WATER</b>	<b>2</b>	<b>0</b>	<b>10</b>	<b>50</b>	<b>36</b>	<b>59</b>	<b>76</b>	<b>70</b>	<b>64</b>	<b>65</b>	<b>25</b>	<b>2</b>	<b>458</b>
Well 201 Discharge *	106	31	106	99	108	101	105	103	102	105	85	104	1156
Well Q2 Non-System *	0	0	0	0	0	0.05	0.09	0.13	0.60	0	0.28	0.09	1.24
Well 205 Non-System *	0	0	0	0	0	0	0	0	0	0	3.39	0	3.39

\*Not used in the calculation for % by source



**LOS ANGELES COUNTY WATERWORKS DISTRICT 36**

**SOURCE**

<b>TURNOUT</b>	<b>Jan-19</b>	<b>Feb-19</b>	<b>Mar-19</b>	<b>Apr-19</b>	<b>May-19</b>	<b>Jun-19</b>	<b>Jul-19</b>	<b>Aug-19</b>	<b>Sep-19</b>	<b>Oct-19</b>	<b>Nov-19</b>	<b>Dec-19</b>	<b>TOTAL</b>
LA 1	0.0491	0	0.0276	0.046	0	0.00	0	0	0	0.0368	0	0.003069	0.16
LA 2	1.0925	0.5371	0.5432	0	0	0.00	1.989	0.3744	0.491	0.7488	0.5094	0.512504	6.80
<b>TOTAL</b>	<b>1.1416</b>	<b>0.5371</b>	<b>0.5708</b>	<b>0.046</b>	<b>0</b>	<b>0</b>	<b>1.989</b>	<b>0.3744</b>	<b>0.491</b>	<b>0.7856</b>	<b>0.5094</b>	<b>0.52</b>	<b>6.96</b>

**RAW WATER**

<b>SOURCE</b>	<b>Jan-19</b>	<b>Feb-19</b>	<b>Mar-19</b>	<b>Apr-19</b>	<b>May-19</b>	<b>Jun-19</b>	<b>Jul-19</b>	<b>Aug-19</b>	<b>Sep-19</b>	<b>Oct-19</b>	<b>Nov-19</b>	<b>Dec-19</b>	<b>TOTAL</b>
RVTP	85	0	933	1,910	1683	2175	2,588	2,577	2,404	2,360	1,733	87	18,533.71
ESTP	1,560	458	1,665	1,992	1869	2622	3,071	3,057	2,719	2,360	1,617	896	23,885.90
Wells	275	230	288	276	277	273	267	242	261	263	263	271	3,185.75
<b>TOTAL</b>	<b>1,920</b>	<b>688</b>	<b>2,886</b>	<b>4,178</b>	<b>3,828</b>	<b>5,071</b>	<b>5,926</b>	<b>5,875</b>	<b>5,384</b>	<b>4,983</b>	<b>3,613</b>	<b>1,254</b>	<b>45,605.37</b>

**S1/S2 TREATMENT**

<b>SOURCE</b>	<b>Jan-19</b>	<b>Feb-19</b>	<b>Mar-19</b>	<b>Apr-19</b>	<b>May-19</b>	<b>Jun-19</b>	<b>Jul-19</b>	<b>Aug-19</b>	<b>Sep-19</b>	<b>Oct-19</b>	<b>Nov-19</b>	<b>Dec-19</b>	<b>TOTAL</b>
S1	143.2	115.9	148.82	145.9	148.67	142.1	139.7	117.34	129.21	140.96	140.69	144.92	1657.43
S2	131.98	114.01	138.91	129.74	128.26	131.08	127.4	124.54	131.85	122.19	122.66	125.72	1528.32
<b>TOTAL</b>	<b>275.17</b>	<b>229.91</b>	<b>287.73</b>	<b>275.65</b>	<b>276.93</b>	<b>273.18</b>	<b>267.1</b>	<b>241.88</b>	<b>261.06</b>	<b>263.15</b>	<b>263.36</b>	<b>270.64</b>	<b>3185.75</b>

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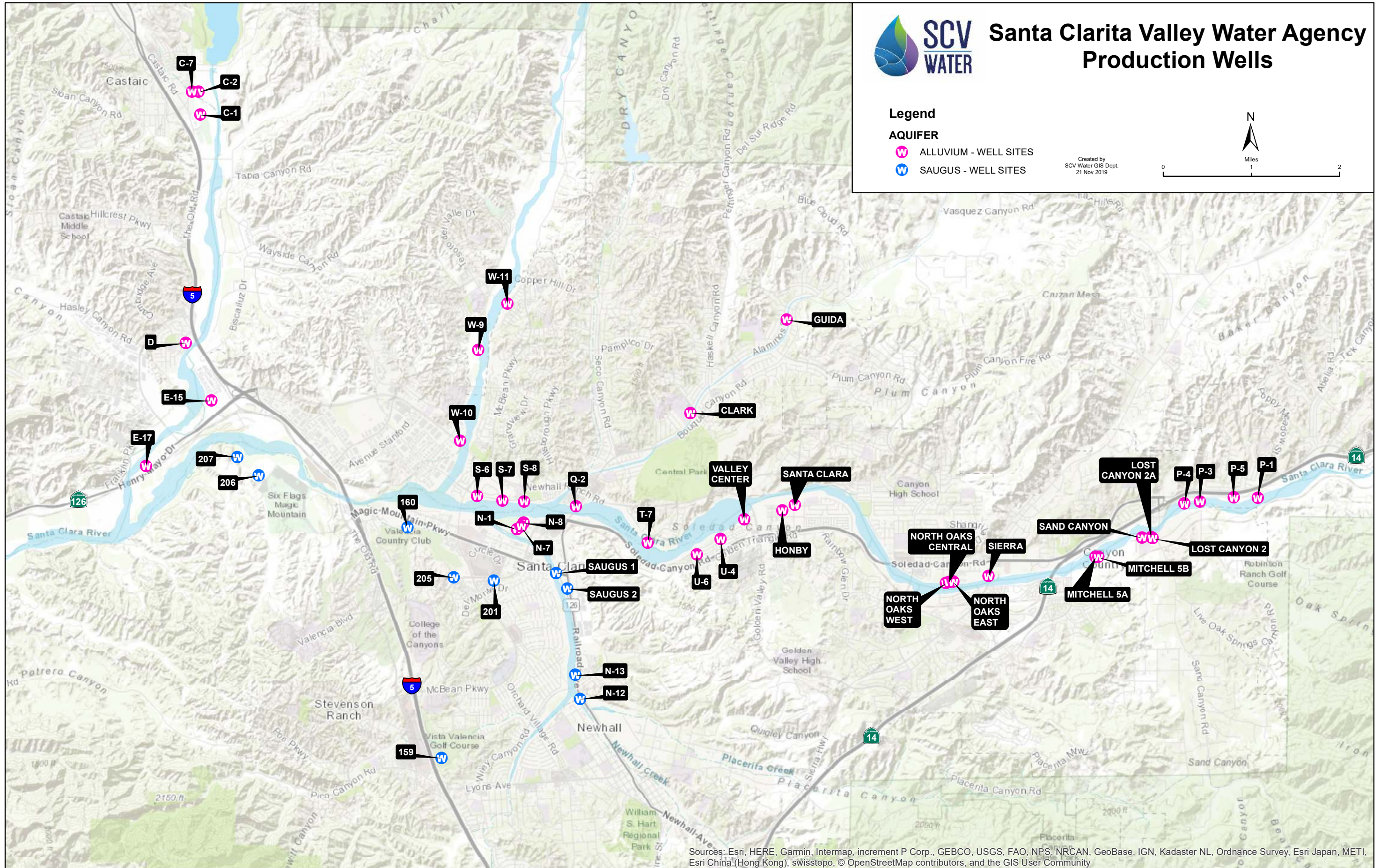
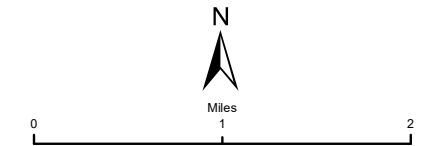
# Santa Clarita Valley Water Agency Production Wells

## Legend

### AQUIFER

-  ALLUVIUM - WELL SITES
-  SAUGUS - WELL SITES

Created by  
SCV Water GIS Dept.  
21 Nov 2019



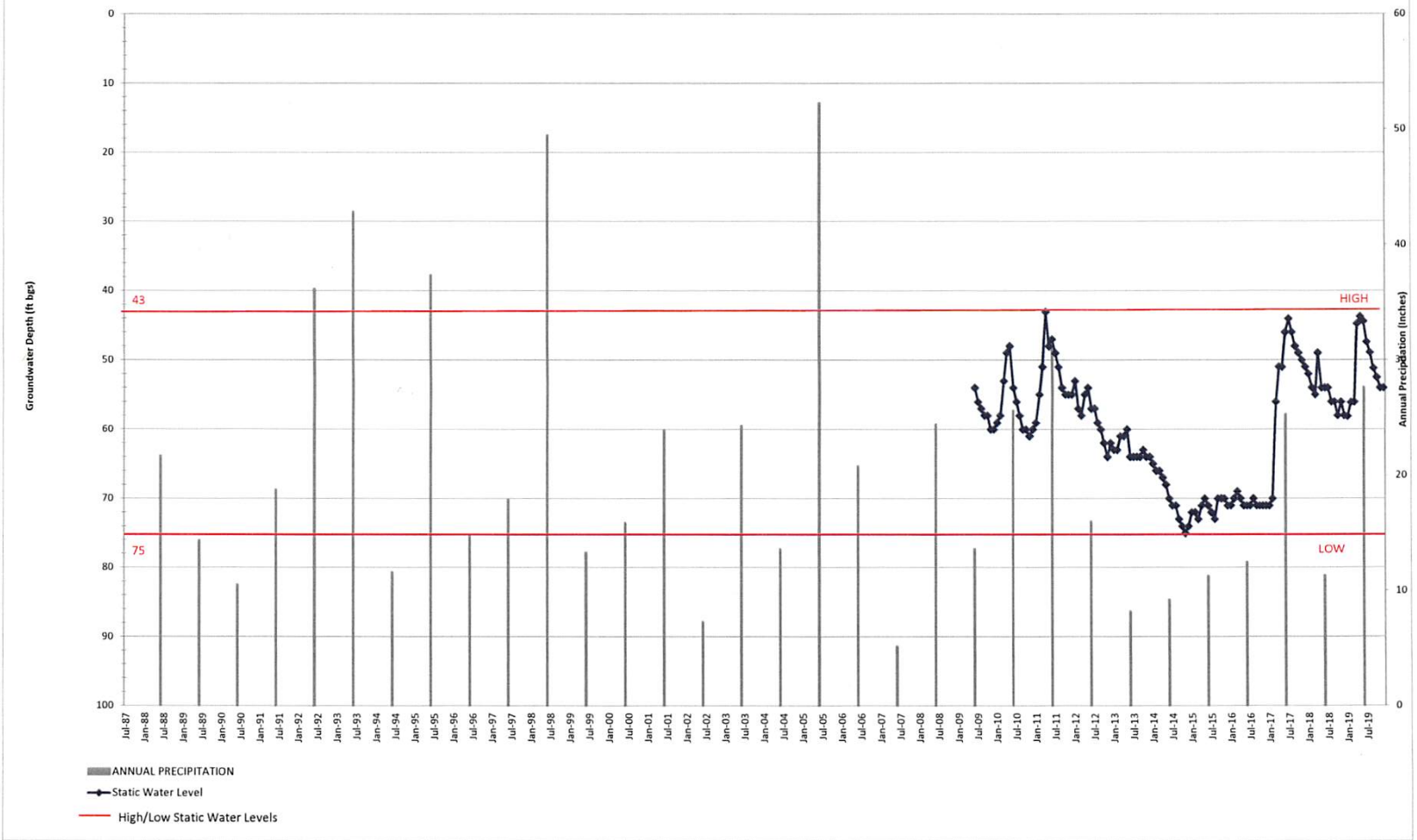
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

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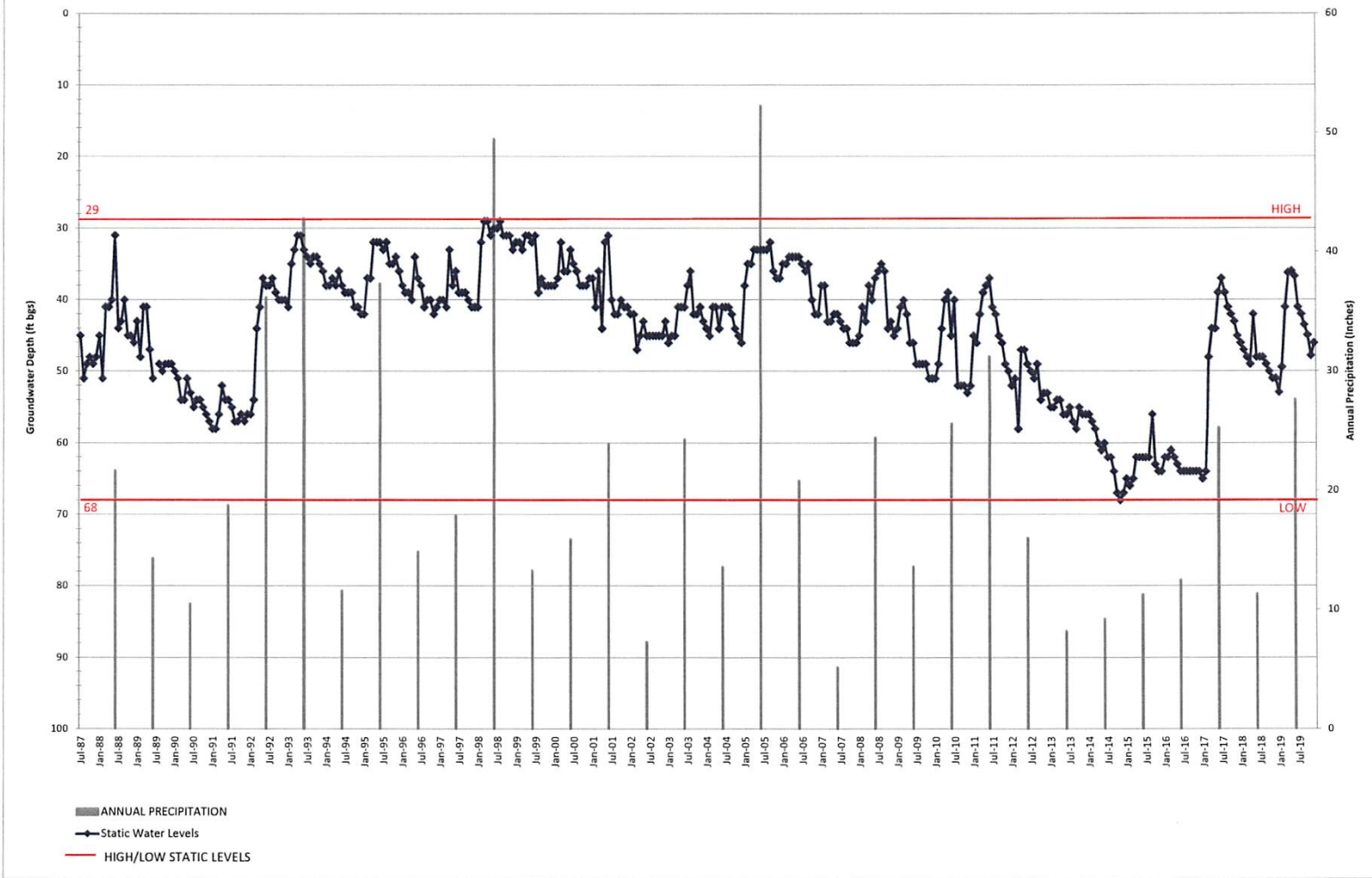


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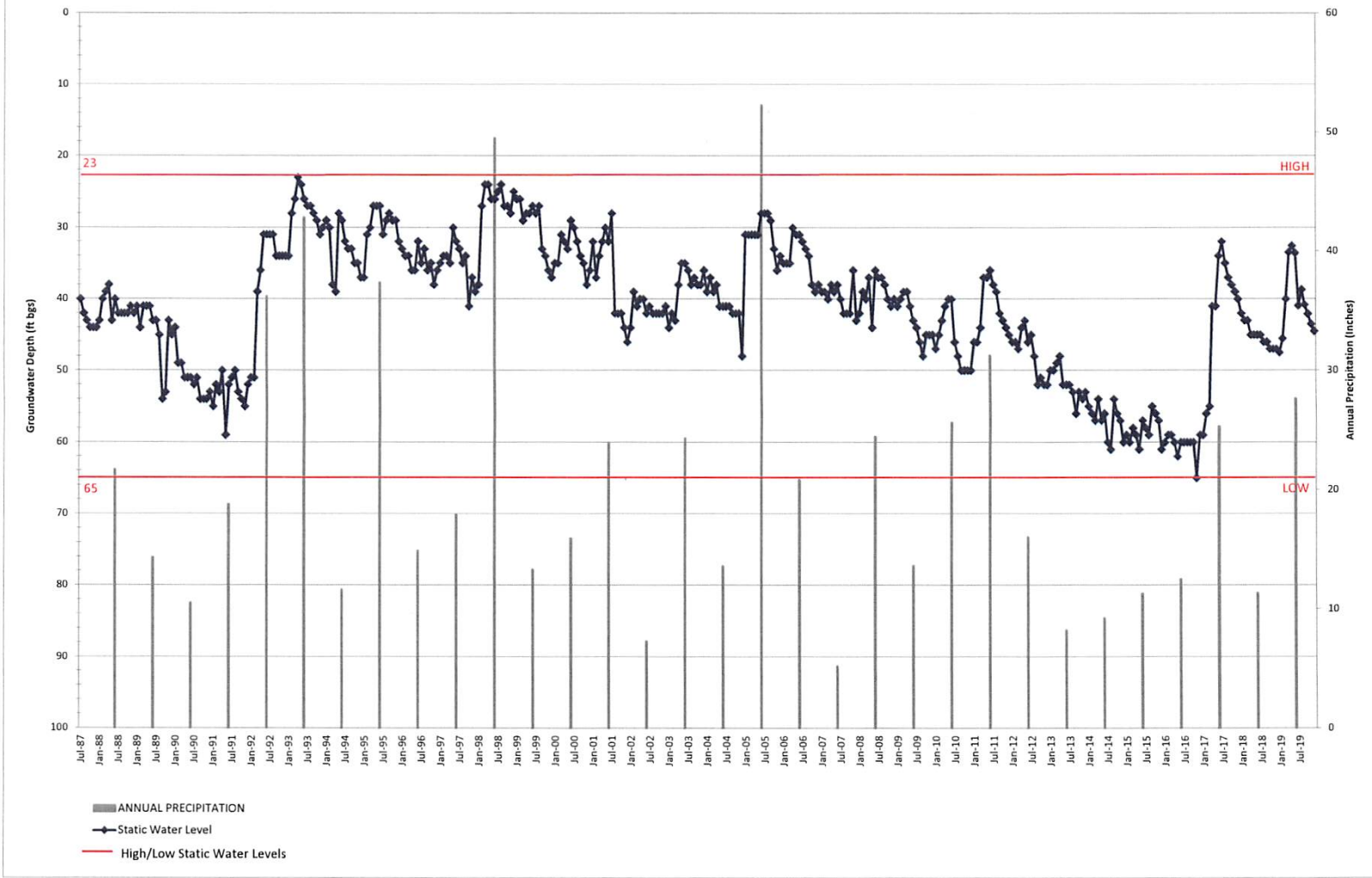
**SCV WATER WELL C7**  
**STATIC WATER LEVEL VS PRECIPITATION**



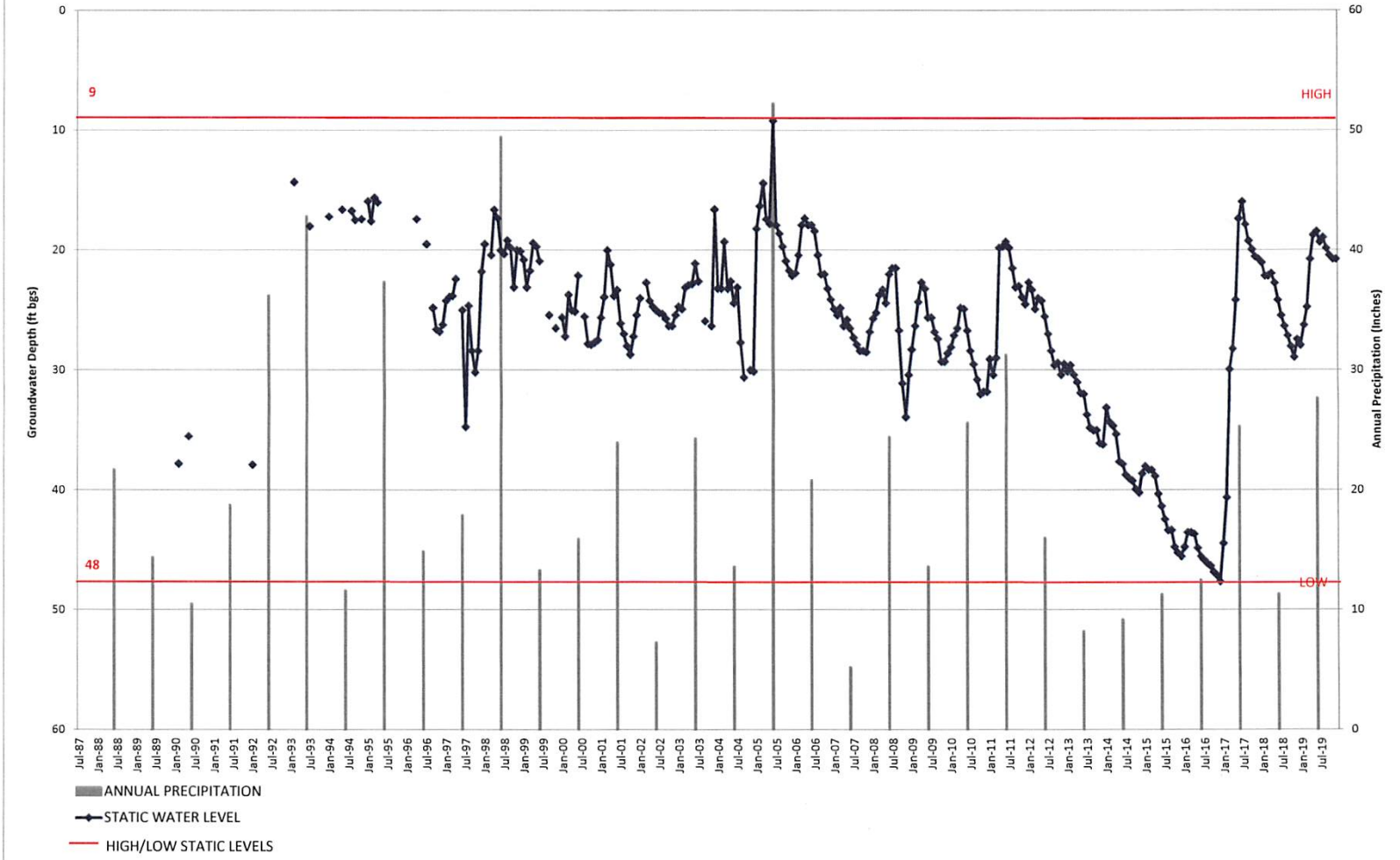
**SCV WATER WELL C2**  
**STATIC WATER LEVEL VS PRECIPITATION**



**SCV WATER WELL C1**  
**STATIC WATER LEVEL VS PRECIPITATION**

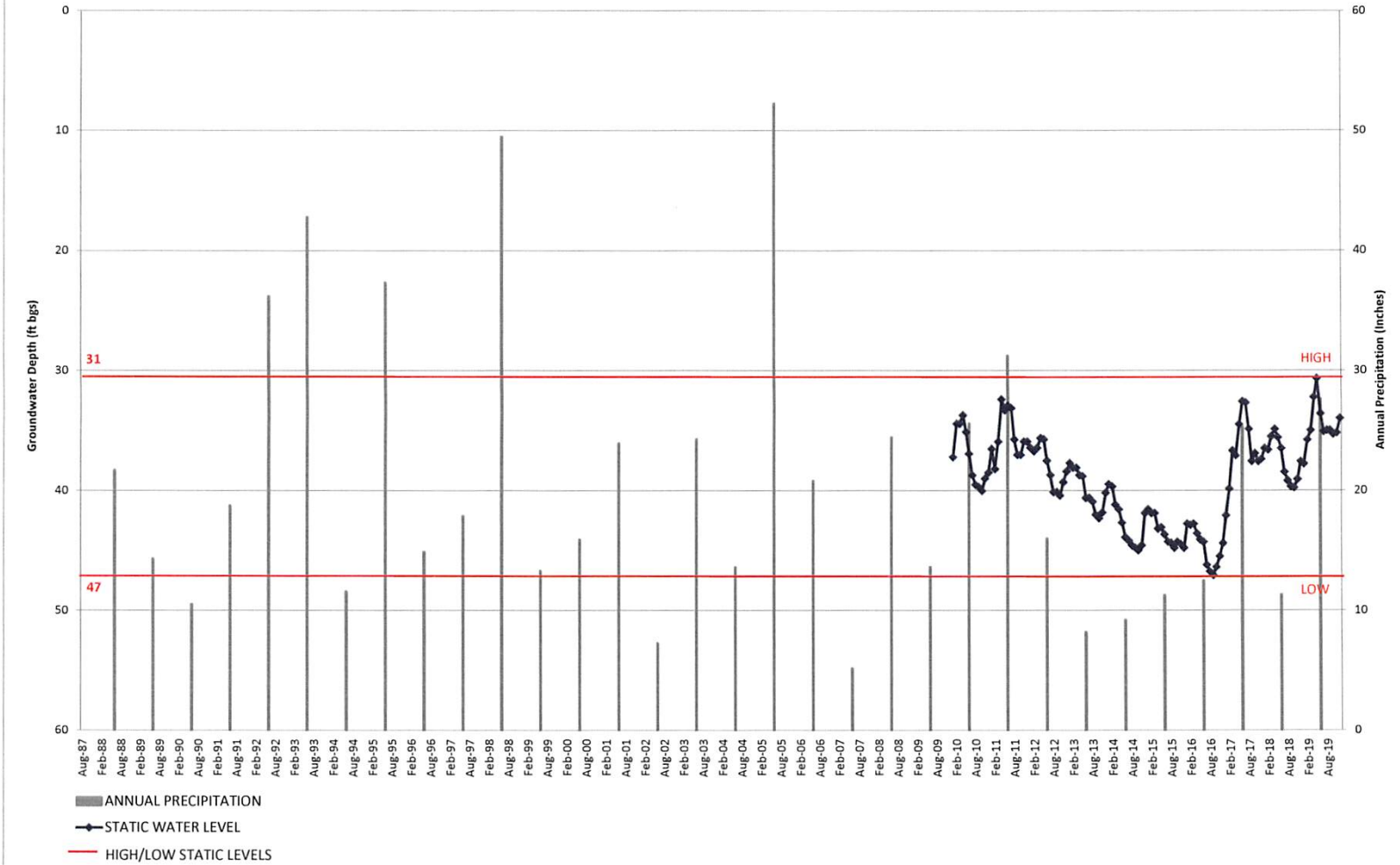


**SCV WATER WELL D**  
 STATIC WATER LEVEL VS PRECIPITATION

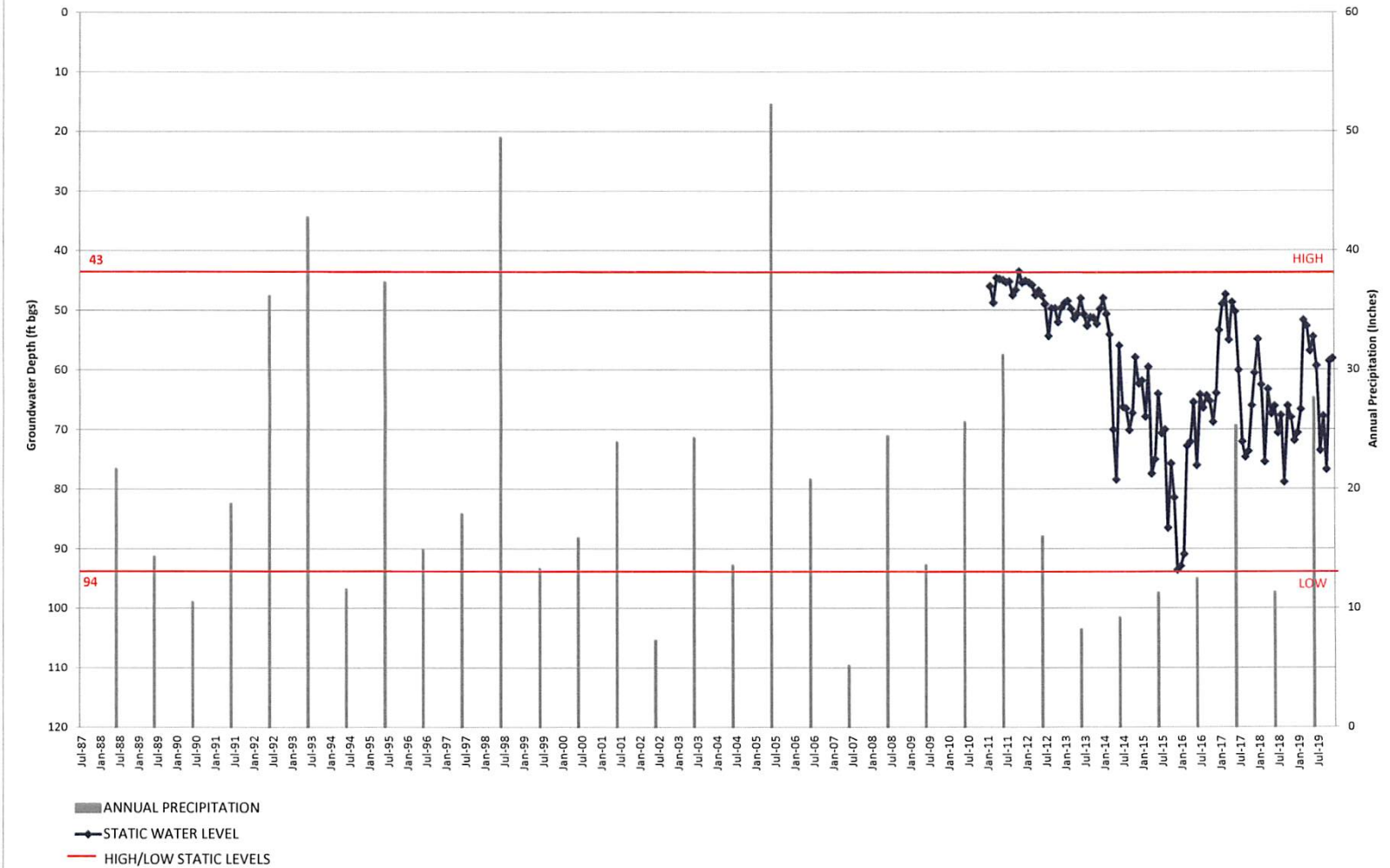




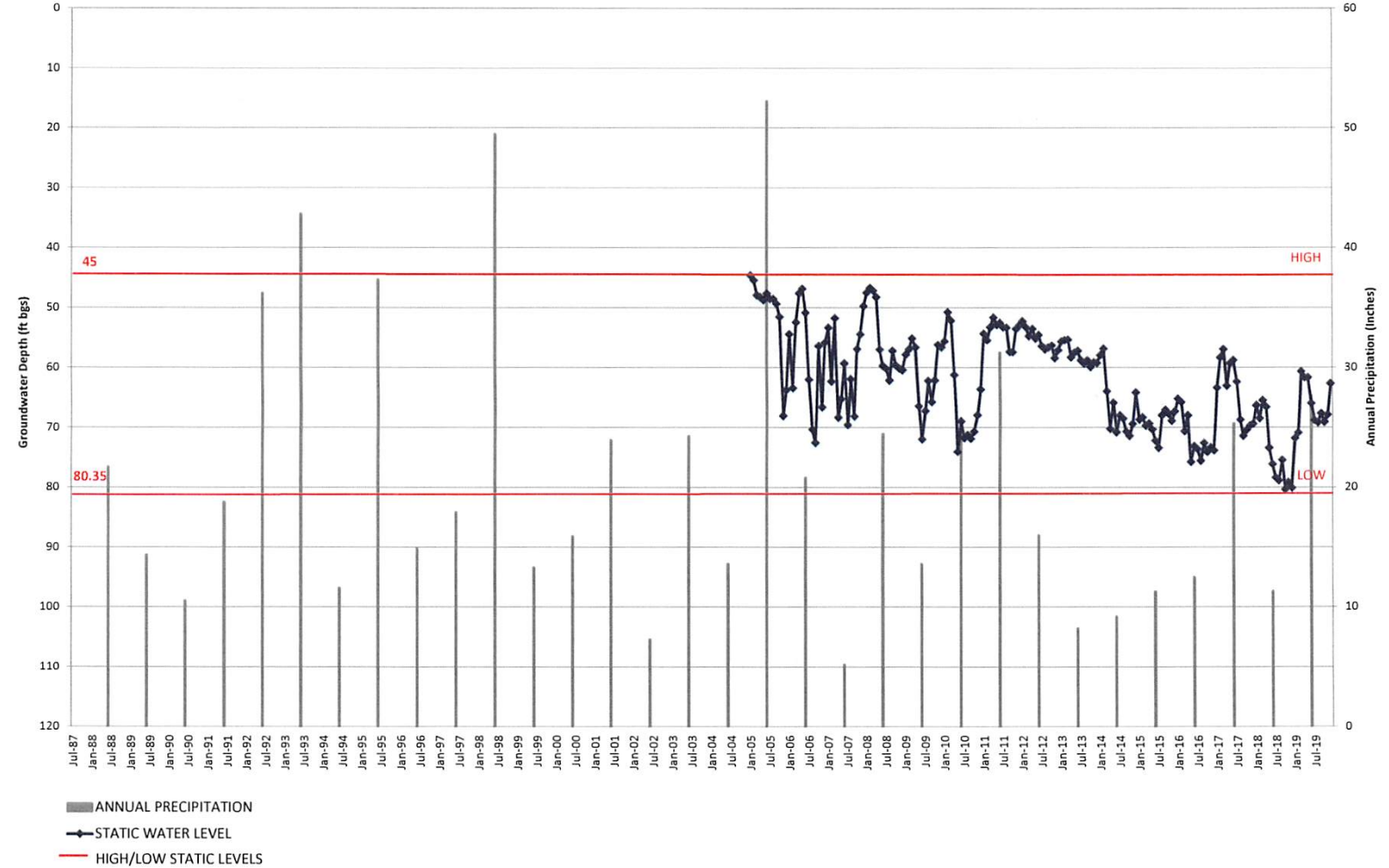
**SCV WATER WELL E15**  
 STATIC WATER LEVEL VS. PRECIPITATION



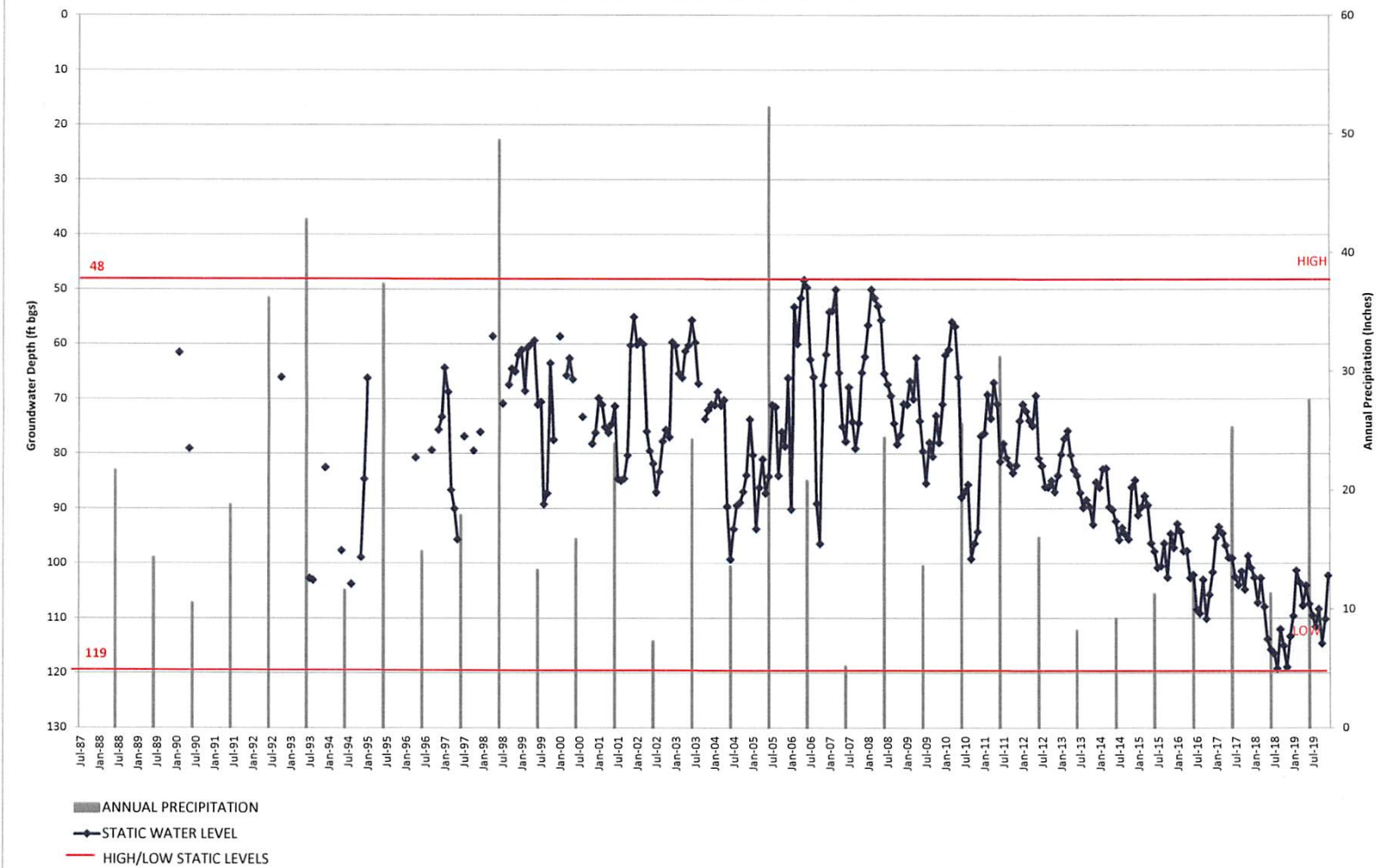
**SCV WATER WELL 207**  
 STATIC WATER LEVEL VS PRECIPITATION



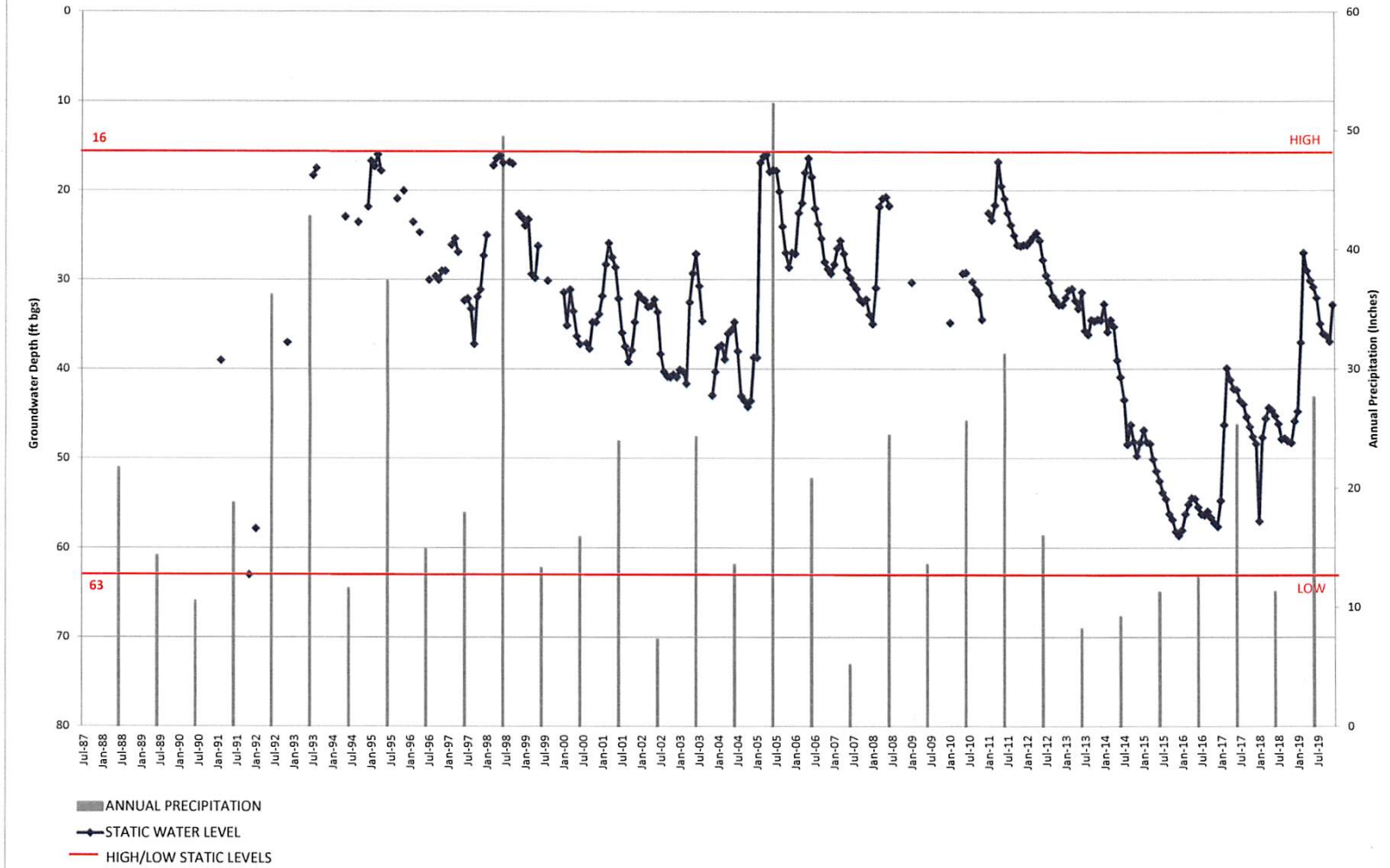
**SCV WATER WELL 206**  
 STATIC WATER LEVEL VS PRECIPITATION



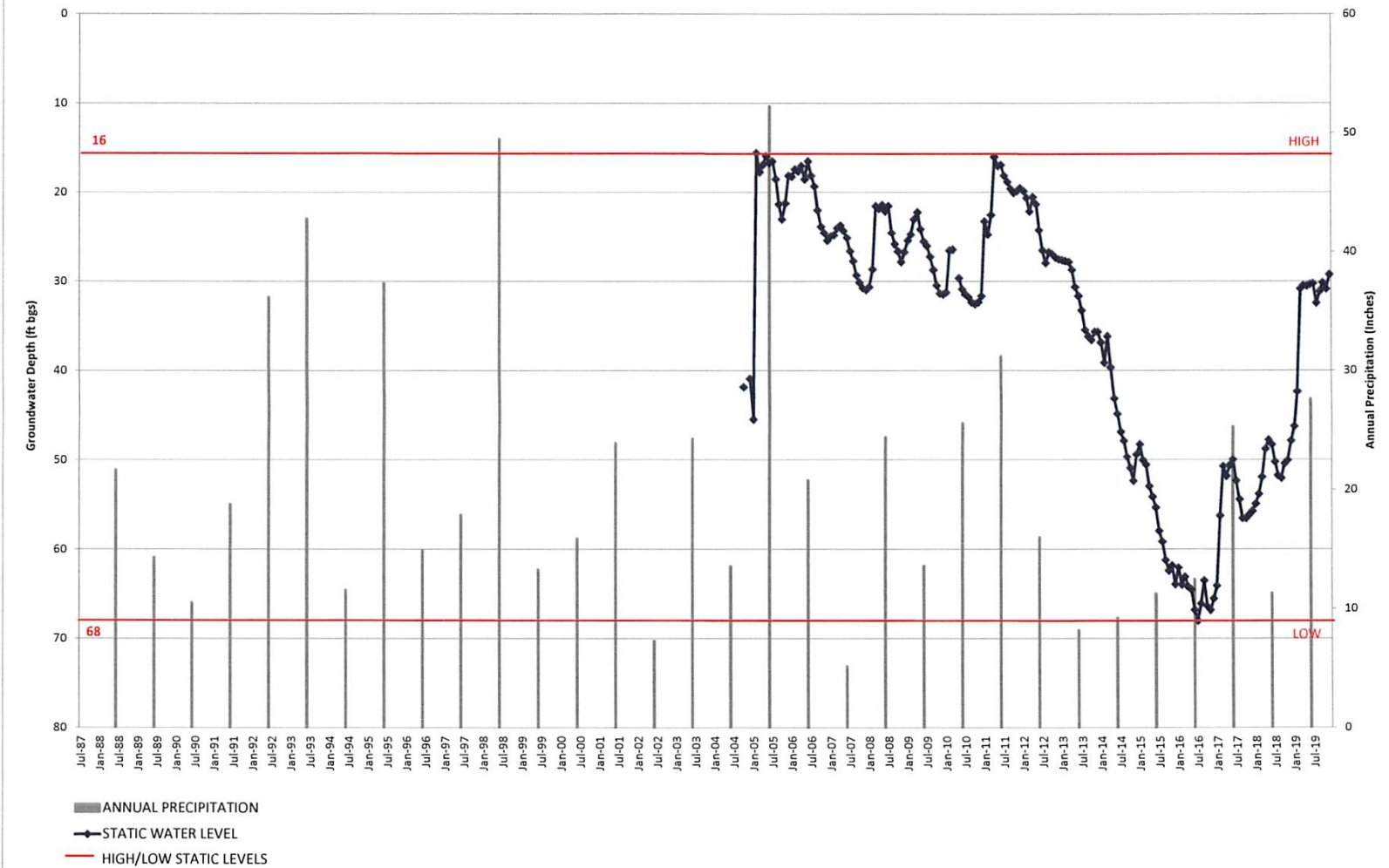
**SCV WATER WELL 160**  
 STATIC WATER LEVEL VS PRECIPITATION



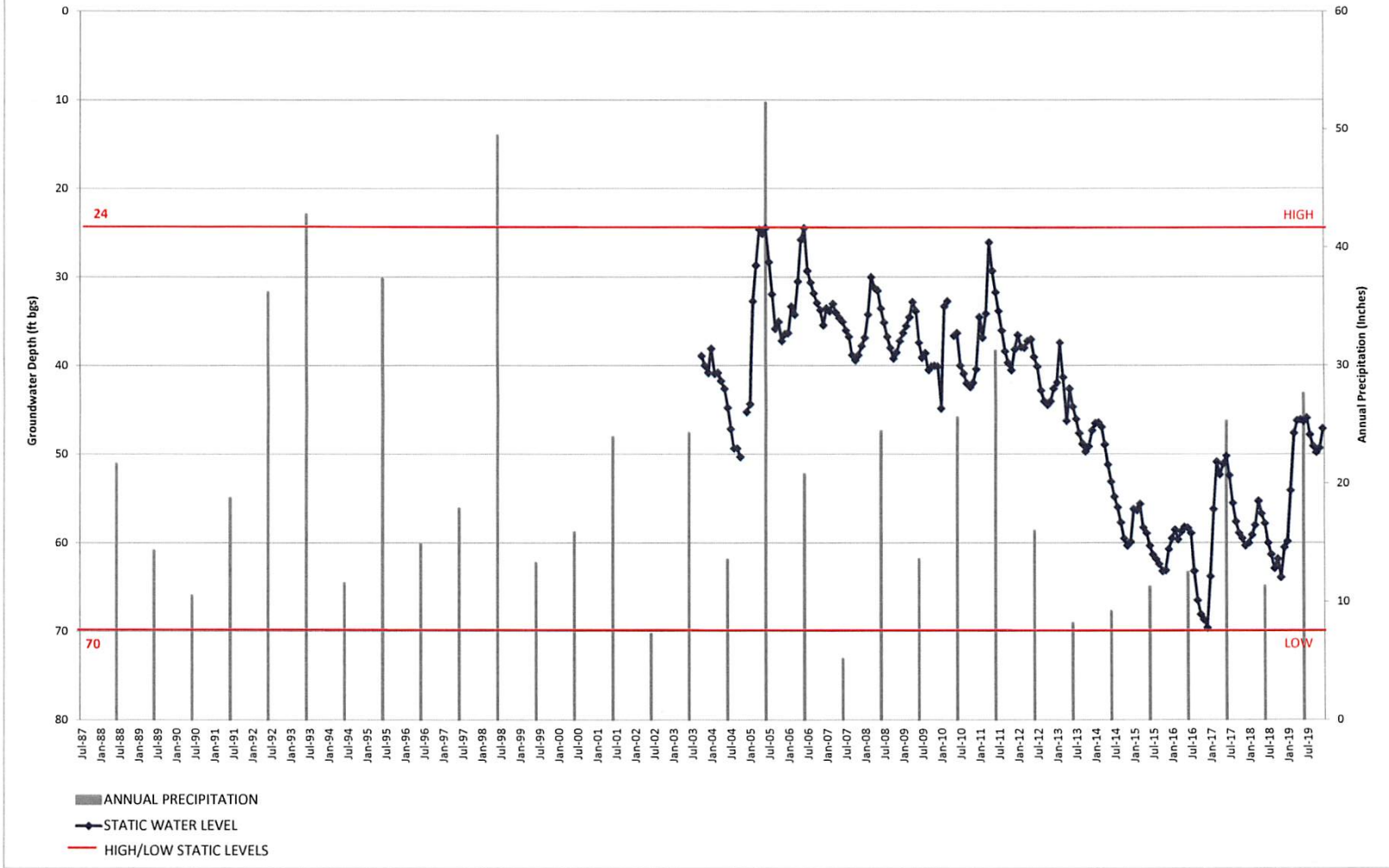
**SCV WATER WELL W9**  
**STATIC WATER LEVEL VS PRECIPITATION**



**SCV WATER WELL W11**  
 STATIC WATER LEVEL PRECIPITATION

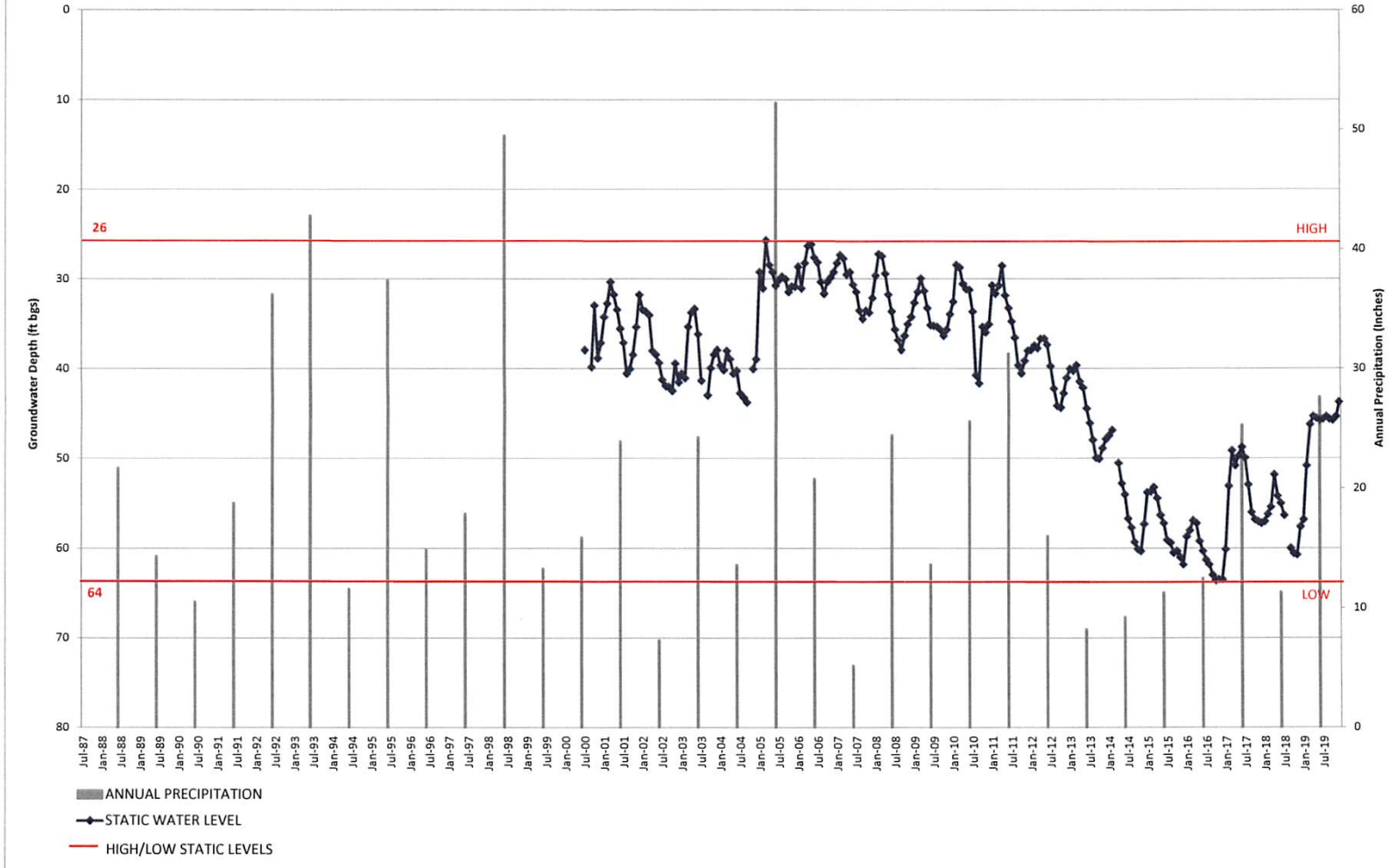


**SCV WATER WELL W10**  
 STATIC WATER LEVEL VS PRECIPITATION



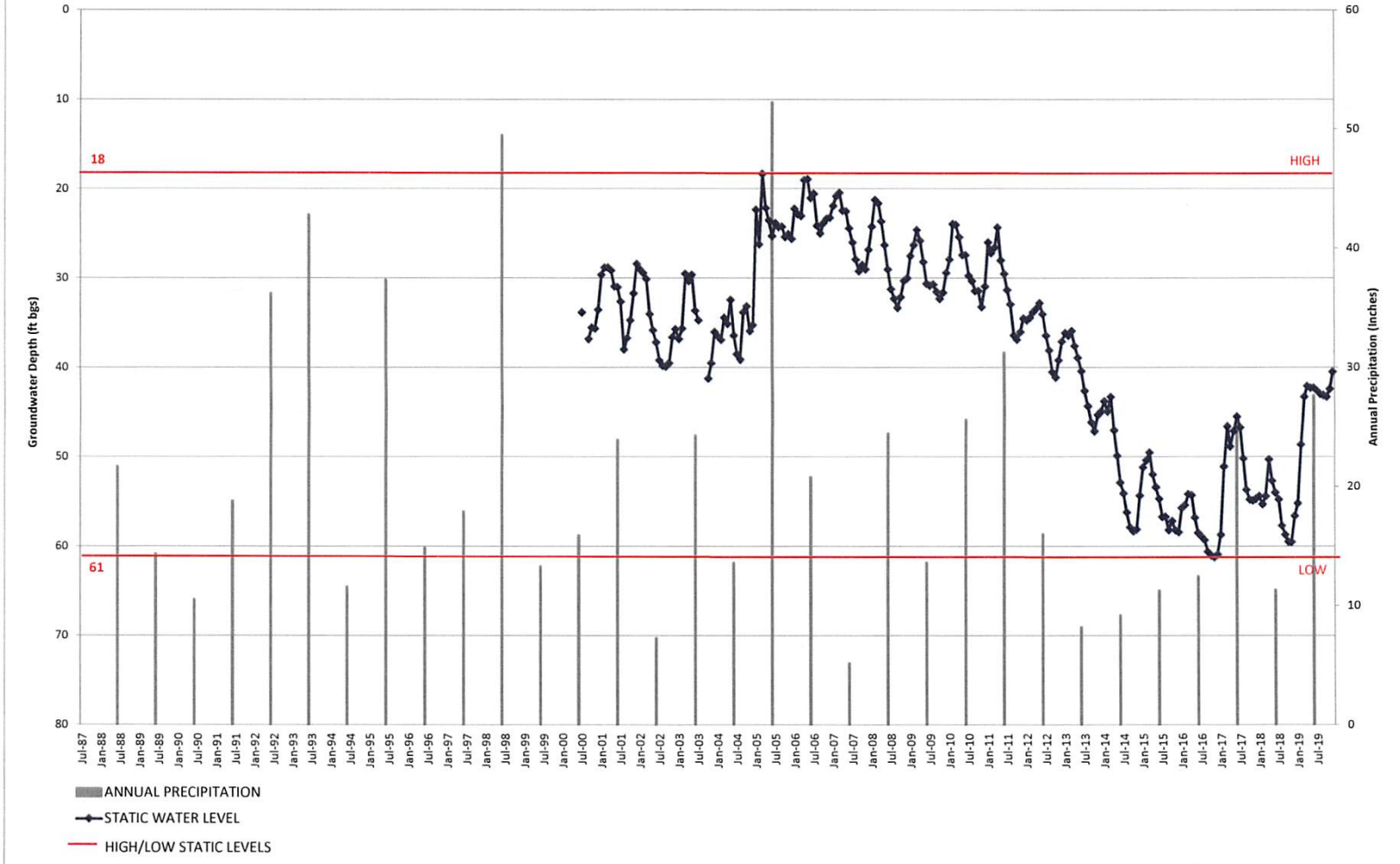


**SCV WATER WELL S6**  
**STATIC WATER LEVEL VS PRECIPITATION**

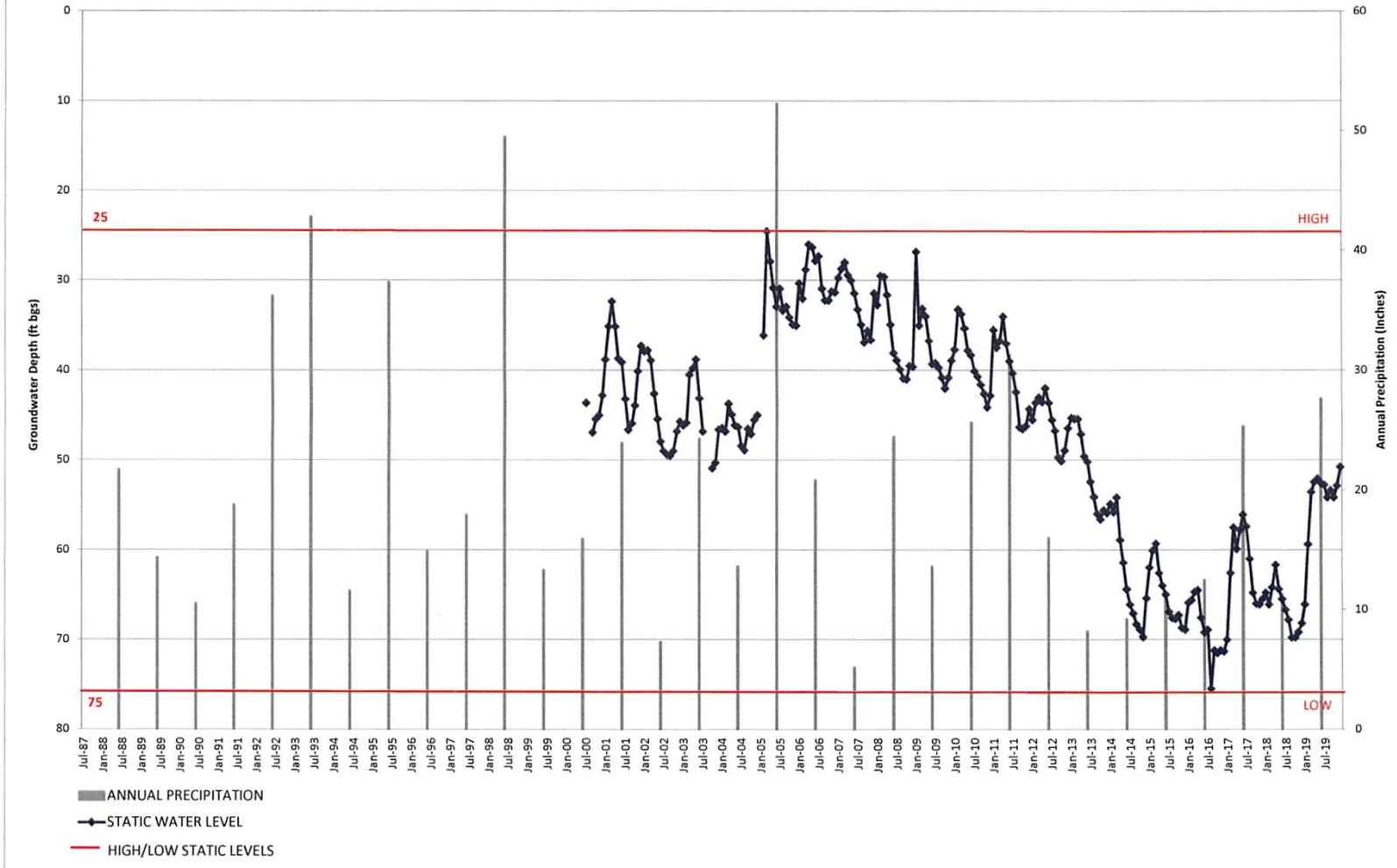




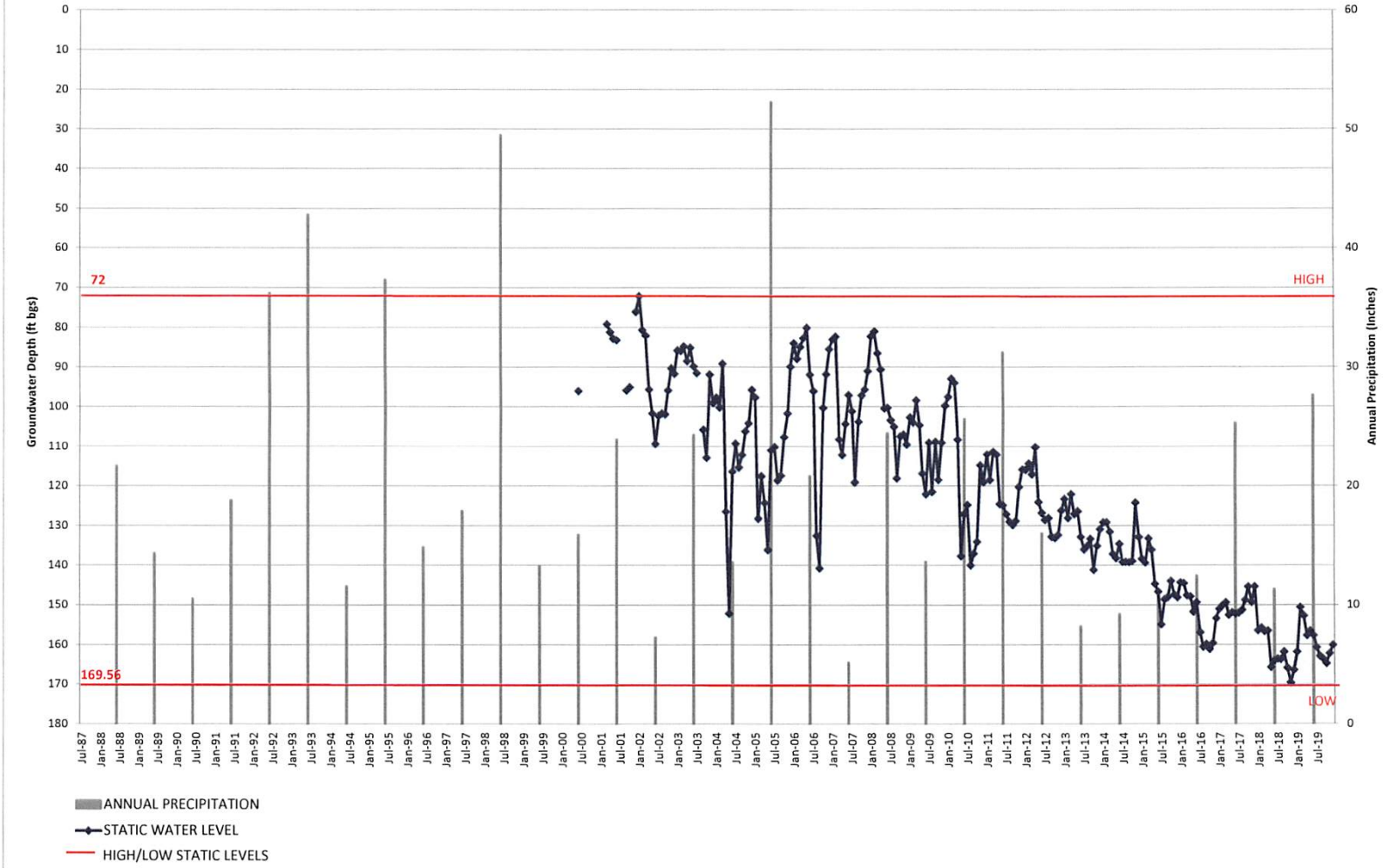
**SCV WATER WELL S7**  
**STATIC WATER LEVEL VS PRECIPITATION**



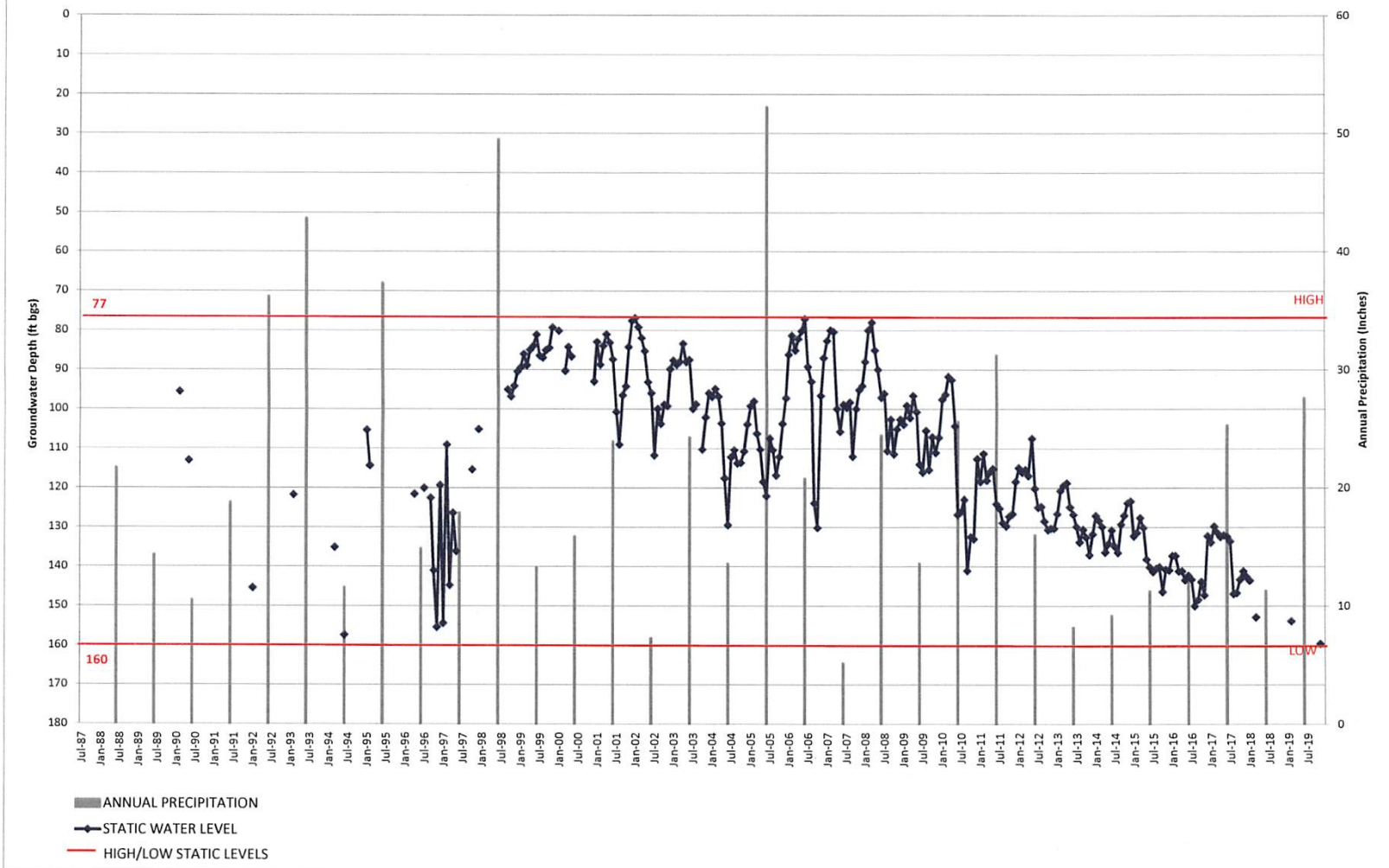
**SCV WATER WELL S8**  
**STATIC WATER LEVEL VS PRECIPITATION**



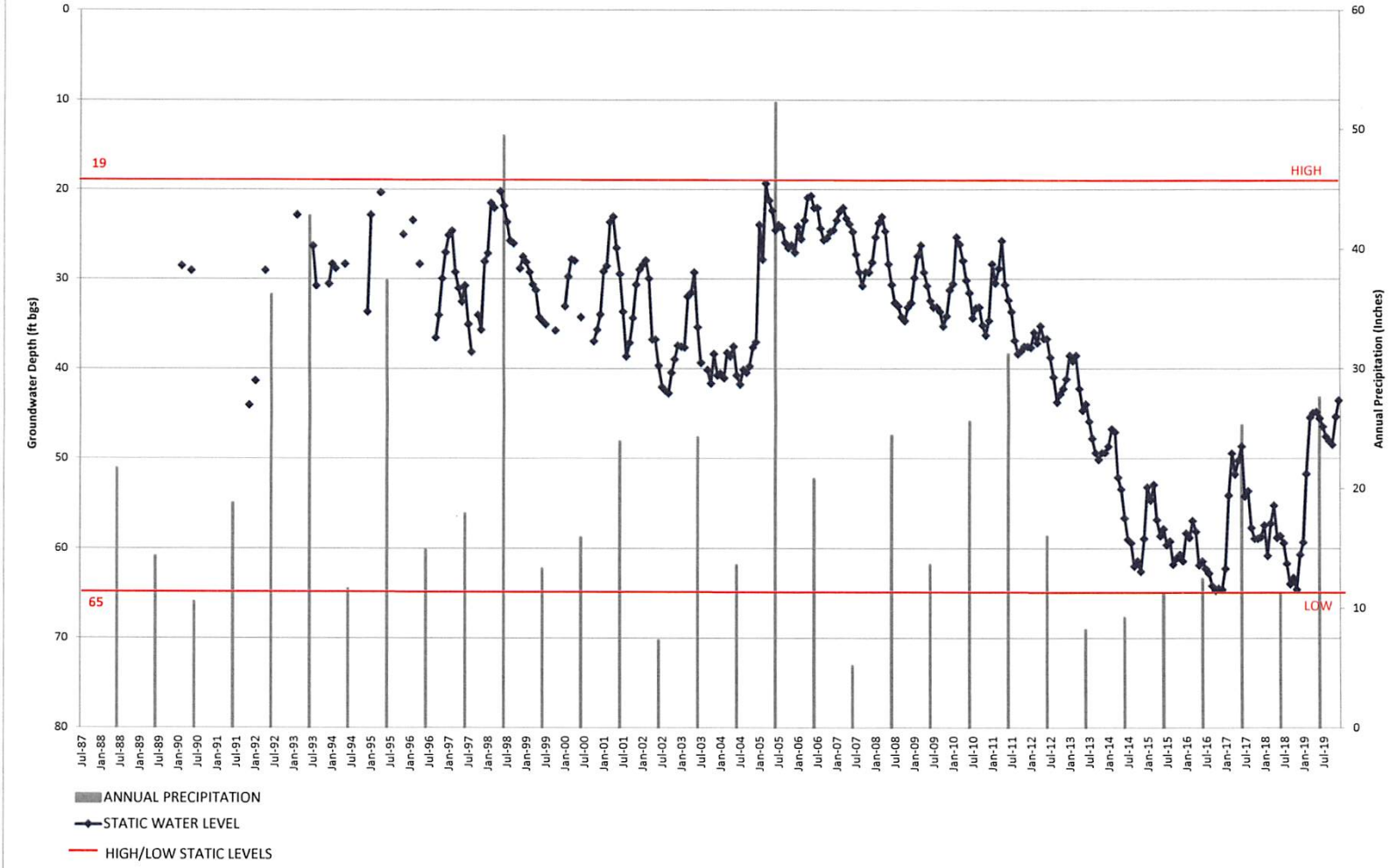
**SCV WATER WELL 205**  
 STATIC WATER LEVEL VS PRECIPITATION



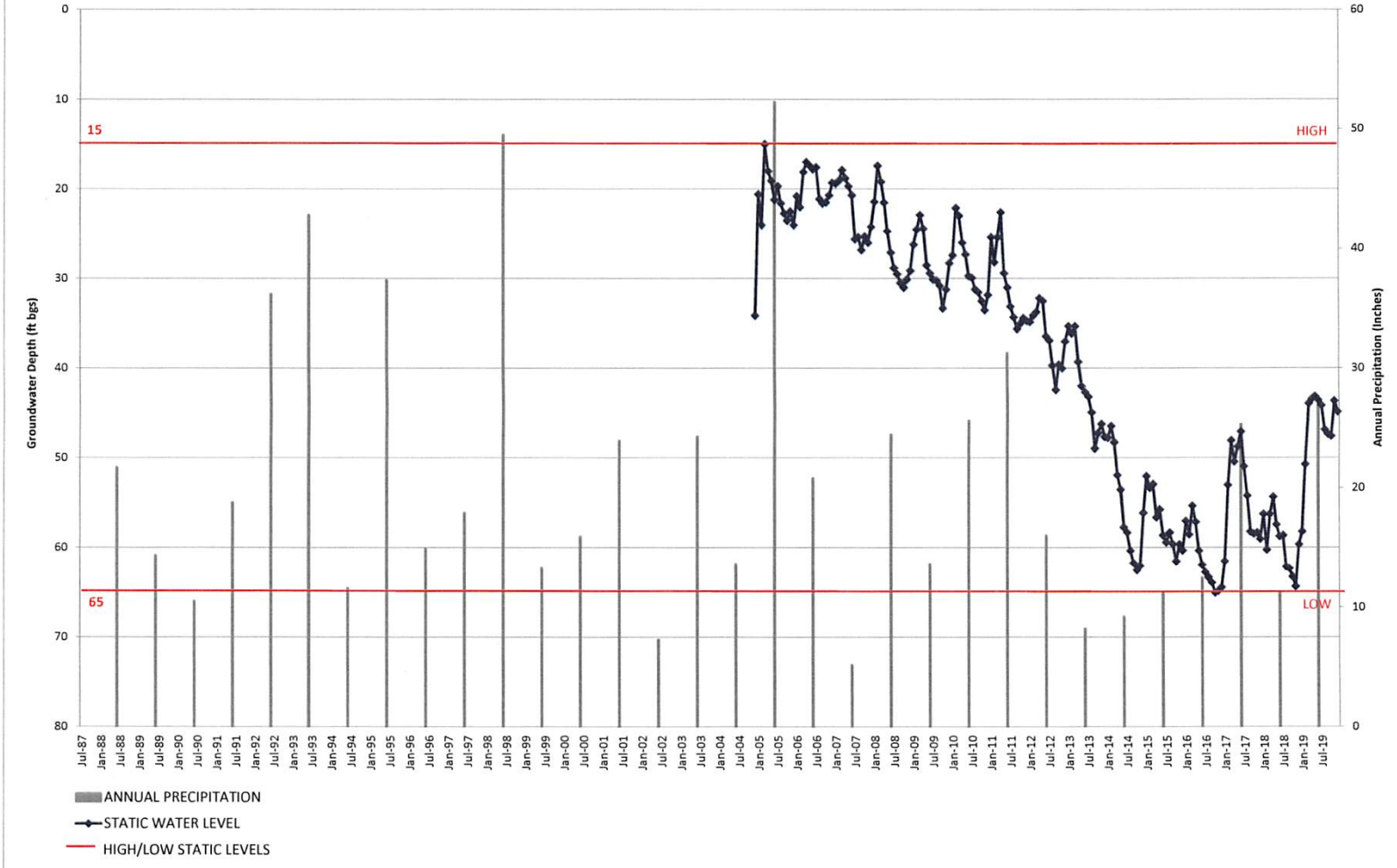
**SCV WATER WELL 201**  
 STATIC WATER LEVEL VS PRECIPITATION



**SCV WATER WELL N**  
**STATIC WATER LEVEL VS PRECIPITATION**

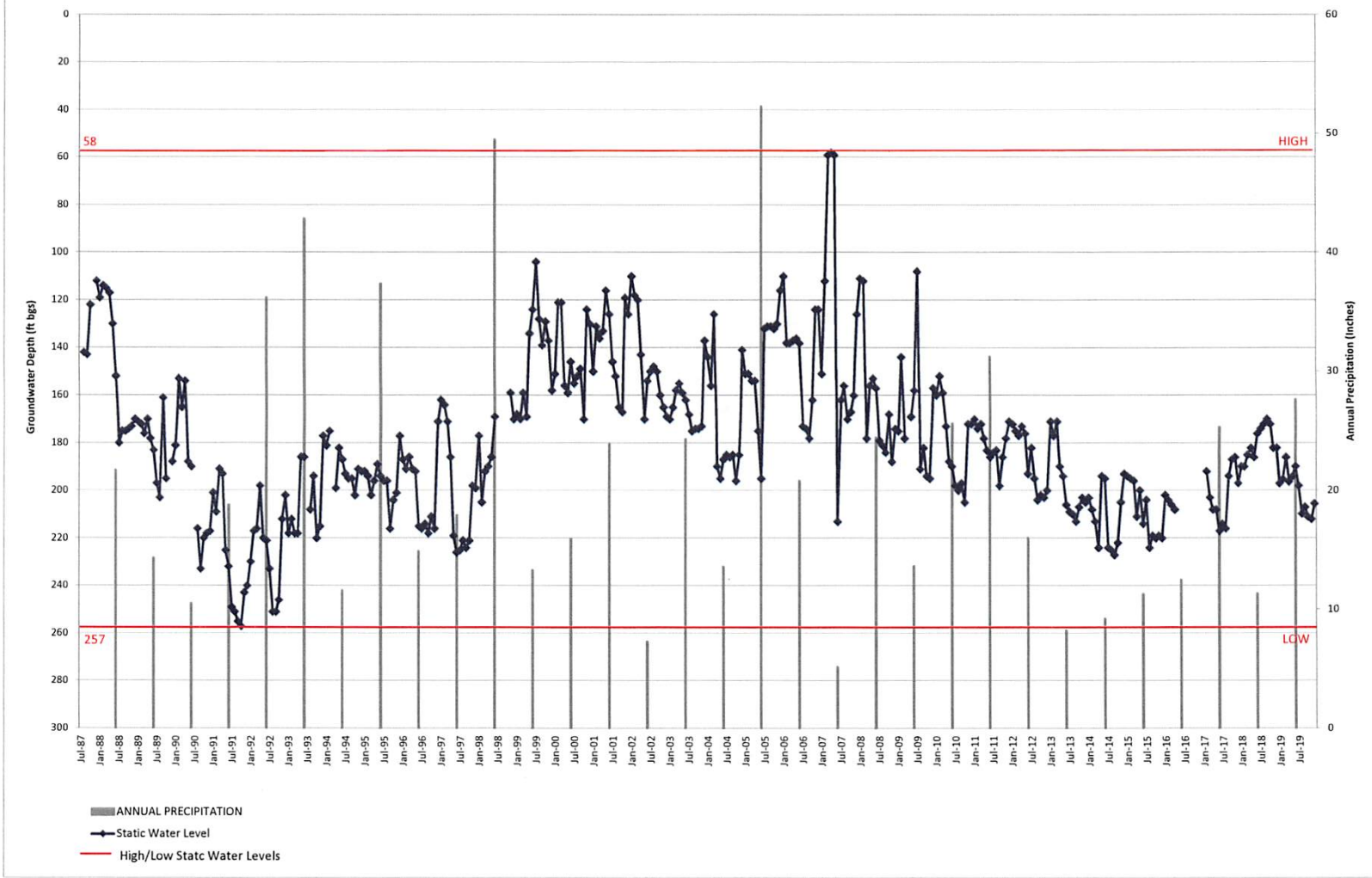


**SCV WATER WELL N7**  
 STATIC WATER LEVEL VS PRECIPITATION

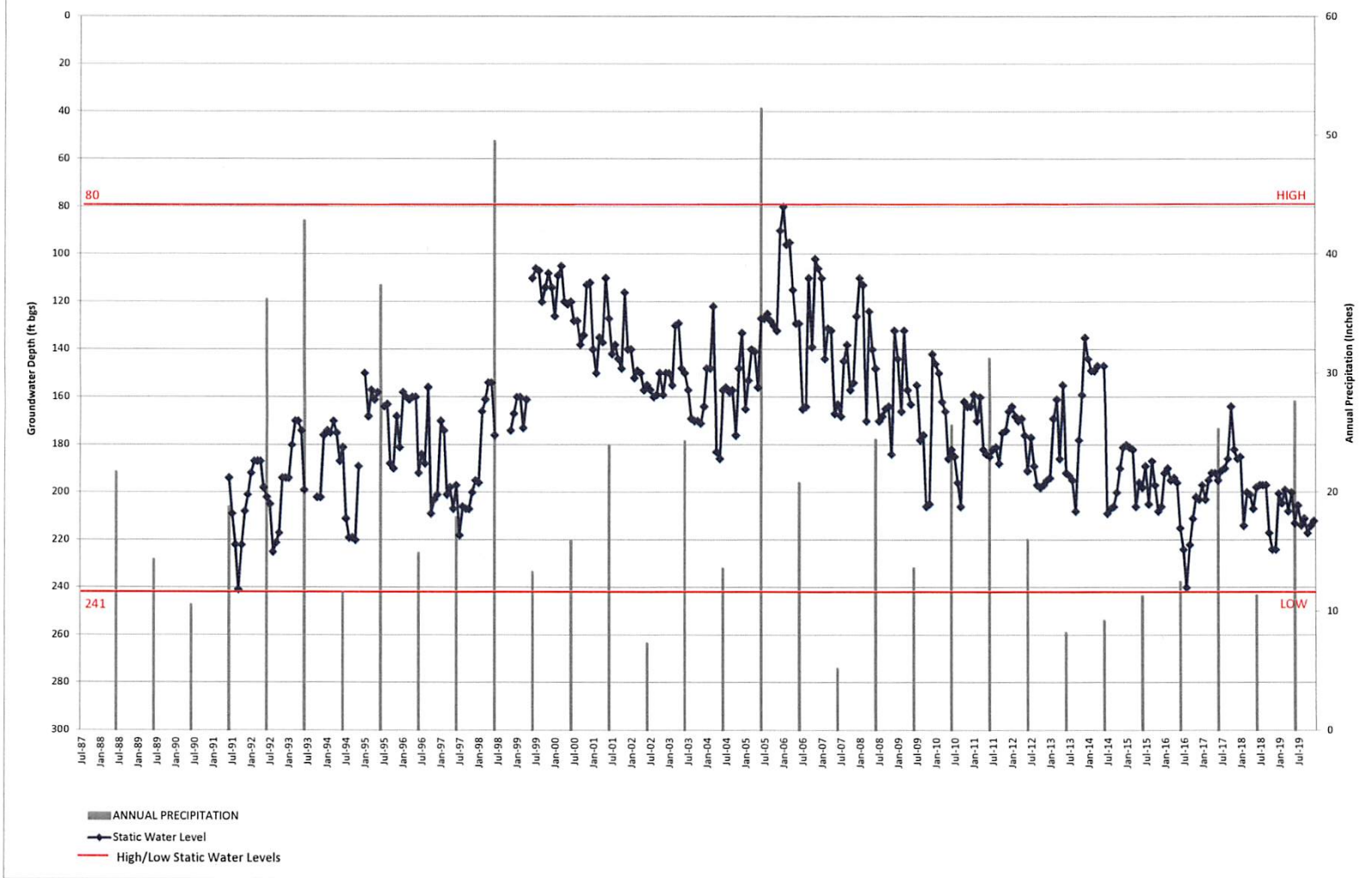




**SCV WATER WELL N12**  
**STATIC WATER LEVEL VS PRECIPITATION**

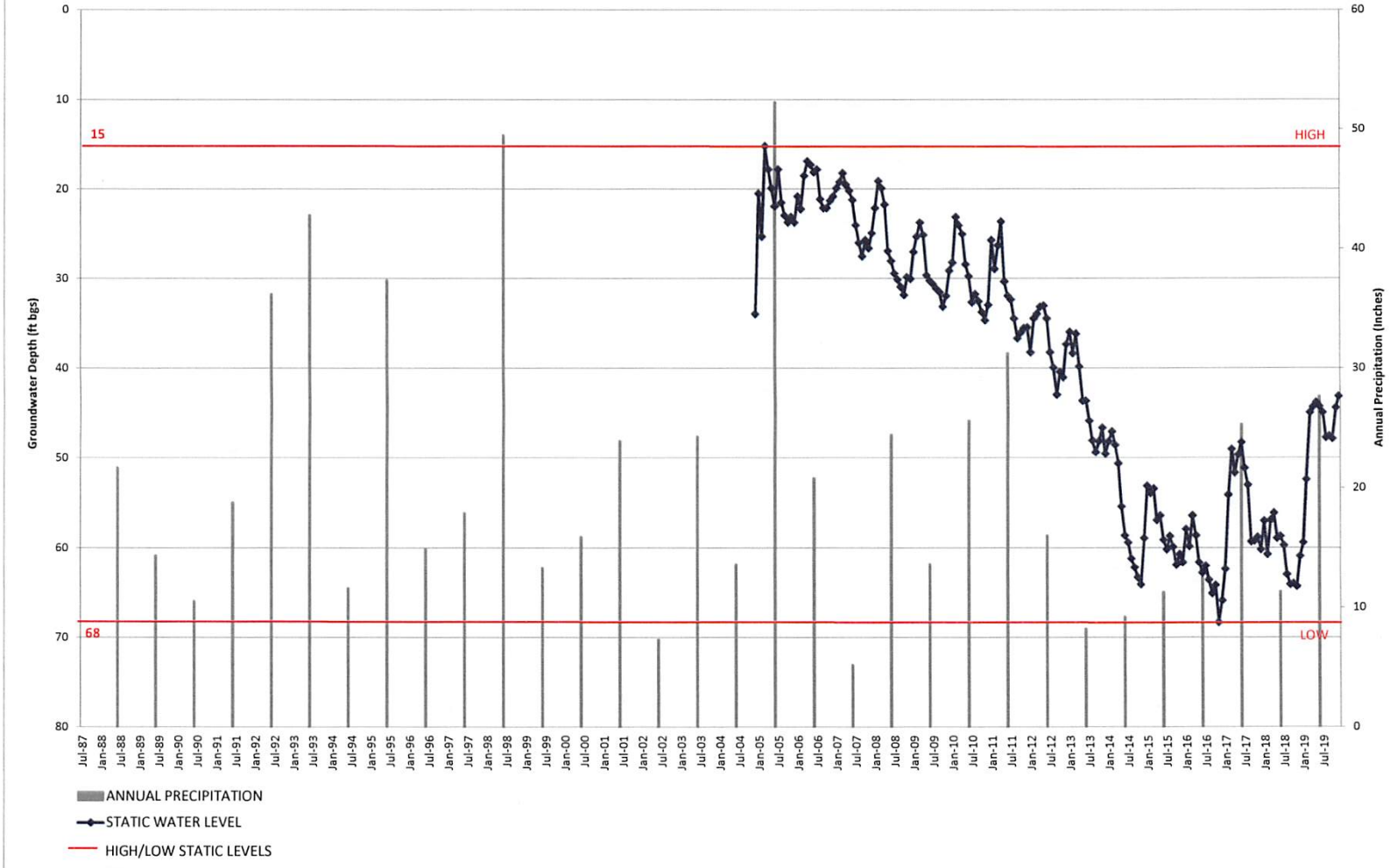


**SCV WATER WELL N13**  
**STATIC WATER LEVEL VS PRECIPITATION**

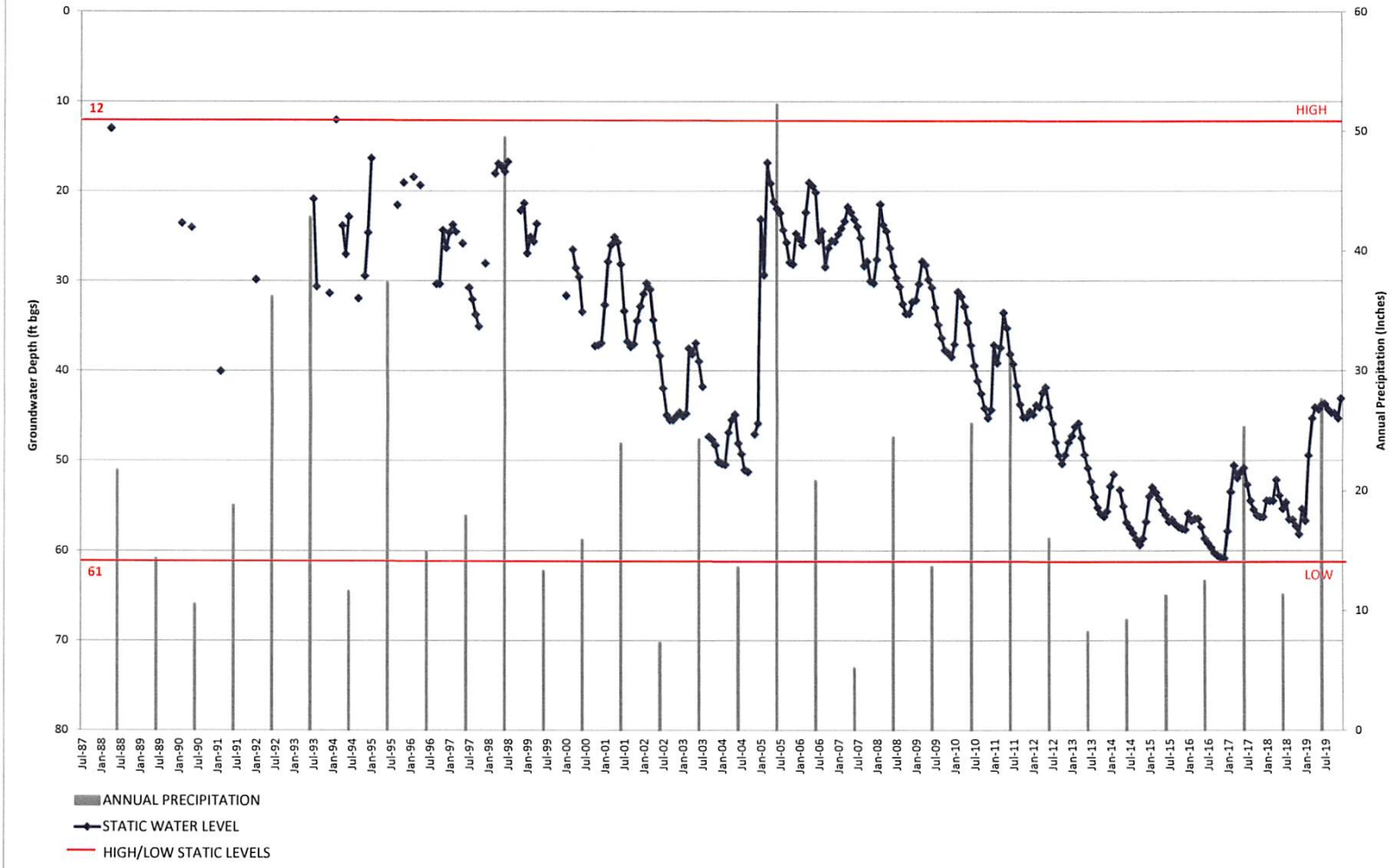




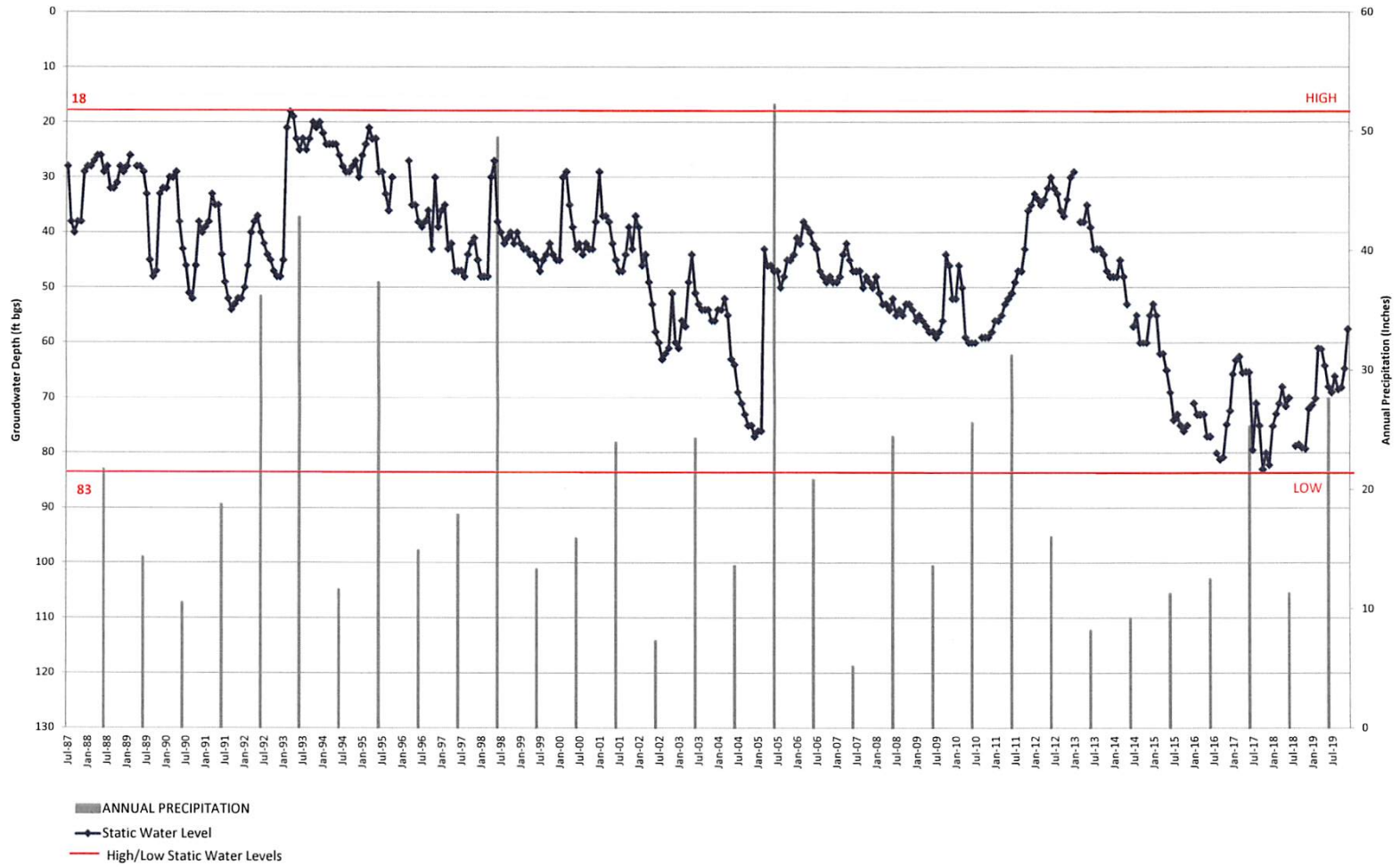
**SCV WATER WELL N8**  
 STATIC WATER LEVEL VS PRECIPITATION



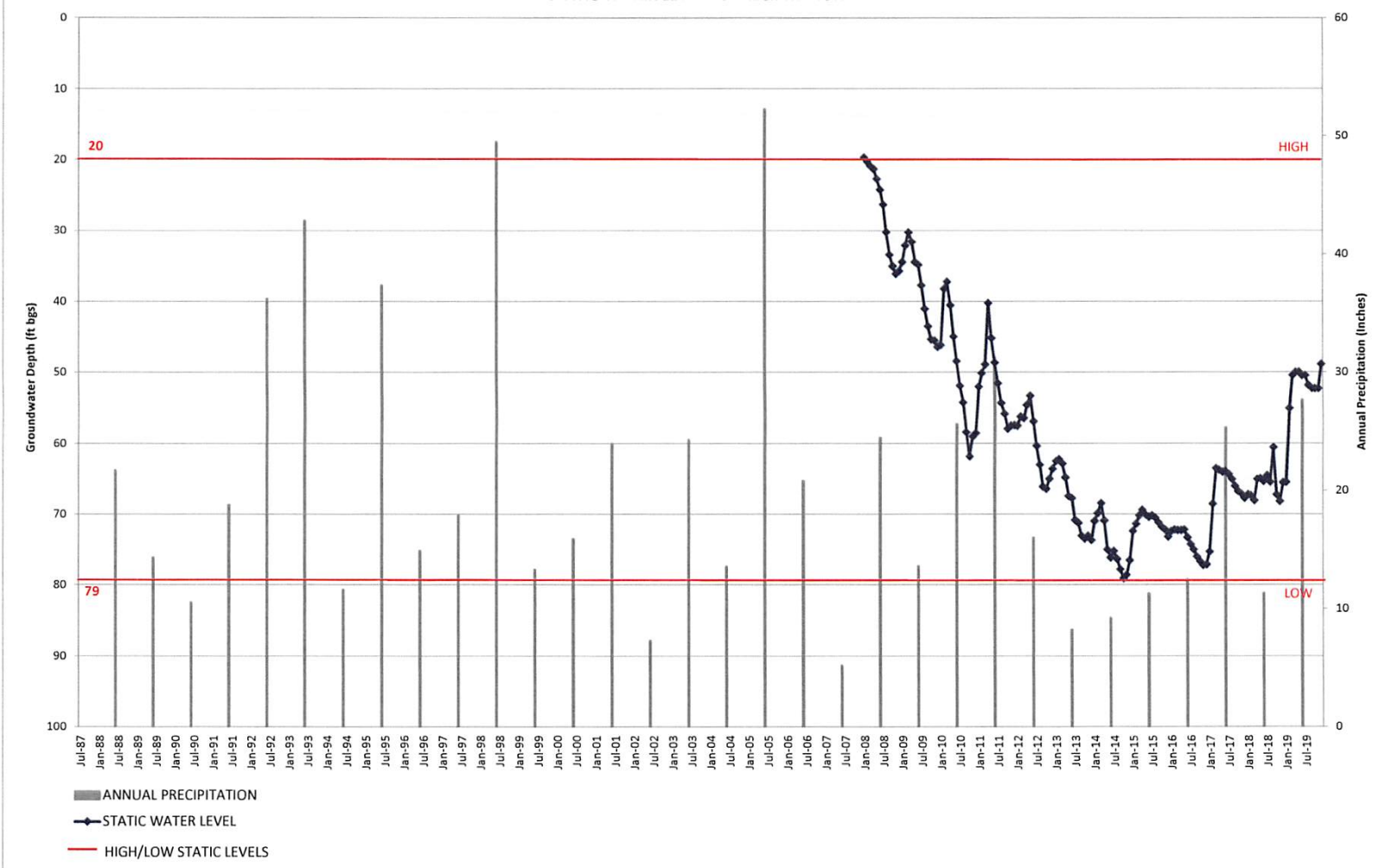
**SCV WATER WELL Q2**  
 STATIC WATER LEVEL VS PRECIPITATION



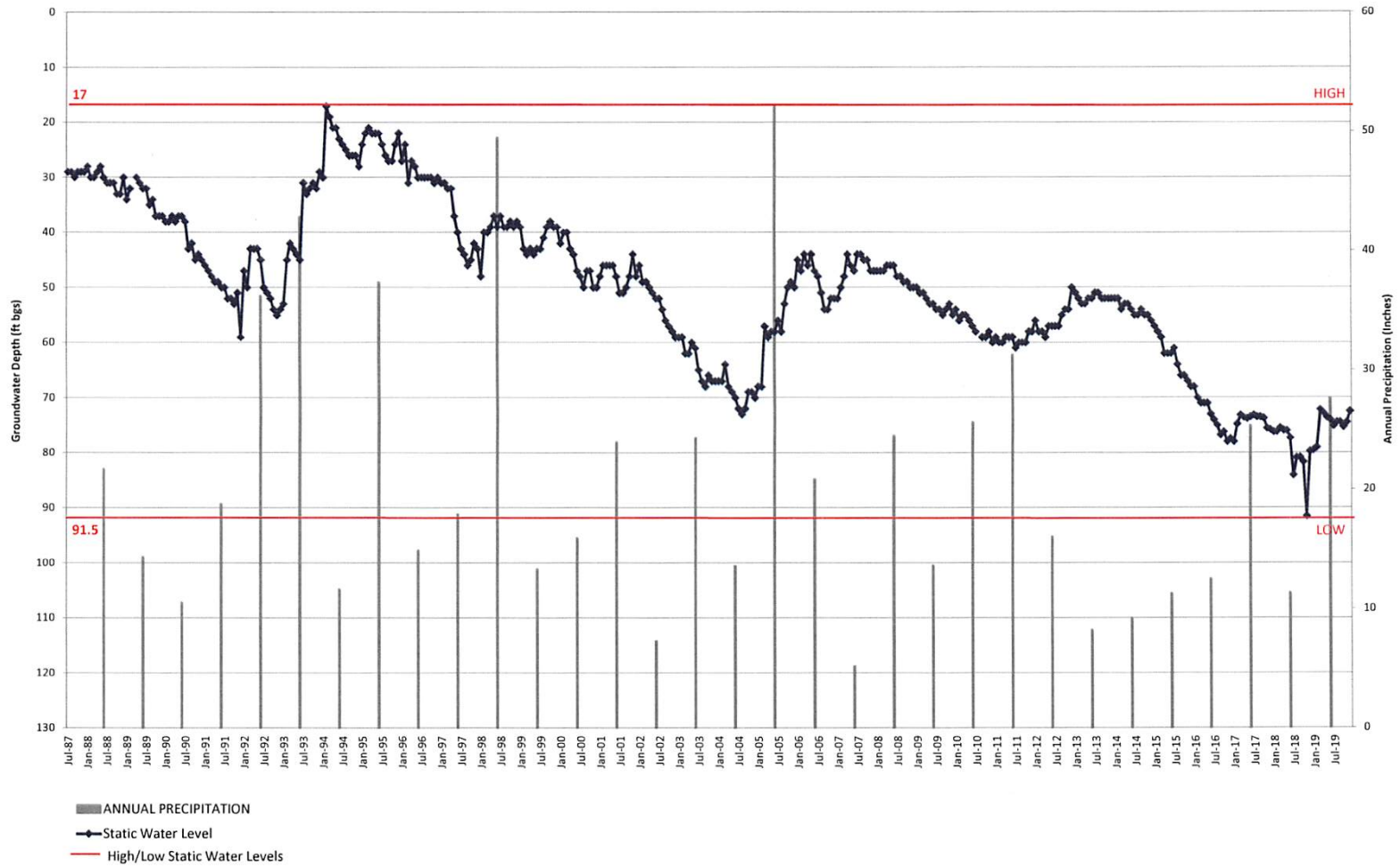
**SCV WATER WELL GUIDA #14**  
**STATIC WATER LEVEL VS PRECIPITATION**



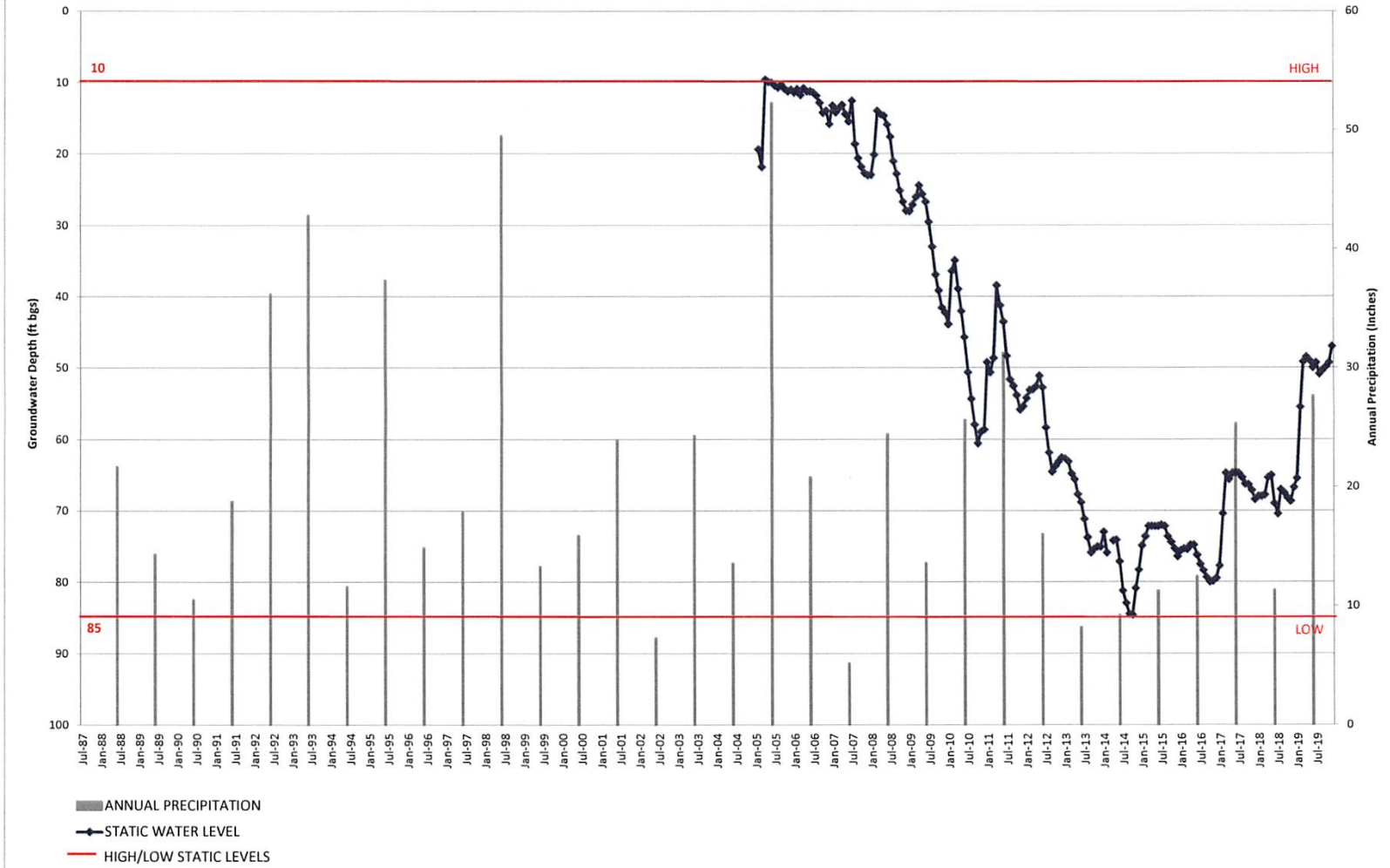
**SCV WATER WELL T7**  
**STATIC WATER LEVEL VS PRECIPITATION**



SCV WATER WELL CLARK #15  
 STATIC WATER LEVEL VS PRECIPITATION

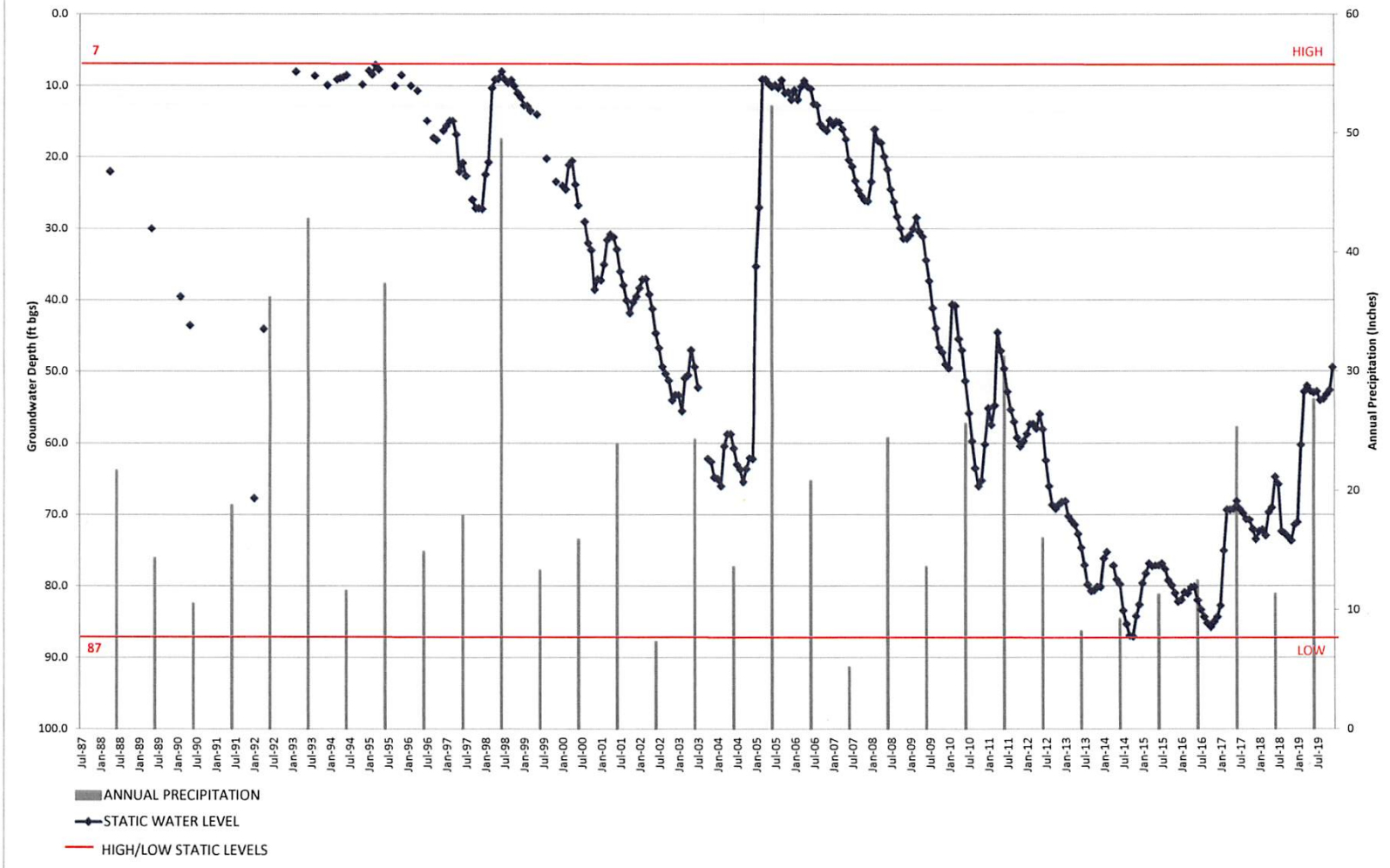


**SCV WATER WELL U6**  
 STATIC WATER LEVEL VS PRECIPITATION





**SCV WATER WELL U4**  
**STATIC WATER LEVEL VS PRECIPITATION**

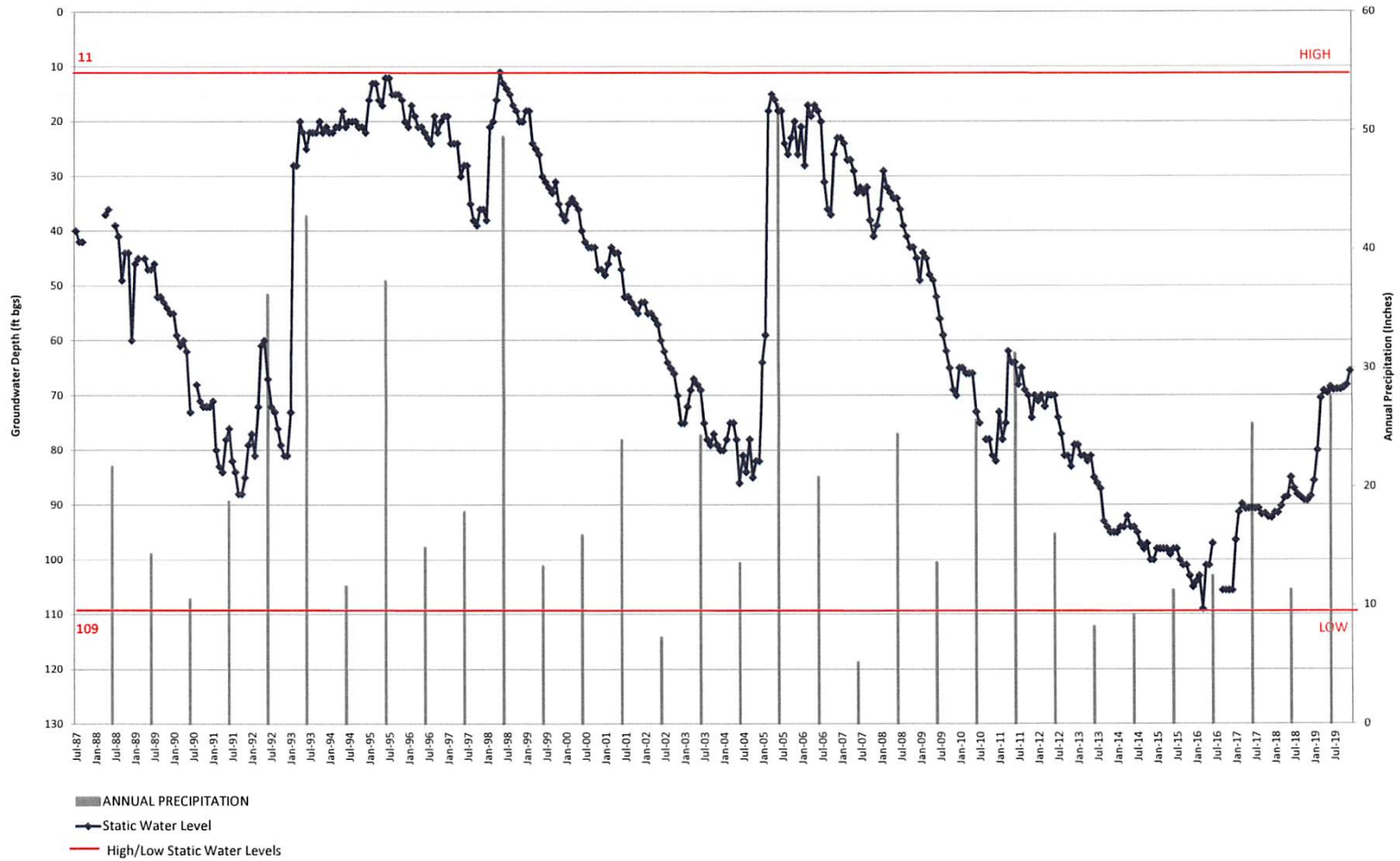


**SCV WATER WELL VALLEY CENTER**  
**STATIC WATER LEVEL VS PRECIPITATION**

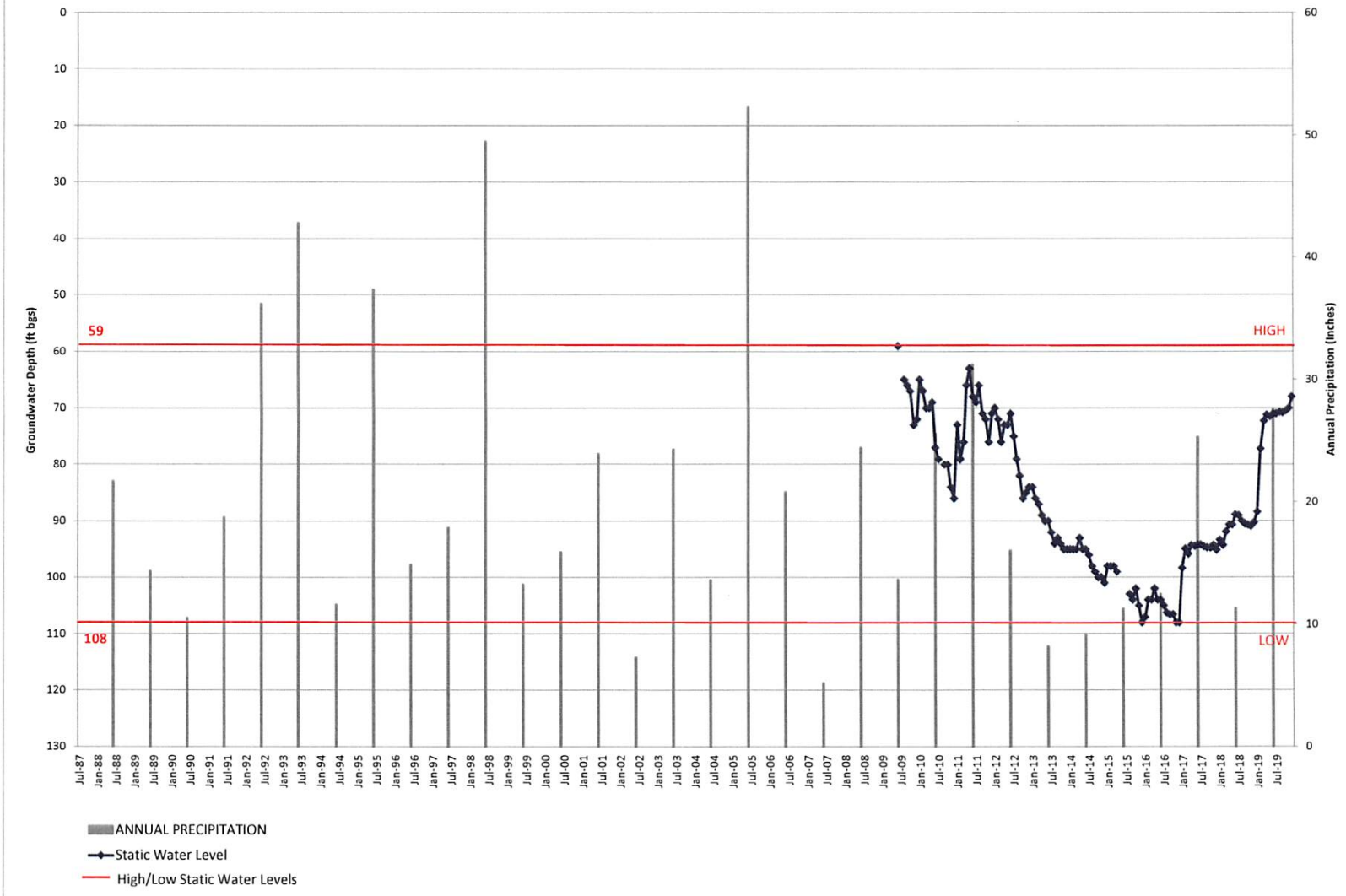




SCV WATER WELL HONBY #12  
 STATIC WATER LEVEL VS PRECIPITATION



**SCV WATER WELL SANTA CLARA**  
**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 #5A  
 STATIC WATER LEVEL VS PRECIPITATION

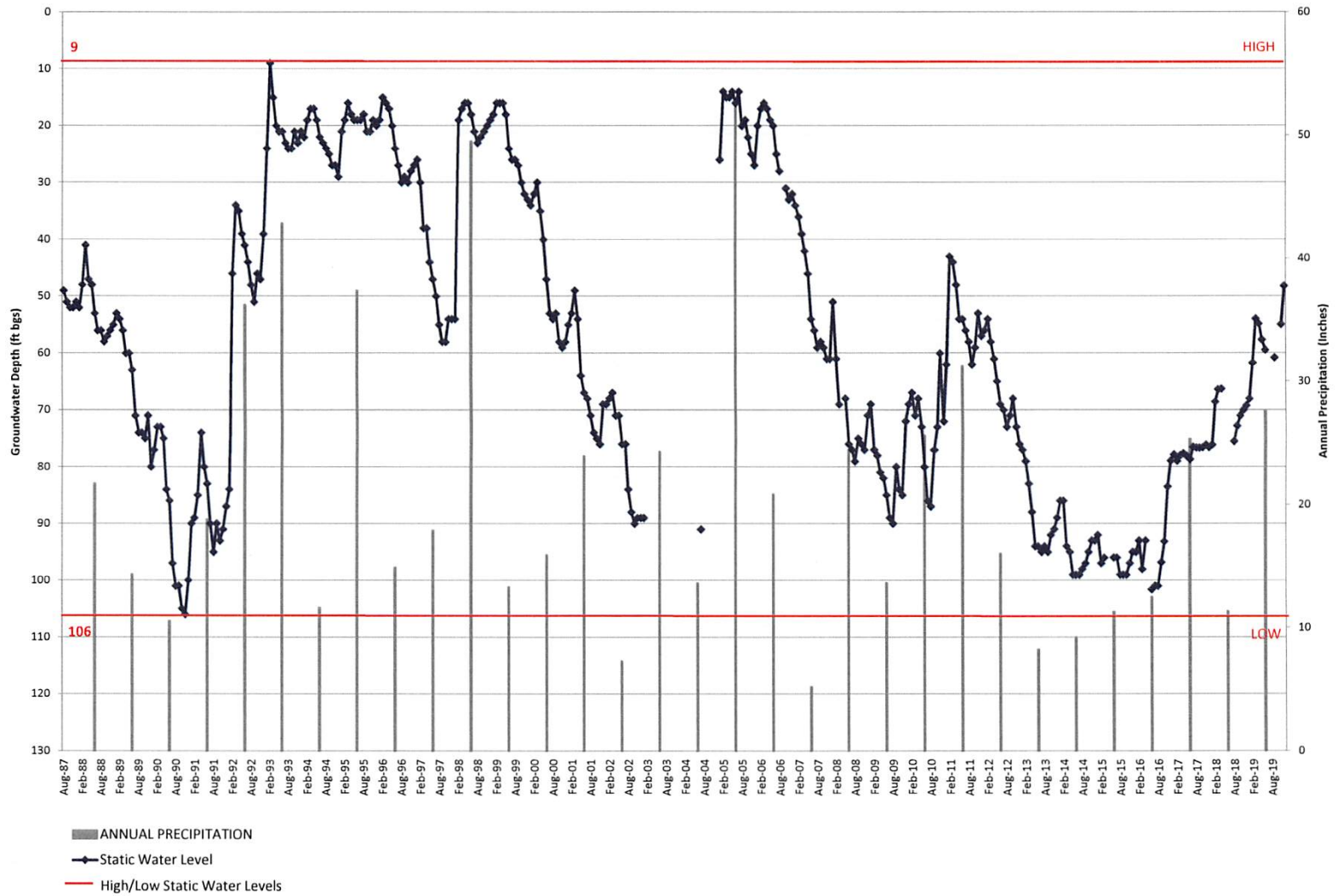




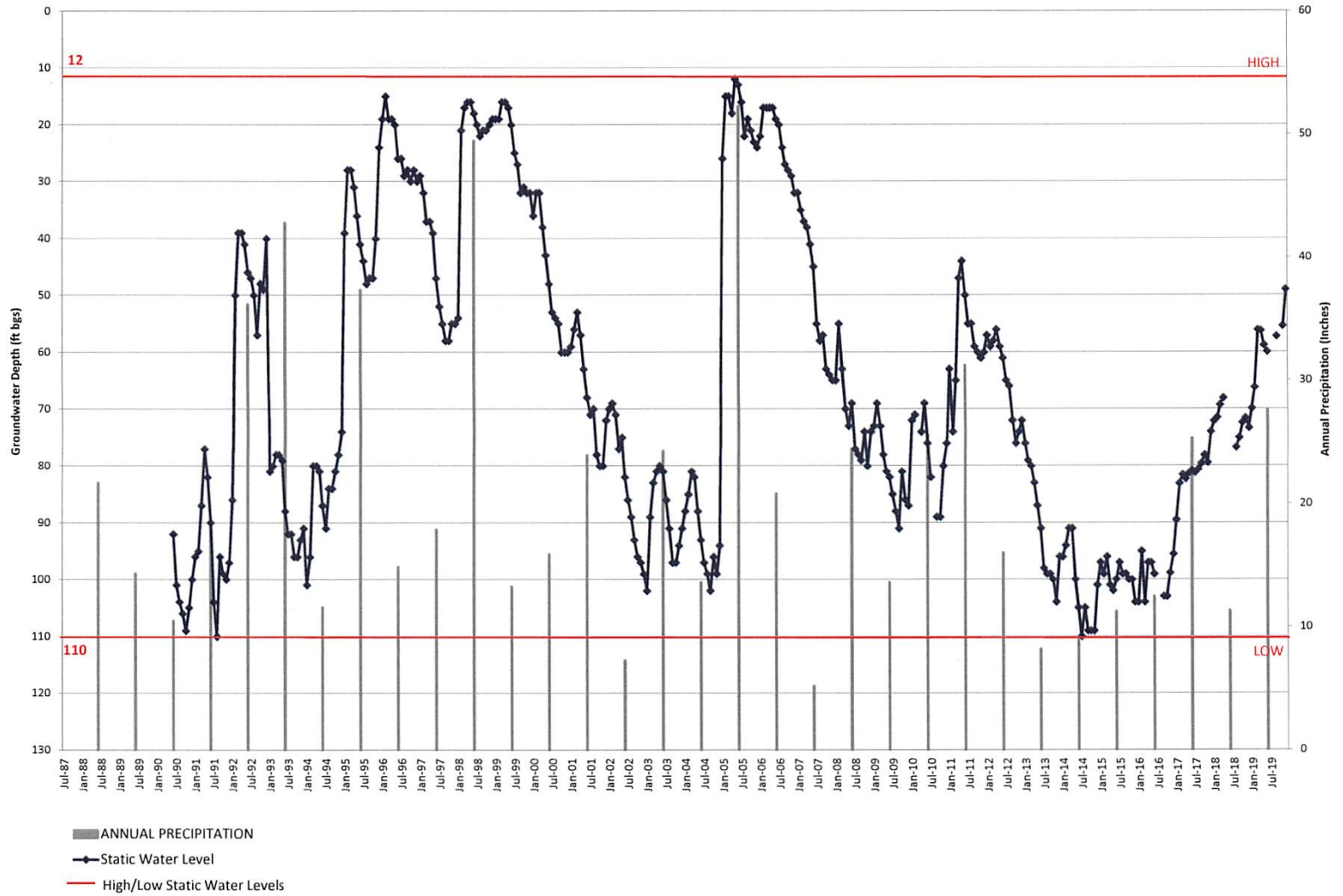
**SCV WATER WELL MITCHELL #5B**  
**STATIC WATER LEVEL VS PRECIPITATION**



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



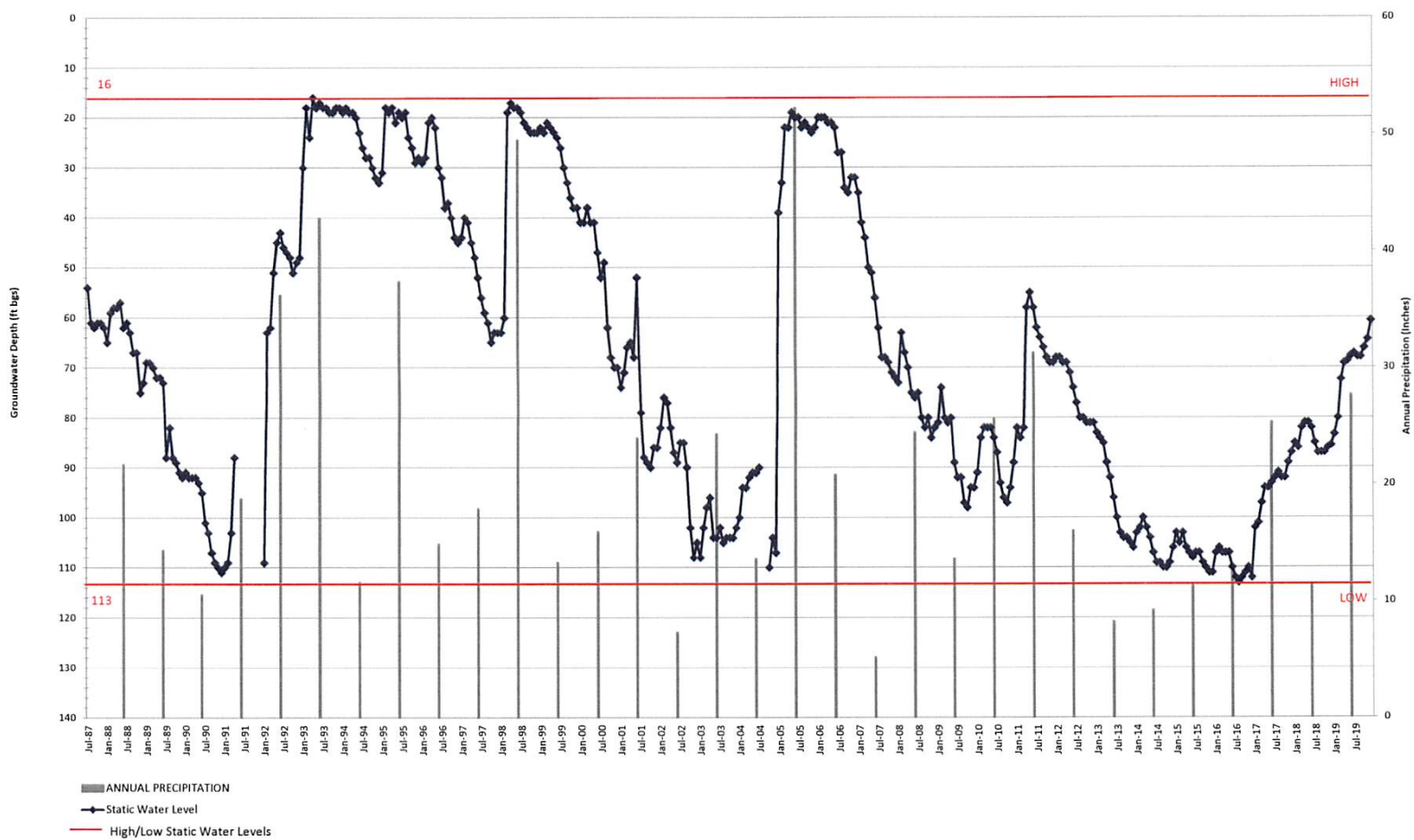
SCV WATER WELL LOST CANYON #2A  
 STATIC WATER LEVEL VS PRECIPITATION



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

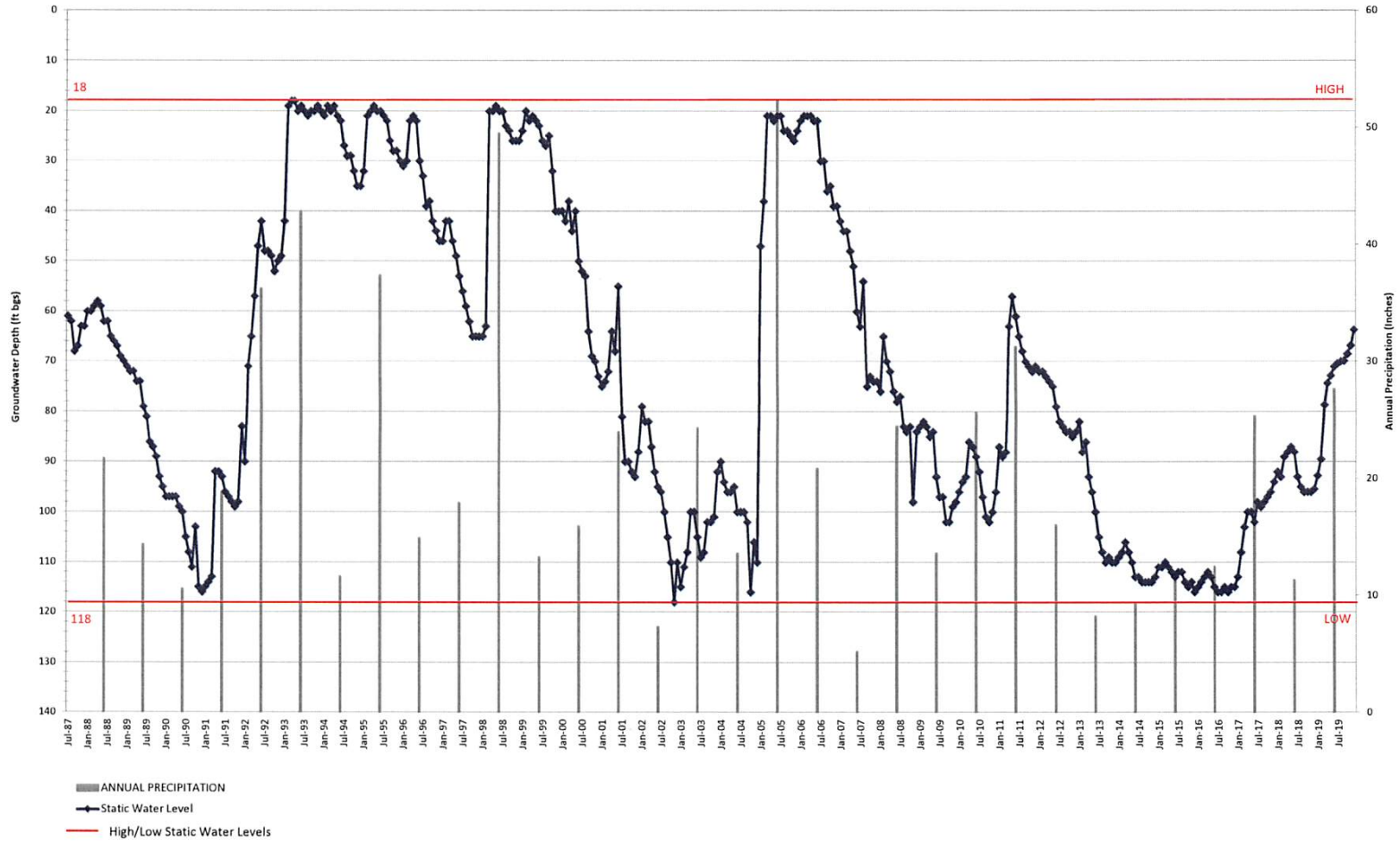


**SCV WATER WELL P4**  
 STATIC WATER LEVEL VS PRECIPITATION

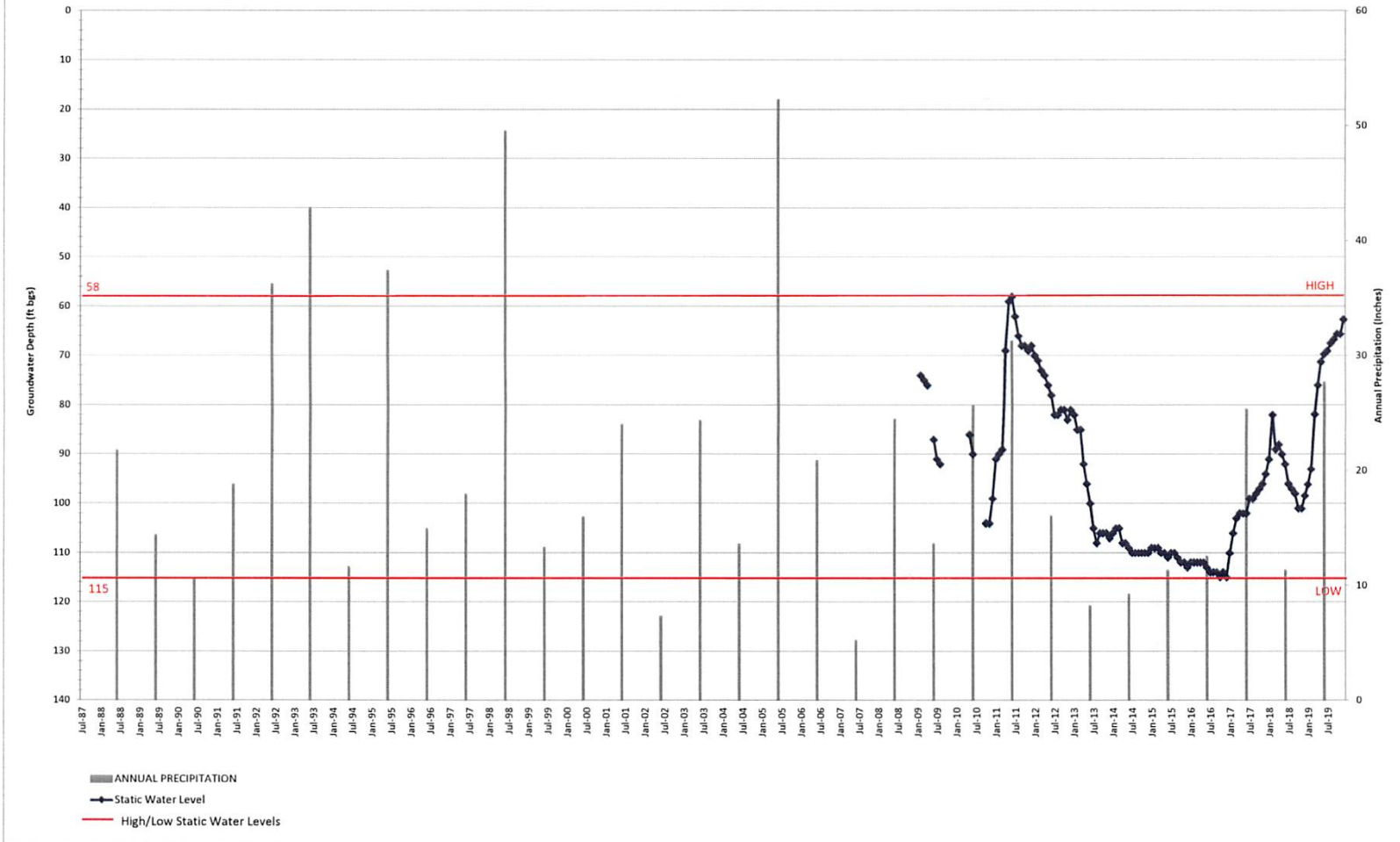




**SCV WATER WELL P3**  
**STATIC WATER LEVEL VS PRECIPITATION**

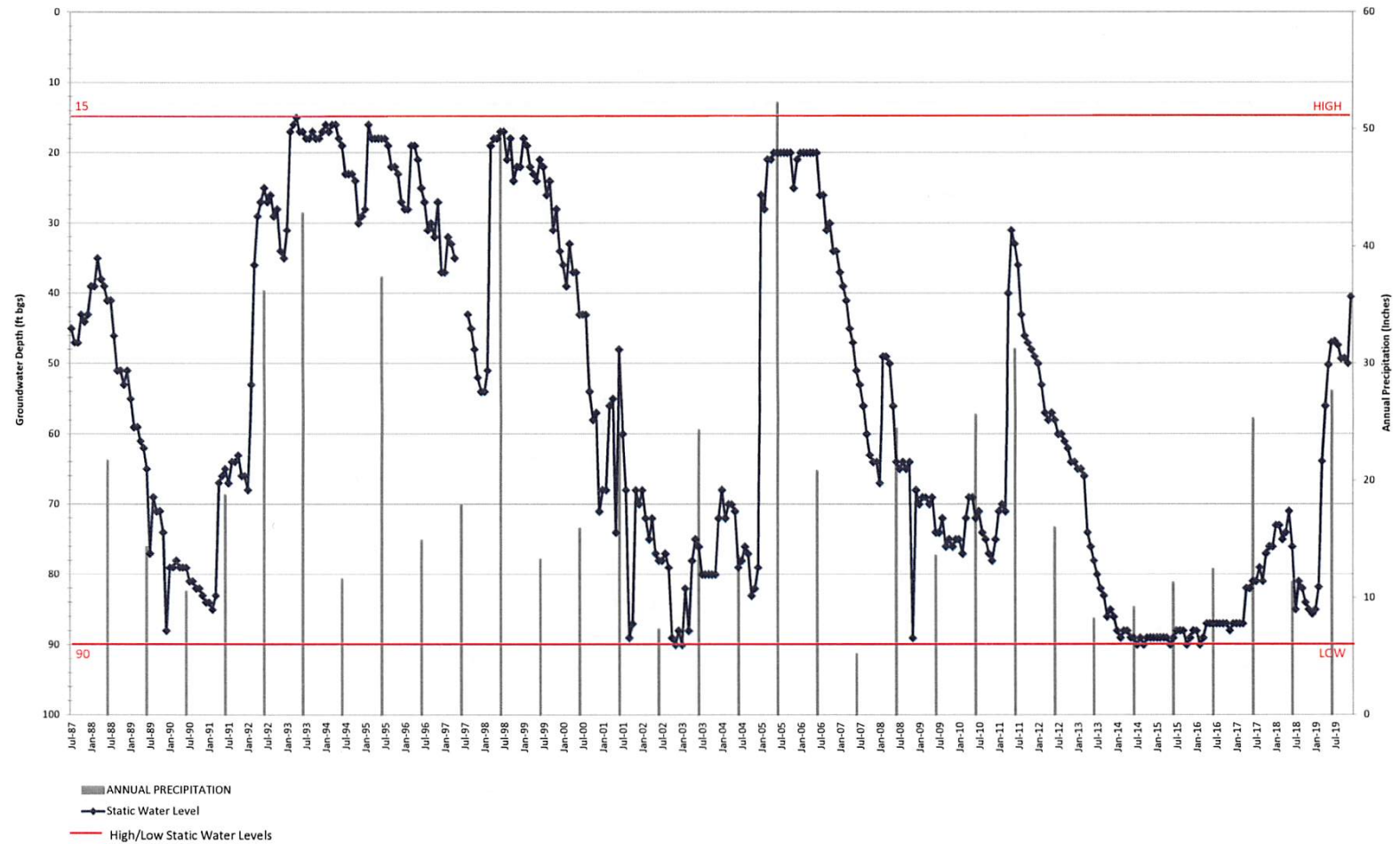


**SCV WATER WELL P5**  
**STATIC WATER LEVEL VS PRECIPITATION**





**SCV WATER WELL P1**  
 STATIC WATER LEVEL VS PRECIPITATION



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**Santa Clarita Valley Water Agency**  
**Capital Improvement Projects (CIP) Construction Status Report**  
**As of January 15, 2020**

<b>Project</b>	<b>Contractor</b>	<b>Original Contract Amount</b>	<b>Change Orders to Date</b>	<b>% Change Orders</b>	<b>Current Contract Amount</b>	<b>Scheduled Completion</b>	<b>Estimated % of Work Completed</b>	<b>Status</b>
PFAS Groundwater Treatment Project and Well Q2 Perchlorate Removal Facility - Vessels Purchase	Evoqua Water Technologies, LLC	\$1,727,960	\$0	0%	\$1,727,960	May 27, 2020	10%	Evoqua is preparing submittals for the engineer to review and approve.
PFAS Groundwater Treatment Project and Well Q2 Perchlorate Removal Facility - Site Construction	Pacific Hydrotech Corporation	\$4,515,000	\$0	0%	\$4,515,000	TBD	0%	The contract, bonds, and insurance are under review.
Well E-17 and Water Improvements	Staats Construction, Padilla Electric, and General Pump	\$571,734	\$0	0%	\$571,734	January 31, 2020	100%	Start-up completed January 6, 2020.
Magic Mountain Pipeline Phase 4*	FivePoint / Toro Enterprises	\$3,084,725	\$294,130.72	9.5%	\$3,378,855.72	April 1, 2020	90%	Construction is in progress.
Magic Mountain Pipeline Phase 5	FivePoint / Toro Enterprises	\$3,269,978.85	\$0	0%	\$3,269,978.85	April 1, 2020	90%	Construction is in progress.
Magic Mountain Pipeline Phase 6A	FivePoint / Toro Enterprises	\$7,168,844.85	\$0	0%	\$7,168,844.85	August 5, 2020	4%	Construction is in progress.

\*As of December 31, 2019, expenditures for Kennedy/Jenks Consultants' inspection services work authorization are \$379,627.73 (98%) of the Board authorized amount of \$386,200.

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**Santa Clarita Valley Water Agency  
Engineering Services Section  
Third Party Funded Agreements Quarterly Report  
As of January 15, 2020**

<b>Project</b>	<b>Third Party Funding Source</b>	<b>Planning, Design, Construction</b>	<b>Contractor/Consultant</b>	<b>Construction Amount</b>	<b>SCV Water Deposit Amount</b>	<b>Status</b>
<b>Active Agreements:</b>						
Aidlin Tract 52796 - Pump Station	Lennar Homes	Design	TBD	TBD	\$97,000	Project On-Hold by Developer. Design deposit pending.
Aidlin Tract 52796 - Tanks	Lennar Homes	Design	TBD	TBD	\$156,000	Project On-Hold by Developer. Design deposit pending.
Aidlin Tract 52796 – Pipeline	Lennar Homes	Design	SCV Water	N/A	\$65,000	Project On-Hold by Developer. Design is 30% complete.
Commerce Center Drive Bridge Potable and Recycled Pipelines	FivePoint	Design	FivePoint	N/A	\$85,000	Construction and submittals are in progress.
Demineralization Facility – Fire Hydrant	FivePoint	Design	FivePoint	N/A	\$55,000	Construction and submittals are in progress.
Excel Buena Park II, L.P. (Residence Inn and Springhill Suites)	Excel Group LLC	Construction	T. Morrissey Corporation	\$86,848	\$13,027	Reviewing submittals.
Friendly Station Mart	Fayad Takla	Construction	TBD	\$45,000	\$11,000	Pending submittals.
Hancock Commerce Center (PM 26363, Parcel 6)	S.D. Herman	Construction	SCV Water/TBD	\$174,000	\$23,000	Pending bonds.
Magic Mountain Tank No. 2	FivePoint	Construction	FivePoint	N/A	\$125,000	Construction and submittals are in progress.
Mission Village DS542 Recycled Water Pipelines	FivePoint	Construction	FivePoint	N/A	\$57,000	Construction is in progress.
Mission Village DS542 Potable Water Pipelines	FivePoint	Construction	FivePoint	N/A	\$60,000	Construction is in progress.
Mission Village Potable Water System Phase 1	FivePoint	Design	FivePoint	N/A	\$36,000	Construction is in progress.
Mission Village Recycled Water System Phase 1	FivePoint	Design	FivePoint	N/A	\$34,000	Construction is in progress.
Mission Village Tract 61105-1A Potable and Recycled Water	FivePoint	Design	FivePoint	N/A	\$175,000	Construction is in progress.
Mission Village Tract 61105-1C Potable and Recycled Water	FivePoint	Design	FivePoint	N/A	\$175,000	Construction and submittals are in progress.
Mission Village – Well 206/207 Pipeline	FivePoint	Design	FivePoint	N/A	\$28,000	Construction is in progress.
Mitchell Well 5A Replacement – Site E	JSB Development	Design	Richard C. Slade & Associates LLC	TBD	\$58,000	Reviewing draft technical specifications for pilot well.

Project	Third Party Funding Source	Planning, Design, Construction	Contractor/Consultant	Construction Amount	SCV Water Deposit Amount	Status
Orchard Village Medical Building	OVMB LLC (Intertex)	Construction	TBD	\$50,000	\$18,000	Pending construction.
Parcel Map 19163 Parcel 1 - Homewood Suites/Hampton Inn	Prince Hospitality LLC	Construction	Tron Construction	\$60,000	\$28,000	Pending construction.
Parcel Map 62646 Water Pipeline Facilities on Railroad Avenue / Oakridge Drive	Saugus Holdings, LLC, and TMC Hollis	Planning & Design	SCV Water	\$412,000	\$41,000	Third Party Agreement executed.
Plum Canyon Tract 46018-11 Pump Station (Civil/Mechanical)	Pardee & Toll Brothers	Construction	Staats Construction	\$648,597	\$61,000	Construction is substantially complete.
Plum Canyon Tract 46018-11 Pump Station (Electrical)	Pardee & Toll Brothers	Construction	Coleman-Pacific	\$467,000	\$46,700	Construction is 95% complete.
Plum Canyon Tract 73858 Lot 1	Toll Brothers	Construction	Staats	\$856,000	\$114,600	Reviewing submittals.
Sheriff Station – 16" Water Main Extension in Golden Valley Road	City of Santa Clarita	Construction	Mesa Engineering	\$1,347,745	137,700	Construction is 95% complete.
Skyline Pump Station No. 2	Pardee Homes	Design	Cannon	TBD	\$150,000	Design is in progress.
Skyline Ranch Tract 60922-01 Backbone Pipelines	Pardee Homes	Construction	Mesa Engineering	\$1,417,928	\$142,000	Construction is 95% complete.
Skyline Ranch Tract 60922-01 Paseo	Pardee Homes	Construction	Mesa Engineering.	\$68,159	Included in PA-01	Construction is 95% complete.
Skyline Ranch Tract 60922-01 Planning Areas A & B & PA-01	Pardee Homes	Construction	Mesa Engineering	\$675,824	\$67,600	Construction is 95% complete.
Skyline Ranch Tract 60922-01 Planning Areas E1 & F	Pardee Homes	Construction	Mesa Engineering	\$707,700	\$70,700	Construction is 95% complete.
Skyline Ranch Tract 60922-01 Planning Areas C & D Pipelines	Pardee Homes	Construction	Staats Construction	\$533,300	\$53,330	Construction is 95% complete.
Skyline Ranch Tract 60922-01 Stratus Street	Pardee Homes	Construction	Mesa Engineering	\$817,031	\$81,703	Construction is 95% complete.
Skyline Ranch Tract 60922-01 Stratus Street Gap Section	Pardee Homes	Construction	Mesa Engineering	\$93,141.62	\$9,314.17	Construction is 95% complete.
Skyline Ranch Tract 60922-05 Planning Area N	Pardee Homes	Construction	Mesa Engineering	\$150,876.39	\$15,087.64	Construction is 60% complete.
Skyline Ranch Tract 60922-04 Planning Area E-2	Pardee Homes	Design	Staats	\$369,597	\$36,960	Reviewing submittals.
Skyline Ranch Tract 60922-05 Planning Area 02	Pardee Homes	Design	SCV Water	TBD	\$30,000	Design is 90% complete.
Skyline Ranch Road Bridge Crossing 16" and 20" Water Mains	Pardee Homes	Construction	Mesa Engineering	\$214,359	\$21,436	Reviewing submittals.
Skyline Ranch Tract 609022-02 Vertex Way Pipelines	Pardee Homes	Construction	Mesa Engineering	\$480,488	\$48,000	Construction is 10% complete.
Skyline Ranch – Two 0.87 MG Tanks (Skyline Ranch Zone)	Pardee Homes	Construction	Paso Robles	\$1,879,001	\$187,900	Submittals approved; tank fabrication is in progress.

Project	Third Party Funding Source	Planning, Design, Construction	Contractor/Consultant	Construction Amount	SCV Water Deposit Amount	Status
Tract AVT 52455-16	Ashdon Development	Construction	Intertex General Contractors, Inc.	\$85,043	\$17,000	Construction is 75% complete.
Tesoro del Valle – Pump Station	BLC Tesoro LLC	Design	Civiltec	TBD	\$30,000	Kick-off Meeting on January 23, 2020.
Tesoro del Valle – Two 1.2 MG Tanks	BLC Tesoro LLC	Design	Civiltec	TBD	\$40,000	Kick-off Meeting on January 23, 2020.
Tesoro del Valle – Water Line Distribution and PRV Station	BLC Tesoro LLC	Design	Fuscoe Engineering	TBD	\$50,000	Pipeline plan check is 60% complete.
Valencia Town Center Square – Phase 2	VTC Square Investors, LLC	Construction	Staats Construction	\$80,000	\$22,010	Construction is substantially complete.
Vista Canyon Tract 69164 – KB Homes	KB Homes	Construction	Boudreau Pipeline	\$57,000	\$5,600	First phase construction is in progress.
Vista Canyon Tract 69164 Phase 2 – Portion 1, Potable Pipelines	Vista Canyon LLC	Construction	Mesa Engineering	\$241,112	\$24,100	Construction is 65% complete.
Vista Canyon Tract 69164 Phase 2 – Portion 2 - Potable and Recycled Pipelines	Vista Canyon LLC	Construction	Mesa Engineering	\$392,693	\$39,269	Construction is 80% complete.
Vista Canyon Tract 69164 Phase 2 – Portion 3 - Recycled Water	Vista Canyon LLC	Construction	Mesa Engineering	\$261,252	\$26,125	Construction is 30% complete.
Vista Canyon Tract 69164 Phase 2 – Portion 3 – Potable Water	Vista Canyon LLC	Construction	Mesa Engineering	\$376,259	\$37,626	Construction is 10% complete.
Wayne Mills/Residence Hill & Holiday Inn	Excel Buena Park II, L.P.	Construction	TUI General Engineering Contractors, Inc.	\$87,000	\$13,000	Construction is 30% complete.
Westside Communities Potable Water Infrastructure Plan	FivePoint	Planning	FivePoint	N/A	\$69,000	FivePoint is revising the Infrastructure Plan.
27918 Franklin Parkway - Water Meters	Logix	Construction	Gall Brothers	\$30,000	\$3,000	Reviewing submittals.
76 Gas Station at 25048 Valencia Blvd.	Sahika Corporation	Construction	Karaki WS	\$58,000	\$5,800	Construction is 60% complete.

Project	Third Party Funding Source	Planning, Design, Construction	Contractor/Consultant	Construction Amount	SCV Water Deposit Amount	Status
<b>Closed Agreements:</b>						
College of the Canyons Valencia Campus Parking Structure – Water Line Improvements	Santa Clarita Community College District	Design & Construction	R.C. Becker & Son	\$370,575	\$129,000	Construction is 100% complete. Easement documents pending.
Concord Development Tract 53425-01	Lennar	Design	Turf Construction	\$100,000	\$10,000	Construction is 100% complete. Coordinating easement documents with developer.



<b>Project</b>	<b>Third Party Funding Source</b>	<b>Planning, Design, Construction</b>	<b>Contractor/Consultant</b>	<b>Construction Amount</b>	<b>SCV Water Deposit Amount</b>	<b>Status</b>
Mission Village – Pipe Connection at Sky View Lane / The Old Road	FivePoint	Construction	FivePoint	N/A	\$55,000	Construction is 100% complete.
Mission Village – Temporary bypass pipeline (Magic Mountain Parkway)	FivePoint	Construction	FivePoint	N/A	\$41,000	Construction is 100% complete.
Parcel Map 26363 Parcels 3 & 4 at 27736 – 27788 Hancock Parkway	Intertex	Construction	Blois Construction	\$35,000	\$3,500	Construction is 100% complete, preparation of as-built drawings pending.
Skyline Ranch Plaza Tract 46018-11A	Intertex	Construction	Groundbreakers Construction	\$288,314	\$28,832	Construction is 100% complete.
Vista Canyon Tract 69164 Phase 1A Potable and Recycled Pipelines	Vista Canyon LLC	Construction	Mesa Engineering	\$673,532	\$67,400	Construction is 100% complete.
25333 Railroad Avenue (Storage Facility) – Fire Service	Norris Construction	Construction	Mesa Engineering	\$21,000	\$2,100	Construction is 100% complete, pending installation of backflow by developer.

**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	Oct 15 Board	Nov 5 Board	Nov 7 Comm	Dec 9 Comm	Dec 17 Board	Jan 7 Board	Jan 9 Comm	Feb 4 Board	Feb 6 Comm	Mar 3 Board	Mar 5 Comm	Mar 17 Board	Apr 2 Comm	Apr 7 Board	May 11 Comm	May 19 Board	Jun 2 Board	Jun 4 Comm	Jul 7 Board
1	Monthly Committee Planning Calendar	None	C	C			C		C			C	C			C		P		P		P	P				P	
2	CIP Construction Status Report	None	C	C			C		C			C	C			C		P		P		P	P				P	
3	Monthly Operations and Production Report	None	C	C			C		C			C	C			C		P		P		P	P				P	
4	Third Party Funded Agreements Quarterly Report	None		C								C						P						P				
5	Quarterly Safety Program Presentation	Yes 15 min		C								C						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	C																			
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	C																			
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							C																			
12	Approve Bidding and Purchasing of Treatment Vessels and a Final Design Work Authorization for Kennedy Jenks Consultants for Q2 Well Perchlorate Treatment	None							C																			
13	Approve Receiving and Filing the Public Notification of PFOS and PFOA Notification Level Exceedances	None							C																			
14	Recommend Approval of Construction Contract Funding and a Work Authorization for Inspection Services for Magic Mountain Pipeline No. 6A	Yes 10 min								C	C																	
15	Recommend Approval to Purchase a Backhoe-Replacement Unit No. 15	None								C	C																	
16	Presentation on Distribution System Interconnections	Yes										C	C															
17	Conference with Real Property Negotiators (Section 54956.8) Castaic Tank 1A Cell Lease - Verizon (33030 Ridge Route Road, Castaic, CA 91384) - CLOSED SESSION	None											C	C														
18	Approve Site Construction Budget Authorization for the N Wells PFAS Treatment and Well Q2 Perchlorate Removal Facility	Yes 10 min											C	C														

C = Completed Item  
P = Planned Item

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

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19	Recommend Approval of Resolution Awarding Construction Contract for West Ranch Recycled Water Main Extension (Phase 2D) Project	Yes 10 min														C	P												
20	Recommend Approval of Resolution Awarding Construction Contract for Vista Canyon Recycled Water Main Extension (Phase 2B) Project	Yes 10 min														C	P												
21	Review FY 2020/21 Major Capital Projects	TBD																			P								
22	Recommend Approval of Resolution Awarding Construction Contract to TBD to Recoat Tank Exteriors at Princess Tanks Nos. 1 and 2	TBD																			P	P							
23	Recommend Approval of Construction Contract Funding and a Work Authorization for Replacement Wells Commerce Center Drive Pipeline	TBD																			P		P						
24	Recommend Approval of Resolution Awarding Contract to TBD for SC12 Facility Construction	None																			P		P						
25	Recommend Approval of a Work Authorization for Final Design of the Replacement Wells On-Site Pipeline/Infrastructure	TBD																					P			P			
26	Recommend Approval of Construction Contract Funding and a Work Authorization for Replacement Wells Construction	TBD																					P			P			
27	Recommend Approval of Construction Contract Funding and a Work Authorization for Inspection Services for Magic Mountain Pipeline No. 6B	TBD																					P			P			
28	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			
29	Recommend Approval of On-Call Engineering Services and/or Construction Management and Inspection Services	TBD																					P			P			
30	Recommend Approval of Resolution Awarding Construction Contract for ESFP Washwater Return and Sludge Systems Project	TBD																							P		P		
31	Recommend Approval of a Work Authorization for Final Design of the Groundwater Treatment Improvements	TBD																										P	P
32	Recommend Approval of a Work Authorization for Final Design of the Magic Mountain Reservoir	TBD																										P	P
33	Recommend Approval of Work Authorization for Groundwater Modeling Services for Perchlorate Containment Evaluation	TBD																										P	P

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**Engineering and Operations Committee  
Planning Calendar  
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34	Recommend Approval of Resolution Awarding Contract to TBD for Newhall Tank 2 Recoat and Repairs	TBD																											Moved to FY 2020/21
35	Recommend Approval of Resolution Awarding Construction Contract to TBD for Recycled Water Vista Canyon (Phase 2B) Tank	TBD																											Moved to FY 2020/21
36	Recommend Approval of Resolution Awarding Construction Contract for Pipeline to the Los Angeles Residential Community	TBD																											Moved to FY 2020/21
37	Recommend Approval of Construction of a New Deane Zone Pump Station and Cost Sharing Agreement with Developer	TBD																											Moved to FY 2020/21
38	Recommend Approval of Construction of Two New 2.5 MG Deane Tank and Cost Sharing Agreement with Developer	TBD																											Moved to FY 2020/21

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