



**SCV**  
**WATER**



**SCV WATER AGENCY  
TELECONFERENCE  
ENGINEERING AND OPERATIONS  
COMMITTEE MEETING  
THURSDAY, SEPTEMBER 2, 2021  
START TIME: 5:30 PM (PST)**

Join the Committee meeting from  
your computer, tablet or smartphone: **-OR-**  
<https://scvwa.zoomgov.com/j/1616107557>

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**+1-(833)-568-8864**  
Webinar ID: 161 610 7557

**To participate in public comment from your computer, tablet, or smartphone:**

When the Chair announces the agenda item you wish to speak on, click the **“raise hand” feature in Zoom\***. You will be notified when it is your turn to speak.

**To participate in public comment via phone:**

When the Chair announces the agenda item you wish to speak on, **dial \*9 to raise your hand**. Phone participants will be called on by the **LAST TWO digits** of their phone number. **When it is your turn to speak, dial \*6 to unmute**. When you are finished with your public comment dial **\*6 to mute**.

Can't attend? If you wish to still have your comments/concerns addressed by the Committee, all written public comments can be submitted by 4:00 PM the day of the meeting by either e-mail or mail.\*\* Please send all written comments to Elizabeth Adler. Refer to the Committee Agenda for more information.

\*For more information on how to use Zoom go to [support.zoom.us](https://support.zoom.us) or for “raise hand” feature instructions, visit <https://support.zoom.us/hc/en-us/articles/205566129-Raise-Hand-In-Webinar>

\*\*All written comments received after 4:00 PM the day of the meeting will be posted to [yourscvwater.com](https://yourscvwater.com) the next day. Public comments can also be heard the night of the meeting.

**Disclaimer:** Pursuant to the Executive Order N-08-21 issued by Governor Newsom, public may not attend meetings in person. Public may use the above methods to attend and participate in the public board meetings.

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**Date:** August 25, 2021

**To:** **Engineering and Operations Committee**  
William Cooper, Chair  
Jeff Ford  
Gary Martin  
Piotr Orzechowski  
Lynne Plambeck

**From:** Courtney Mael, Chief Engineer *CM*  
Keith Abercrombie, Chief Operating Officer *KA*

The **Engineering and Operations Committee** is scheduled to meet via teleconference on **Thursday, September 2, 2021 at 5:30 PM**, dial in information is listed below.

**TELECONFERENCE ONLY  
NO PHYSICAL LOCATION FOR MEETING**

**TELECONFERENCE NOTICE**

Pursuant to the provisions of Executive Order N-08-21 issued by Governor Gavin Newsom on June 11, 2021, any Director may call into an Agency Committee meeting using the Agency's **Call-In Number 1-833-568-8864, Access Code 160 610 7557** or **Zoom Webinar by clicking on the link <https://scvwa.zoomgov.com/j/1616107557>** without otherwise complying with the Brown Act's teleconferencing requirements.

Pursuant to the above Executive Order, the public may not attend the meeting in person. Any member of the public may listen to the meeting or make comments to the Committee using the call-in number or Zoom Webinar link above. Please see the notice below if you have a disability and require an accommodation in order to participate in the meeting.

We request that the public submit any comments in writing if practicable, which can be sent to **[eadler@scvwa.org](mailto:eadler@scvwa.org)** or mailed to **Elizabeth Adler, Executive Assistant**, Santa Clarita Valley Water Agency, 26515 Summit Circle, Santa Clarita, CA 91350. All written comments received before 4:00 PM the day of the meeting will be distributed to the Committee members and posted on the Santa Clarita Valley Water Agency website prior to the meeting. Anything received after 4:00 PM the day of the meeting will be posted on the SCV Water website the following day.

**MEETING AGENDA**

<b><u>ITEM</u></b>		<b><u>PAGE</u></b>
1.	Public Comments – Members of the public may comment as to items within the subject matter jurisdiction of the Agency that are not on the Agenda at this time. Members of the public wishing to comment on items covered in this Agenda may do so at the time each item is considered. (Comments may, at the discretion of the Committee Chair, be limited to three minutes for each speaker.)	
2.	* Recommend Approval of a Three-Year Annual Service Contract for the Liquid Chromatography Tandem Mass Spectrometer (LCMSMS)	1
3.	* Monthly Operations and Production Report	3
4.	* Capital Improvement Projects Construction Status Report	109
5.	* Committee Planning Calendar	111
6.	* General Report on Treatment, Distribution, Operations and Maintenance Services Section Activities	115
7.	General Report on Engineering Services Section Activities	
8.	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 Elizabeth Adler, Executive Assistant, at (661) 297-1600, or in 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, CA 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 August 26, 2021.

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## COMMITTEE MEMORANDUM

**DATE:** August 17, 2021

**TO:** Engineering and Operations Committee

**FROM:** Mike Alvord   
Director of Operations & Maintenance

**SUBJECT:** Recommend Approval of a Three-Year Annual Service Contract for the Liquid Chromatography Tandem Mass Spectrometer (LCMSMS)

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### SUMMARY

In July 2020, the Board of Directors authorized the purchase of an SCIEX Liquid Chromatography Tandem Mass Spectrometer (LCMSMS) in order to perform laboratory analysis for per- and polyfluoroalkyl substances (PFAS) in drinking water. As part of operating this equipment, an annual service contract is recommended.

### DISCUSSION

Staff has been operating the SCIEX LCMSMS for approximately 8 months. In addition, the laboratory has completed the required audit and application process in order to receive state certification through the Environmental Laboratory Accreditation Program (ELAP). ELAP accreditation should be received within the next month. This will allow the SCV Water laboratory to process PFAS samples at a fraction of the cost and in less time than contract laboratories.

With this type of equipment, an annual service contract is recommended. The annual service contract includes:

- All LC components
- All software updates
- All parts and repairs
- One Preventative Maintenance service per year

There are two options for an annual service contract

- One Year = \$45,934.10
- Three-Year = \$42,112.10 (per year) or \$126,336.30 (3-year total)

Contract laboratory costs are approximately \$350,000 per year. As additional PFAS treatment plants are completed costs will increase. Based on current contract laboratory costs, the Return on Investment (ROI), which includes the equipment costs, accreditation fees, laboratory supplies, staff time, and an annual service estimate of \$45,000 is approximately 1.5 years. Staff is recommending the three-year annual maintenance contract.

## **FINANCIAL CONSIDERATIONS**

Funds for the annual service contract for the SCIEX 5500+ LCMSMS are included in the approved two-year (FY 21/22 and FY 22/23) operating expense budgets.

## **RECOMMENDATION**

That the Engineering and Operations Committee recommends that the Board of Directors authorize the General Manager to enter into a three-year annual service contract for the SCIEX 5500+ LCMSMS instrument in the amount of \$126,336.30.

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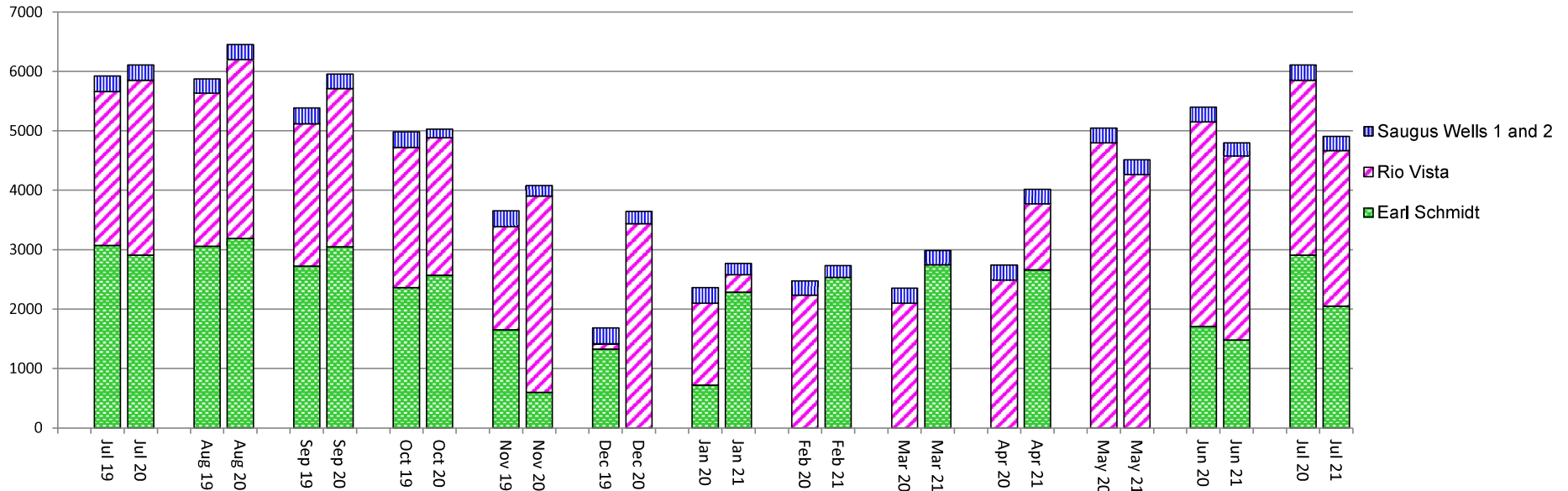
# Monthly Operations & Production Report

July 2021

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**SANTA CLARITA VALLEY WATER AGENCY**  
 July 2021 Regional Operations Report

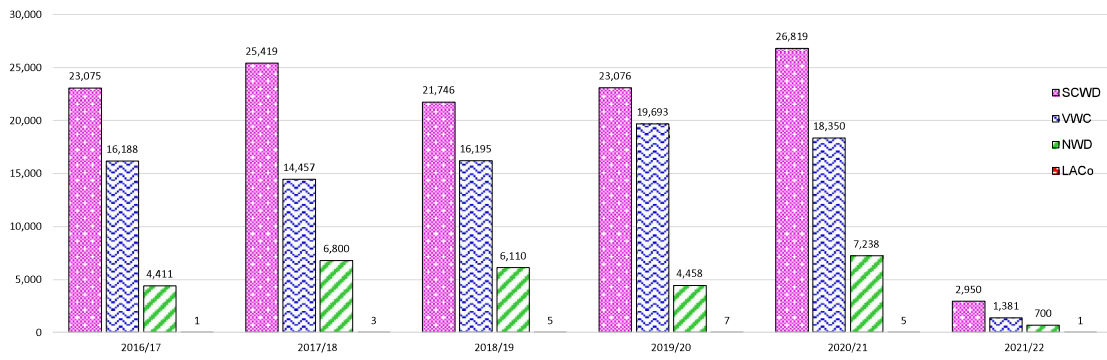
**Water Supply (acre-feet)**



Source	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Total
Earl Schmidt	2906	3187	3050	2571	601	0	2289	2533	2748	2659	0	1484	2049	26077
Rio Vista	2950	3013	2662	2314	3302	3436	292	0	0	1115	4265	3098	2620	29067
Saugus 1 and 2	251	252	245	145	176	211	189	197	239	241	251	218	239	2854
<b>Total</b>	<b>6107</b>	<b>6452</b>	<b>5957</b>	<b>5030</b>	<b>4079</b>	<b>3647</b>	<b>2770</b>	<b>2730</b>	<b>2987</b>	<b>4015</b>	<b>4516</b>	<b>4800</b>	<b>4908</b>	<b>57998</b>
Total Sold	6048	6373	5870	4970	4050	3605	2766	2662	2871	3887	4500	4809	5030	57441
RWTP Use/Storage	22	43.68	31.48	33.8	6.41	42.02	-39.16	7.31	4.66	34.82	29.93	48.12	-26.35	238.72
<b>Total Use</b>	<b>6070</b>	<b>6416.68</b>	<b>5901.48</b>	<b>5003.8</b>	<b>4056.41</b>	<b>3647.02</b>	<b>2726.84</b>	<b>2669.31</b>	<b>2875.66</b>	<b>3921.82</b>	<b>4529.93</b>	<b>4857.12</b>	<b>5003.65</b>	<b>57679.72</b>
Water Loss	-0.61%	-0.55%	-0.93%	-0.52%	-0.55%	-0.01%	-1.56%	-2.22%	-3.73%	-2.32%	0.31%	1.19%	1.95%	-0.73%
<b>Recycled Water</b>	<b>Jul-20</b>	<b>Aug-20</b>	<b>Sep-20</b>	<b>Oct-20</b>	<b>Nov-20</b>	<b>Dec-20</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>	<b>Apr-21</b>	<b>May-21</b>	<b>Jun-21</b>	<b>Jul-21</b>	<b>Total</b>
Valencia	76	68	64	18	27	20	16	15	23	38	51	66	71	553

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

### HISTORICAL FY Production 2016-2022



### HISTORICAL FY PRODUCTION 2015-2021

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	764	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>
Cum. FYTD	4,447	9,218	13,309	16,888	19,501	21,732	23,467	25,184	27,882	32,034	37,593	43,674	
2017/18	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	3,085	3,035	2,589	2,462	1,922	1,955	1,578	1,580	969	1,905	2,076	2,284	25,419
VWC	2,089	1,723	1,184	1,260	966	969	853	676	619	1,160	1,336	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>5,958</b>	<b>5,615</b>	<b>4,619</b>	<b>4,522</b>	<b>3,528</b>	<b>3,481</b>	<b>2,684</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>
Cum. FYTD	5,958	11,573	16,192	20,714	24,242	27,723	30,407	32,939	34,685	38,099	41,984	46,680	
2018/19	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,694	2,816	2,535	2,174	1,882	1,274	1,110	493	1,177	1,770	1,632	2,189	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>
Cum. FYTD	5,639	11,494	16,654	20,665	24,014	25,961	27,766	28,567	31,302	35,318	39,072	44,057	
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	1,207	1,416	1,212	1,368	2,358	2,552	23,076
VWC	2,491	2,518	2,348	2,145	1,526	604	957	762	919	1,066	2,171	2,186	19,693
NWD	721	518	492	422	280	130	188	232	177	226	475	597	4,458
LACo	2	0	0	1	1	1	1	0	0	0	0	0	7
<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>2,353</b>	<b>2,411</b>	<b>2,309</b>	<b>2,660</b>	<b>5,004</b>	<b>5,336</b>	<b>47,234</b>
Cum. FYTD	5,823	11,602	16,918	21,796	25,448	27,162	29,515	31,926	34,235	36,894	41,898	47,234	
2020/21	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,849	3,117	2,792	2,470	1,907	1,907	1,548	1,423	1,590	2,080	2,428	2,709	26,819
VWC	2,316	2,257	2,115	1,915	1,653	1,324	904	892	962	1,233	1,383	1,395	18,350
NWD	882	999	963	584	490	375	313	347	318	573	689	705	7,238
LACo	0	0	0	0	0	0	0	0	0	0	0	0	5
<b>Total</b>	<b>6,048</b>	<b>6,373</b>	<b>5,870</b>	<b>4,970</b>	<b>4,050</b>	<b>3,605</b>	<b>2,766</b>	<b>2,662</b>	<b>2,871</b>	<b>3,887</b>	<b>4,500</b>	<b>4,809</b>	<b>52,413</b>
Cum. FYTD	6,048	12,422	18,292	23,262	27,312	30,918	33,683	36,346	39,216	43,103	47,603	52,413	
2021/22	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,950	0	0	0	0	0	0	0	0	0	0	0	2,950
VWC	1,381	0	0	0	0	0	0	0	0	0	0	0	1,381
NWD	700	0	0	0	0	0	0	0	0	0	0	0	700
LACo	1	0	0	0	0	0	0	0	0	0	0	0	1
<b>Total</b>	<b>5,030</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>5,030</b>
Cum. FYTD	5,030	5,030	5,030	5,030	5,030	5,030	5,030	5,030	5,030	5,030	5,030	5,030	

\*Total does not include recycled water.

**SANTA CLARITA VALLEY WATER AGENCY**  
*Record of Weather Observations*  
 July 2021

DATE	High Temperature (°F)	Low Temperature (°F)	Precipitation (inches) 2021	Precipitation (inches) 2020
1-Jul	95	59	0.00	0.00
2-Jul	94	57	0.00	0.00
3-Jul	97	59	0.00	0.00
4-Jul	89	56	0.00	0.00
5-Jul	91	55	0.00	0.00
6-Jul	92	61	0.00	0.00
7-Jul	94	60	0.00	0.00
8-Jul	96	65	0.00	0.00
9-Jul	101	64	0.00	0.00
10-Jul	94	66	0.00	0.00
11-Jul	93	66	0.00	0.00
12-Jul	92	62	0.00	0.00
13-Jul	92	68	0.00	0.00
14-Jul	89	61	0.00	0.00
15-Jul	91	62	0.00	0.00
16-Jul	90	63	0.00	0.00
17-Jul	95	64	0.00	0.00
18-Jul	98	66	0.00	0.00
19-Jul	98	66	0.00	0.00
20-Jul	99	62	0.00	0.00
21-Jul	98	67	0.00	0.00
22-Jul	92	66	0.00	0.00
23-Jul	91	62	0.00	0.00
24-Jul	88	58	0.00	0.00
25-Jul	86	60	0.00	0.00
26-Jul	84	66	0.00	0.00
27-Jul	94	60	0.00	0.00
28-Jul	96	63	0.00	0.00
29-Jul	100	61	0.00	0.00
30-Jul	100	63	0.00	0.00
31-Jul	99	61	0.00	0.00

<b>TOTAL</b>			<b>0.00</b>	<b>0.00</b>
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	2020-2021	2019-2020
<i>Total Precipitation (inches) of Current Month</i>	0.00	0.00
<i>Total Precipitation (inches) End of Previous Month</i>	4.54	18.83

<b>Total Precipitation (inches) Since October 1st</b>	<b>4.54</b>	<b>18.83</b>
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<i>Temperature (°F) Averages for Current Month</i>	HIGH	93.8	90.8
	LOW	62.2	55.7

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

	<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>	<i>2009-10</i>
Oct	0.00	1.13	0.22	0.00	1.10	4.79	1.91	0.42	0.25	0.09	4.04
Nov	0.00	0.00	3.18	3.01	0.63	0.64	0.59	0.05	0.50	1.78	0.08
Dec	0.05	0.00	1.30	5.85	2.57	8.54	0.14	0.83	2.67	3.01	4.28
Jan	1.21	5.84	1.55	0.00	0.65	17.06	3.27	1.66	17.54	0.69	9.13
Feb	9.43	10.76	0.51	9.03	8.07	16.69	3.78	1.38	1.82	6.78	4.96
Mar	3.15	3.38	0.38	2.38	0.37	2.70	5.68	0.17	0.10	1.18	0.69
Apr	2.10	2.56	0.05	2.35	0.20	1.42	4.22	0.71	0.07	0.07	2.40
May	0.00	0.00	0.12	1.70	0.00	0.45	0.99	0.00	0.17	0.01	0.07
Jun	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
Jul	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.04	0.00	0.00	0.00
Aug	0.31	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00
Sep	0.00	0.00	0.02	0.00	0.00	0.17	0.00	1.32	0.00	0.00	0.00
<b>TOTAL</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>	<b>25.65</b>
	<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>	<i>2020-21</i>
Oct	1.34	1.97	0.15	0.11	0.32	0.17	0.43	0.00	0.52	0.01	0.04
Nov	1.87	2.50	2.20	1.41	0.64	0.21	1.49	0.06	1.87	2.61	0.14
Dec	11.97	1.19	1.54	0.37	6.16	0.49	3.44	0.01	2.77	5.12	1.40
Jan	0.96	1.23	1.94	0.06	1.44	6.07	10.30	3.18	8.08	0.54	2.08
Feb	5.36	0.13	0.42	5.26	0.74	0.69	8.98	0.35	8.56	0.12	0.03
Mar	8.86	4.99	1.21	1.64	1.09	2.75	0.33	7.50	4.15	5.81	0.84
Apr	0.12	4.02	0.00	0.31	0.16	0.37	0.09	0.02	0.09	4.45	0.01
May	0.74	0.01	0.74	0.00	0.66	0.09	0.26	0.01	1.60	0.16	0.00
Jun	0.04	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.00
Jul	0.01	0.00	0.08	0.02	0.87	0.00	0.01	0.00	0.00	0.00	0.00
Aug	0.00	0.01	0.00	0.05	0.00	0.02	0.07	0.00	0.00	0.00	0.00
Sep	0.00	0.02	0.00	0.00	0.78	0.00	0.13	0.02	0.03	0.01	
<b>TOTAL</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>18.84</b>	<b>4.54</b>



SANTA CLARITA VALLEY WATER AGENCY  
 WATER PRODUCTION BY WELL 2021 (ACRE-FEET)

NEWHALL WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
N12	108	70	132	160	190	212	227	0	0	0	0	0	1099
N13	120	77	146	178	215	237	259	0	0	0	0	0	1231
C1	27	30	33	39	0	1	57	0	0	0	0	0	188
C2	13	14	15	19	24	25	26	0	0	0	0	0	135
C7	36	39	44	56	67	72	74	0	0	0	0	0	388
P1	0	0	0	0	0	0	0	0	0	0	0	0	0
P3	0	0	0	0	0	32	63	0	0	0	0	0	95
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>303</b>	<b>230</b>	<b>371</b>	<b>452</b>	<b>495</b>	<b>578</b>	<b>704</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3135</b>

SANTA CLARITA WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
LOST CANYON NO.2	23	21	23	27	32	31	34	0	0	0	0	0	191
LOST CANYON NO.2A	48	23	52	69	76	69	75	0	0	0	0	0	412
SAND CANYON	50	48	58	58	68	71	76	0	0	0	0	0	429
MITCHELL 5A	0	0	0	0	0	0	39	0	0	0	0	0	39
MITCHELL 5B	0	0	0	0	0	0	0	0	0	0	0	0	0
SIERRA	0	0	0	0	0	0	65	0	0	0	0	0	65
NORTH OAKS EAST	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH OAKS CENTRAL	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH OAKS WEST	0	0	0	0	0	0	0	0	0	0	0	0	0
HONBY	0	0	0	0	0	0	0	0	0	0	0	0	0
GUIDA	16	47	51	57	67	72	74	0	0	0	0	0	384
CLARK	0	0	0	0	0	0	0	0	0	0	0	0	0
SANTA CLARA	0	0	0	0	0	0	0	0	0	0	0	0	0
VALLEY CENTER	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL SCWD</b>	<b>137</b>	<b>139</b>	<b>184</b>	<b>211</b>	<b>243</b>	<b>243</b>	<b>363</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1520</b>

VALENCIA WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
D	0	0	0	0	0	0	0	0	0	0	0	0	0
E15	47	54	69	103	90	129	141	0	0	0	0	0	631
E17	34	41	44	81	76	105	121	0	0	0	0	0	503
N	77	117	107	99	123	114	105	0	0	0	0	0	743
N7	116	165	158	100	139	105	143	0	0	0	0	0	926
N8	74	128	145	169	173	193	173	0	0	0	0	0	1055
Q2	0	0	0	0	0	0	0	0	0	0	0	0	0
T7	0	0	0	0	0	0	0	0	0	0	0	0	0
U6	0	0	0	0	0	0	0	0	0	0	0	0	0
U4	0	0	0	0	0	0	0	0	0	0	0	0	0
S6	0	0	0	0	0	0	0	0	0	0	0	0	0
S7	0	0	0	0	0	0	0	0	0	0	0	0	0
S8	0	0	0	0	0	0	0	0	0	0	0	0	0
W11	2	51	66	97	66	131	133	0	0	0	0	0	547
W9	31	32	48	90	107	103	106	0	0	0	0	0	516
W10	0	0	0	0	0	0	153	0	0	0	0	0	153
159 (GOLF COURSE IRRIGATION)	0	1	2	0	4	12	2	0	0	0	0	0	21
160 (SYSTEM)	1	9	6	6	2	65	110	0	0	0	0	0	198
160 (GOLF COURSE IRRIGATION)	22	33	37	65	74	85	87	0	0	0	0	0	403
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	76	95	145	205	118	199	256	0	0	0	0	0	1093
207	82	2	0	39	163	220	280	0	0	0	0	0	786
<b>TOTAL VWD</b>	<b>562</b>	<b>728</b>	<b>827</b>	<b>1053</b>	<b>1134</b>	<b>1462</b>	<b>1809</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7576</b>

S1	113	114	132	134	137	125	130	0	0	0	0	0	886
S2	76	84	107	106	114	92	109	0	0	0	0	0	688
<b>TOTAL S1 &amp; S2</b>	<b>189</b>	<b>197</b>	<b>239</b>	<b>241</b>	<b>251</b>	<b>218</b>	<b>239</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1574</b>

<b>TOTAL WELL PRODUCTION</b>	<b>1192</b>	<b>1294</b>	<b>1621</b>	<b>1957</b>	<b>2124</b>	<b>2502</b>	<b>3116</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13804</b>
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WELL 201 (NON-SYSTEM)	106	97	98	86	0	0	0	0	0	0	0	0	387
WELL 205 (NON-SYSTEM)	0.00	0.00	0.00	5.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.42
HONBY (NON-SYSTEM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MITCHELL 5B (NON-SYSTEM)	0.19	0.42	0.00	0.43	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22
N (NON-SYSTEM)	4.13	0.01	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.24
N7 (NON-SYSTEM)	4.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.08
N8 (NON-SYSTEM)	2.04	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.26
NORTH OAKS CENTRAL (NON-SYSTEM)	0.00	0.59	0.00	0.60	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.39
Q2 (NON SYSTEM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S8 (NON-SYSTEM)	0.72	0.31	0.00	0.19	0.09	0.00	0.25	0.00	0.00	0.00	0.00	0.00	1.56
T7 (NON-SYSTEM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VALLEY CENTER (NON-SYSTEM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
W10 (NON-SYSTEM)	0.00	0.42	0.00	0.00	0.39	0.61	0.00	0.00	0.00	0.00	0.00	0.00	1.43
P3 (NON-SYSTEM)	0.00	0.11	0.00	0.35	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48

NEWHALL WATER DIVISION  
WATER PRODUCTION 2021 (ACRE-FEET)

GROUNDWATER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>NEWHALL SYSTEM</b>													
N12	108	70	132	160	190	212	227						1099
N13	120	77	146	178	215	237	259						1231
<b>CASTAIC SYSTEM</b>													
C1	27	30	33	39	0	1	57						188
C2	13	14	15	19	24	25	26						135
C7	36	39	44	56	67	72	74						388
<b>PINETREE SYSTEM</b>													
P1	0	0	0	0	0	0	0						0
P3	0	0	0	0	0	32	63						95
P4	0	0	0	0	0	0	0						0
P5	0	0	0	0	0	0	0						0
S1 & S2	51	53	64	64	67	58	64						422
<b>TOTAL GROUNDWATER</b>	<b>354</b>	<b>283</b>	<b>435</b>	<b>517</b>	<b>563</b>	<b>637</b>	<b>768</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3556</b>
<b>SURFACE WATER + S1 &amp; S2</b>													
<b>NEWHALL SYSTEM</b>													
N-3	43	125	38	58	33	28	46						369
<b>CASTAIC SYSTEM</b>													
N-1	32	20	26	35	95	100	57						364
<b>PINETREE SYSTEM</b>													
N-2	122	111	127	169	202	185	179						1094
<b>TESORO SYSTEM</b>													
N-4	117	91	127	311	359	393	418						1818
<b>TOTAL SURFACE WATER + S1 &amp; S2</b>	<b>313</b>	<b>347</b>	<b>318</b>	<b>573</b>	<b>689</b>	<b>705</b>	<b>700</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3645</b>
<b>TOTAL GROUNDWATER (INCLUDES S1 &amp; S2)</b>	<b>354</b>	<b>283</b>	<b>435</b>	<b>517</b>	<b>563</b>	<b>637</b>	<b>768</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3556</b>
<b>TOTAL SURFACE WATER (NO S1 &amp; S2)</b>	<b>263</b>	<b>294</b>	<b>254</b>	<b>508</b>	<b>621</b>	<b>647</b>	<b>636</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3224</b>
<b>TOTAL PRODUCTION (GW + SURFACE WATER)</b>	<b>617</b>	<b>578</b>	<b>689</b>	<b>1025</b>	<b>1184</b>	<b>1284</b>	<b>1404</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6780</b>
<b>% BY SOURCE</b>													
GROUNDWATER	57%	49%	63%	50%	48%	50%	55%						52%
SURFACE WATER	43%	51%	37%	50%	52%	50%	45%						48%
<b>P3 (NON-SYSTEM) *</b>	<b>0.00</b>	<b>0.11</b>	<b>0.00</b>	<b>0.35</b>	<b>0.02</b>	<b>0</b>	<b>0</b>						<b>0.48</b>

\* Not used in the calculation for % by Source

**SANTA CLARITA WATER DIVISION  
WATER PRODUCTION 2021 (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	23	21	23	27	32	31	34						191
LOST CANYON NO.2A	48	23	52	69	76	69	75						412
SAND CANYON	50	48	58	58	68	71	76						429
MITCHELL 5A (online 7/7)	0	0	0	0	0	0	39						39
MITCHELL 5B	0	0	0	0	0	0	0						0
SIERRA (online 7/6)	0	0	0	0	0	0	65						65
NORTH OAKS EAST	0	0	0	0	0	0	0						0
NORTH OAKS CENTRAL	0	0	0	0	0	0	0						0
NORTH OAKS WEST	0	0	0	0	0	0	0						0
HONBY	0	0	0	0	0	0	0						0
GUIDA	16	47	51	57	67	72	74						384
CLARK	0	0	0	0	0	0	0						0
SANTA CLARA	0	0	0	0	0	0	0						0
VALLEY CENTER	0	0	0	0	0	0	0						0
<b>TOTAL ALLUVIUM</b>	<b>137</b>	<b>139</b>	<b>184</b>	<b>211</b>	<b>243</b>	<b>243</b>	<b>363</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1520</b>
SAUGUS WELLS S1 & S2	139	144	175	176	184	159	175						1152
<b>TOTAL GROUNDWATER</b>	<b>276</b>	<b>283</b>	<b>359</b>	<b>387</b>	<b>427</b>	<b>402</b>	<b>538</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2672</b>
<b>SURFACE + 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	326	227	189	200	175	183	209						1509
SC-2 HONBY	0	0	0	0	0	0	0						0
SC-3 WILEY	73	76	93	128	143	145	159						817
SC-4 HONBY #2	356	404	486	450	602	657	658						3613
SC-5 RIO VISTA	20	0	0	74	192	177	216						679
SC-6 LOST CANYON	64	83	91	123	177	201	207						946
SC-7	175	97	119	356	405	393	416						1962
SC-8	159	169	173	231	254	327	427						1740
SC-9	87	94	106	119	211	279	286						1182
SC-10	35	45	52	60	40	57	77						367
SC-11	0	0	0	0	0	0	0						0
SC-12	126	113	115	162	84	122	108						829
SC-13	127	114	166	178	144	168	185						1082
<b>TOTAL SURFACE WATER + S1 &amp; S2</b>	<b>1548</b>	<b>1,423</b>	<b>1,590</b>	<b>2,080</b>	<b>2,428</b>	<b>2,709</b>	<b>2,950</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14,727</b>
METERING ADJUSTMENT	-4.8	-4.6	-3.9	-7.99	0	0	0						-21.2
<b>NET SURFACE WATER + S1 &amp; S2</b>	<b>1,543</b>	<b>1,418</b>	<b>1,586</b>	<b>2,072</b>	<b>2,428</b>	<b>2,709</b>	<b>2,950</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14,705</b>
<b>TOTAL GROUNDWATER (INCLUDES S1 &amp; S2)</b>	<b>276</b>	<b>283</b>	<b>359</b>	<b>387</b>	<b>427</b>	<b>402</b>	<b>538</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2672</b>
<b>TOTAL SURFACE WATER (NO S1 &amp; S2)</b>	<b>1,409</b>	<b>1,278</b>	<b>1,415</b>	<b>1,904</b>	<b>2,244</b>	<b>2,549</b>	<b>2,775</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,575</b>
<b>TOTAL PRODUCTION (GW + SURFACE WATER)</b>	<b>1,685</b>	<b>1,562</b>	<b>1,774</b>	<b>2,291</b>	<b>2,671</b>	<b>2,952</b>	<b>3,313</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,247</b>
<b>% BY SOURCE</b>													
GROUNDWATER	16%	18%	20%	17%	16%	14%	16%						16%
SURFACE WATER	84%	82%	80%	83%	84%	86%	84%						84%
<b>HONBY (NON-SYSTEM) *</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
<b>MITCHELL 5B (NON-SYSTEM) *</b>	0.19	0.42	0.00	0.43	0.19	0.00	0.00						1.22
<b>NORTH OAKS CENTRAL (NON-SYSTEM) *</b>	0.00	0.59	0.00	0.60	0.21	0.00	0.00						1.39
<b>VALLEY CENTER (NON-SYSTEM) *</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00

\* Not used in the calculation for % by Source

VALENCIA WATER DIVISION  
WATER PRODUCTION 2021 (ACRE-FEET)

ALLUVIUM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
D	0	0	0	0	0	0	0						0
E15	47	54	69	103	90	129	141						631
E17	34	41	44	81	76	105	121						503
N	77	117	107	99	123	114	105						743
N7	116	165	158	100	139	105	143						926
N8	74	128	145	169	173	193	173						1055
Q2	0	0	0	0	0	0	0						0
T7	0	0	0	0	0	0	0						0
U6	0	0	0	0	0	0	0						0
U4	0	0	0	0	0	0	0						0
S6	0	0	0	0	0	0	0						0
S7	0	0	0	0	0	0	0						0
S8	0	0	0	0	0	0	0						0
W11	2	51	66	97	66	131	133						547
W9	31	32	48	90	107	103	106						516
W10 (online 7/6)	0	0	0	0	0	0	153						153
<b>TOTAL ALLUVIUM</b>	<b>381</b>	<b>588</b>	<b>637</b>	<b>739</b>	<b>774</b>	<b>882</b>	<b>1074</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5074</b>
SAUGUS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
159	0	1	2	0	4	12	2						21
160 - DOM	1	9	6	6	2	65	110						198
160 - VGC*	22	33	37	65	74	85	87						403
201	0	0	0	0	0	0	0						0
205	0	0	0	0	0	0	0						0
206	76	95	145	205	118	199	256						1093
207	82	2	0	39	163	220	280						786
<b>TOTAL SAUGUS</b>	<b>181</b>	<b>140</b>	<b>190</b>	<b>315</b>	<b>360</b>	<b>581</b>	<b>735</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2502</b>
SURFACE WATER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
V-1	81	90	116	114	159	128	130						819
V-2	120	238	230	176	262	435	407						1869
V-4	75	80	110	140	173	176	124						878
V-5	219	260	194	213	228	244	357						1715
V-6	136	68	58	55	96	100	125						637
V-7	111	68	66	76	142	85	56						605
V-8	162	88	188	459	323	227	182						1627
<b>TOTAL SURFACE WATER</b>	<b>904</b>	<b>892</b>	<b>962</b>	<b>1,233</b>	<b>1,383</b>	<b>1,395</b>	<b>1,381</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,150</b>
<b>TOTAL GROUNDWATER</b>	<b>562</b>	<b>728</b>	<b>827</b>	<b>1,053</b>	<b>1,134</b>	<b>1,462</b>	<b>1,809</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,576</b>
<b>TOTAL SURFACE WATER</b>	<b>904</b>	<b>892</b>	<b>962</b>	<b>1,233</b>	<b>1,383</b>	<b>1,395</b>	<b>1,381</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,150</b>
<b>TOTAL PRODUCTION (GW + SURFACE WATER)</b>	<b>1,466</b>	<b>1,620</b>	<b>1,789</b>	<b>2,286</b>	<b>2,517</b>	<b>2,858</b>	<b>3,190</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15,726</b>
% BY SOURCE													
GROUNDWATER	37%	44%	45%	44%	43%	50%	56%						47%
SURFACE WATER	63%	56%	55%	56%	57%	50%	44%						53%
<b>RECYCLED WATER</b>	<b>16</b>	<b>15</b>	<b>23</b>	<b>38</b>	<b>51</b>	<b>66</b>	<b>71</b>						<b>280</b>
Well 201 Discharge *	106	97	98	86	0	0	0						387
Well 205 Non-System *	0.00	0.00	0.00	5.42	0.00	0.00	0.00						5.42
Well N Non-System *	4.13	0.01	0.00	0.00	0.10	0.00	0.00						4.24
Well N7 Non-System *	4.04	0.03	0.00	0.00	0.00	0.00	0.00						4.08
Well N8 Non-System *	2.04	0.00	0.00	0.00	0.22	0.00	0.00						2.26
Well Q2 Non-System *	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Well S8 Non-System *	0.72	0.31	0.00	0.19	0.09	0.00	0.25						1.56
Well T7 Non-System *	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Well W10 Non-System *	0.00	0.42	0.00	0.00	0.39	0.61	0.00						1.43

\*Not used in the calculation for % by source

**LOS ANGELES COUNTY WATERWORKS DISTRICT 36**

**SOURCE**

<b>TURNOUT</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>	<b>Apr-21</b>	<b>May-21</b>	<b>Jun-21</b>	<b>Jul-21</b>	<b>Aug-21</b>	<b>Sep-21</b>	<b>Oct-21</b>	<b>Nov-21</b>	<b>Dec-21</b>	<b>TOTAL</b>
LA 1	0.00	0	0	0	0	0.00	0						0.00
LA 3	0.40	0.3069	0.3836	0.3959	0.3867	0.47	0.669						3.01
<b>TOTAL</b>	<b>0.40</b>	<b>0.3069</b>	<b>0.3836</b>	<b>0.3959</b>	<b>0.3867</b>	<b>0.4665</b>	<b>0.669</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>3.01</b>

**RAW WATER**

<b>SOURCE</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>	<b>Apr-21</b>	<b>May-21</b>	<b>Jun-21</b>	<b>Jul-21</b>	<b>Aug-21</b>	<b>Sep-21</b>	<b>Oct-21</b>	<b>Nov-21</b>	<b>Dec-21</b>	<b>TOTAL</b>
RVTP	292	0	0	1,115	4265	3098	2,620						11,388.89
ESTP	2,289	2,533	2,748	2,659	0	1484	2,049						13,761.10
Wells	189	197	239	241	251	218	239						1,573.73
<b>TOTAL</b>	<b>2,770</b>	<b>2,730</b>	<b>2,987</b>	<b>4,014</b>	<b>4,516</b>	<b>4,799</b>	<b>4,908</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26,723.72</b>

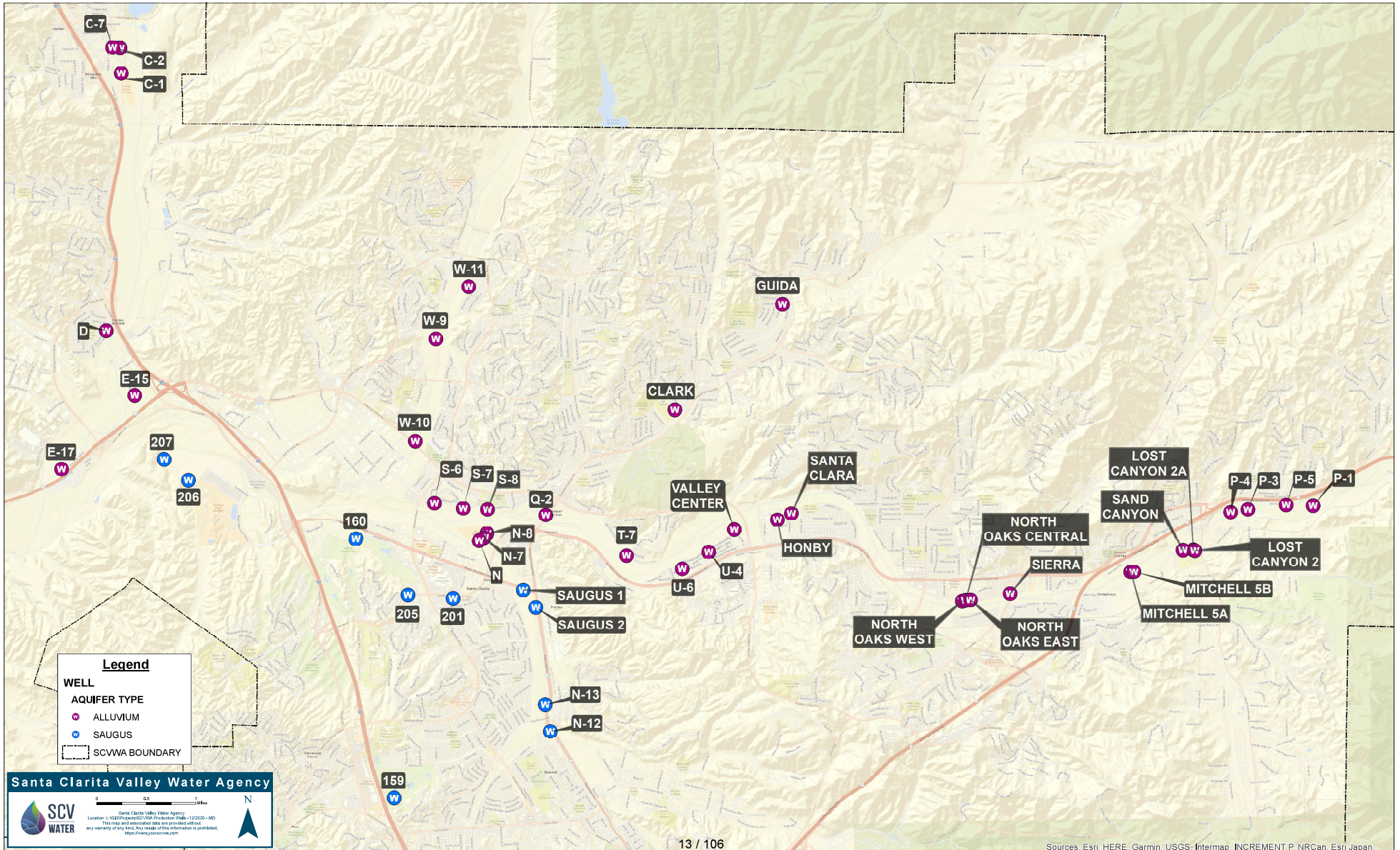
**S1/S2 TREATMENT**

<b>SOURCE</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>	<b>Apr-21</b>	<b>May-21</b>	<b>Jun-21</b>	<b>Jul-21</b>	<b>Aug-21</b>	<b>Sep-21</b>	<b>Oct-21</b>	<b>Nov-21</b>	<b>Dec-21</b>	<b>TOTAL</b>
S1	113.09	113.79	131.86	134.46	137.35	125.44	129.6						885.59
S2	76.197	83.52	107.11	106.16	113.7	92.294	109.2						688.15
<b>TOTAL</b>	<b>189.29</b>	<b>197.31</b>	<b>238.97</b>	<b>240.62</b>	<b>251.05</b>	<b>217.74</b>	<b>238.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1573.73</b>

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# SCVWA PRODUCTION WELLS



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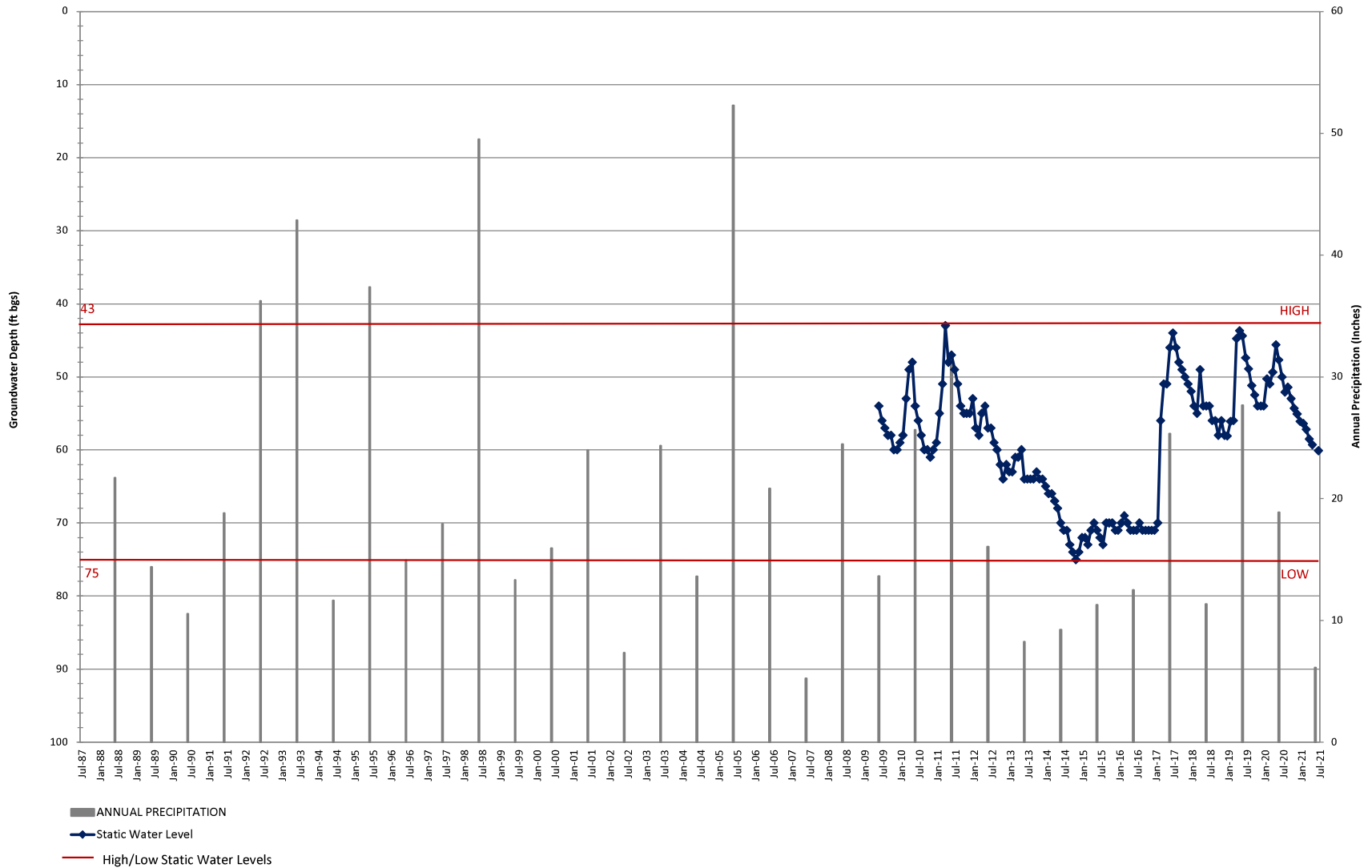
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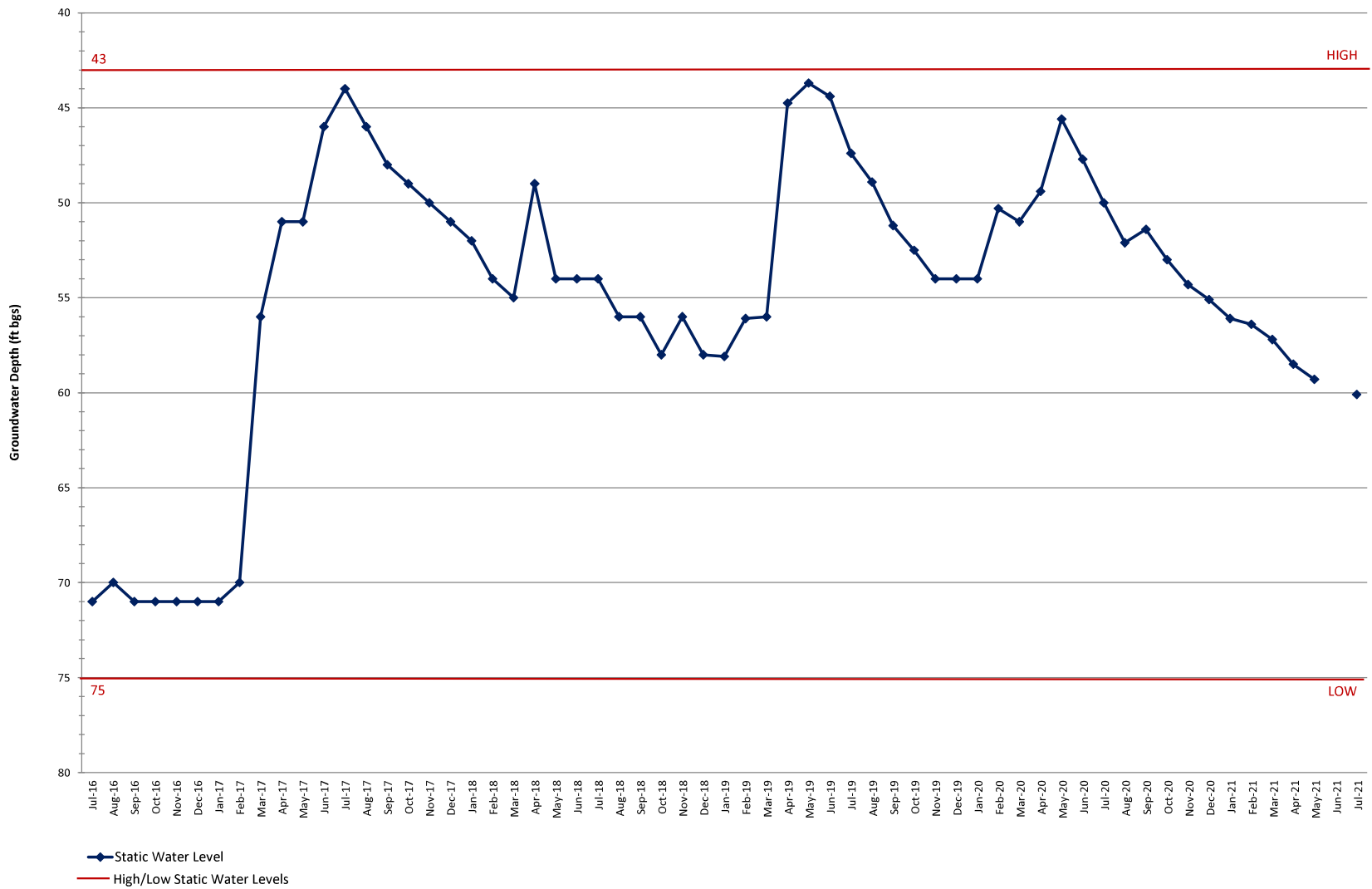
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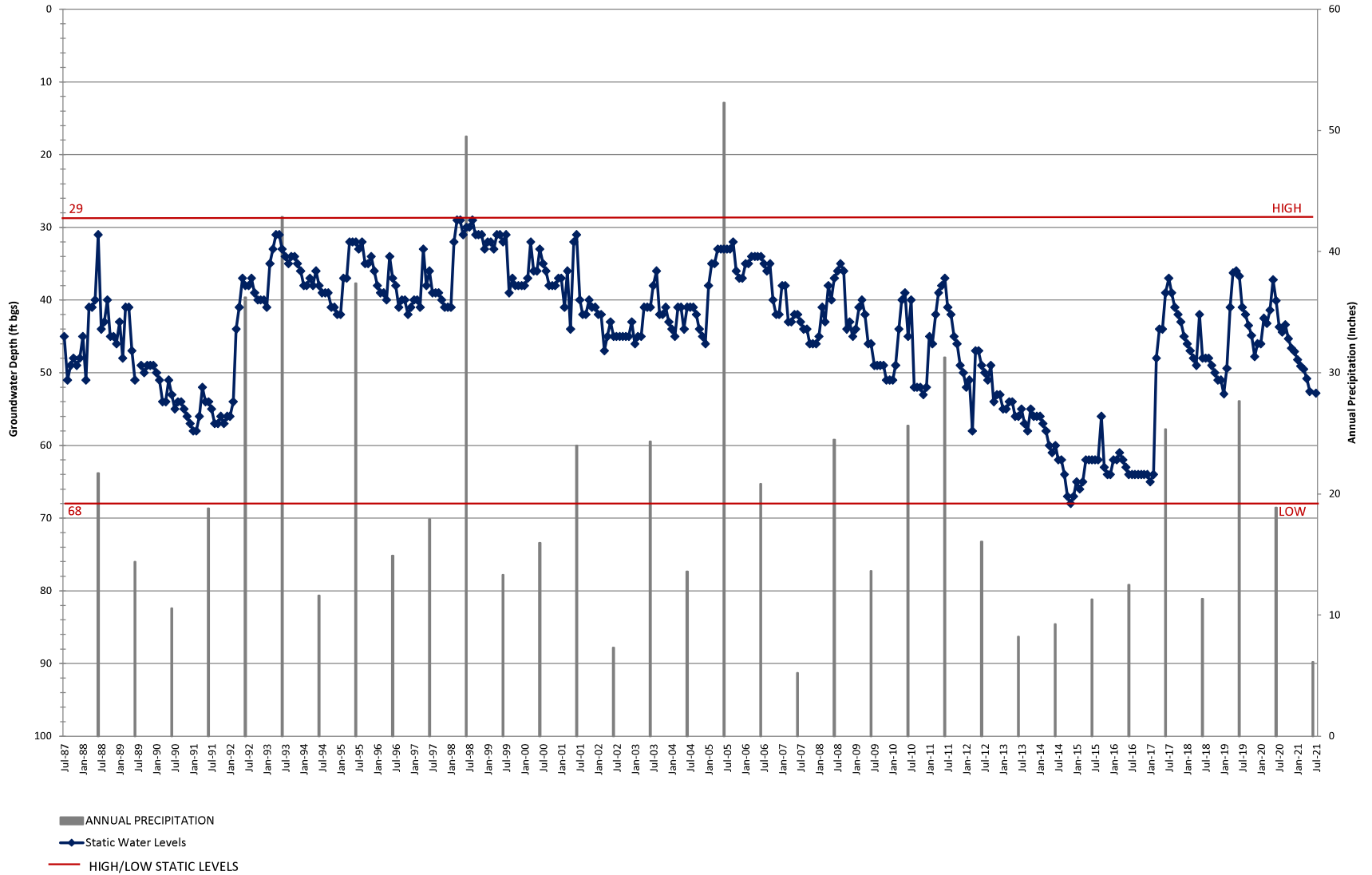
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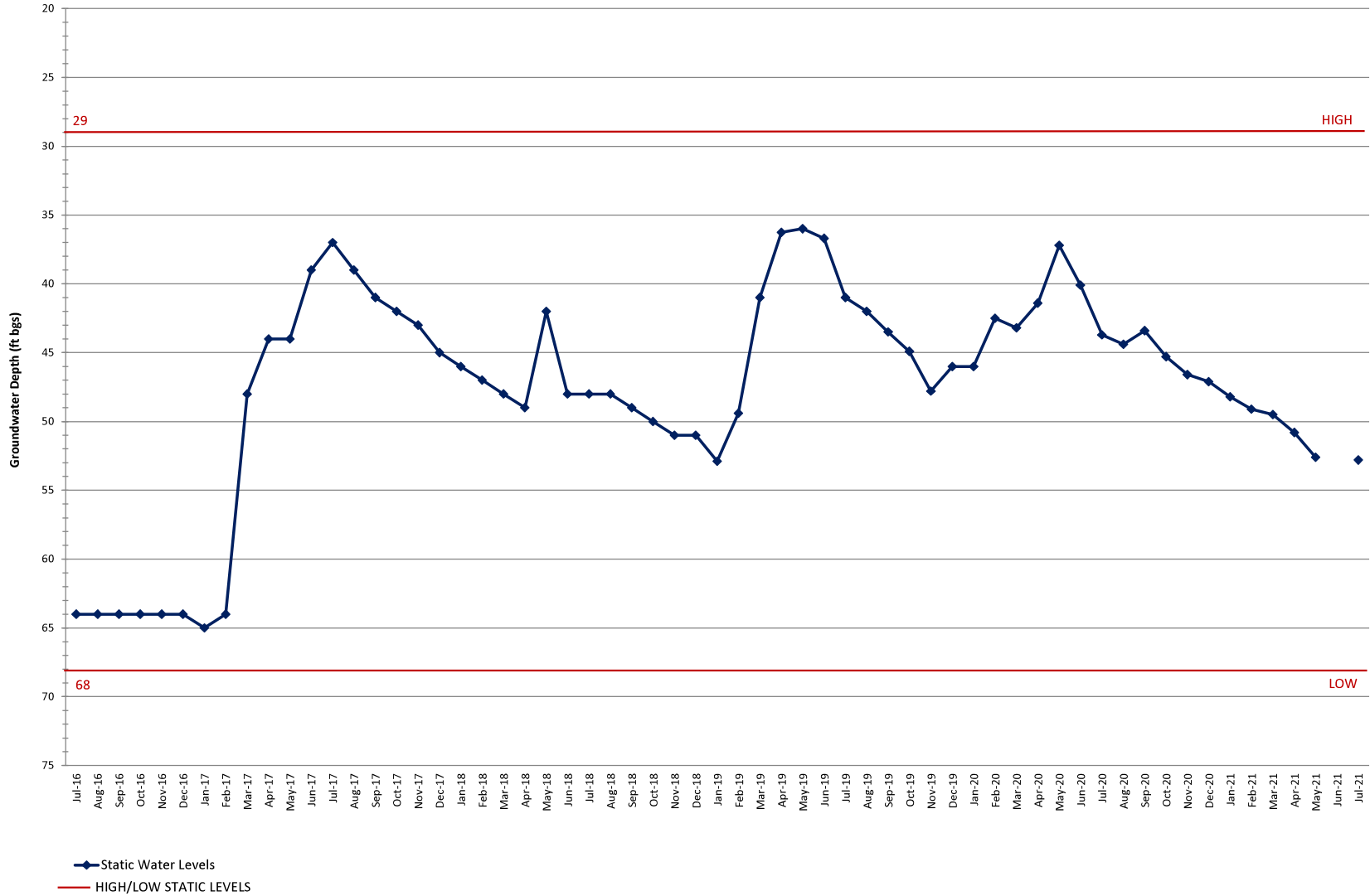
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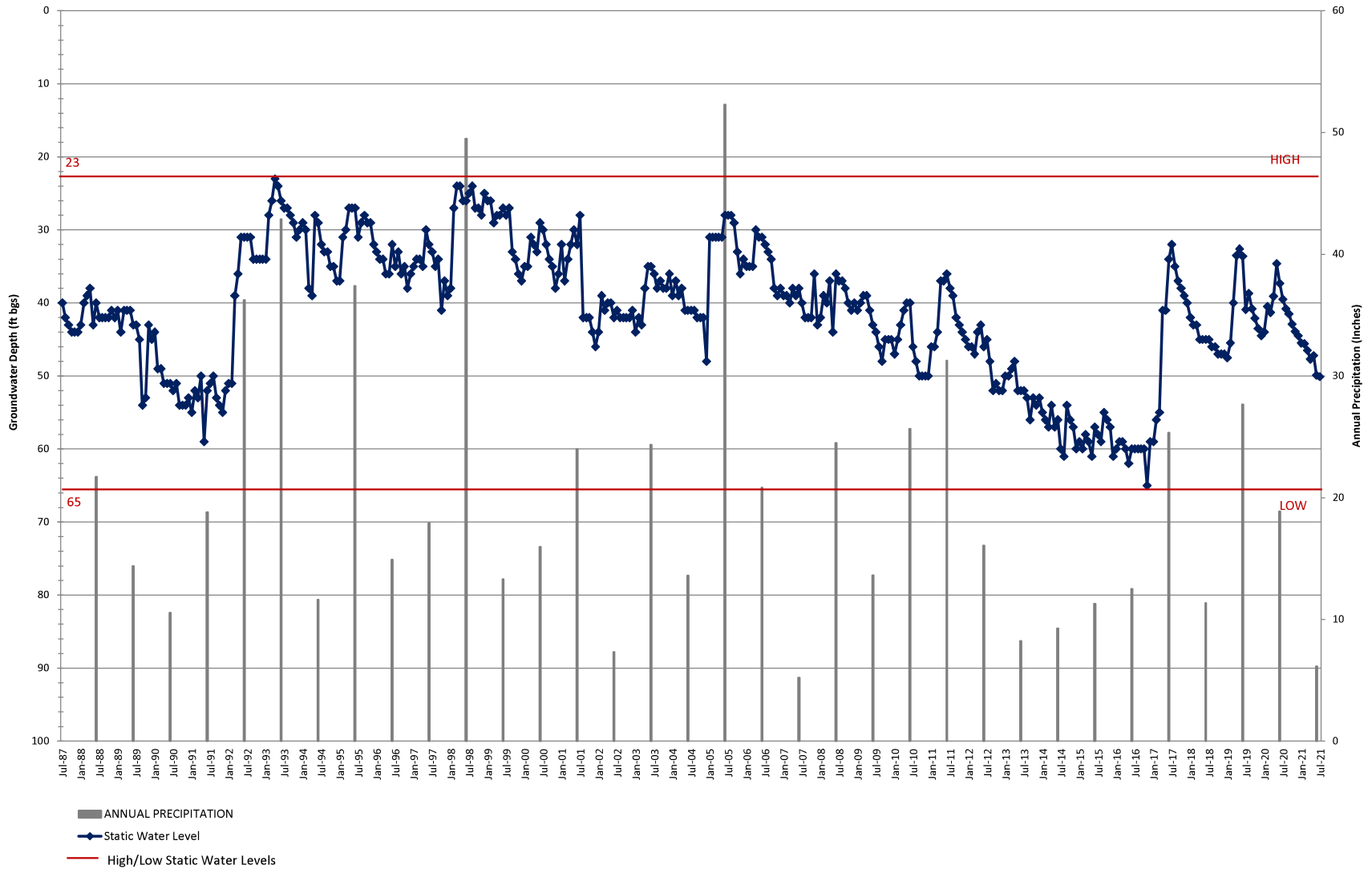
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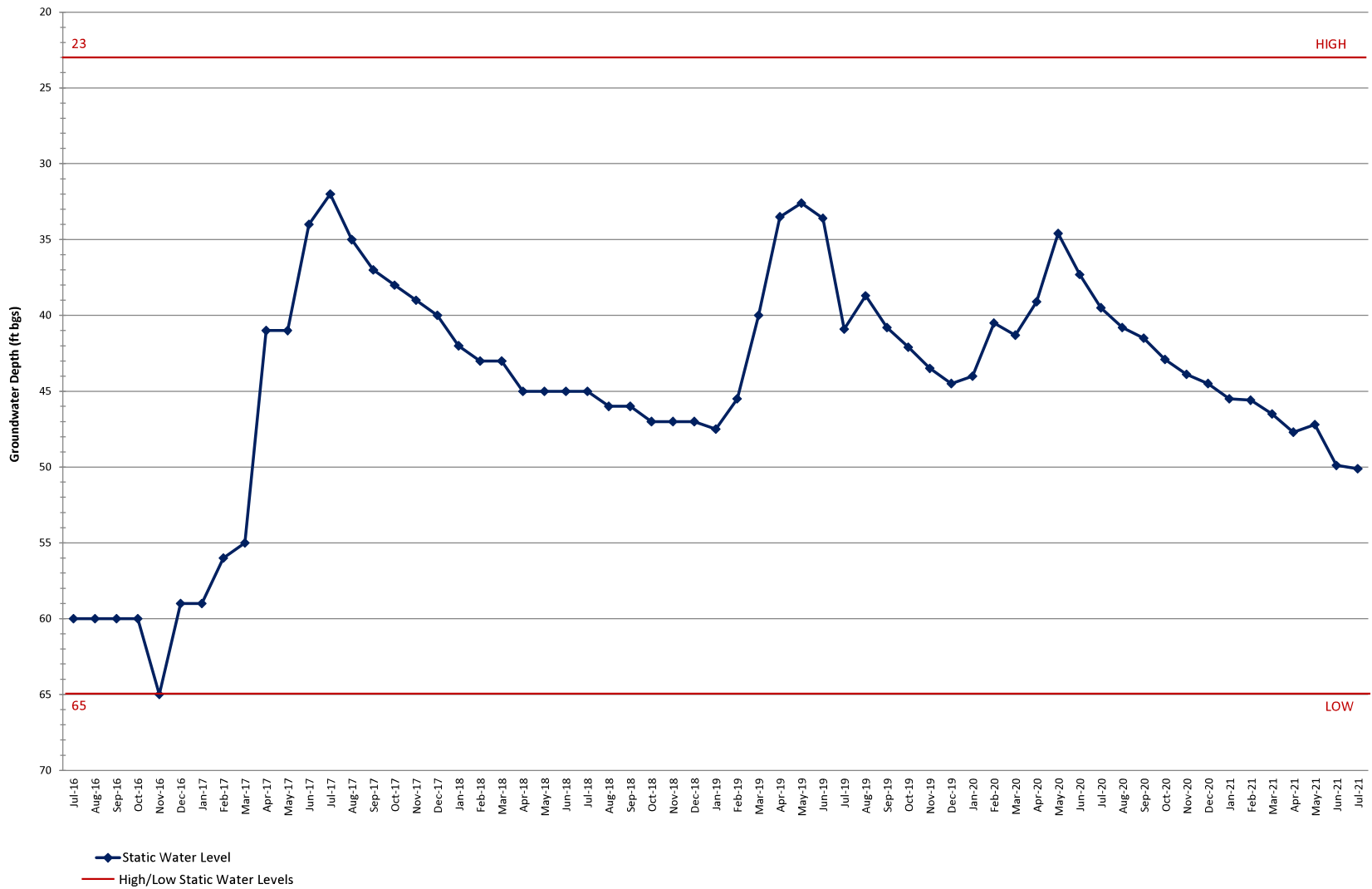
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 STATIC WATER LEVEL



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

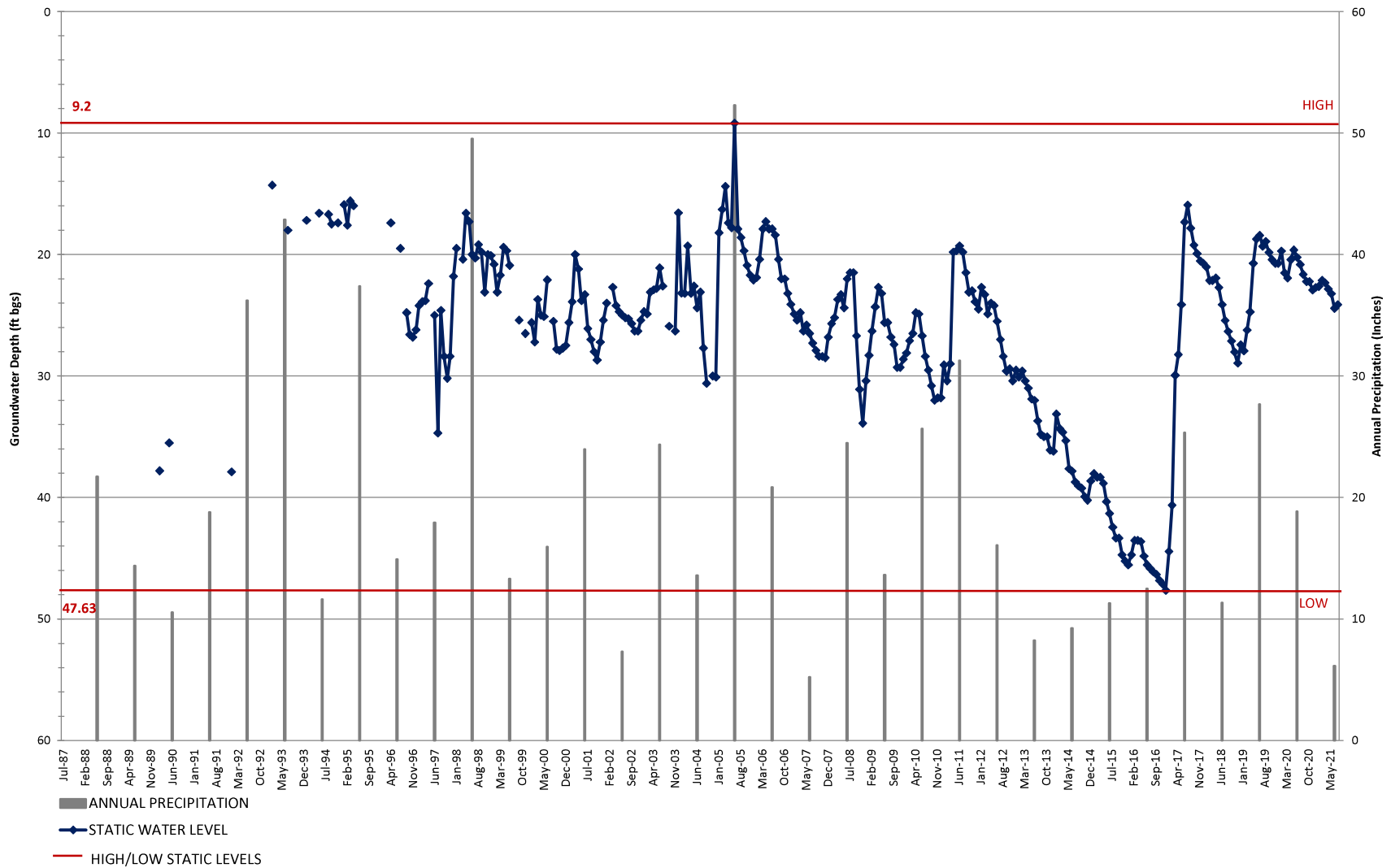


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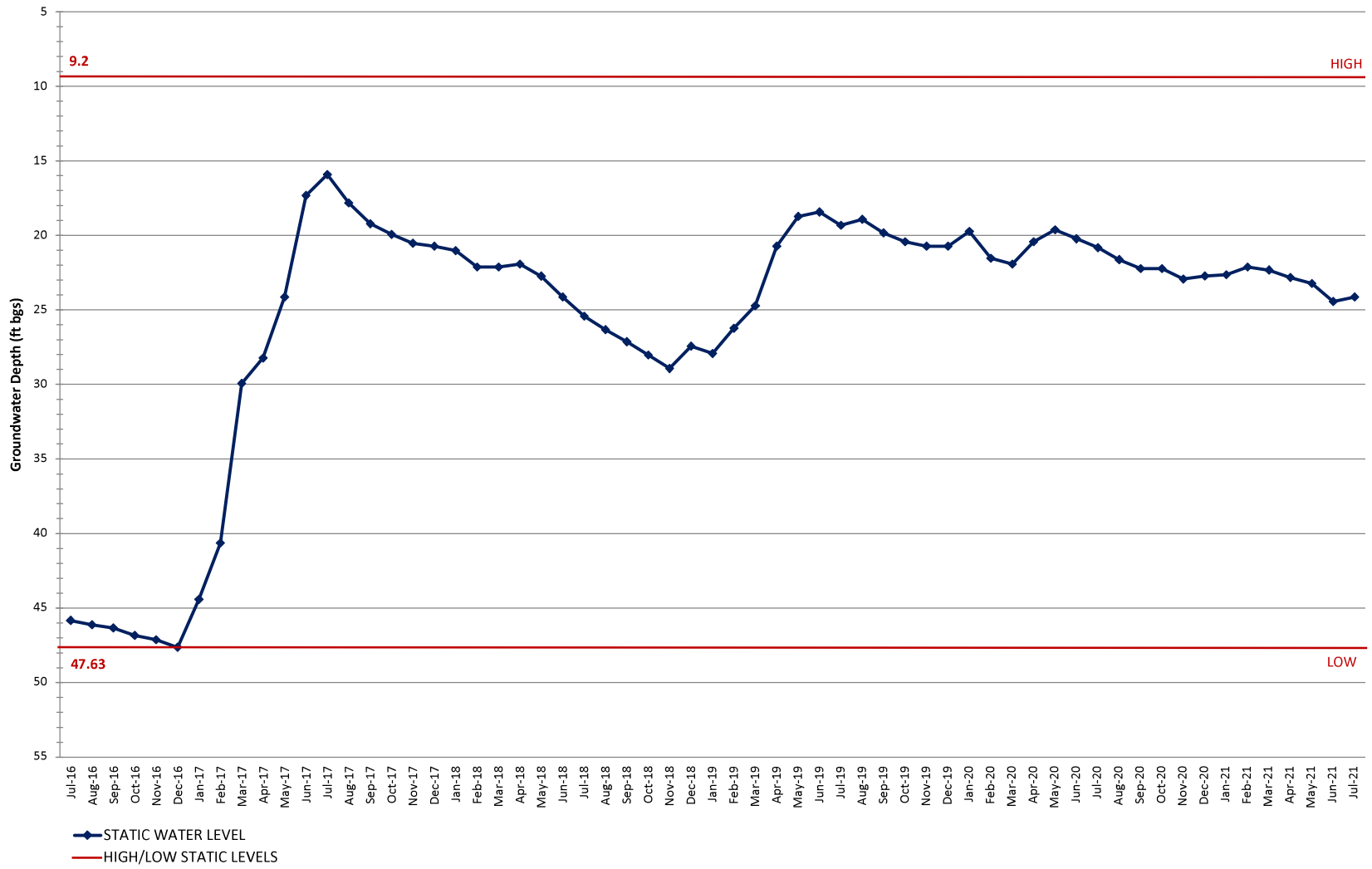




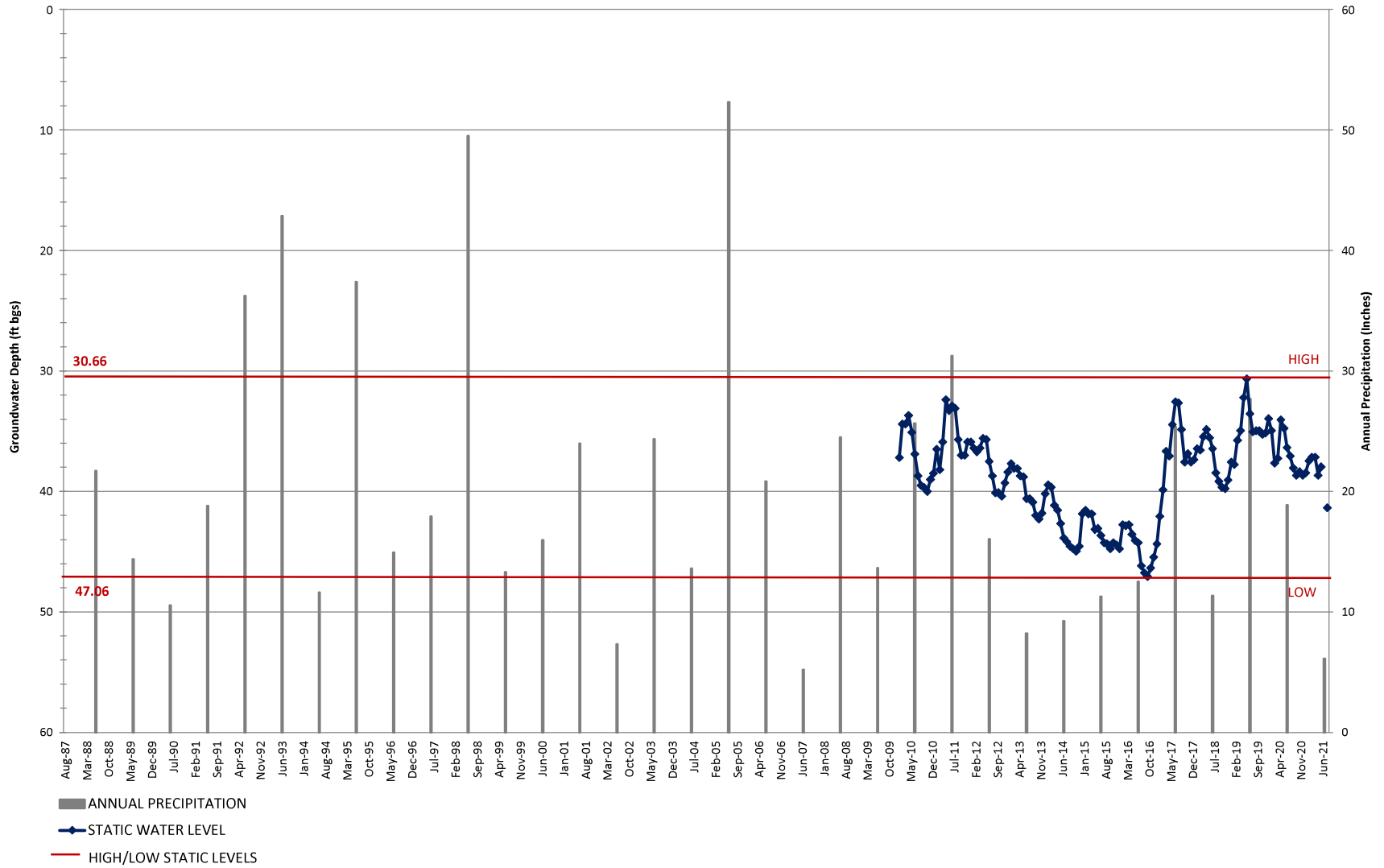
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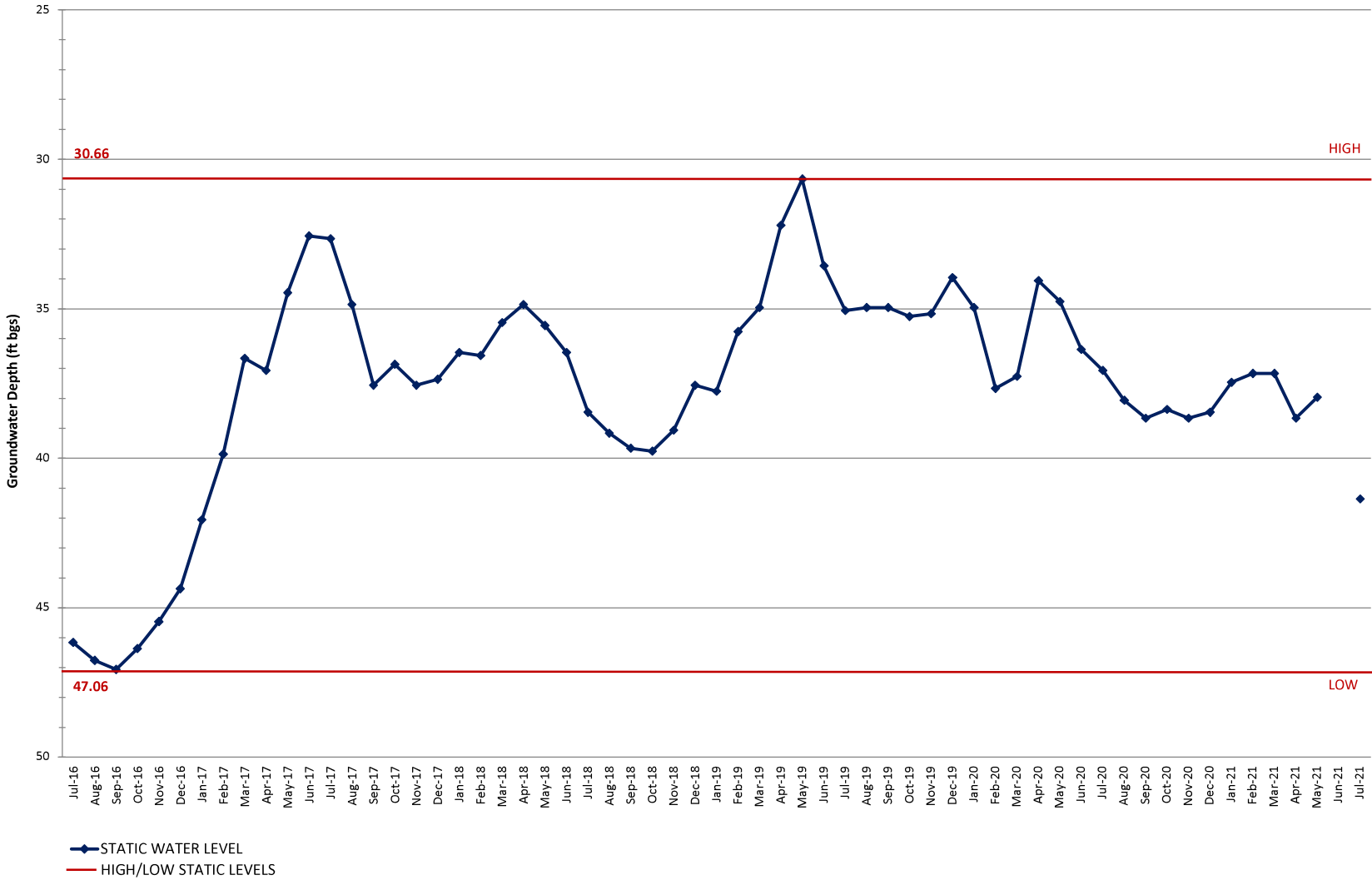
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*STATIC WATER LEVEL*



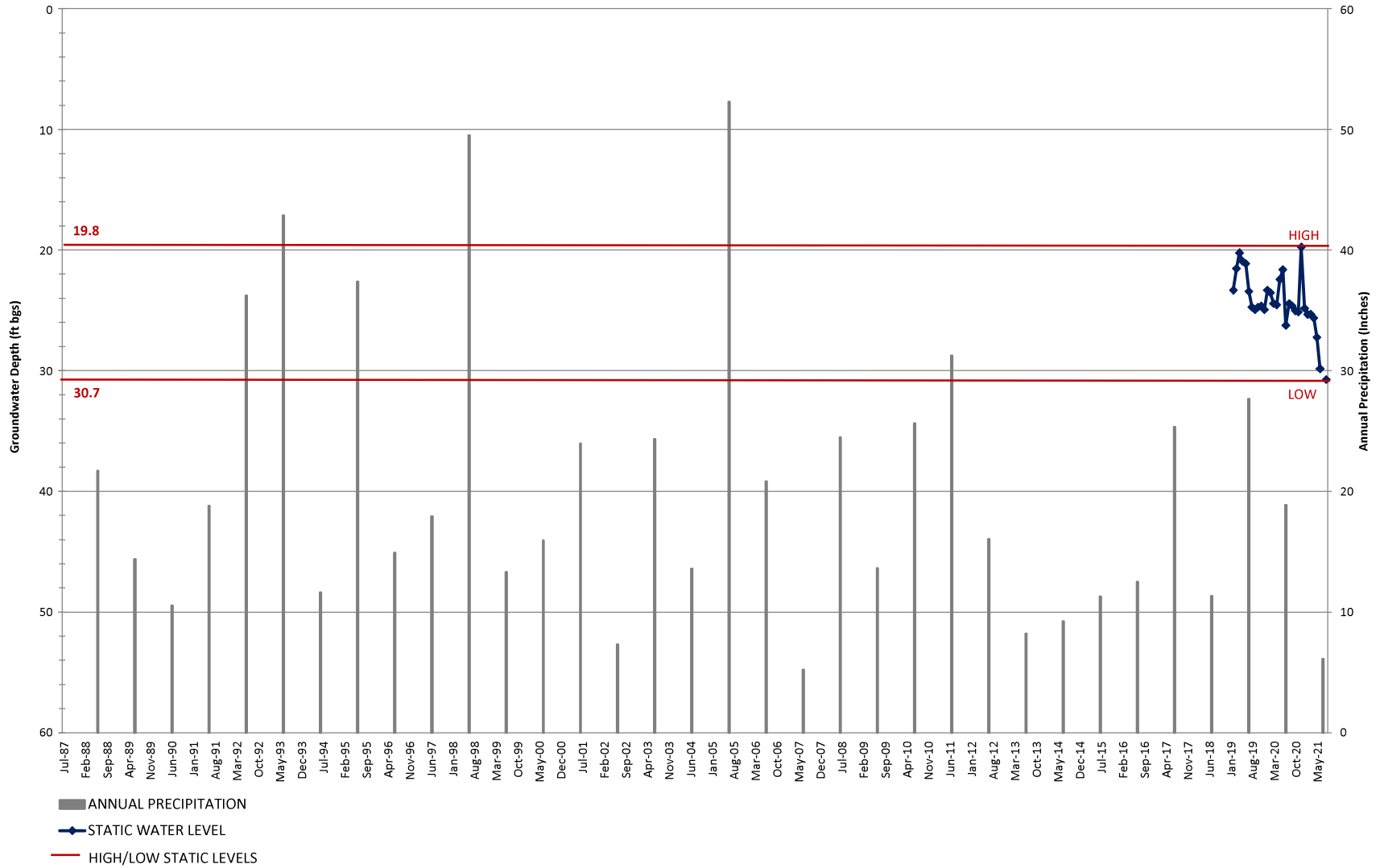
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 STATIC WATER LEVEL VS. PRECIPITATION



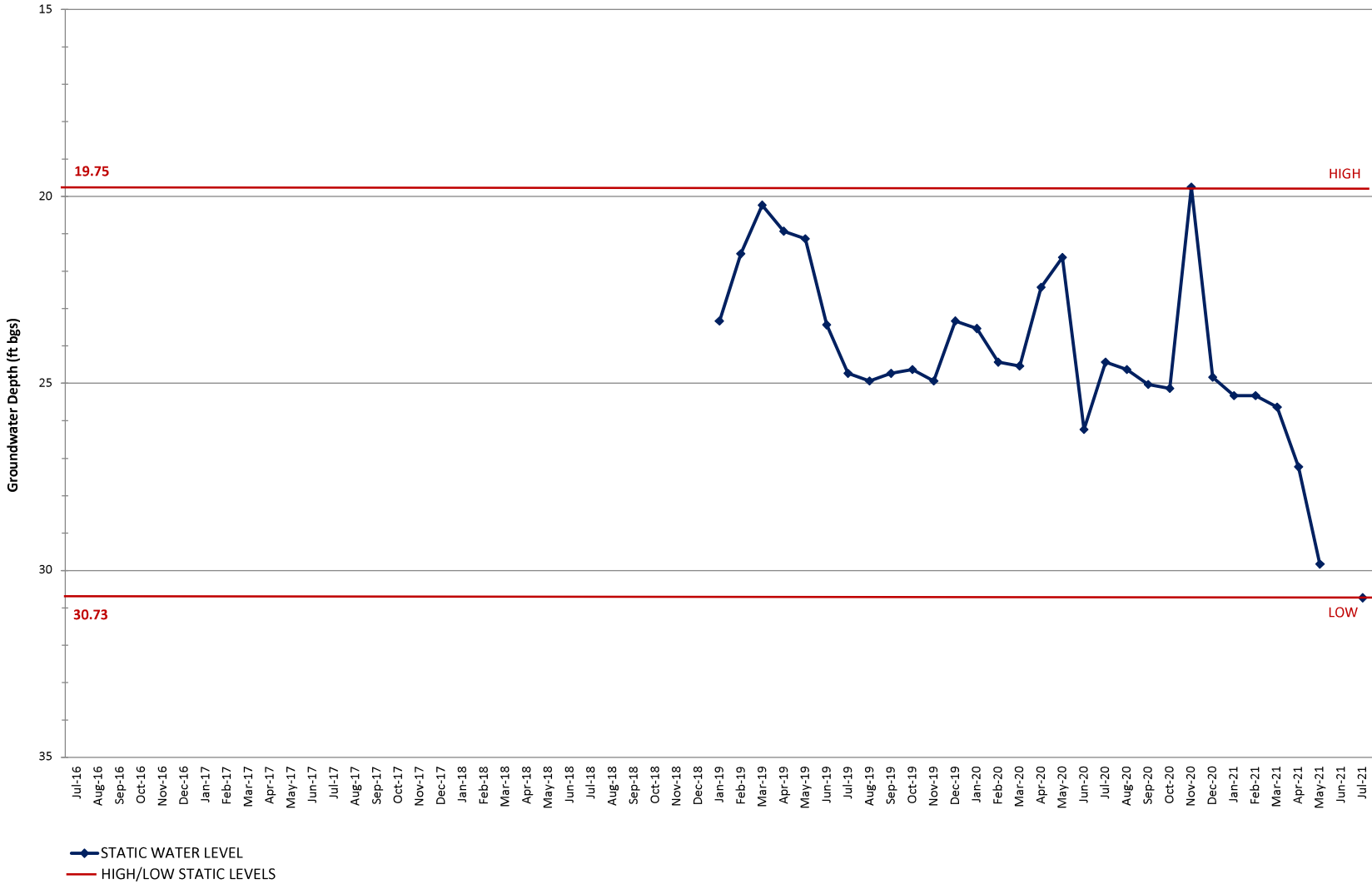
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*STATIC WATER LEVEL*



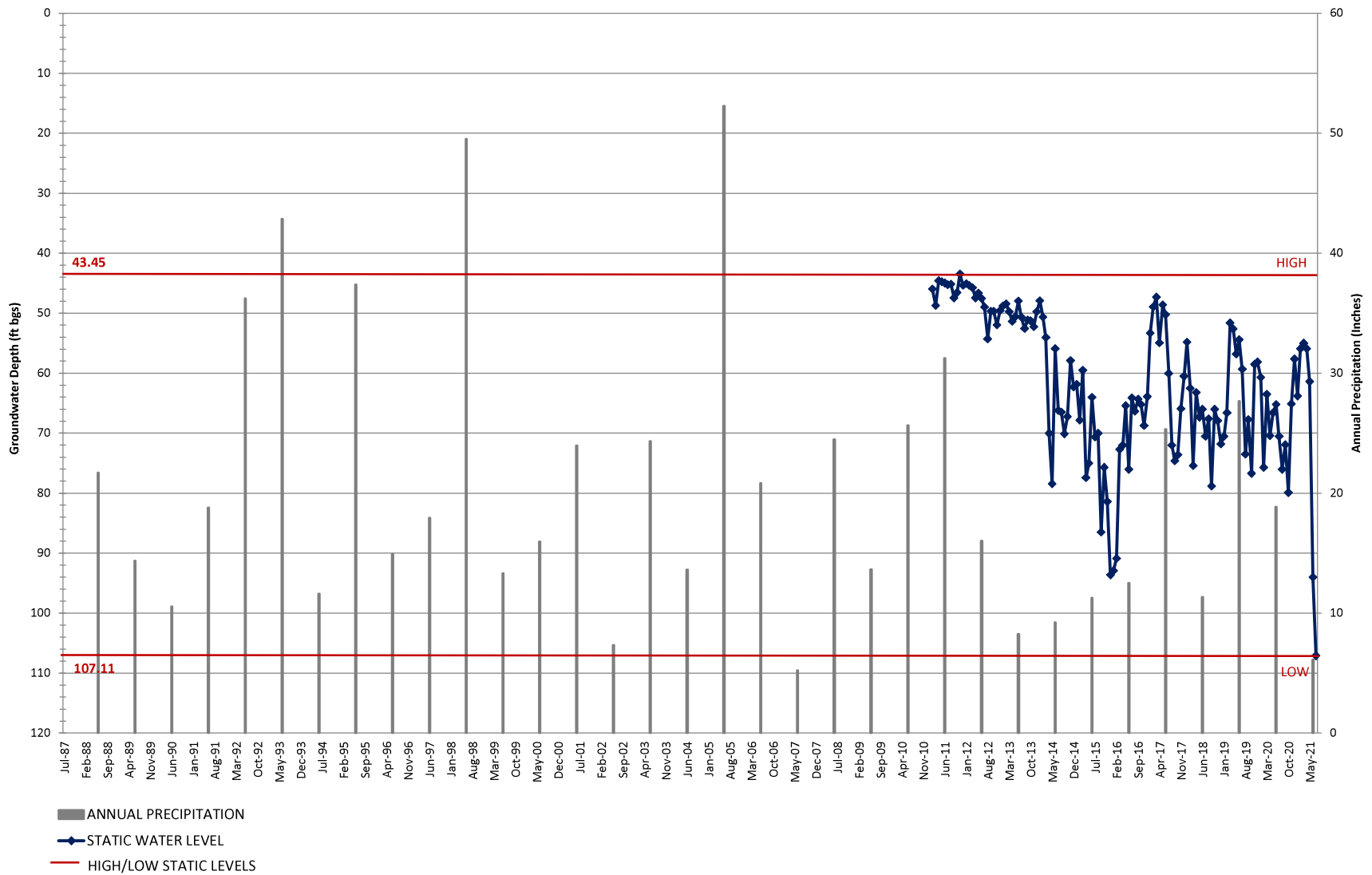
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 STATIC WATER LEVEL VS. PRECIPITATION



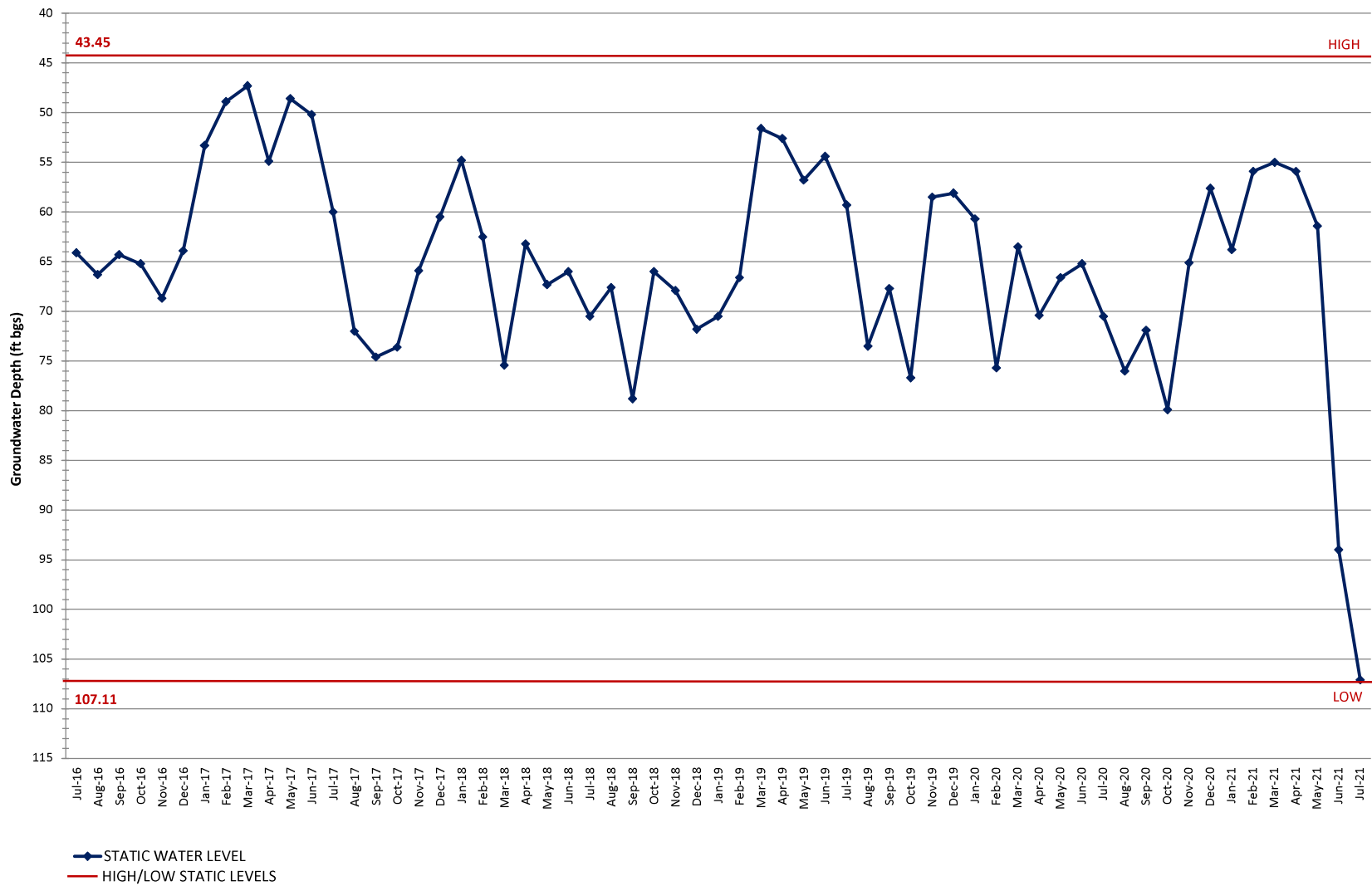
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*STATIC WATER LEVEL*



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

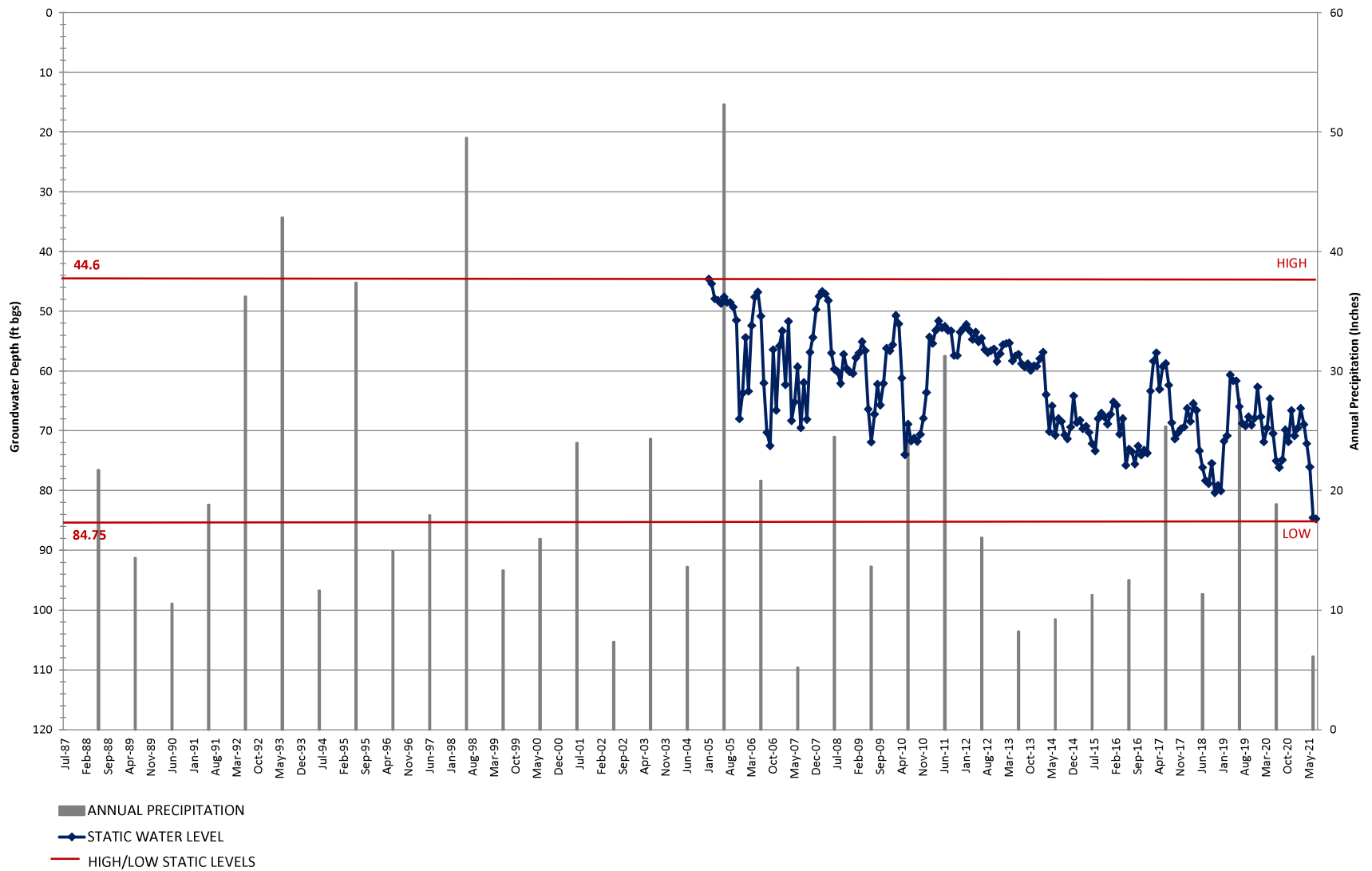


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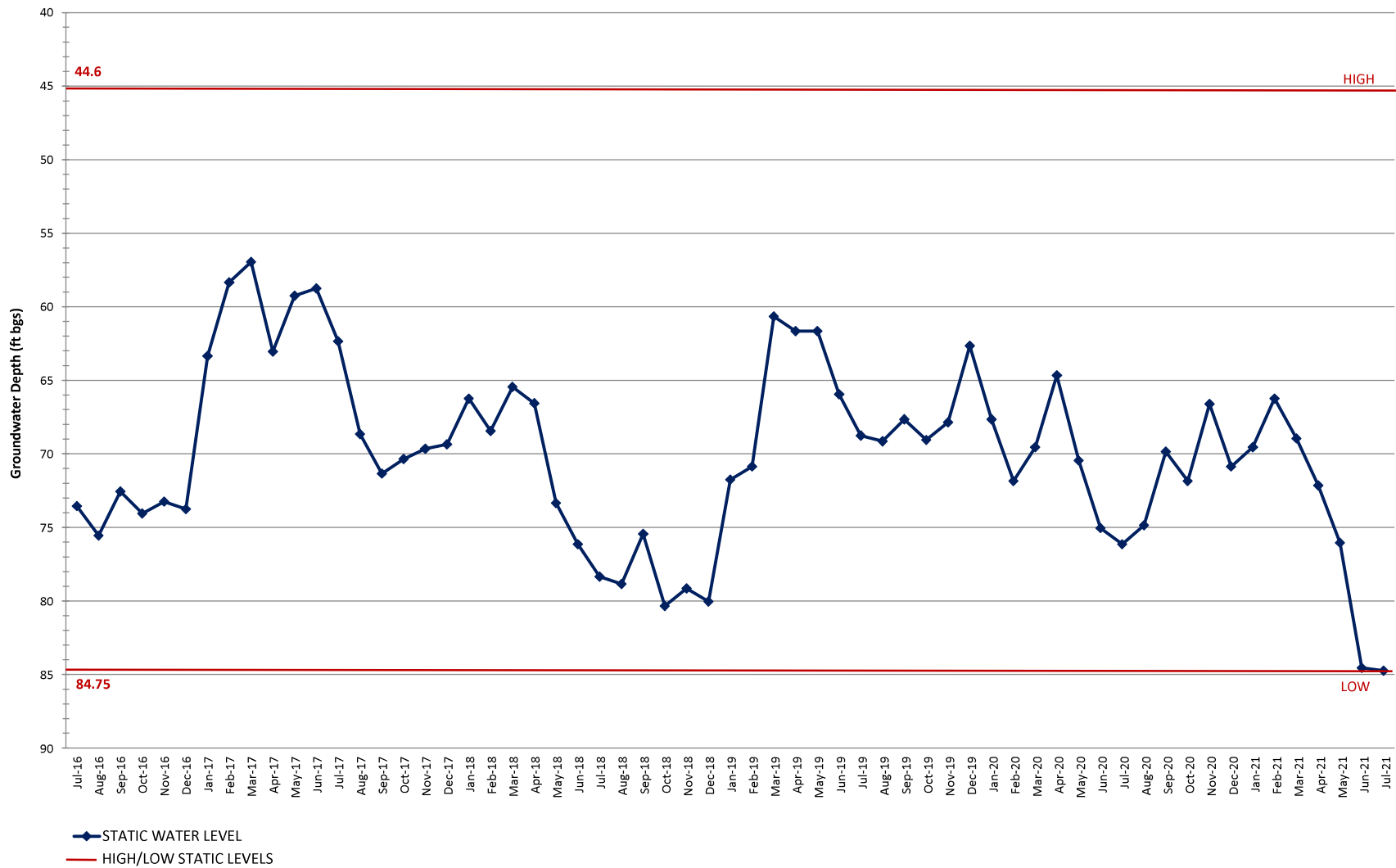




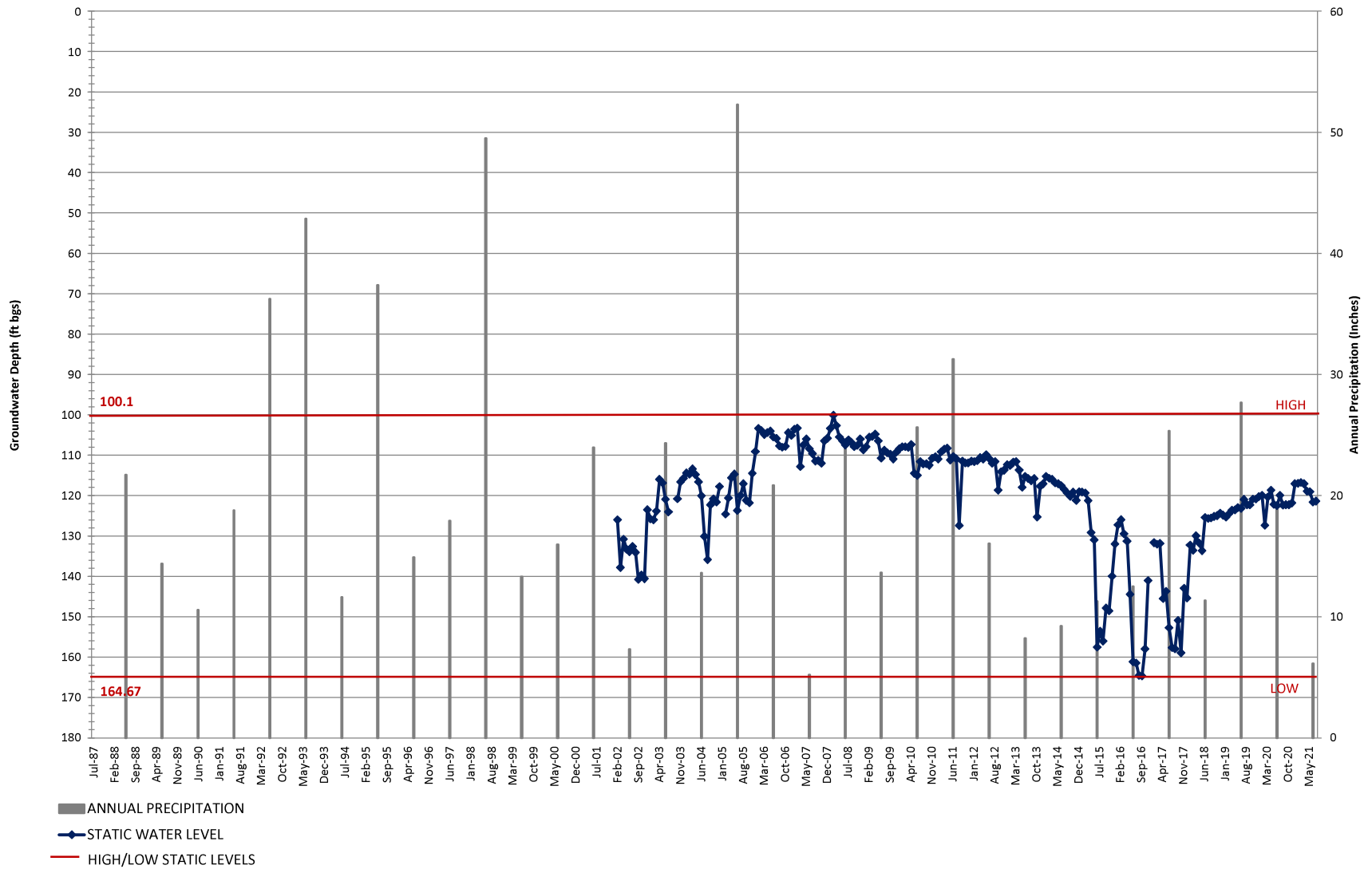
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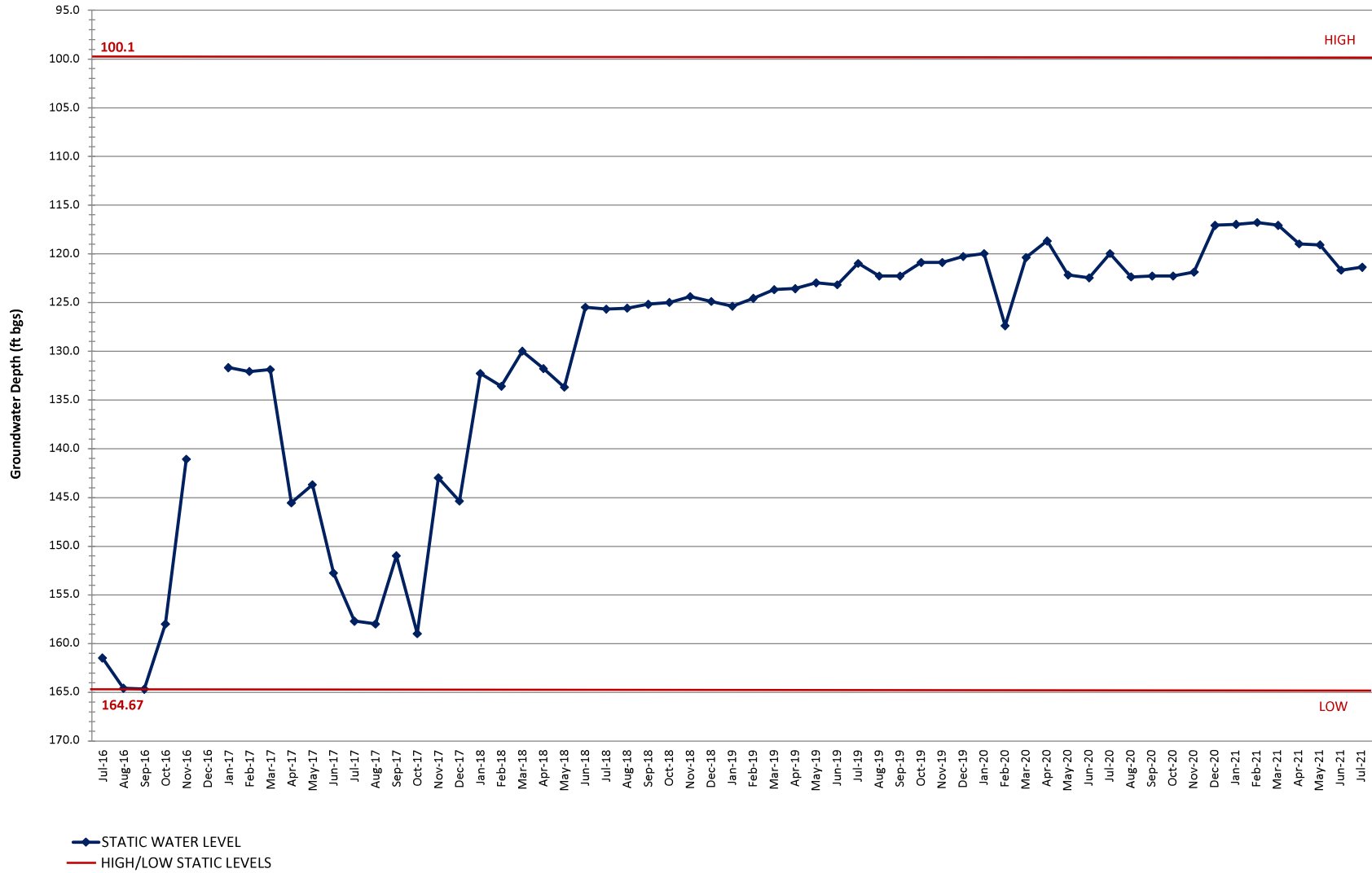
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 STATIC WATER LEVEL



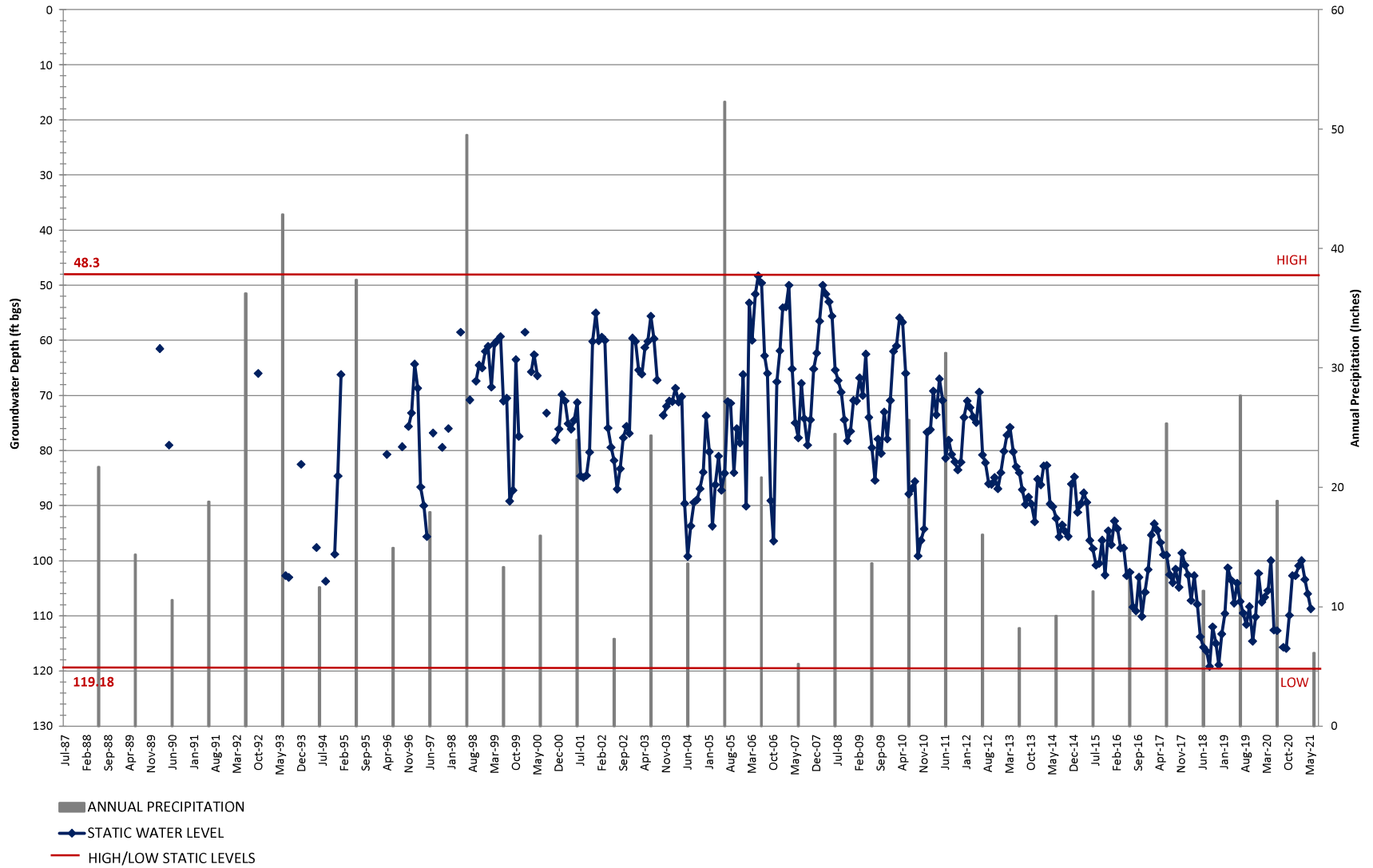
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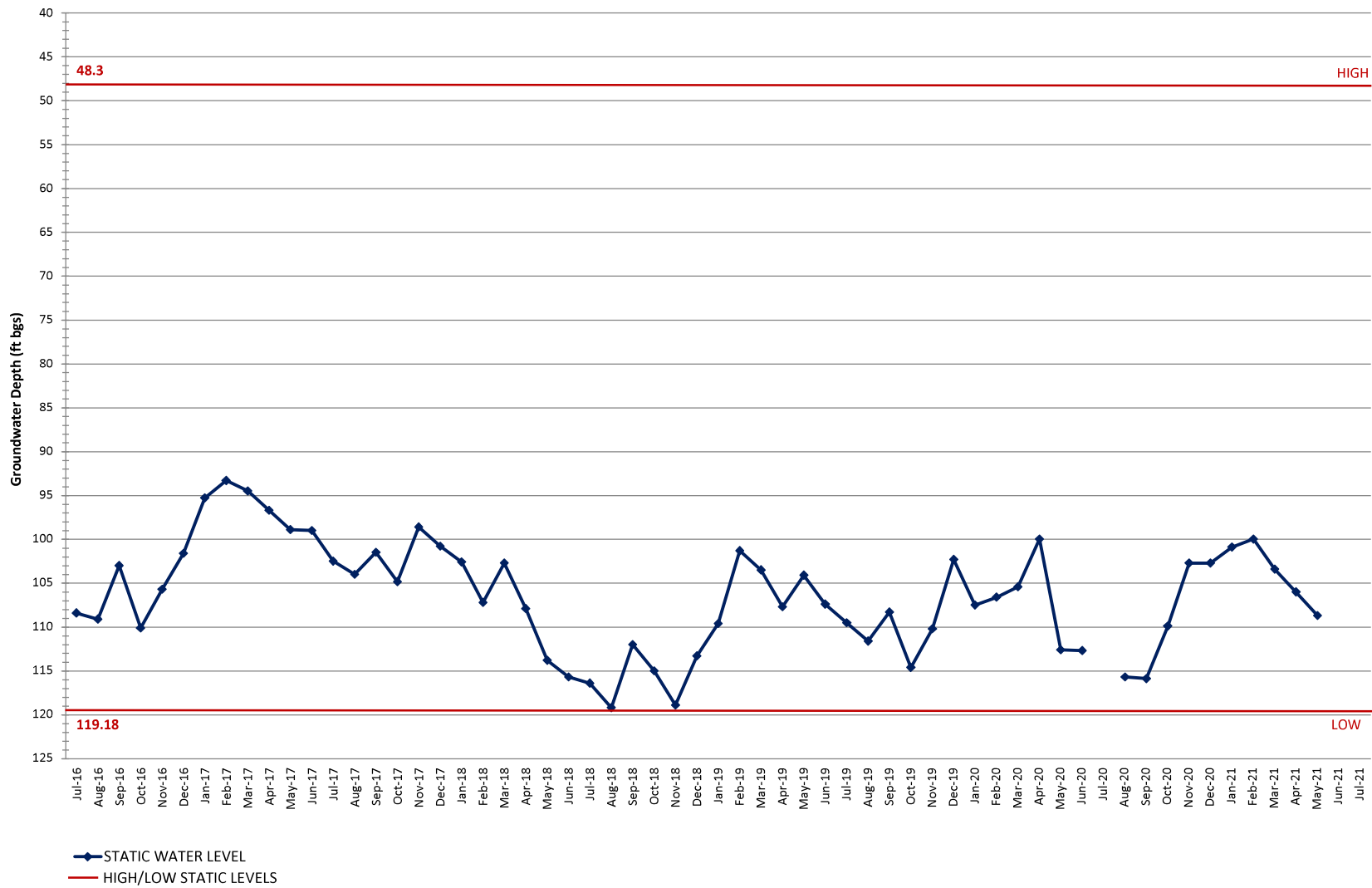
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 STATIC WATER LEVEL



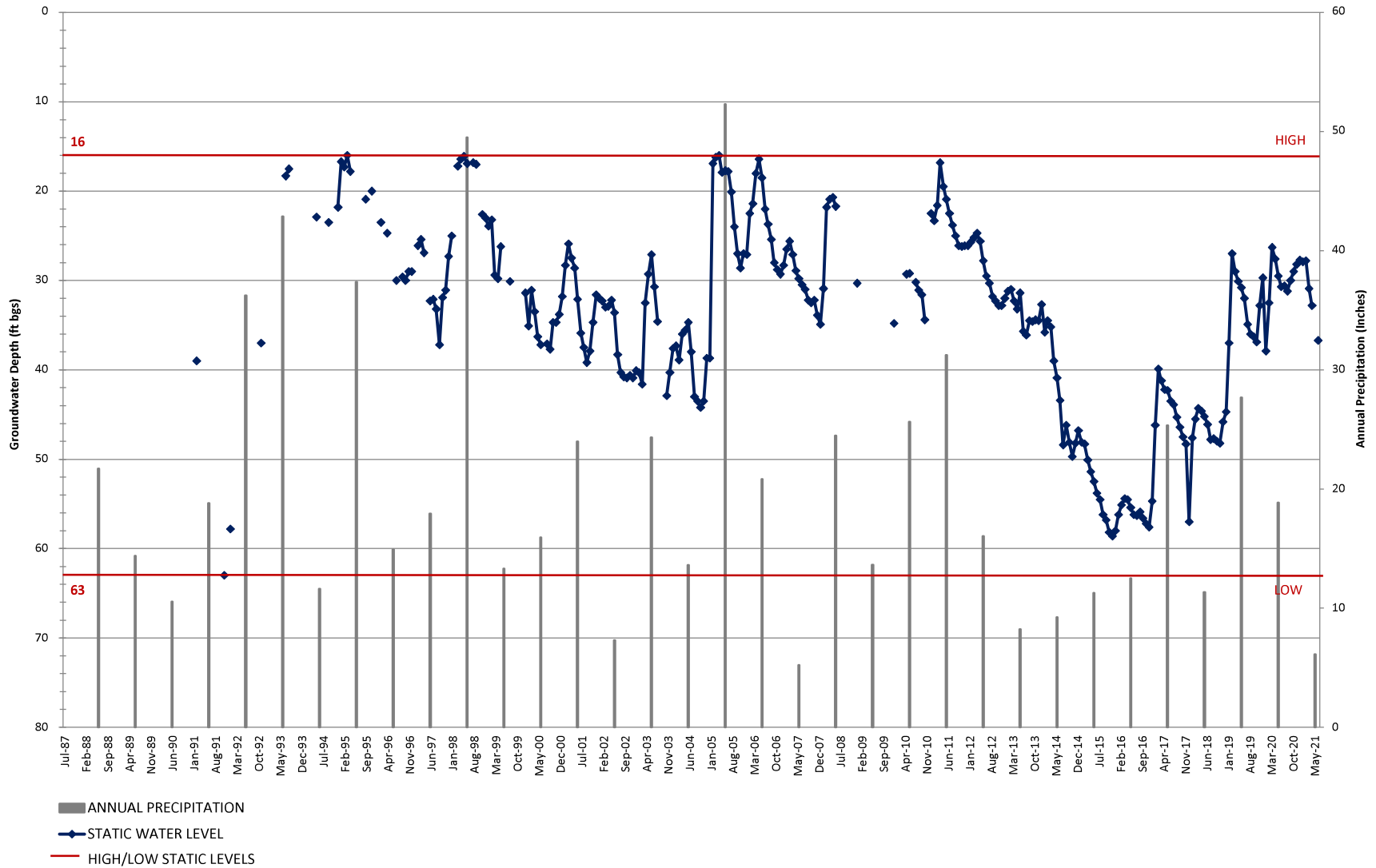
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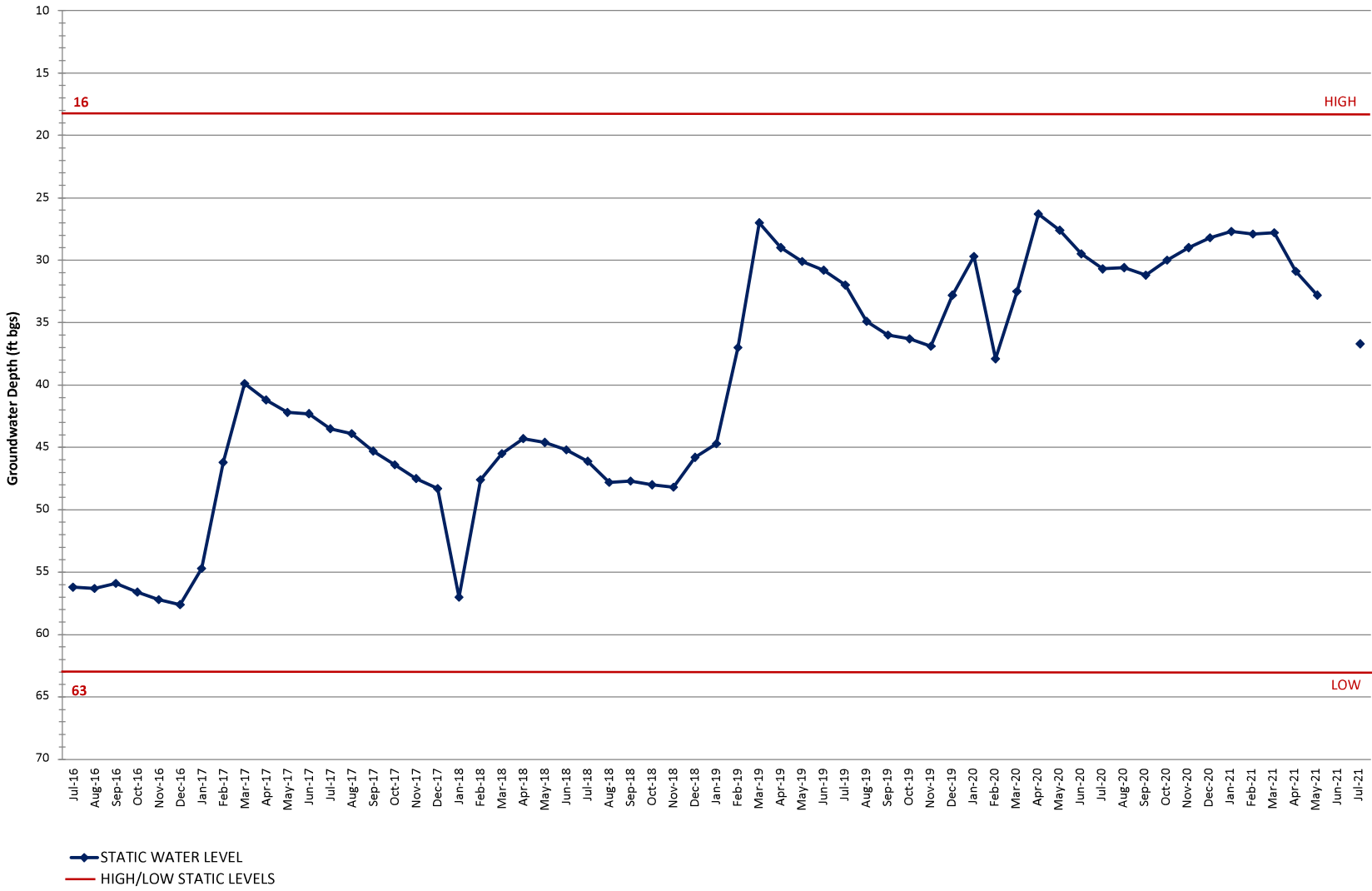
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 STATIC WATER LEVEL



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 STATIC WATER LEVEL VS PRECIPITATION

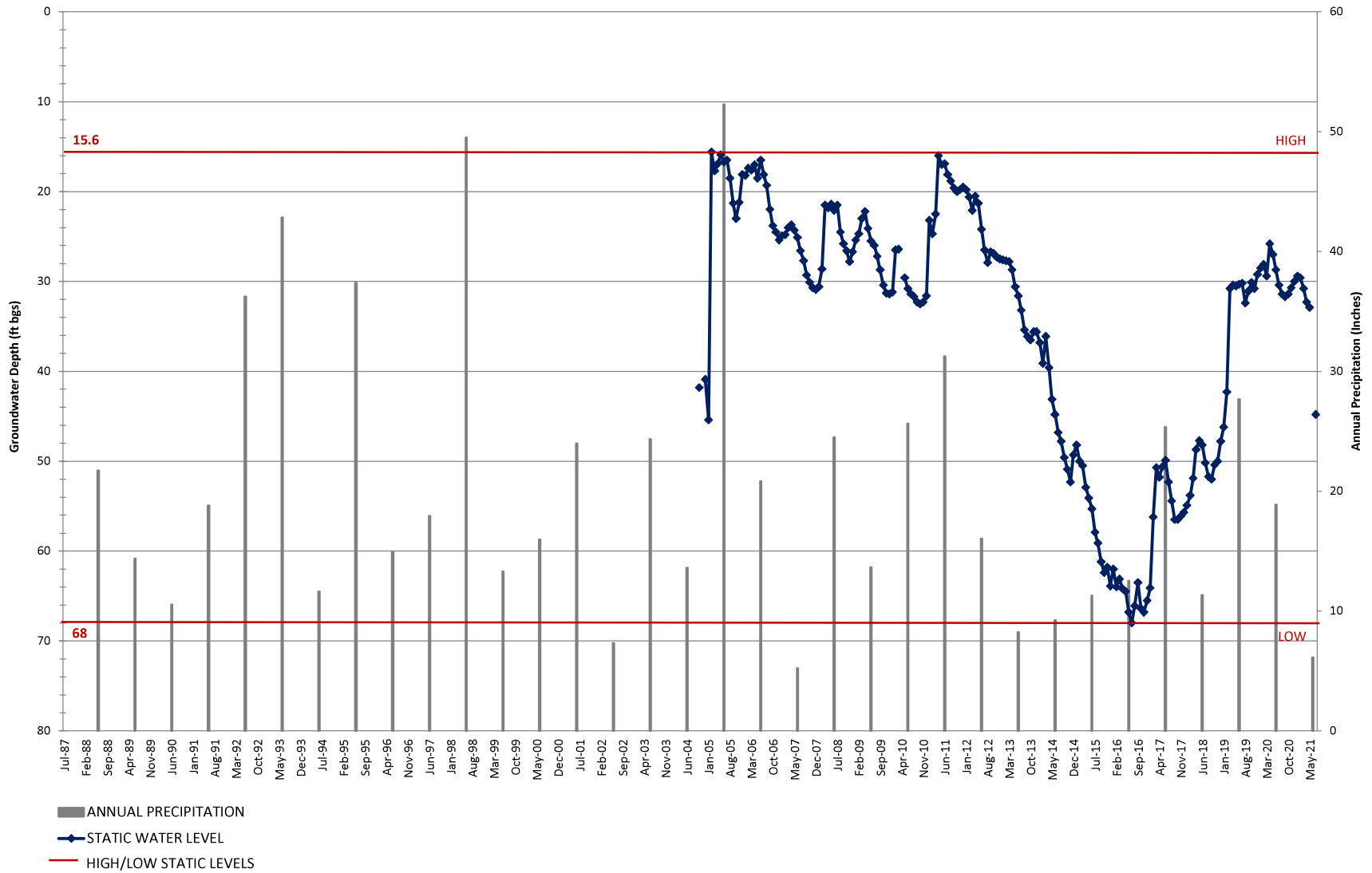


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*STATIC WATER LEVEL*

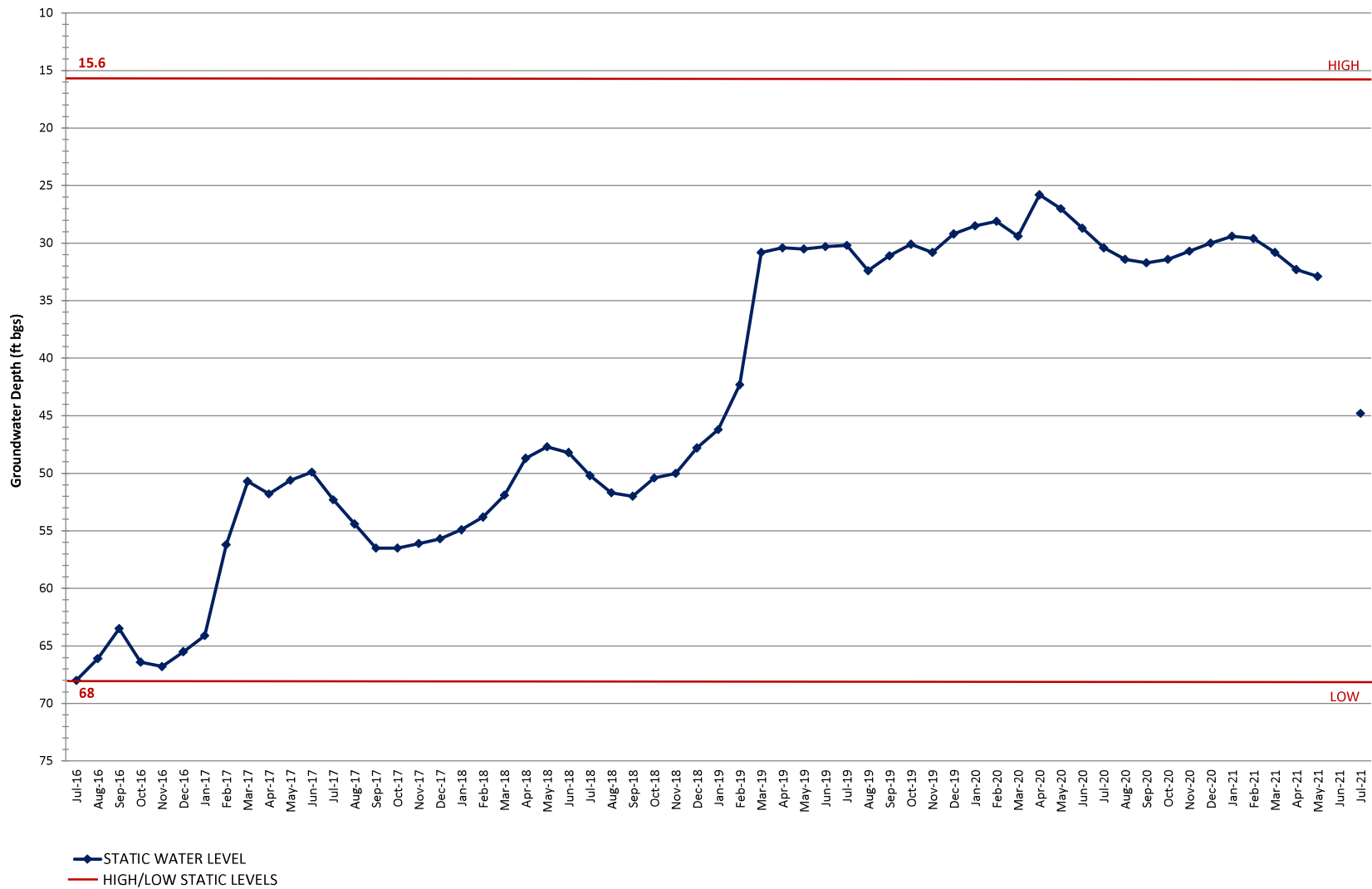




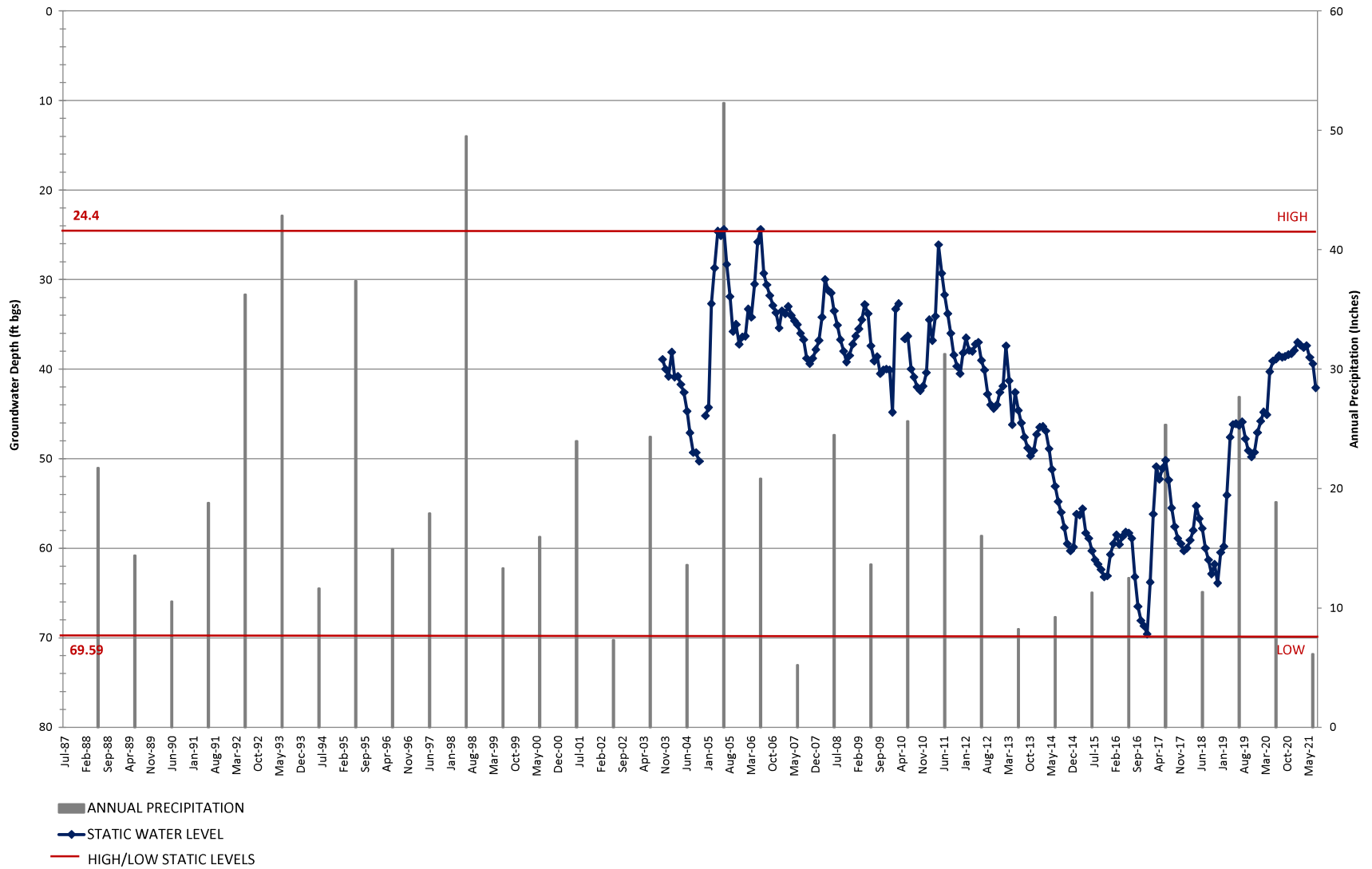
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 STATIC WATER LEVEL VS PRECIPITATION



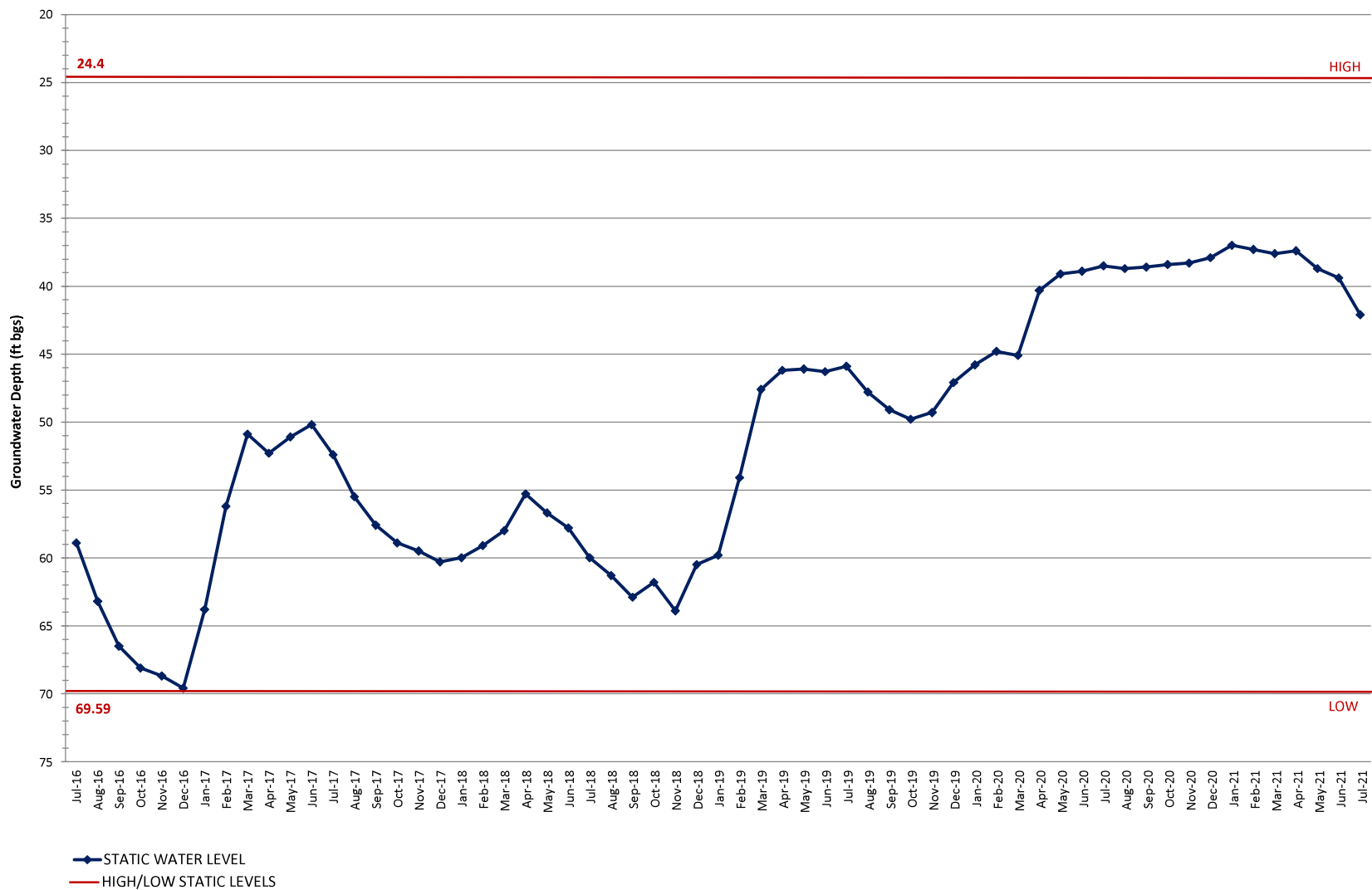
**SCV WATER WELL W11**  
 STATIC WATER LEVEL



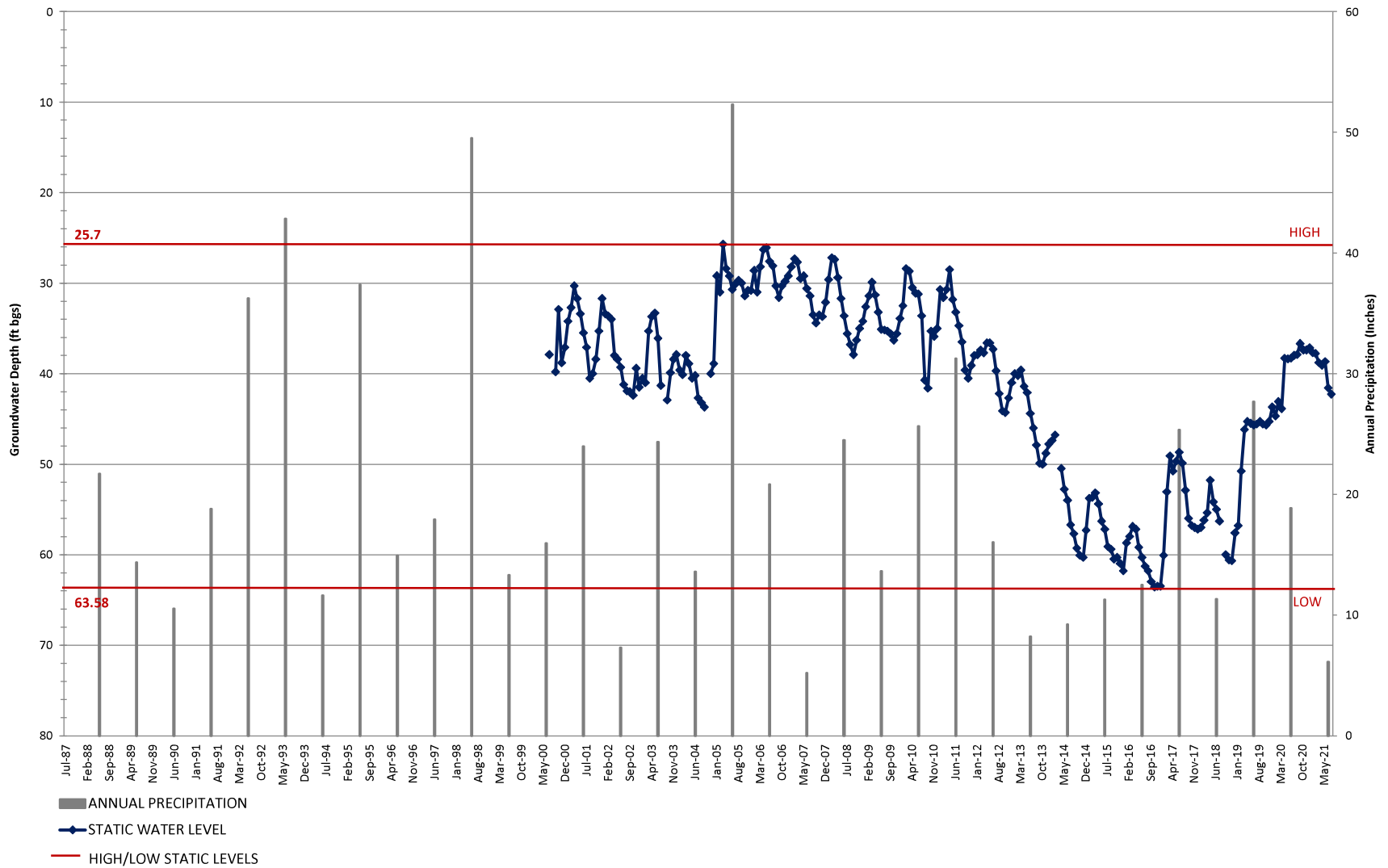
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 STATIC WATER LEVEL VS PRECIPITATION



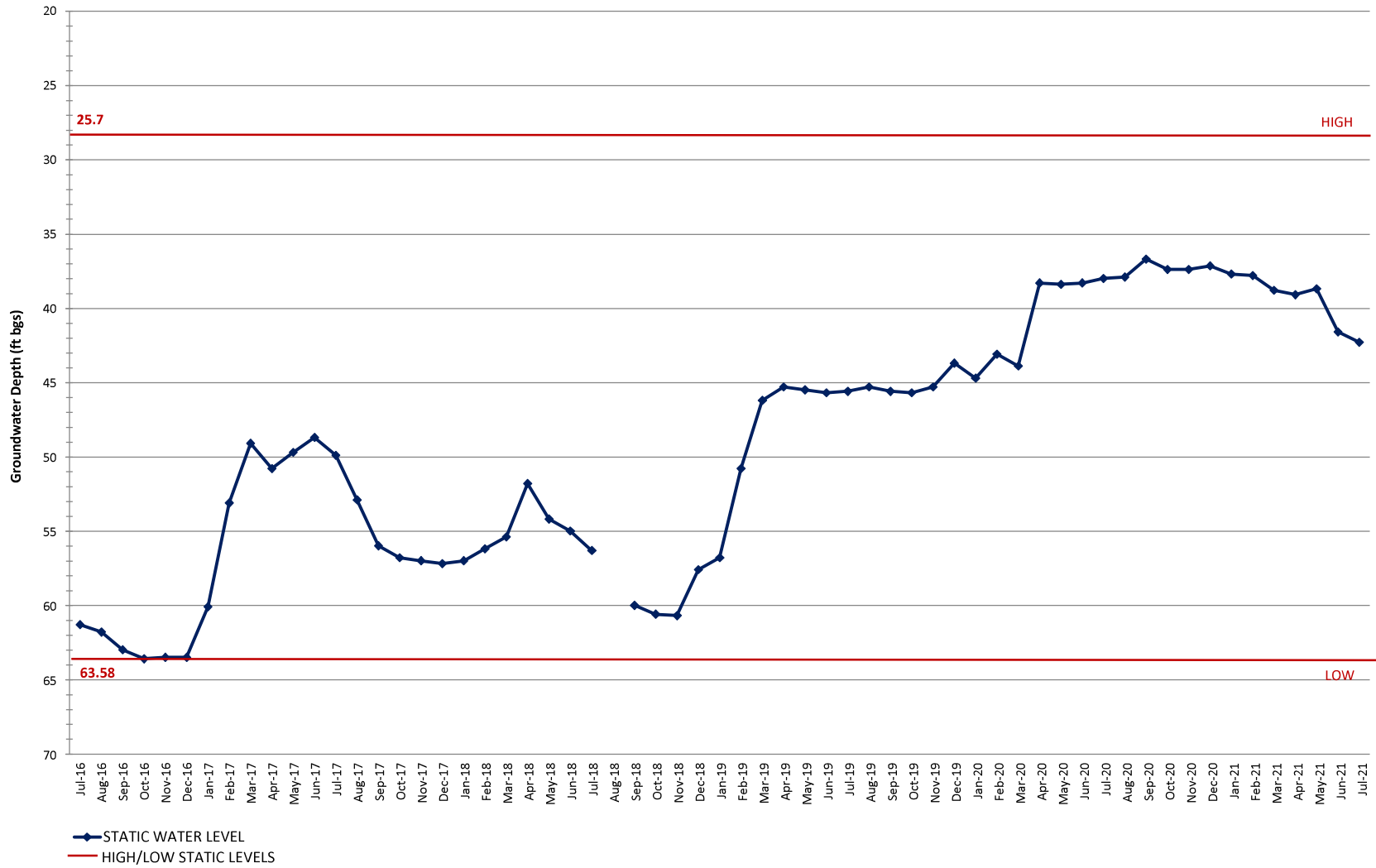
**SCV WATER WELL W10**  
 STATIC WATER LEVEL



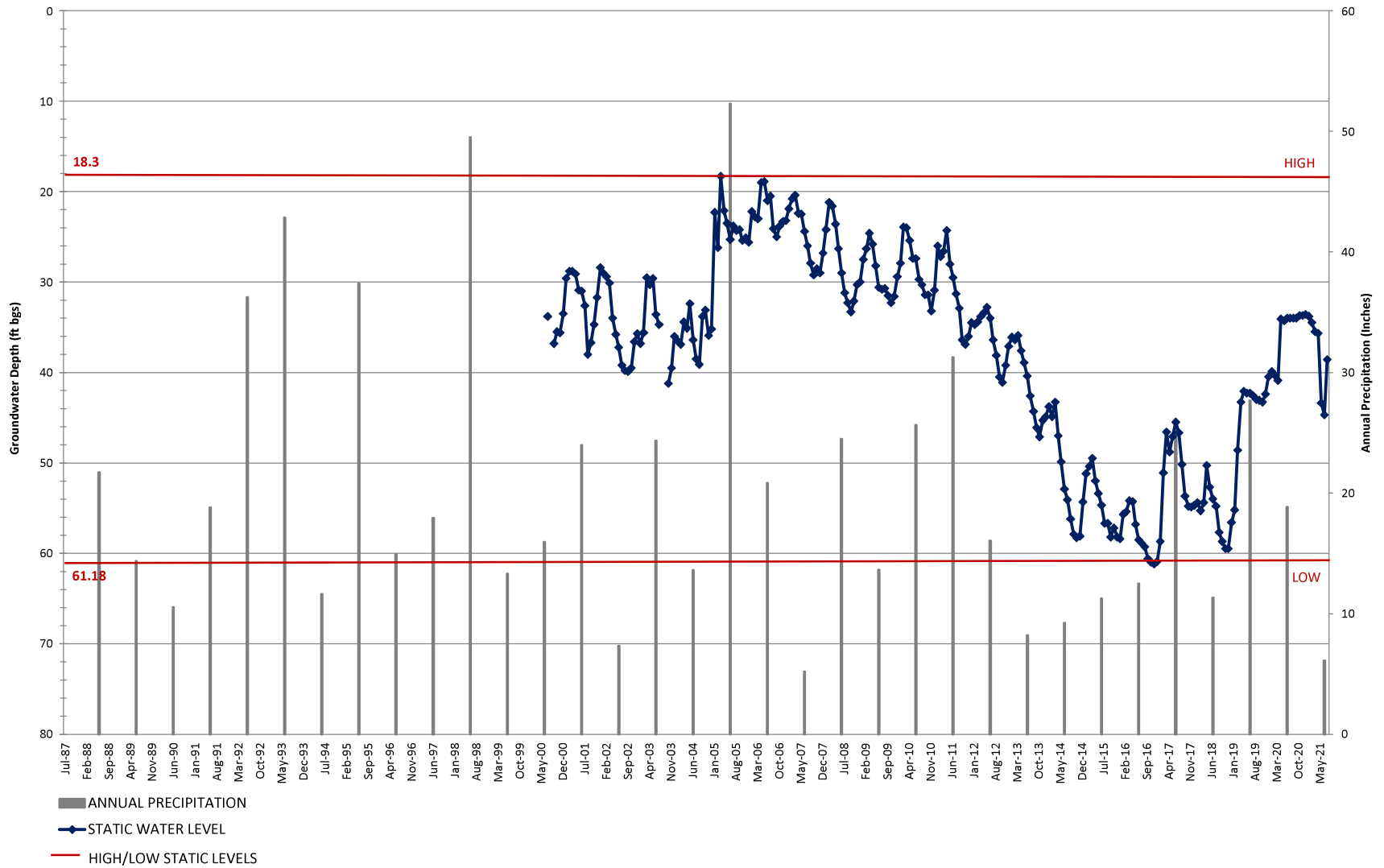
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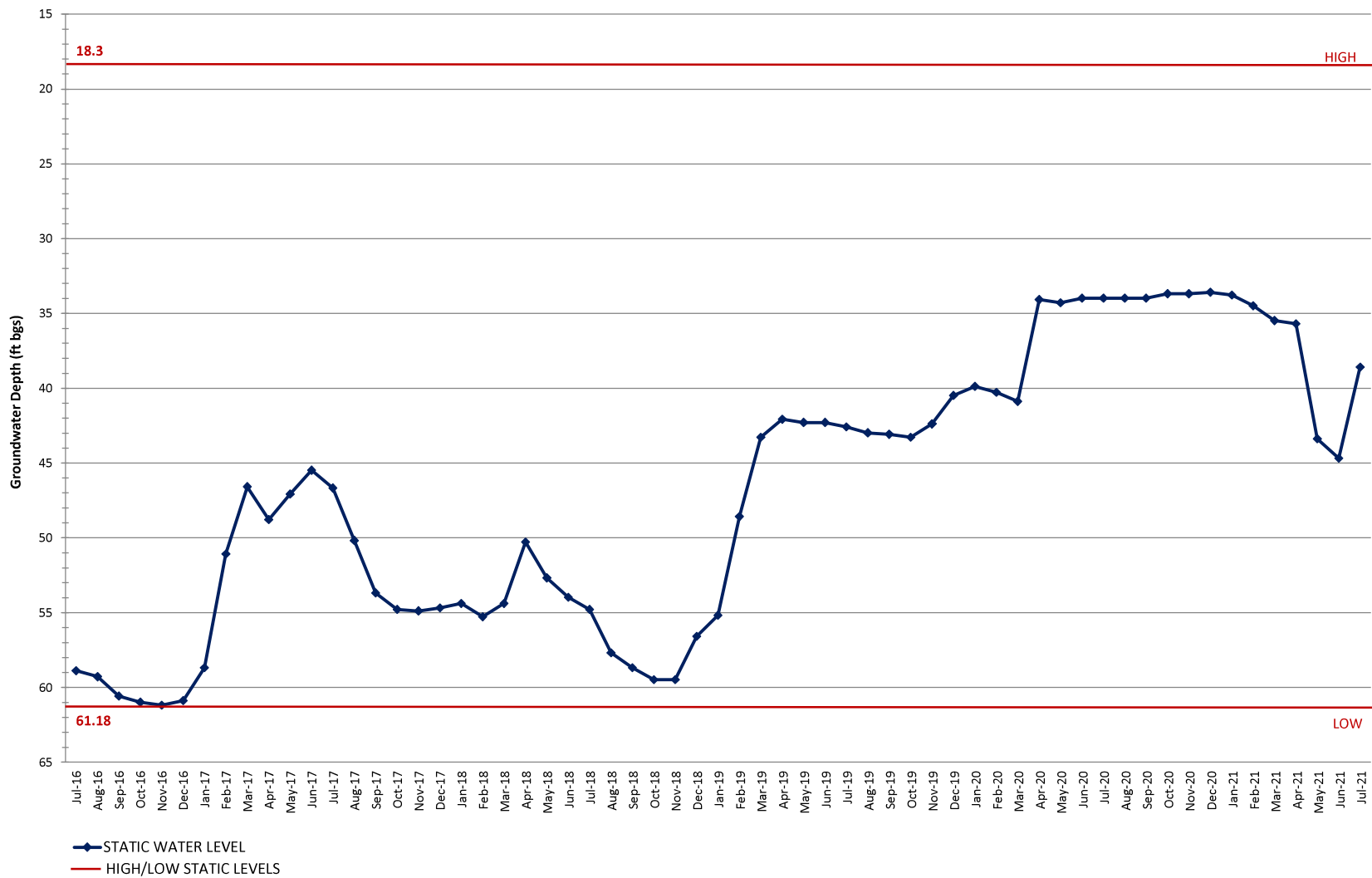
**SCV WATER WELL S6**  
*STATIC WATER LEVEL*



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

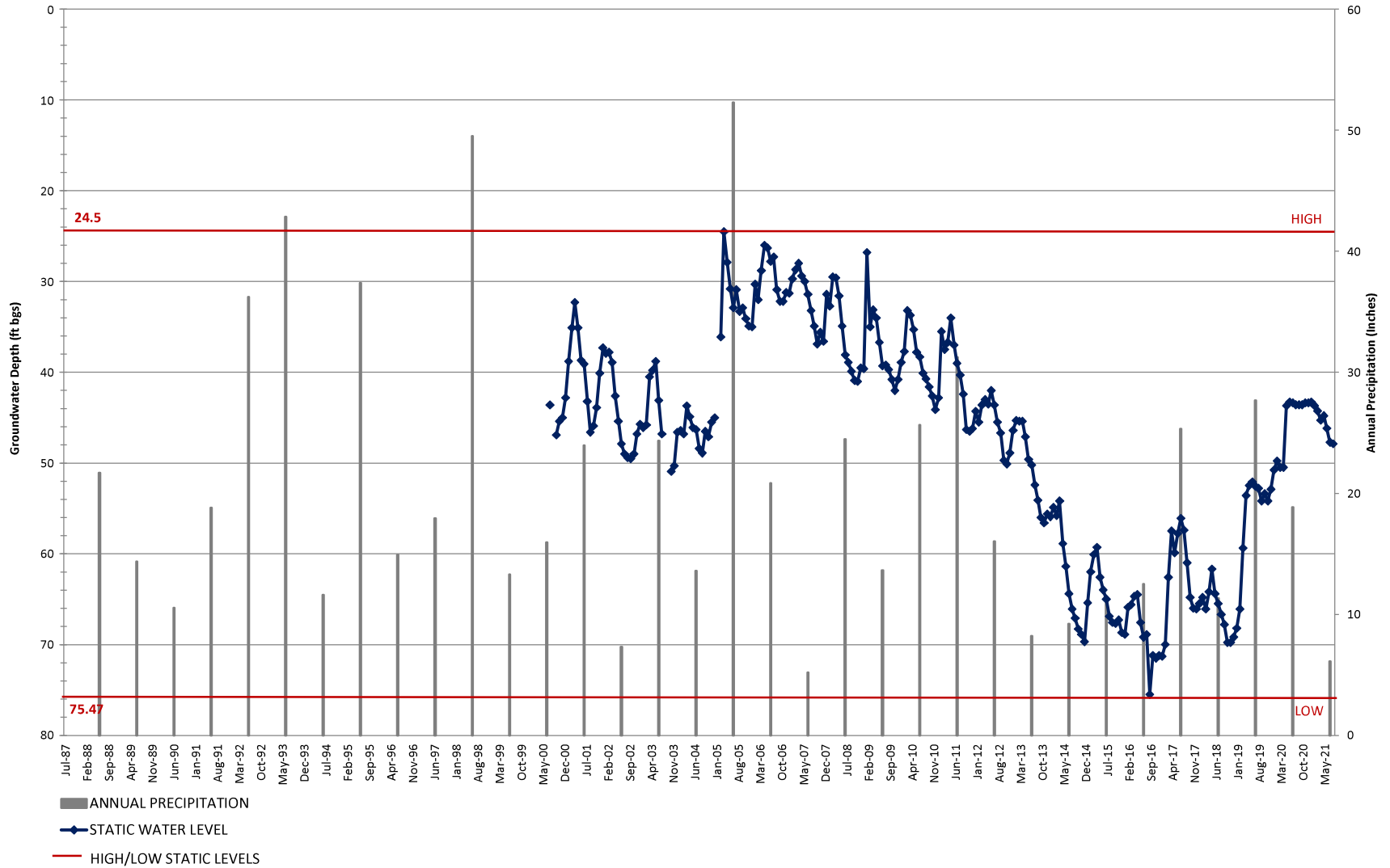


**SCV WATER WELL S7**  
 STATIC WATER LEVEL

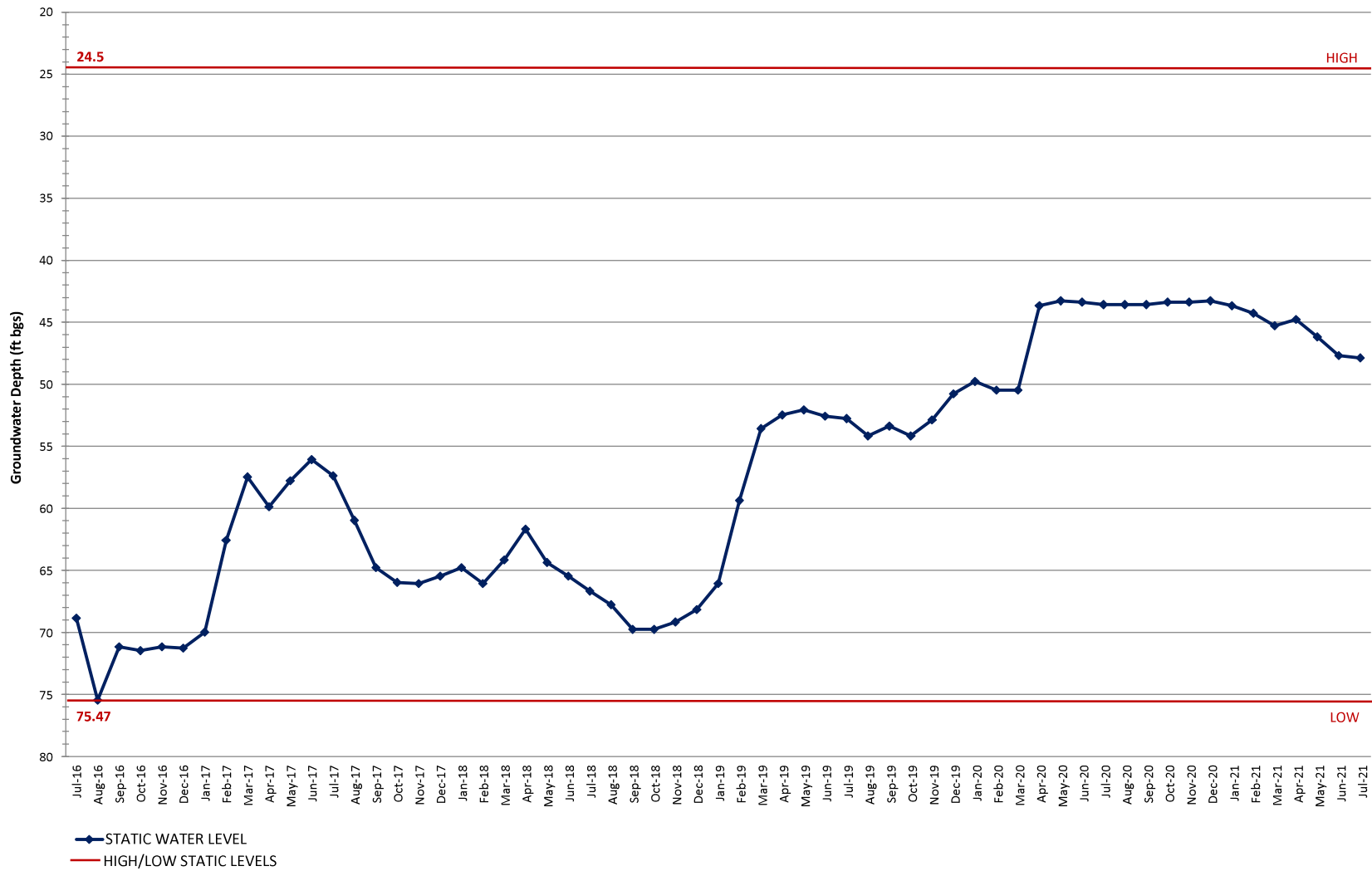




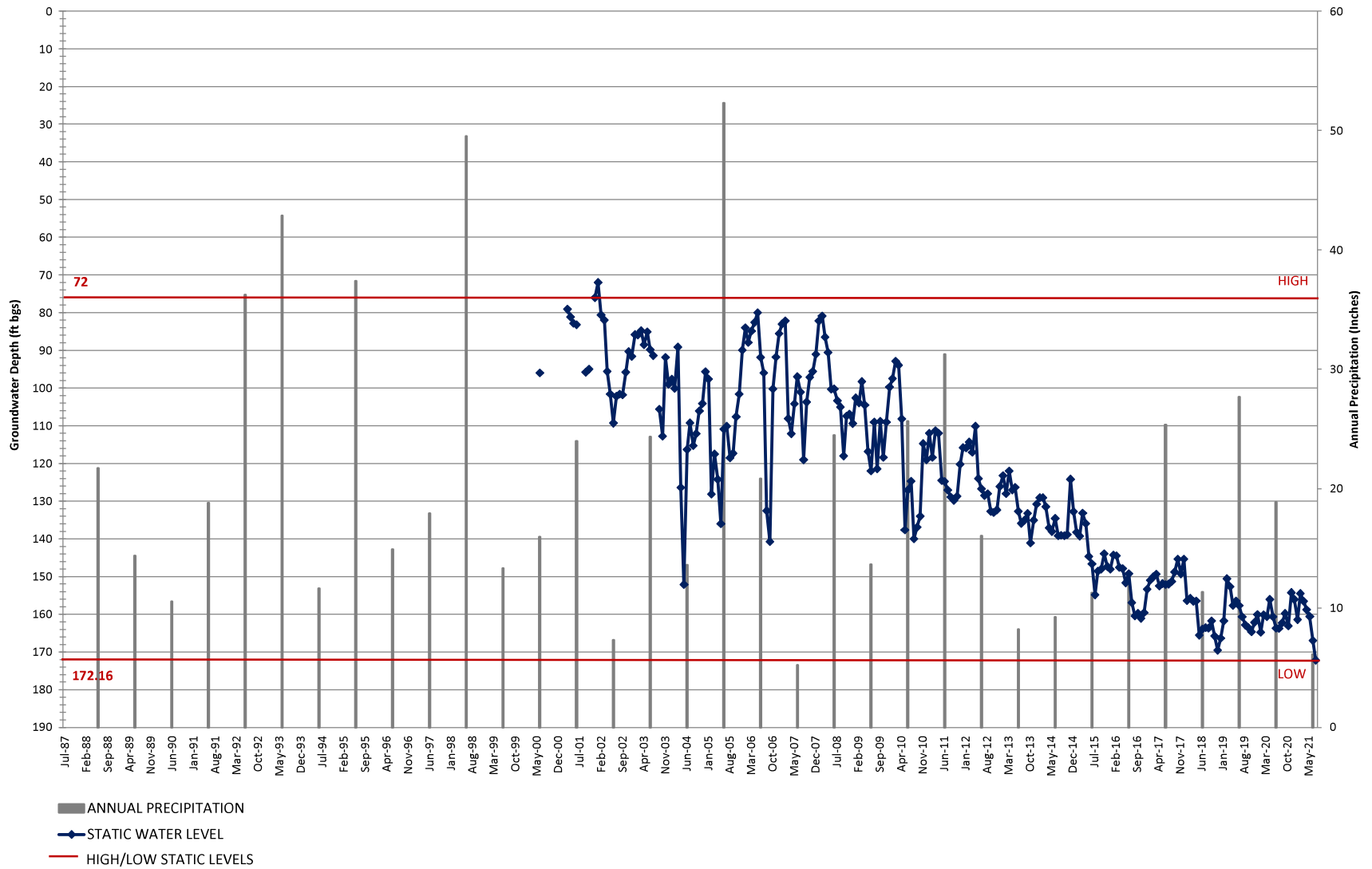
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 STATIC WATER LEVEL VS PRECIPITATION



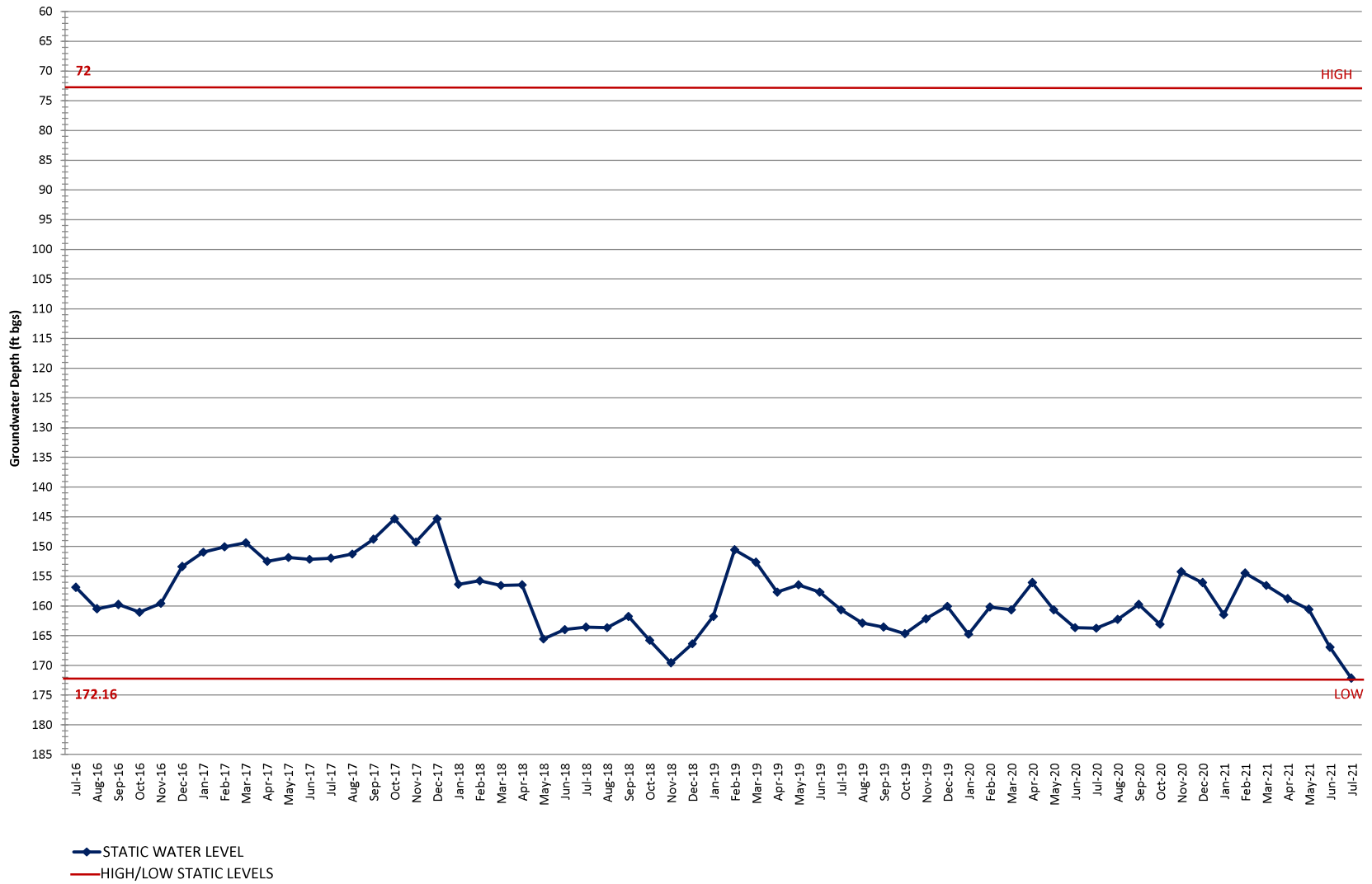
**SCV WATER WELL S8**  
*STATIC WATER LEVEL*



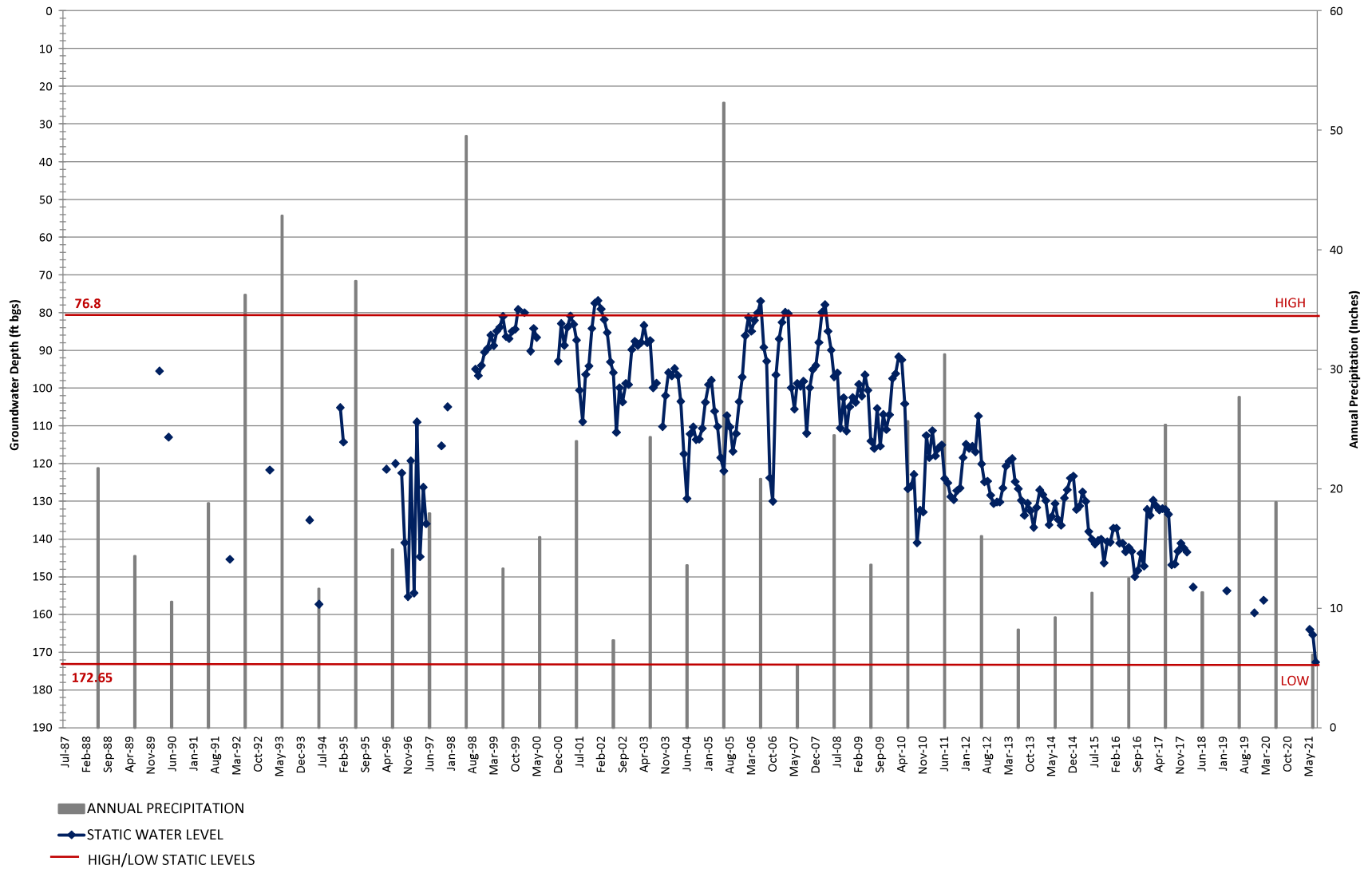
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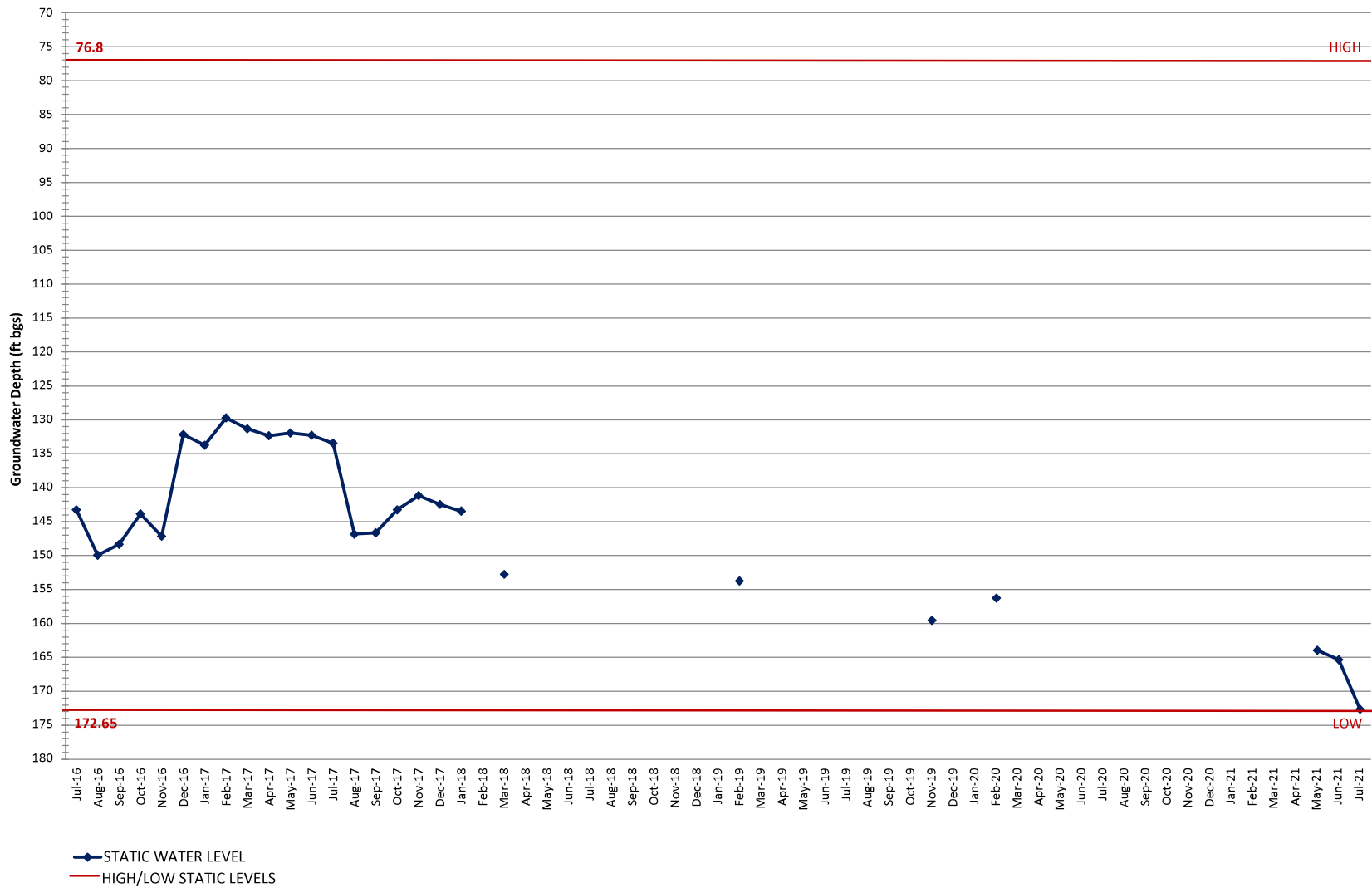
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*STATIC WATER LEVEL*



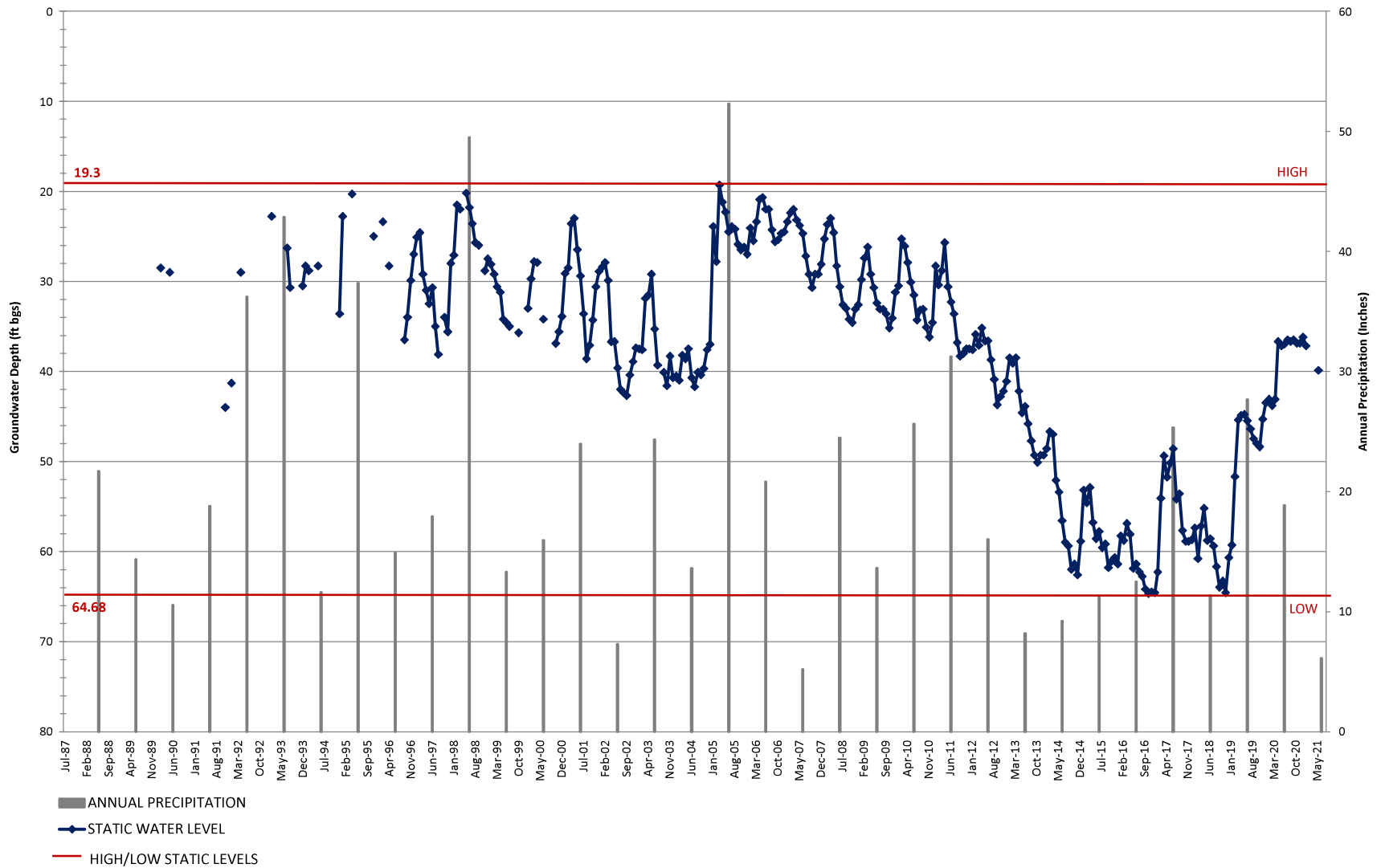
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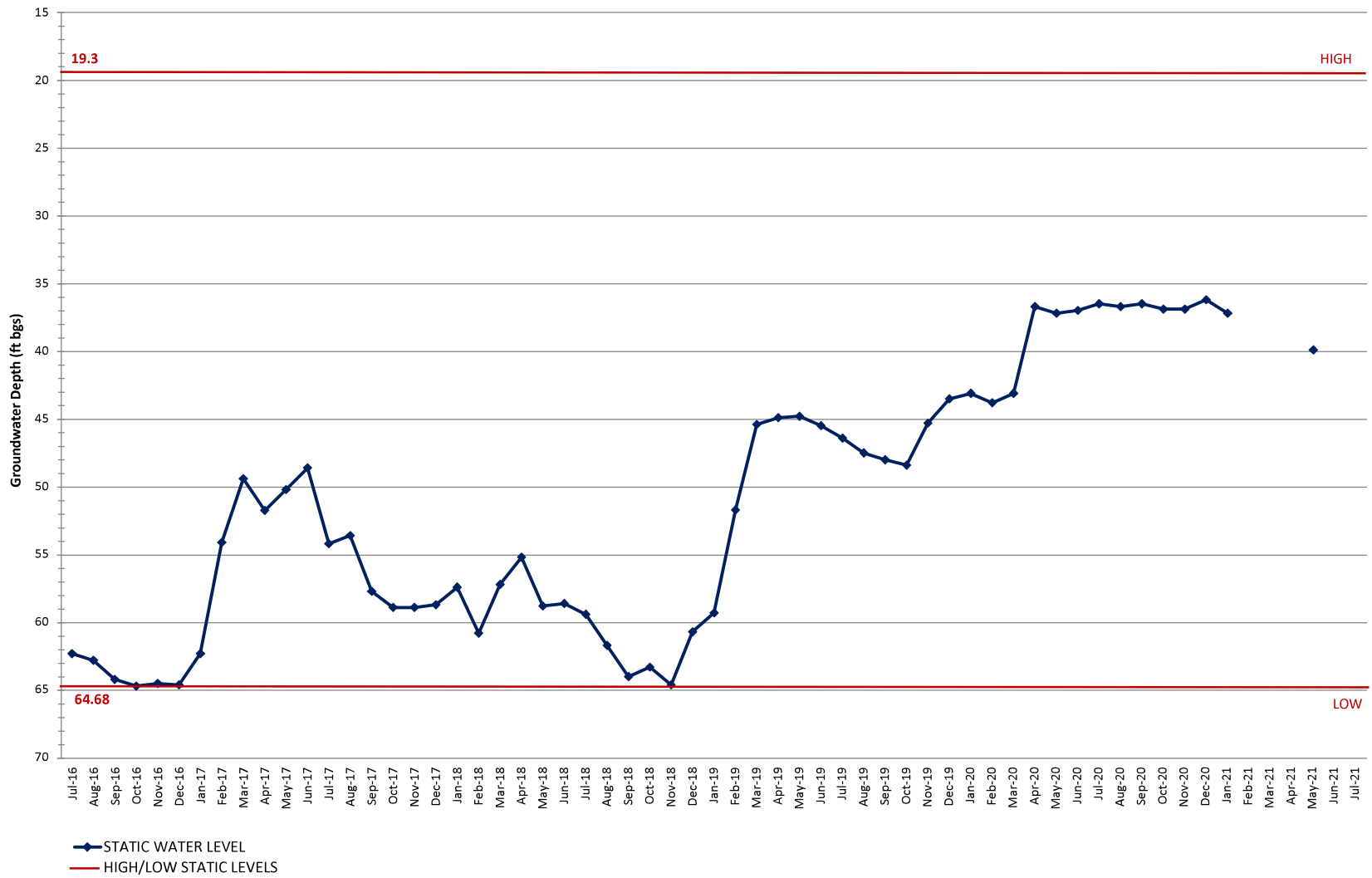
**SCV WATER WELL 201**  
 STATIC WATER LEVEL



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

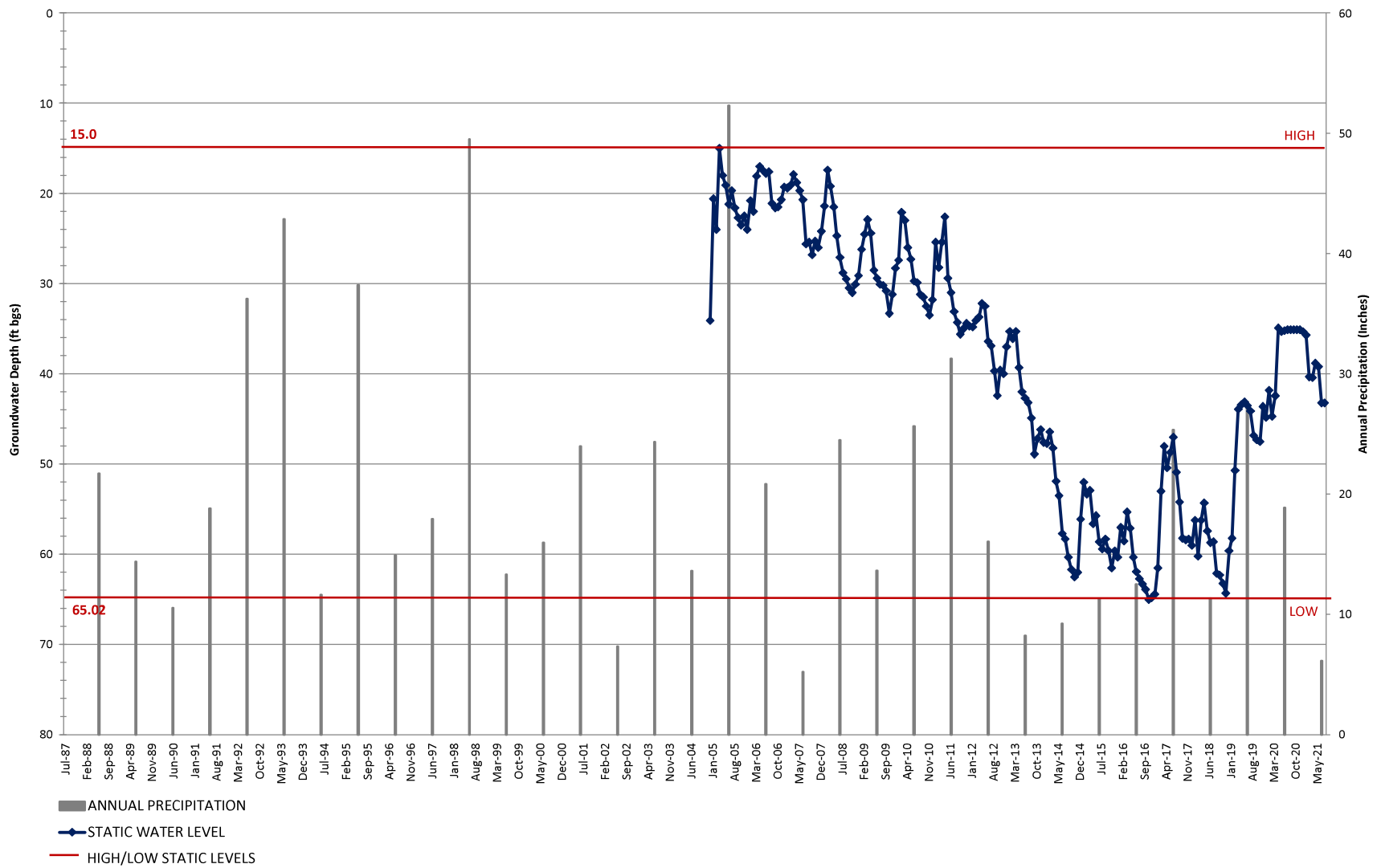


**SCV WATER WELL N**  
*STATIC WATER LEVEL*

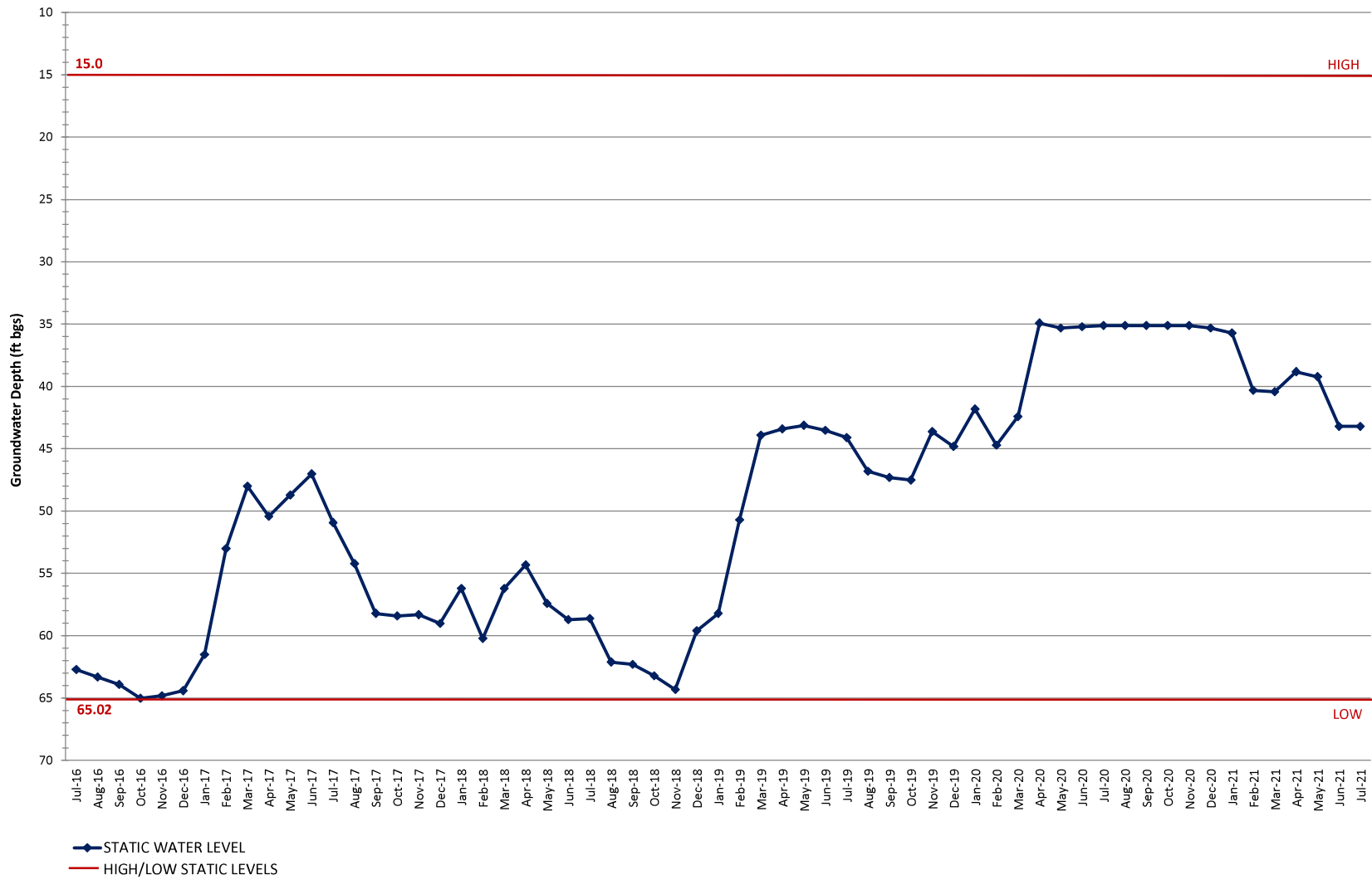




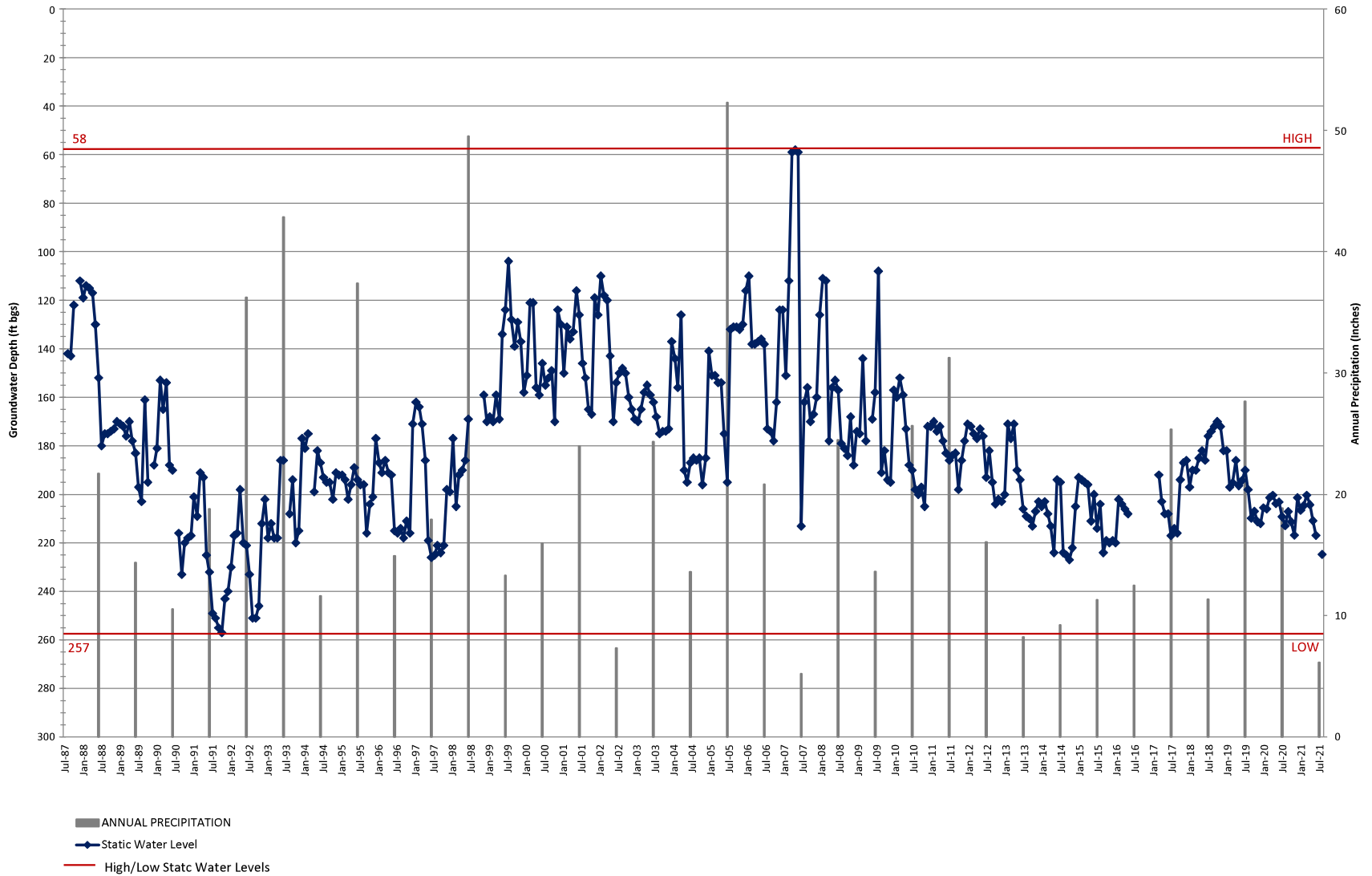
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 STATIC WATER LEVEL VS PRECIPITATION



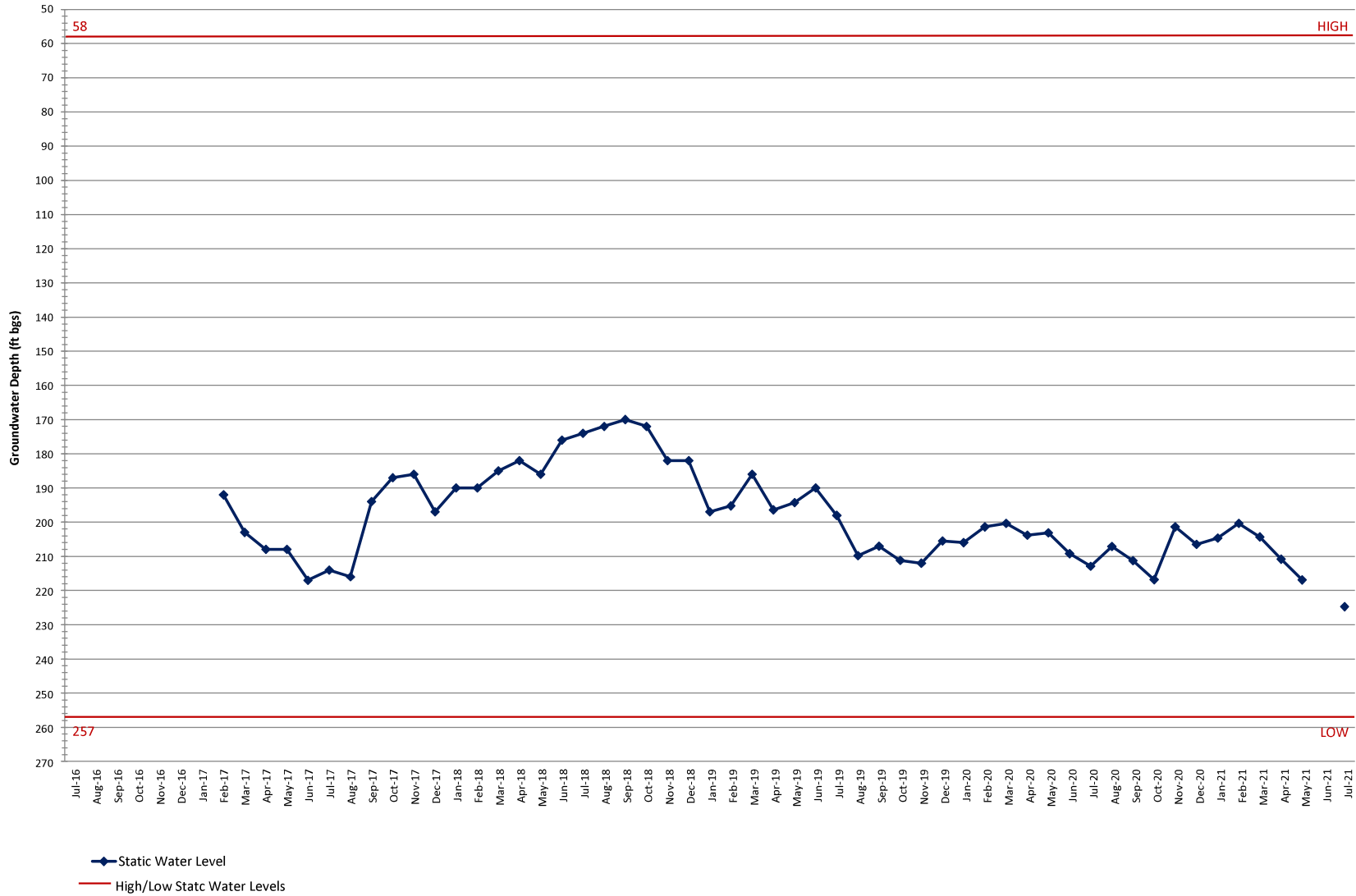
**SCV WATER WELL N7**  
 STATIC WATER LEVEL



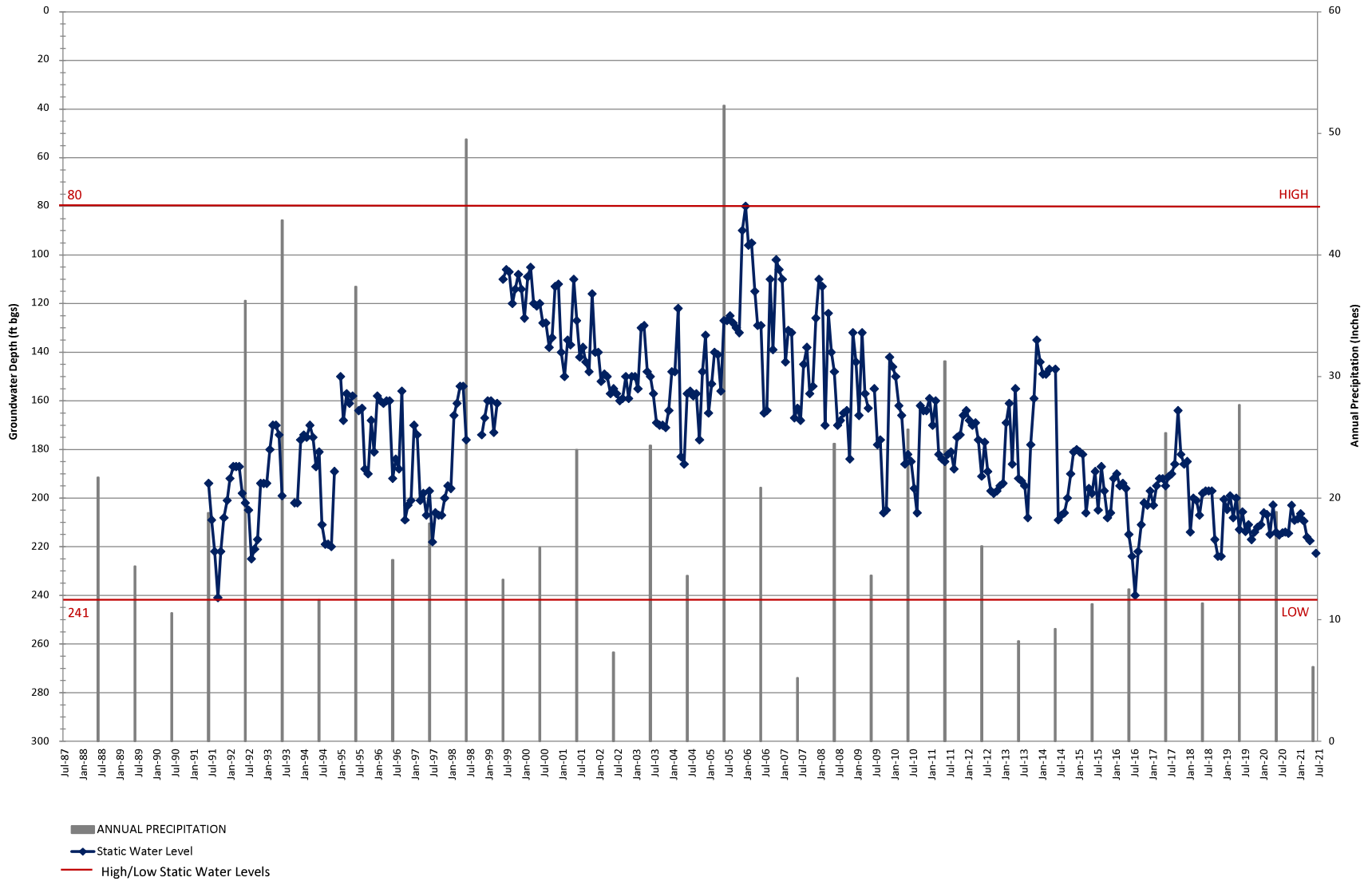
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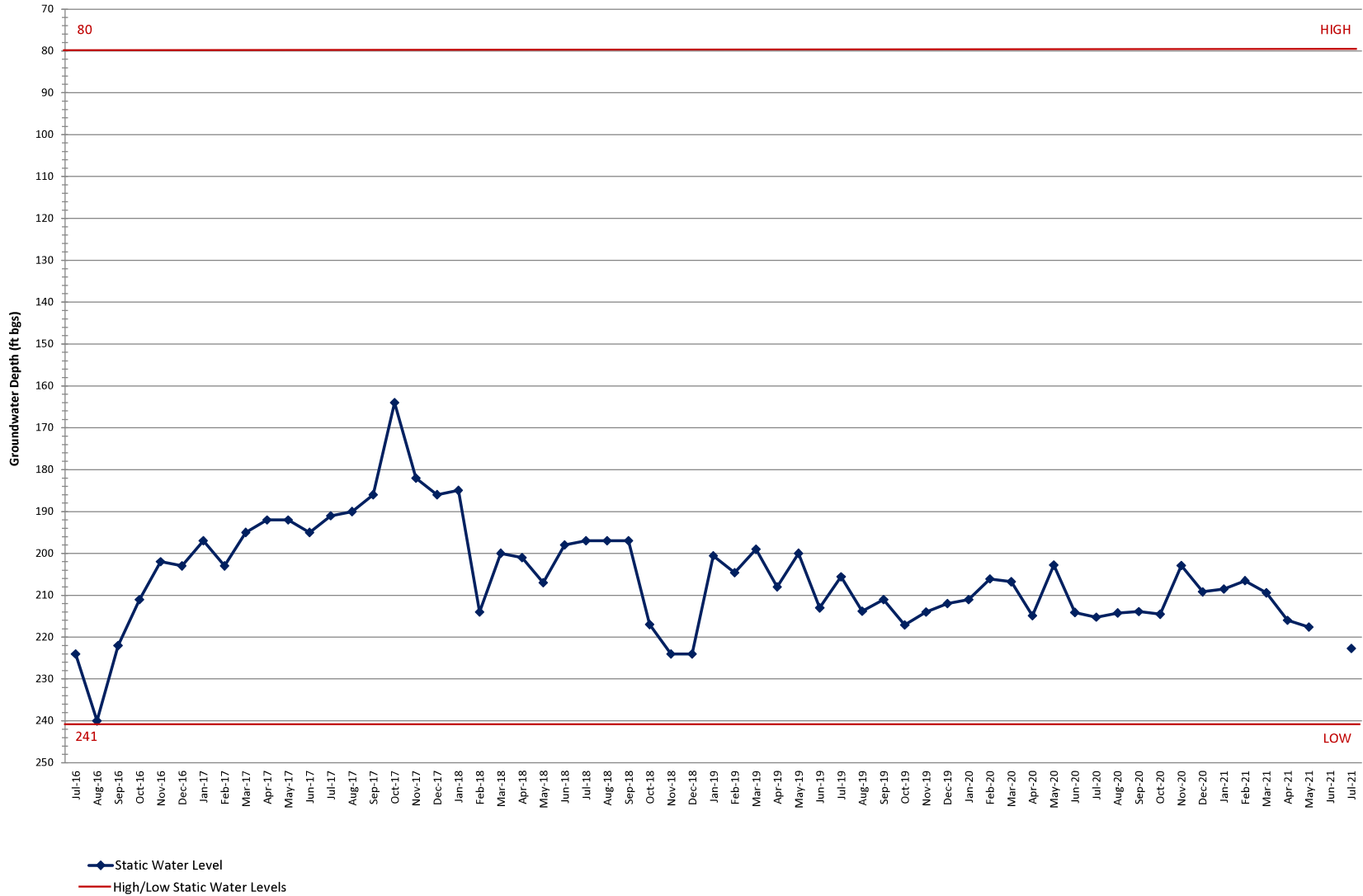
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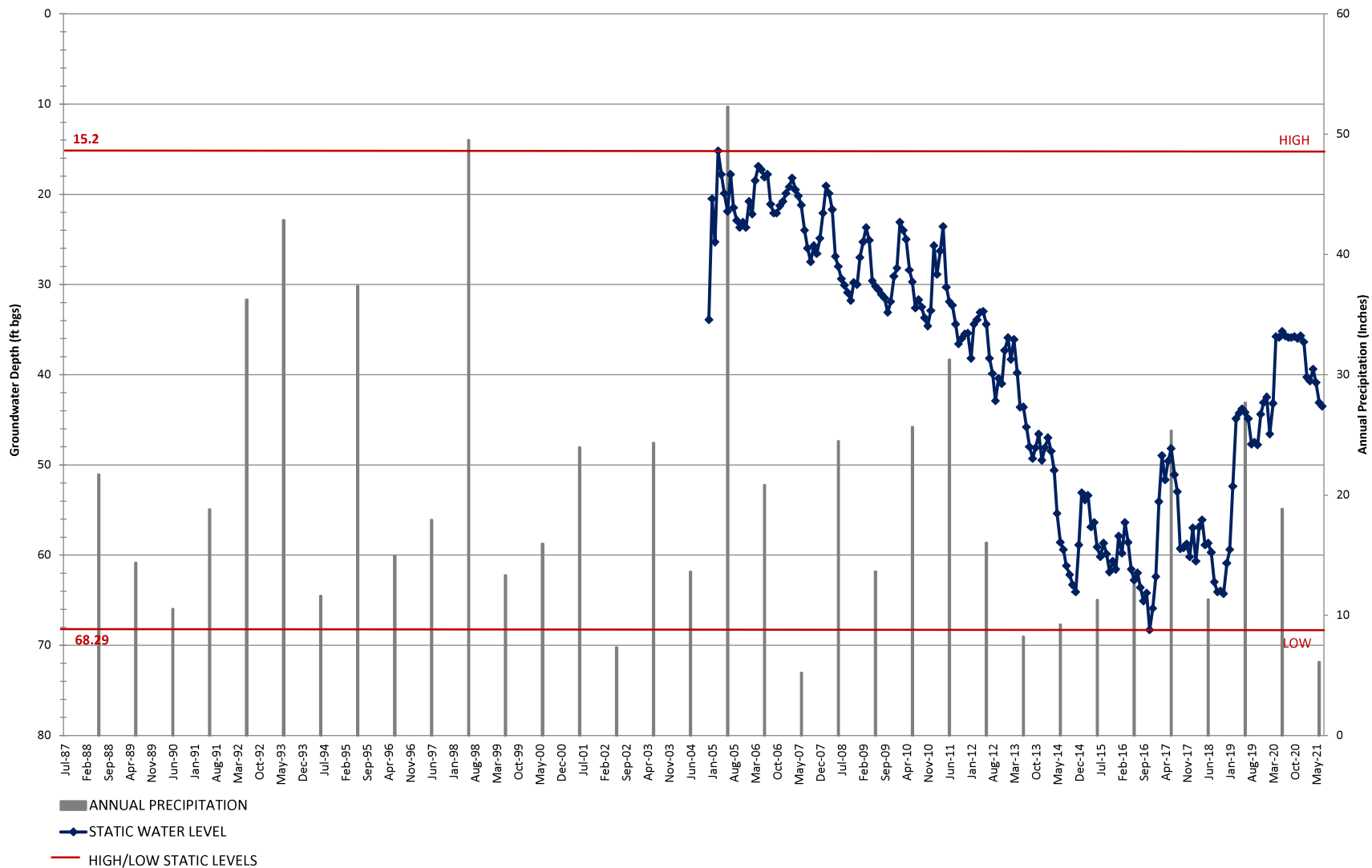
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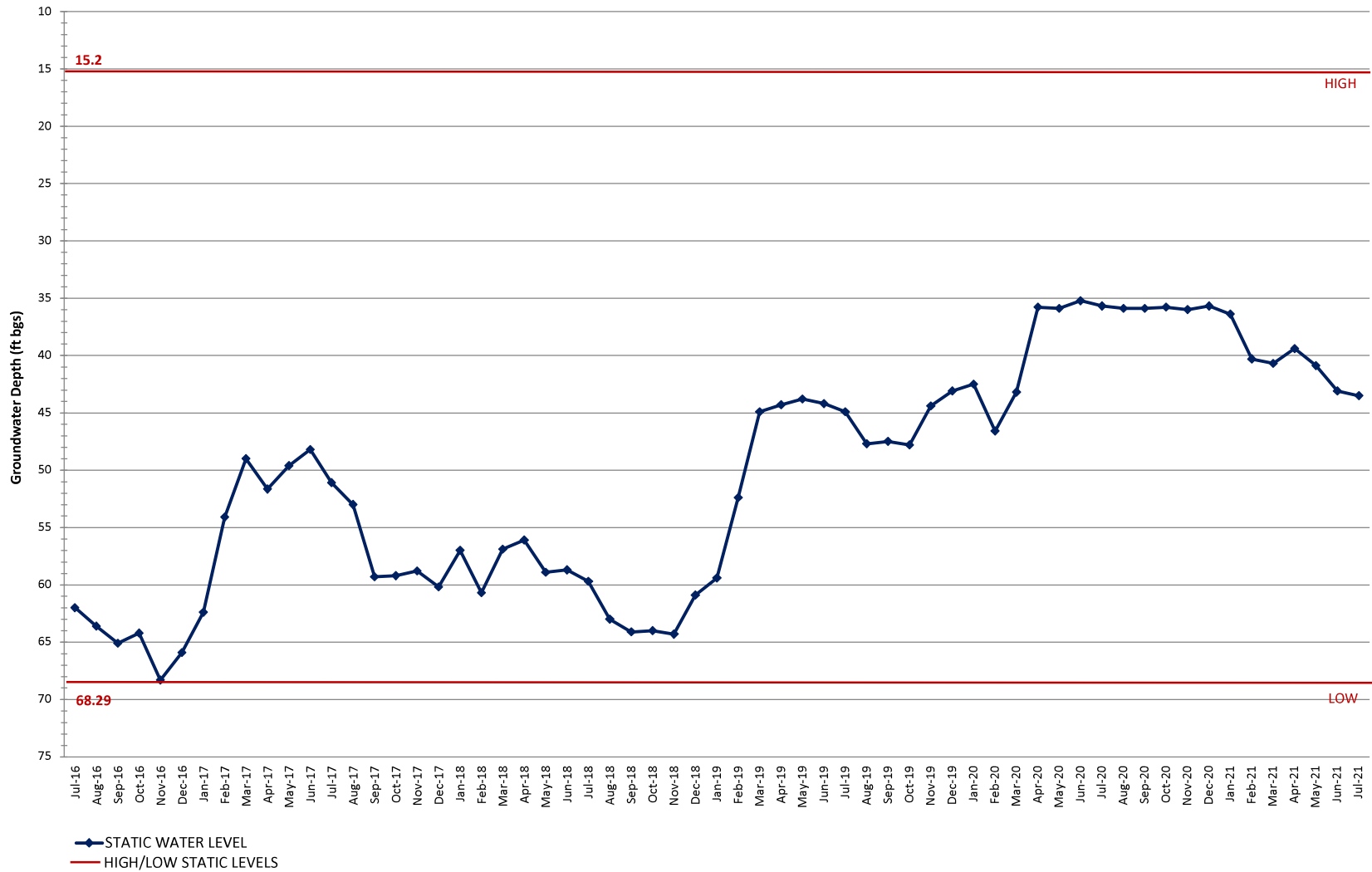
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 STATIC WATER LEVEL



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

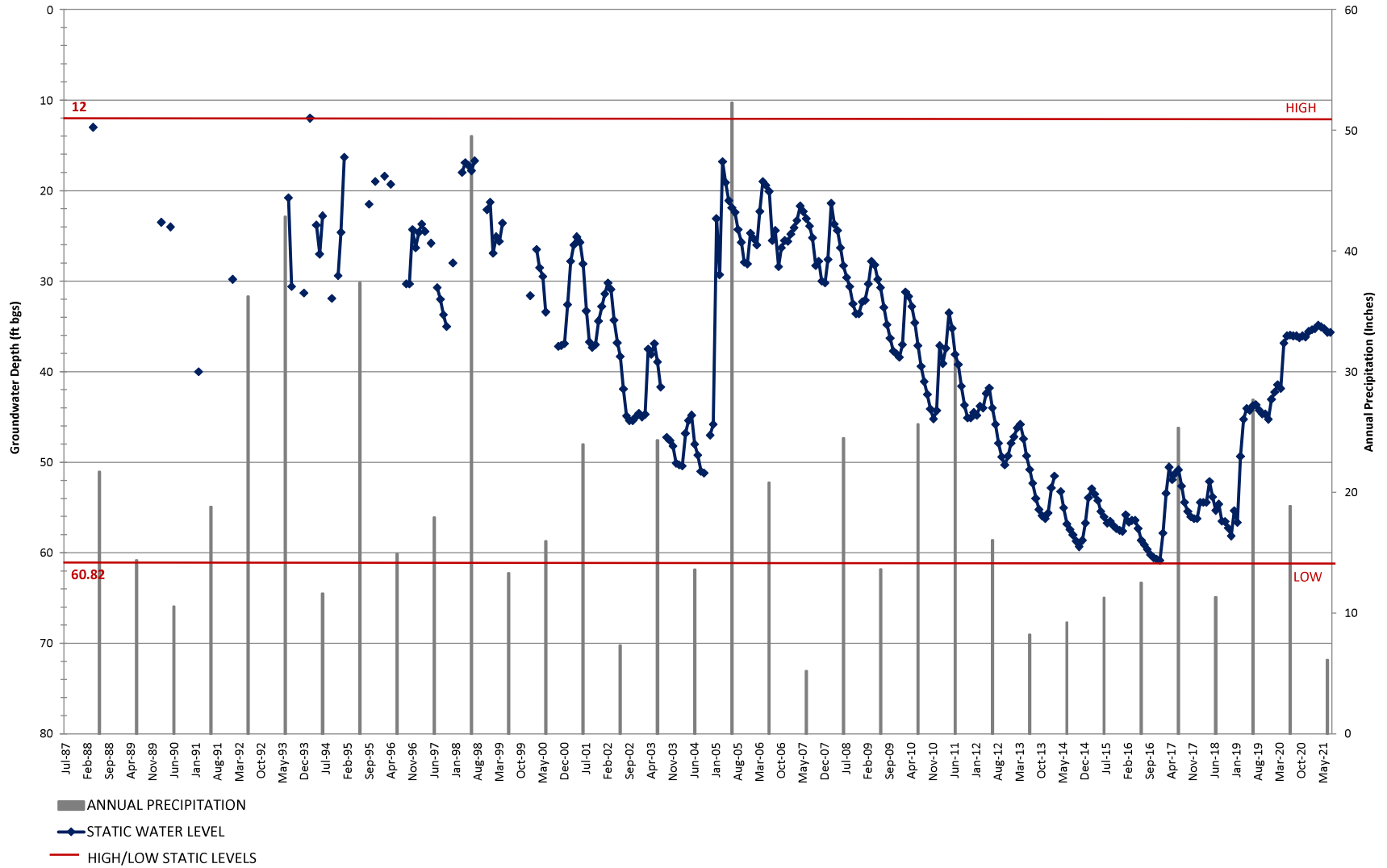


**SCV WATER WELL N8**  
**STATIC WATER LEVEL**

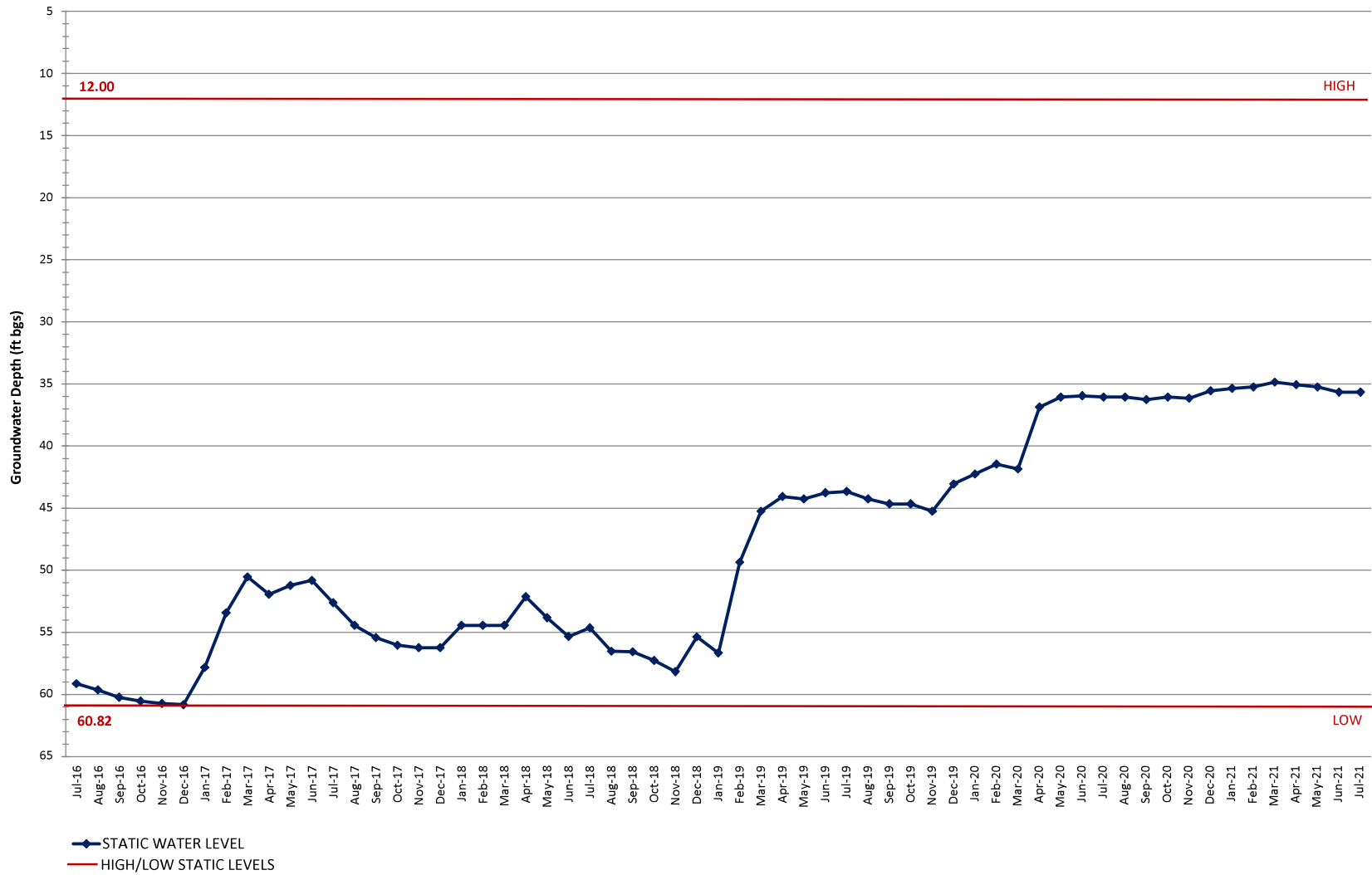




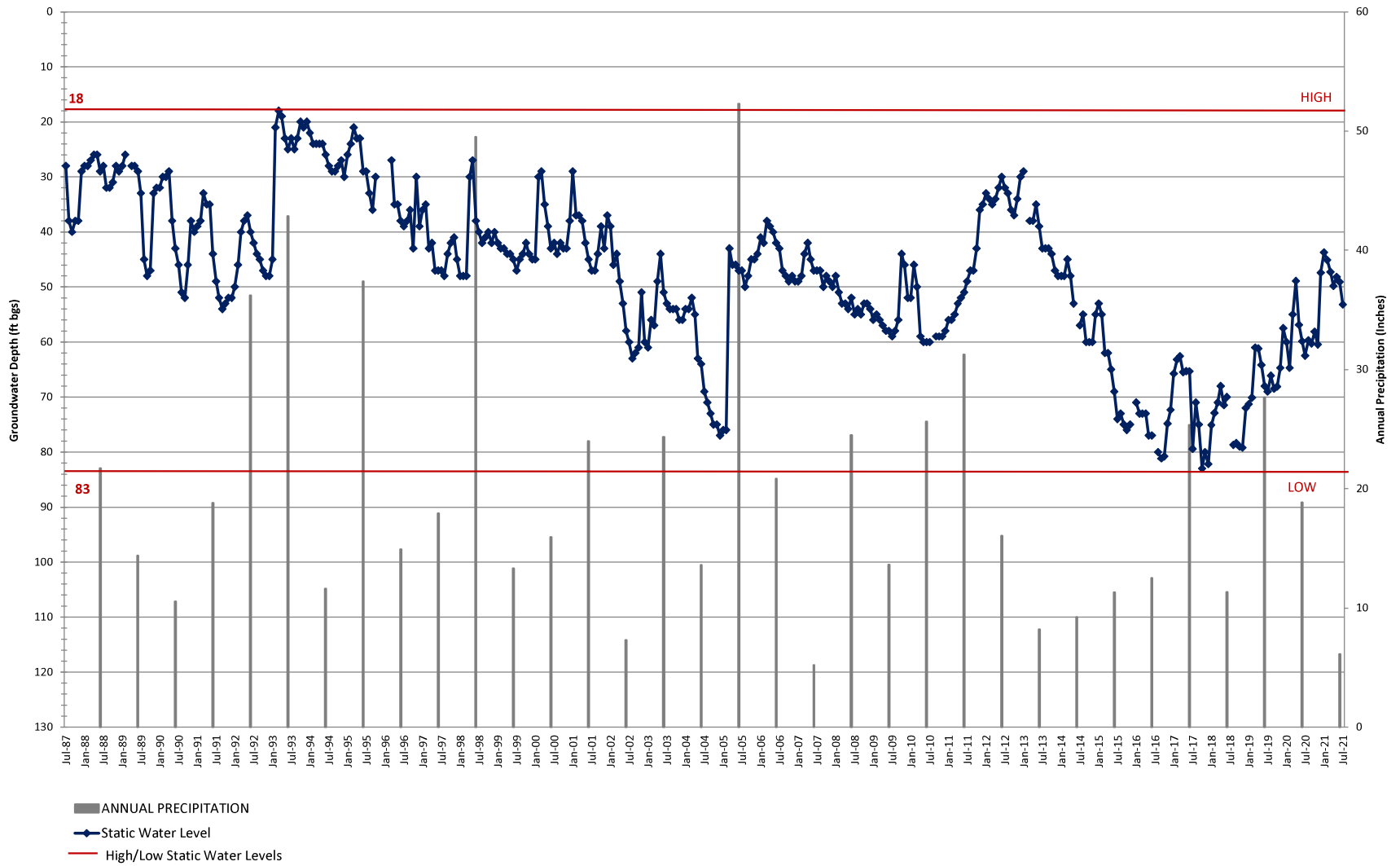
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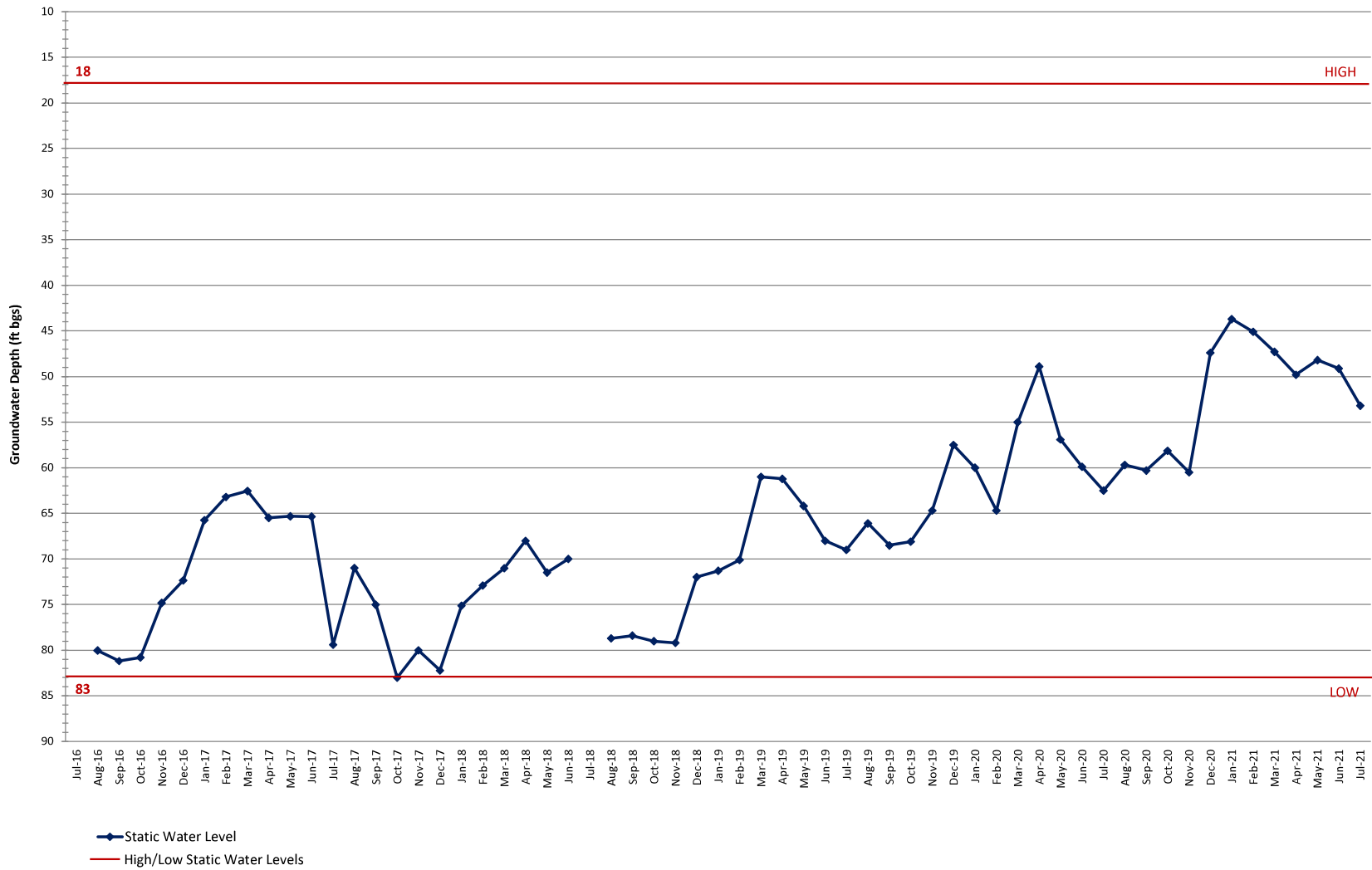
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**STATIC WATER LEVEL**



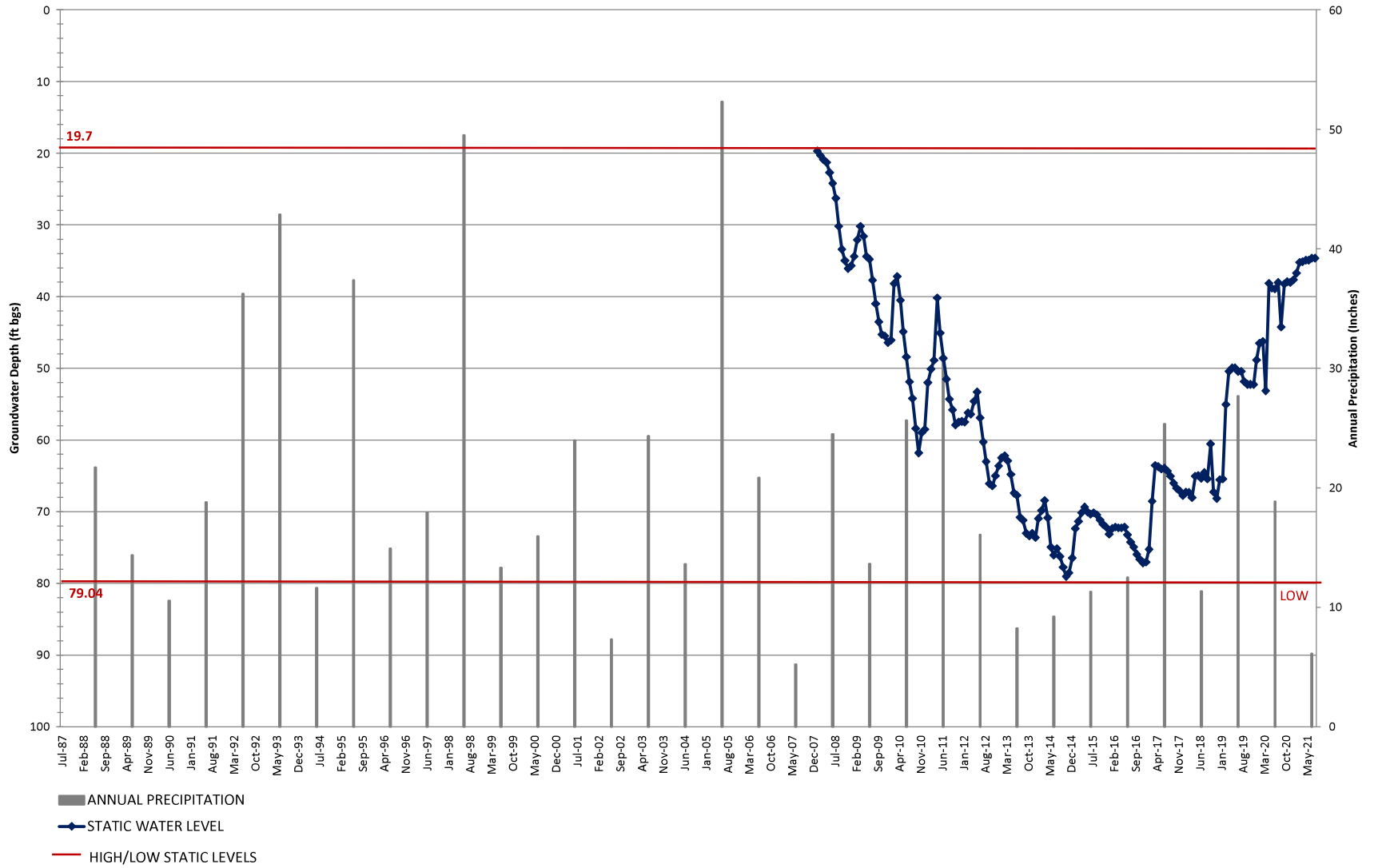
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**STATIC WATER LEVEL VS PRECIPITATION**



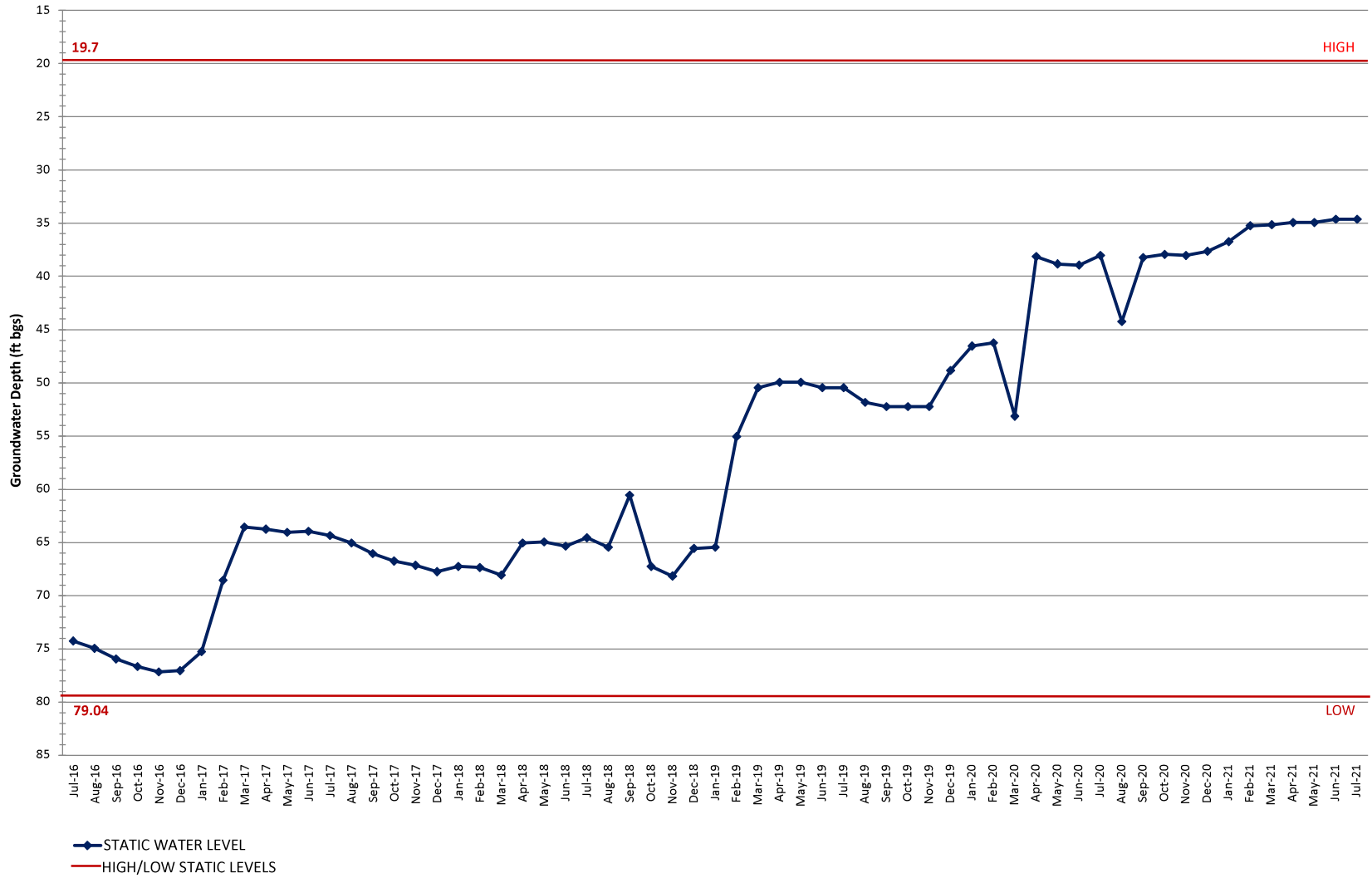
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 STATIC WATER LEVEL



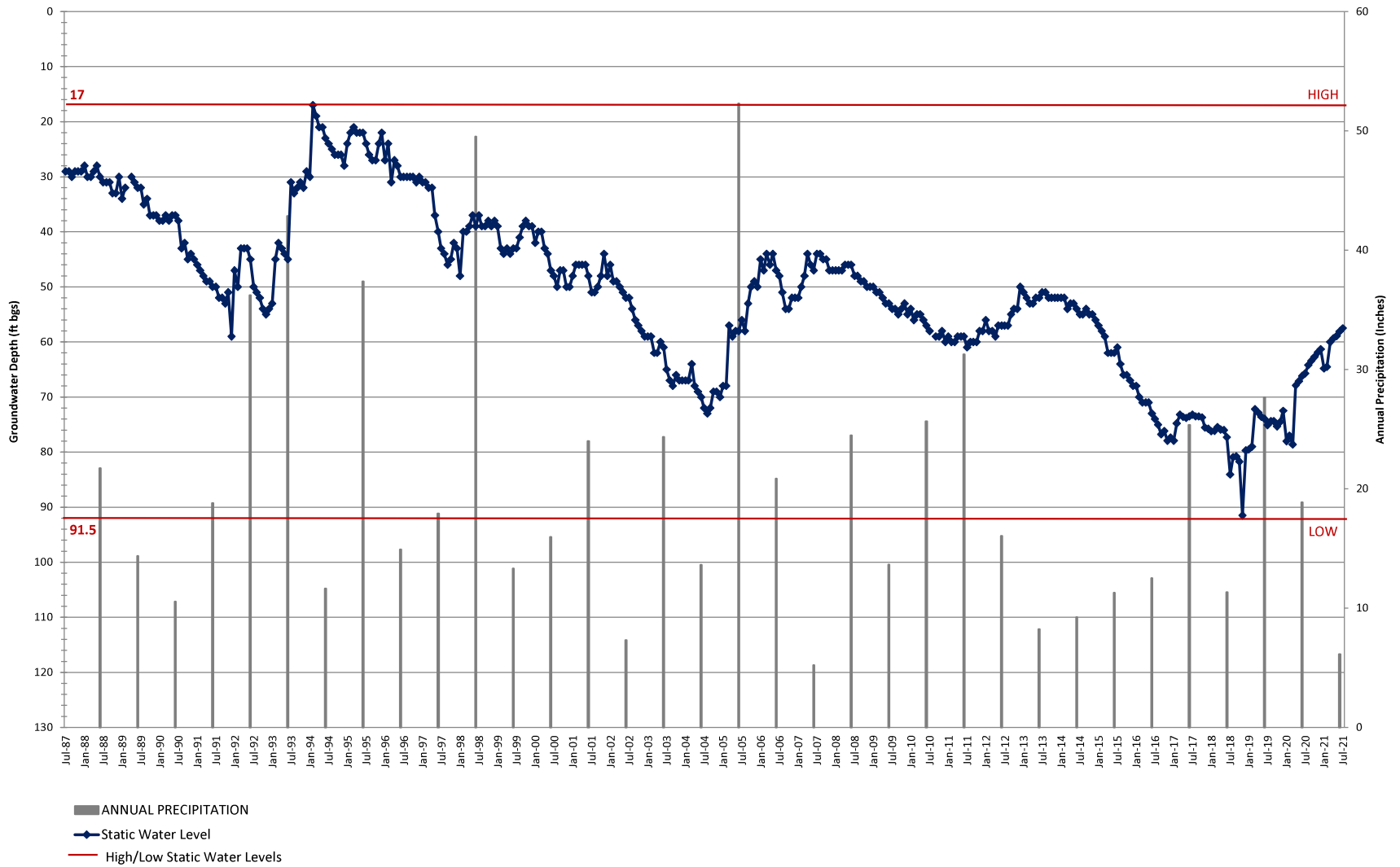
**SCV WATER WELL T7**  
 STATIC WATER LEVEL VS PRECIPITATION



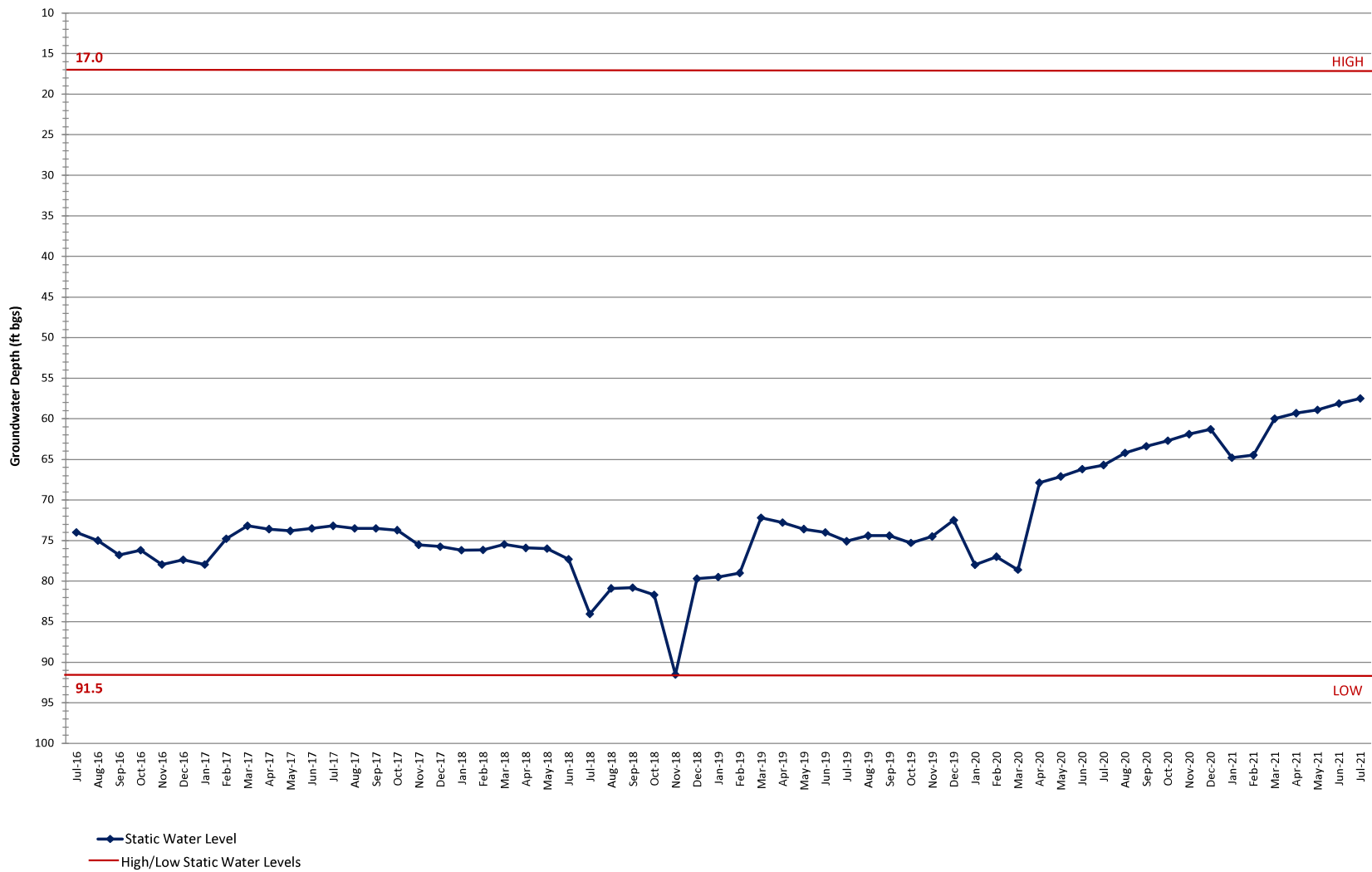
**SCV WATER WELL T7**  
**STATIC WATER LEVEL**



**SCV WATER WELL CLARK #15**  
**STATIC WATER LEVEL VS PRECIPITATION**

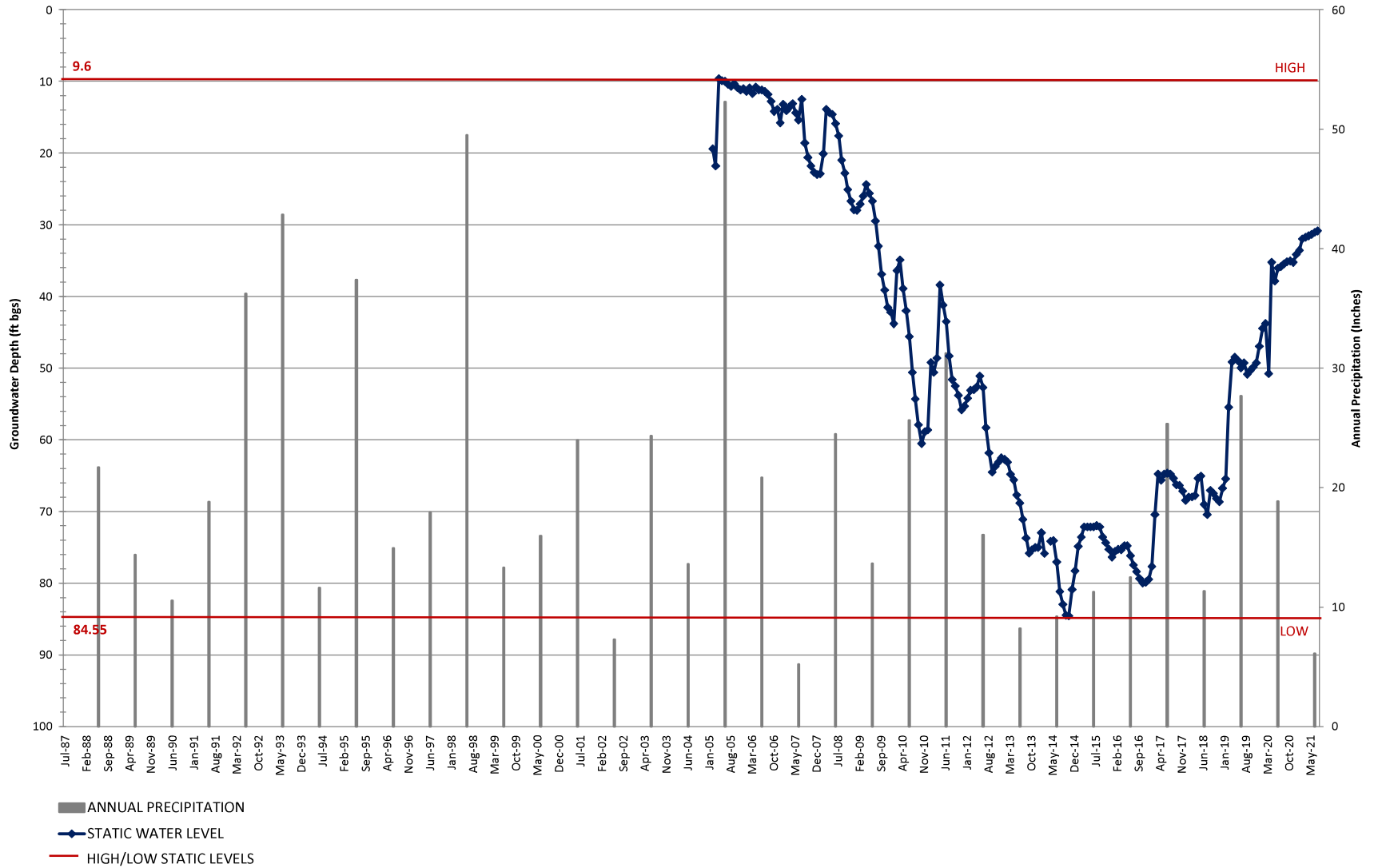


**SCV WATER WELL CLARK #15**  
*STATIC WATER LEVEL*

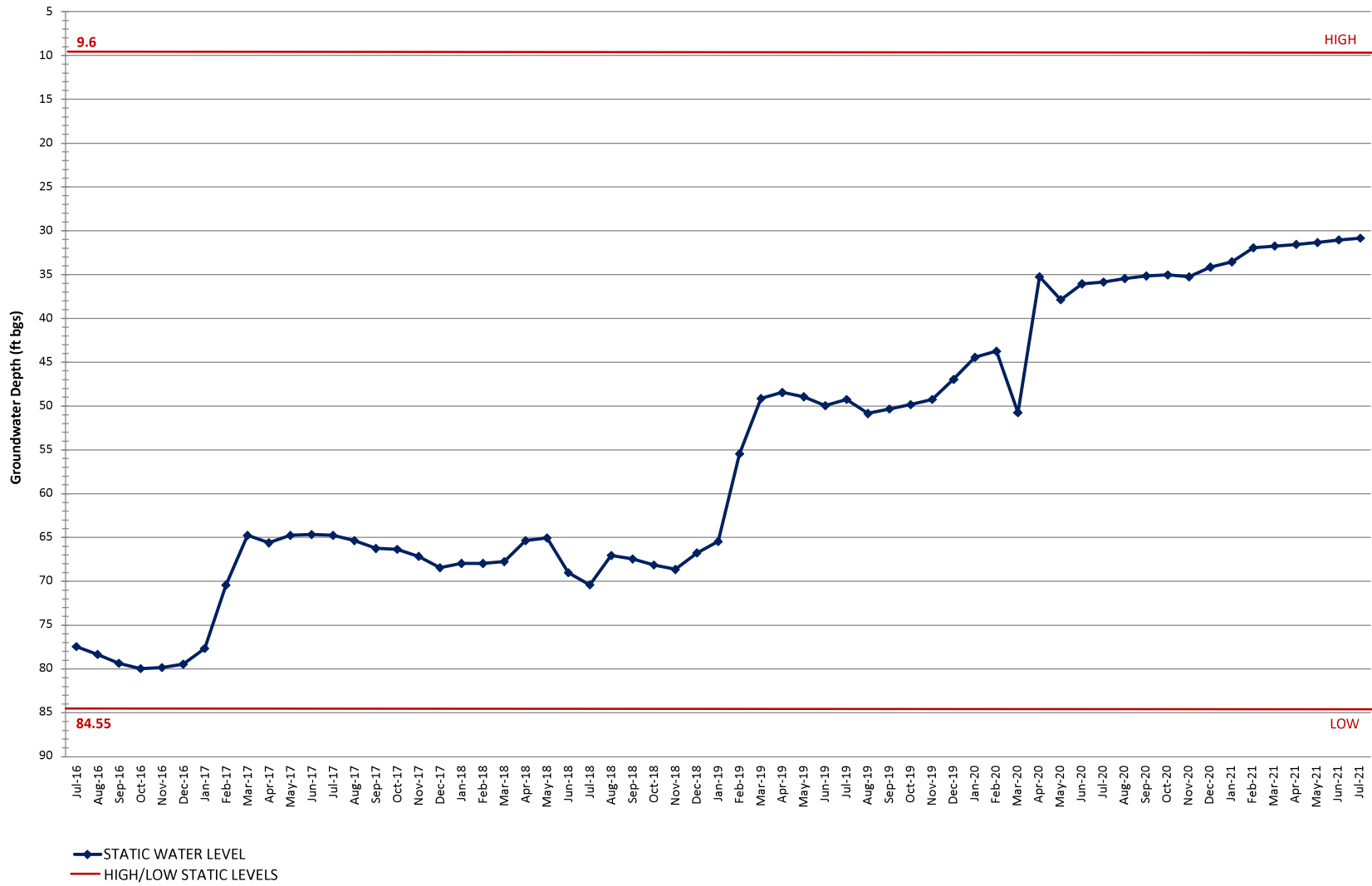




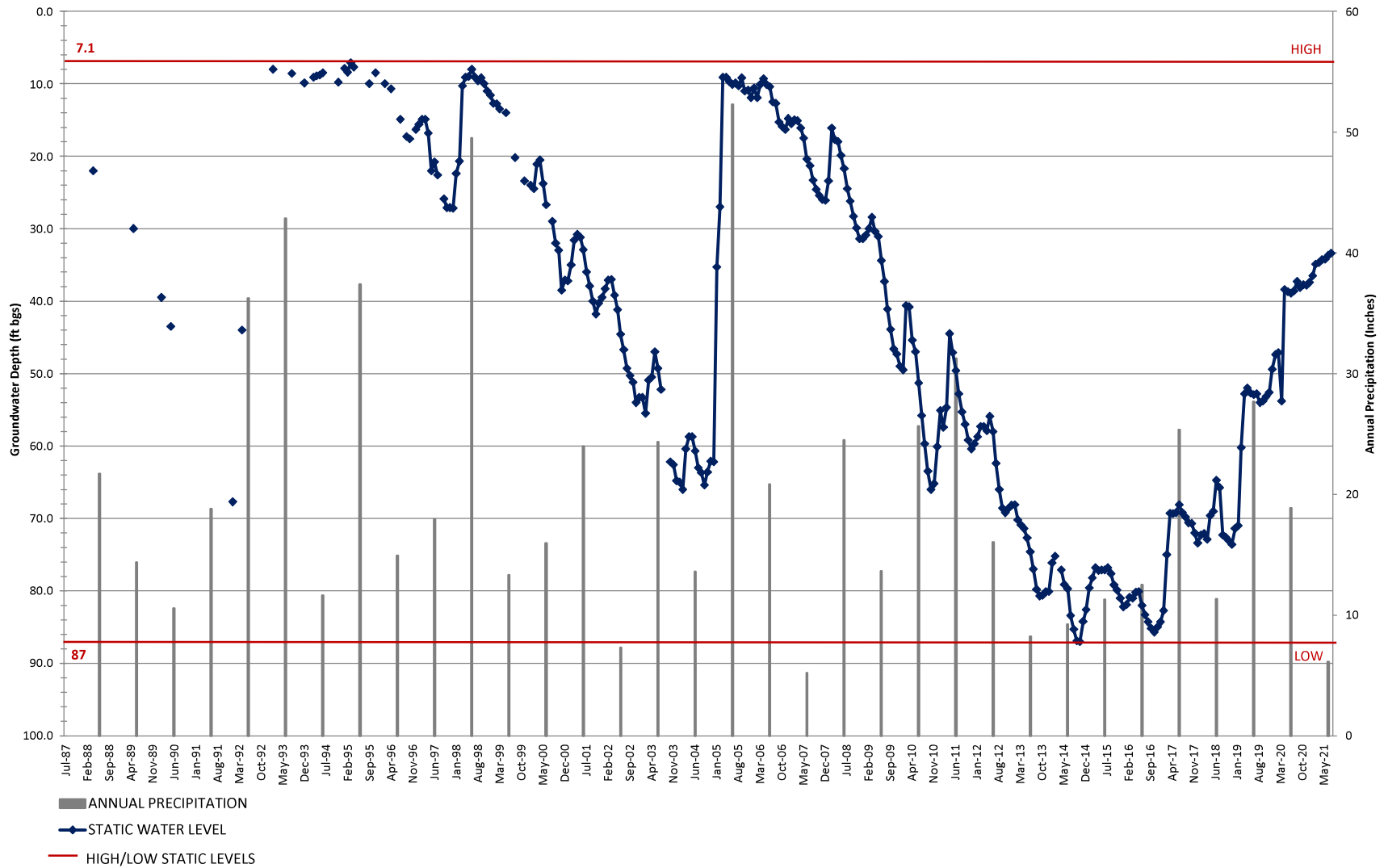
**SCV WATER WELL U6**  
 STATIC WATER LEVEL VS PRECIPITATION



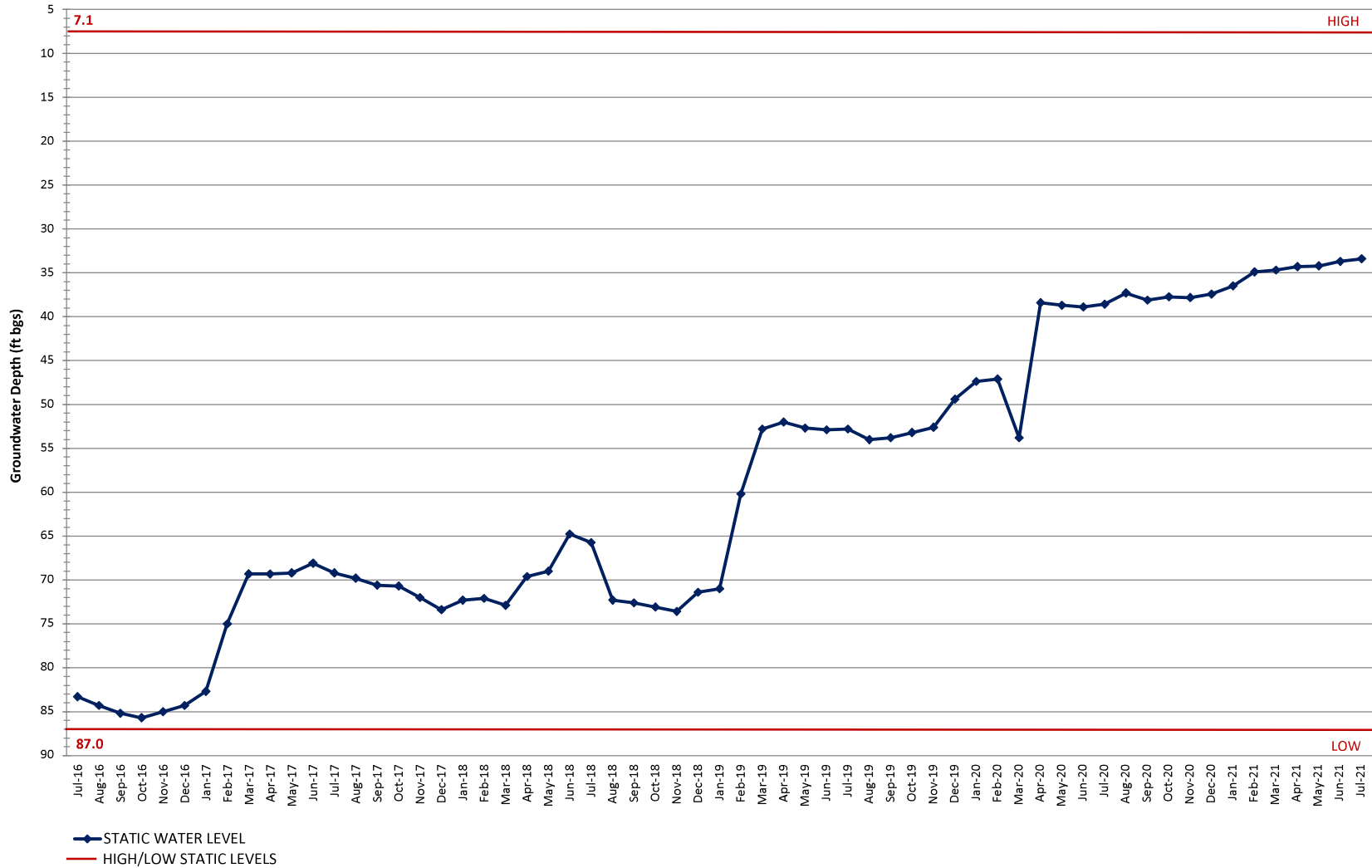
**SCV WATER WELL U6**  
**STATIC WATER LEVEL**



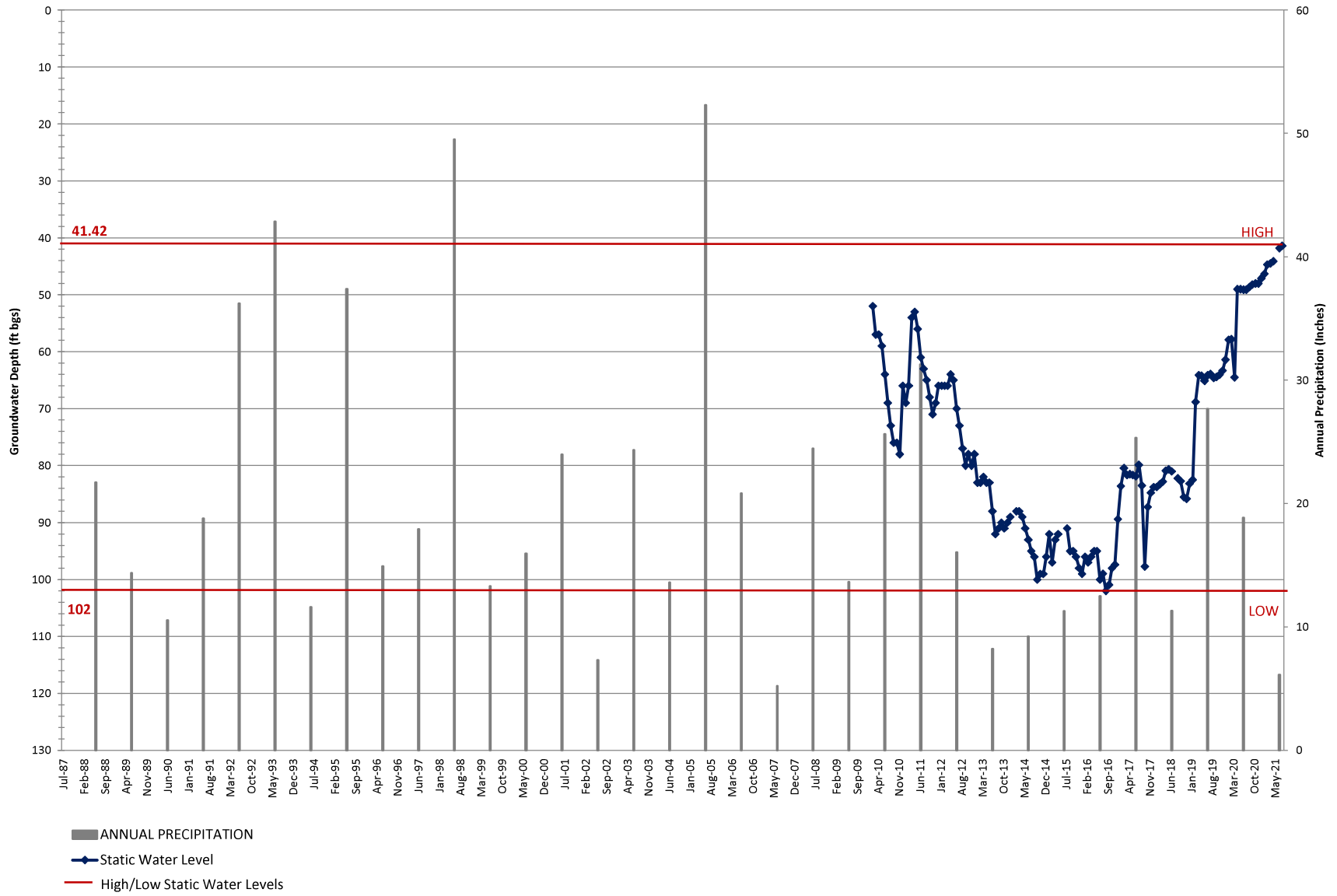
**SCV WATER WELL U4**  
 STATIC WATER LEVEL VS PRECIPITATION



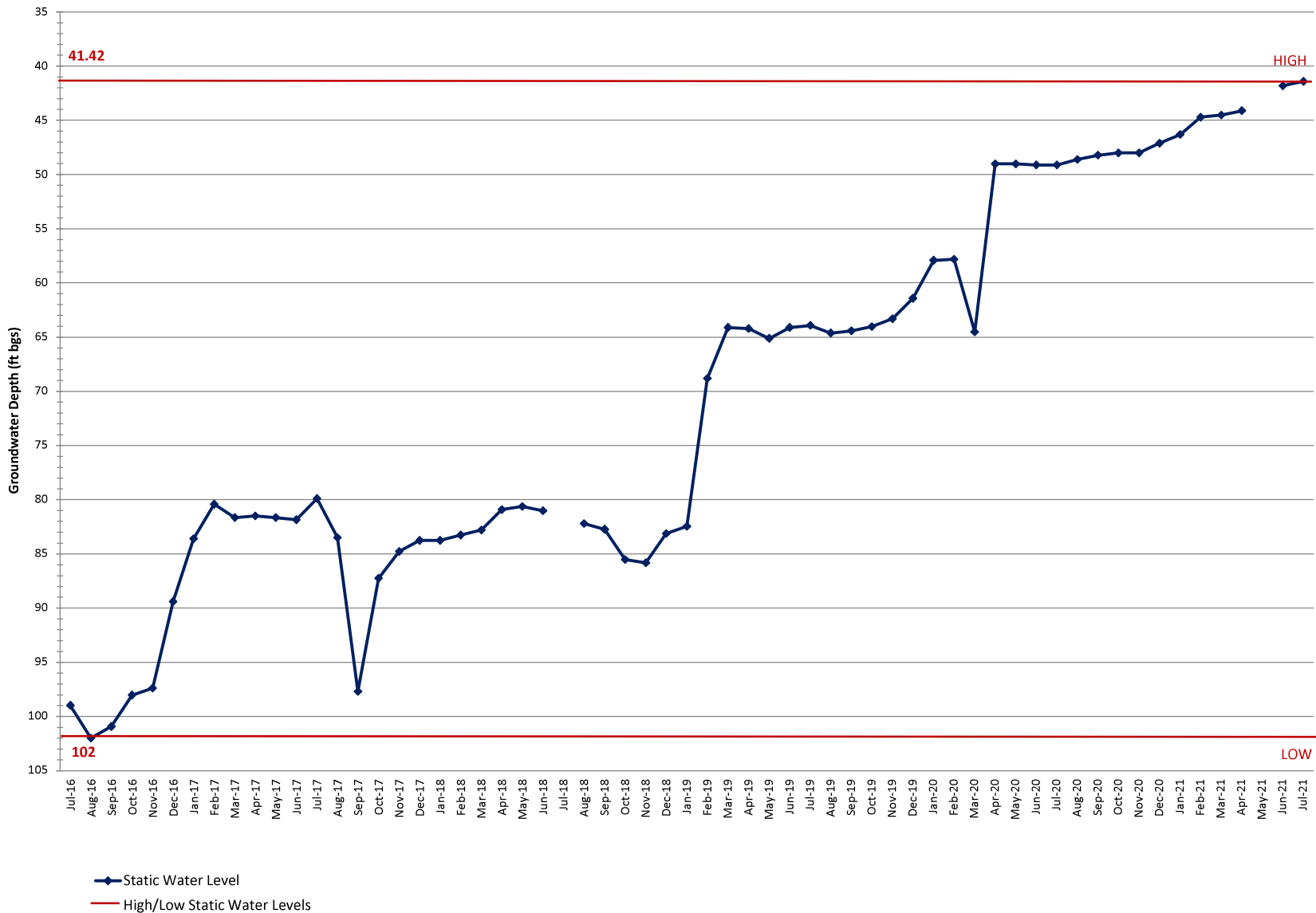
**SCV WATER WELL U4**  
**STATIC WATER LEVEL**



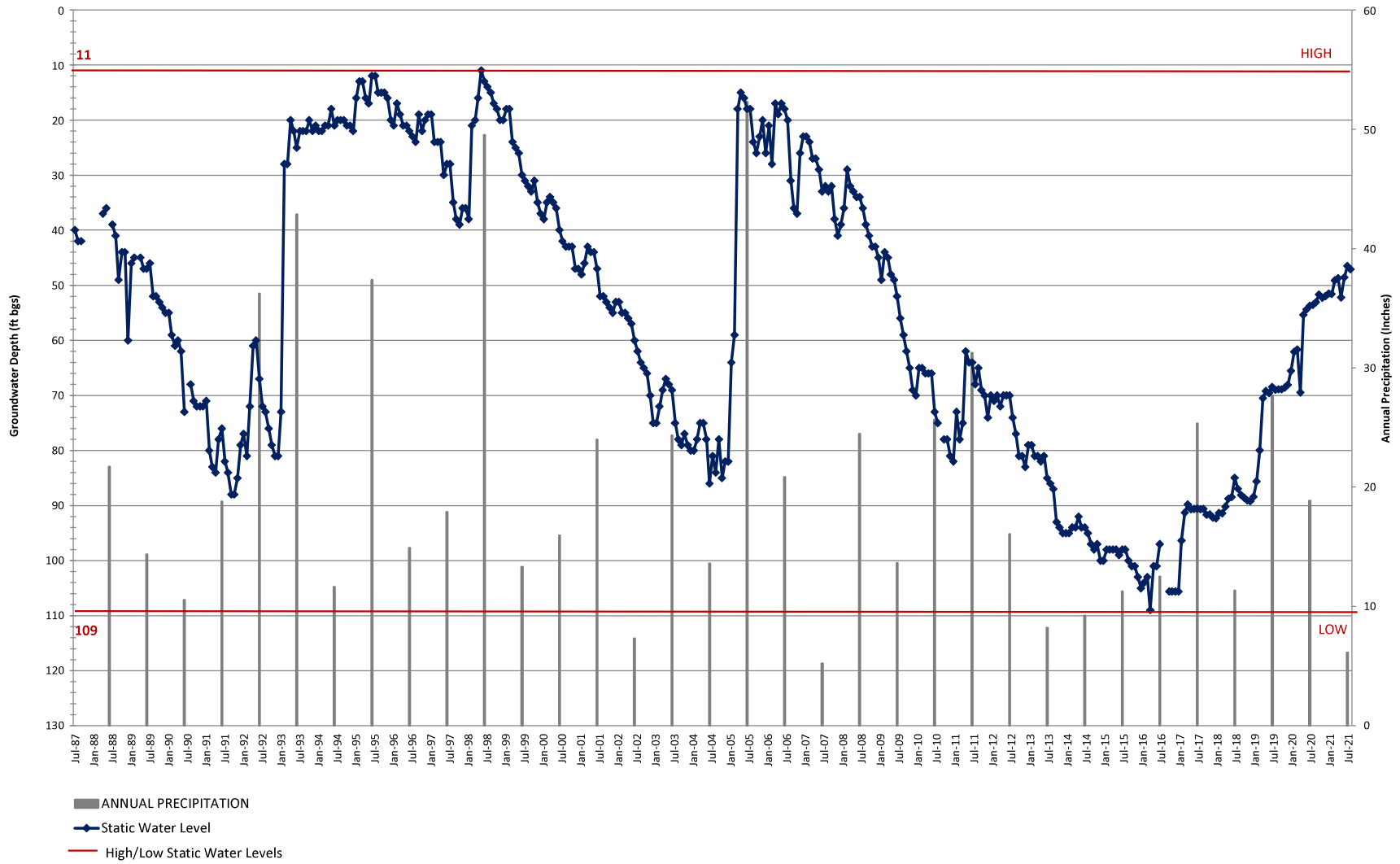
SCV WATER WELL VALLEY CENTER  
 STATIC WATER LEVEL VS PRECIPITATION



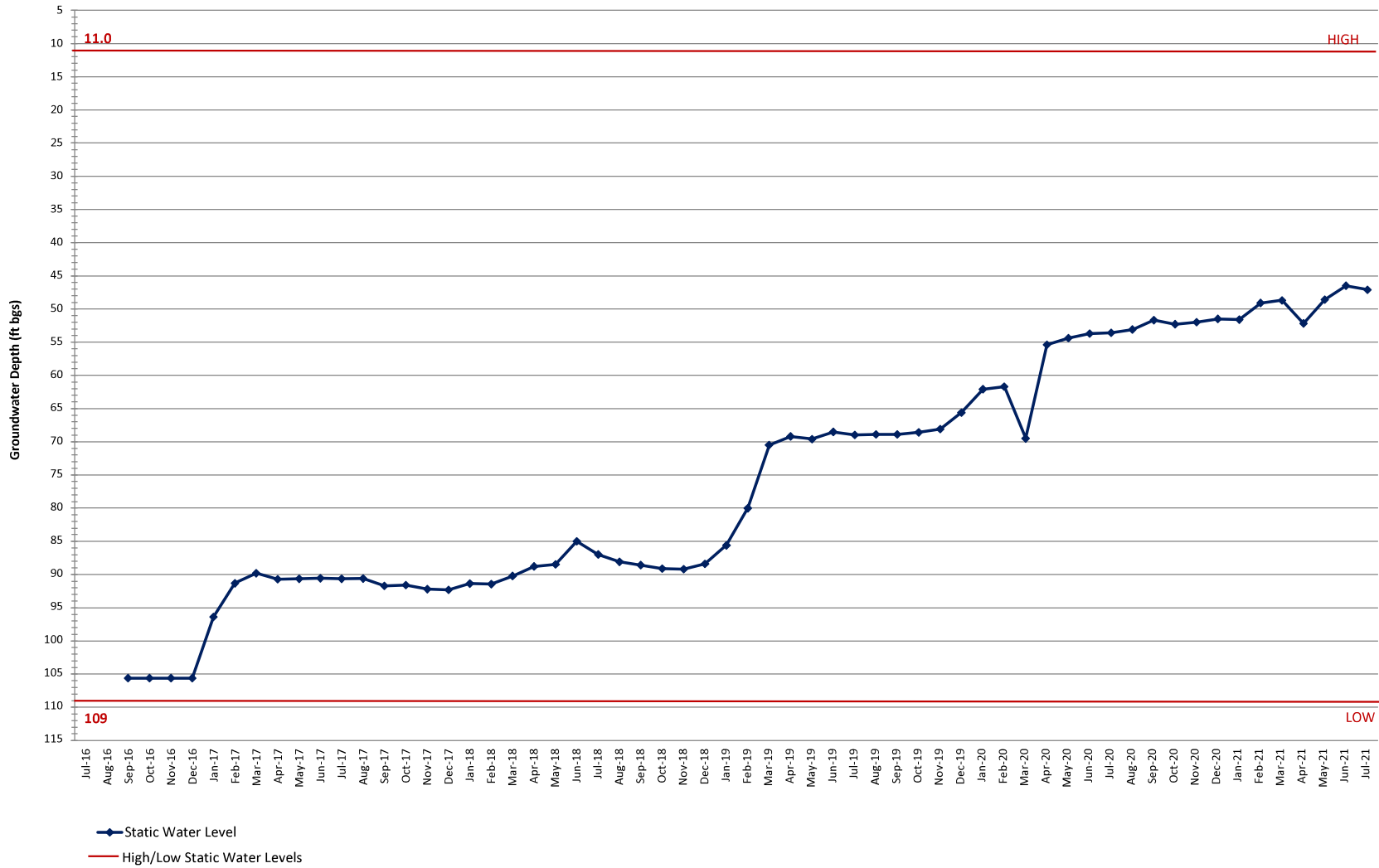
SCV WATER WELL VALLEY CENTER  
 STATIC WATER LEVEL



**SCV WATER WELL HONBY #12**  
**STATIC WATER LEVEL VS PRECIPITATION**

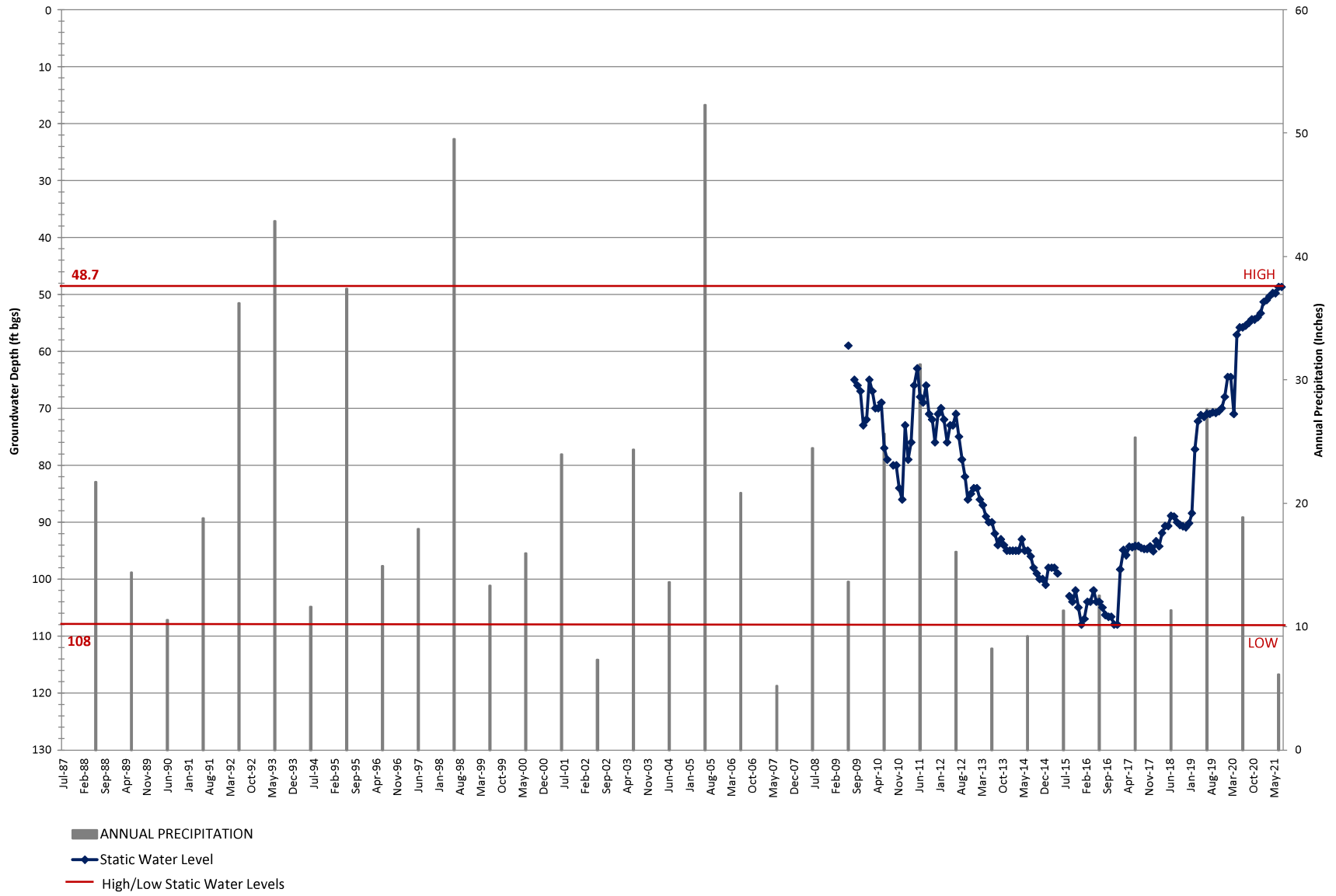


SCV WATER WELL HONBY #12  
 STATIC WATER LEVEL

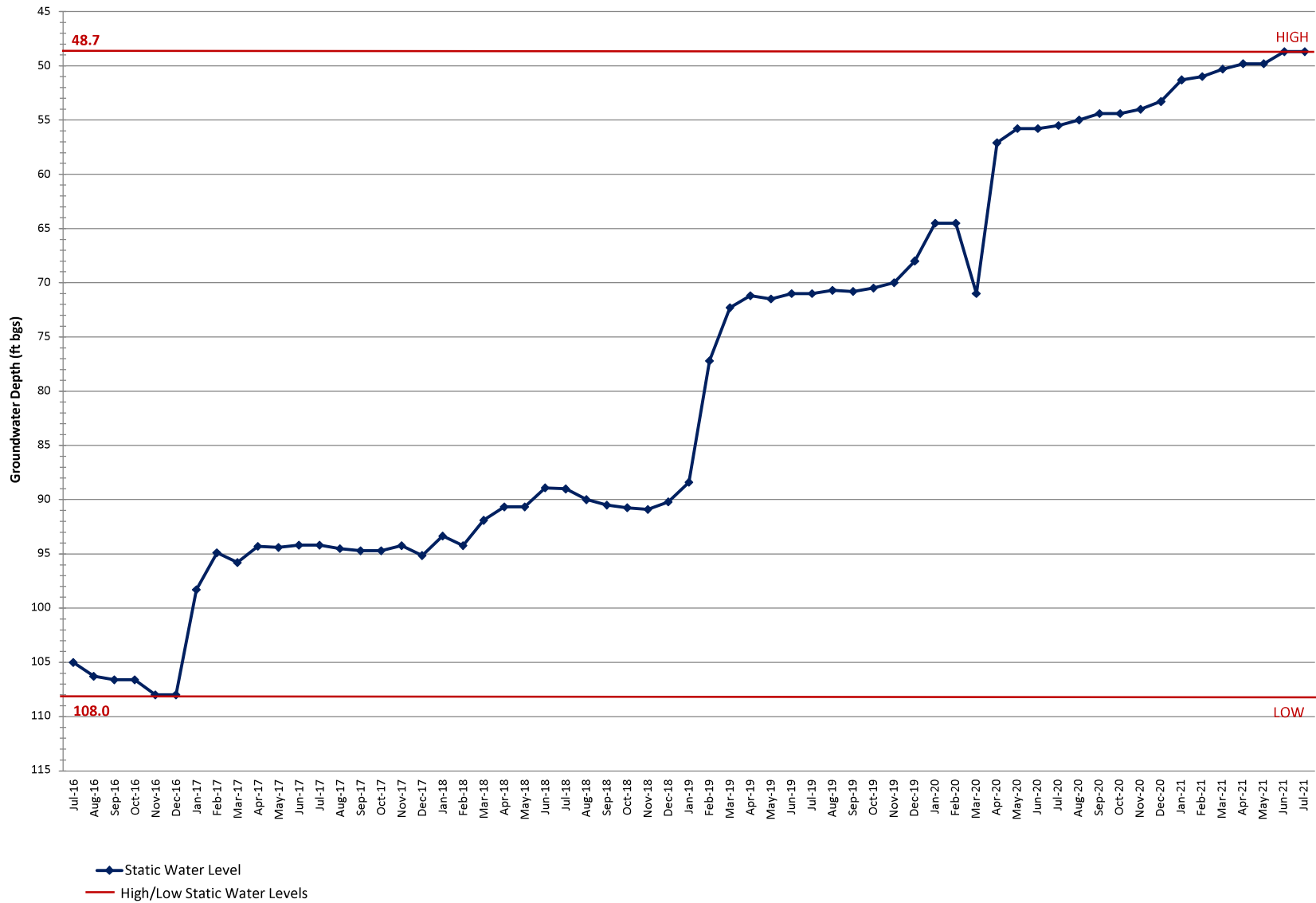




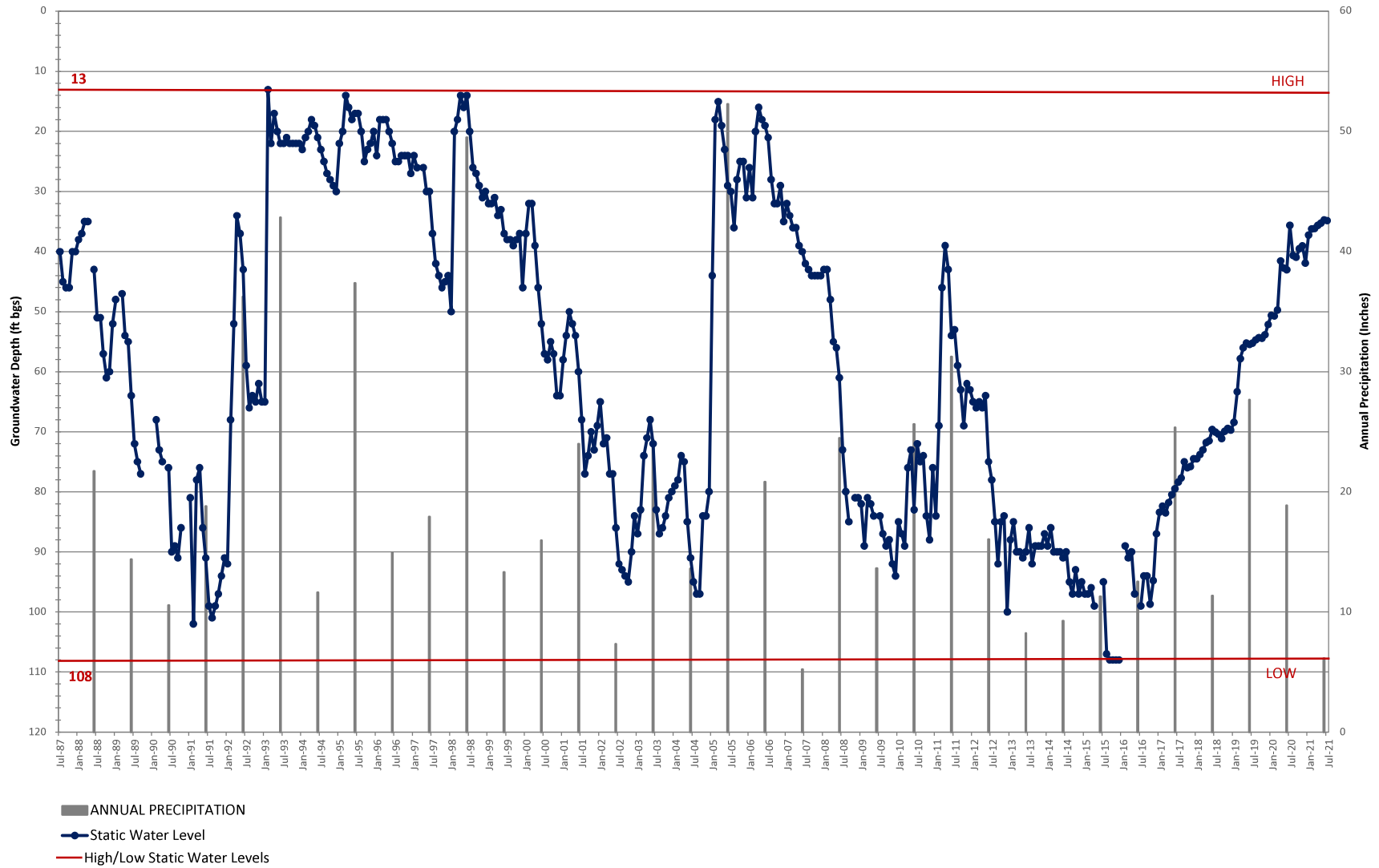
**SCV WATER WELL SANTA CLARA**  
 STATIC WATER LEVEL VS PRECIPITATION



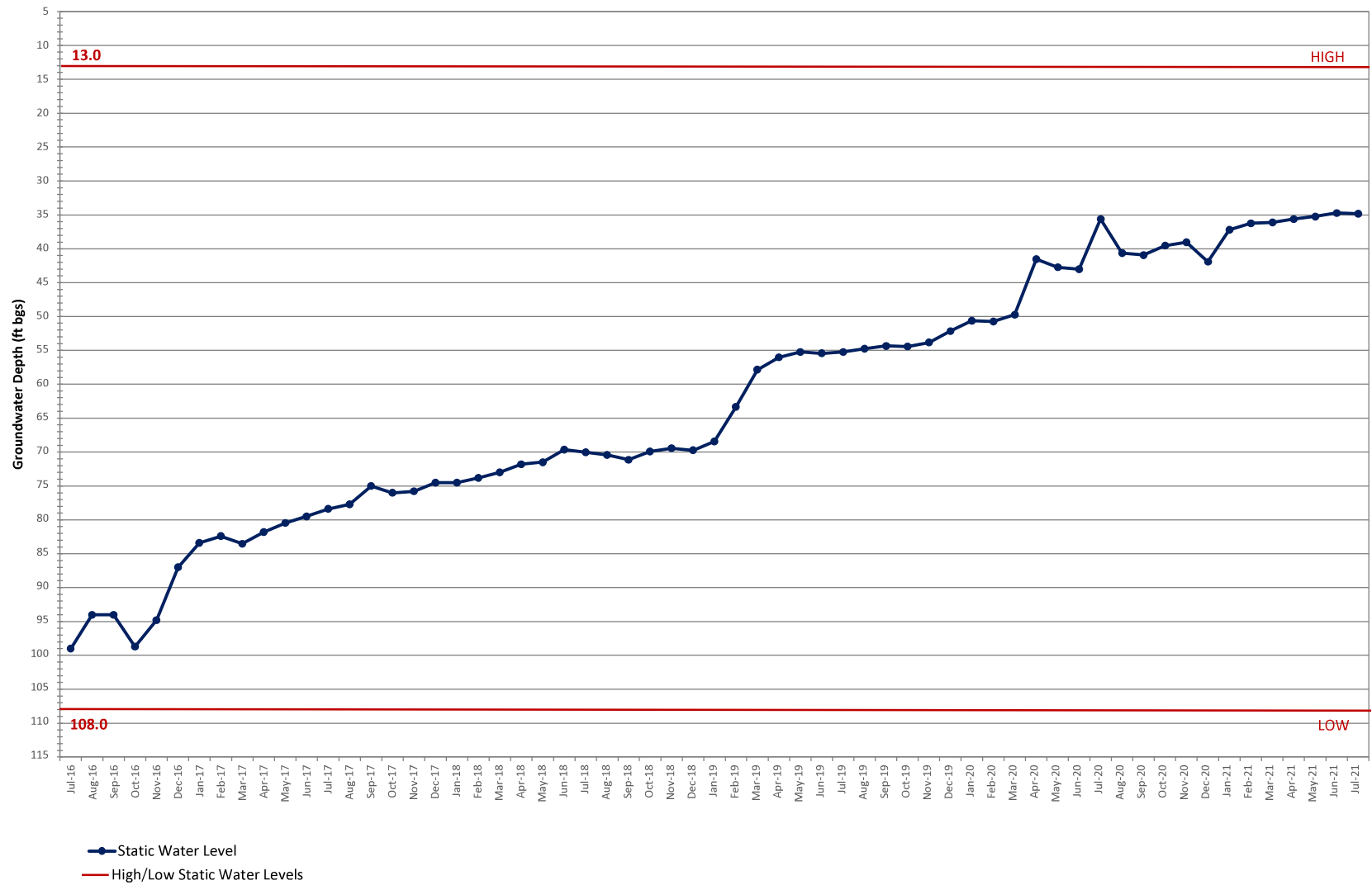
SCV WATER WELL SANTA CLARA  
 STATIC WATER LEVEL



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



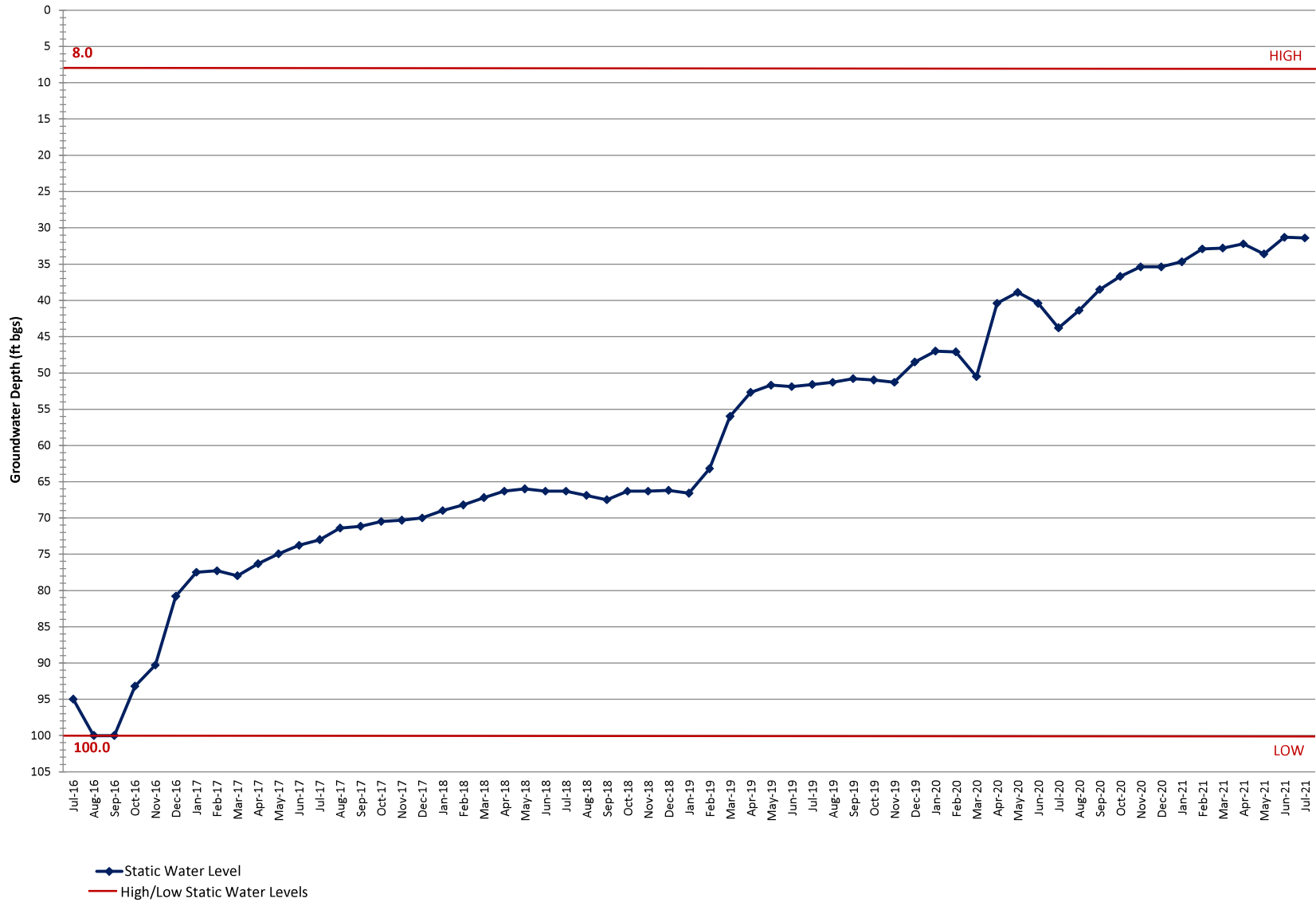
**SCV WATER WELL NORTH OAKS CENTRAL #8**  
**STATIC WATER LEVEL**



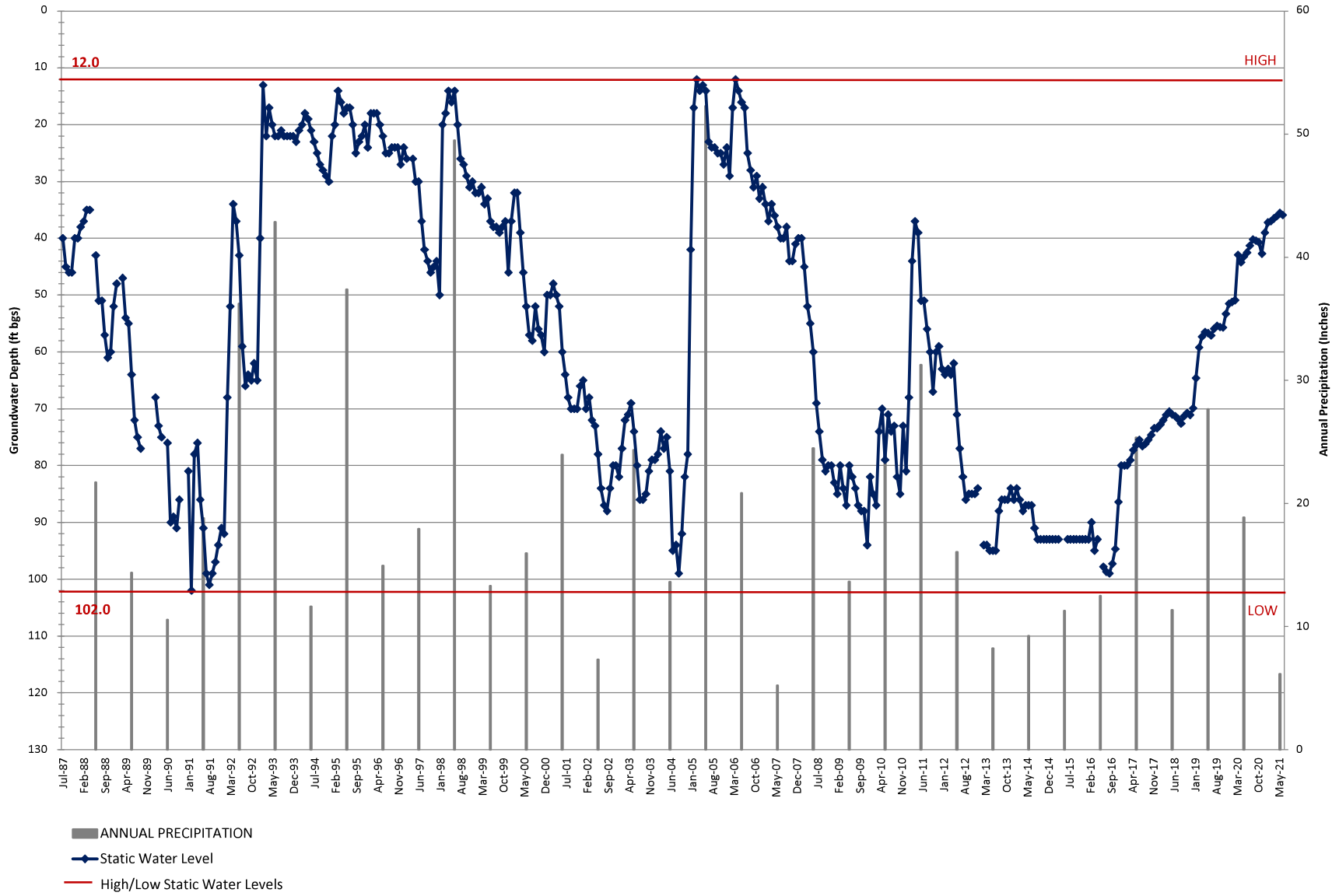
SCV WATER WELL NORTH OAKS WEST #9  
 STATIC WATER LEVEL VS PRECIPITATION



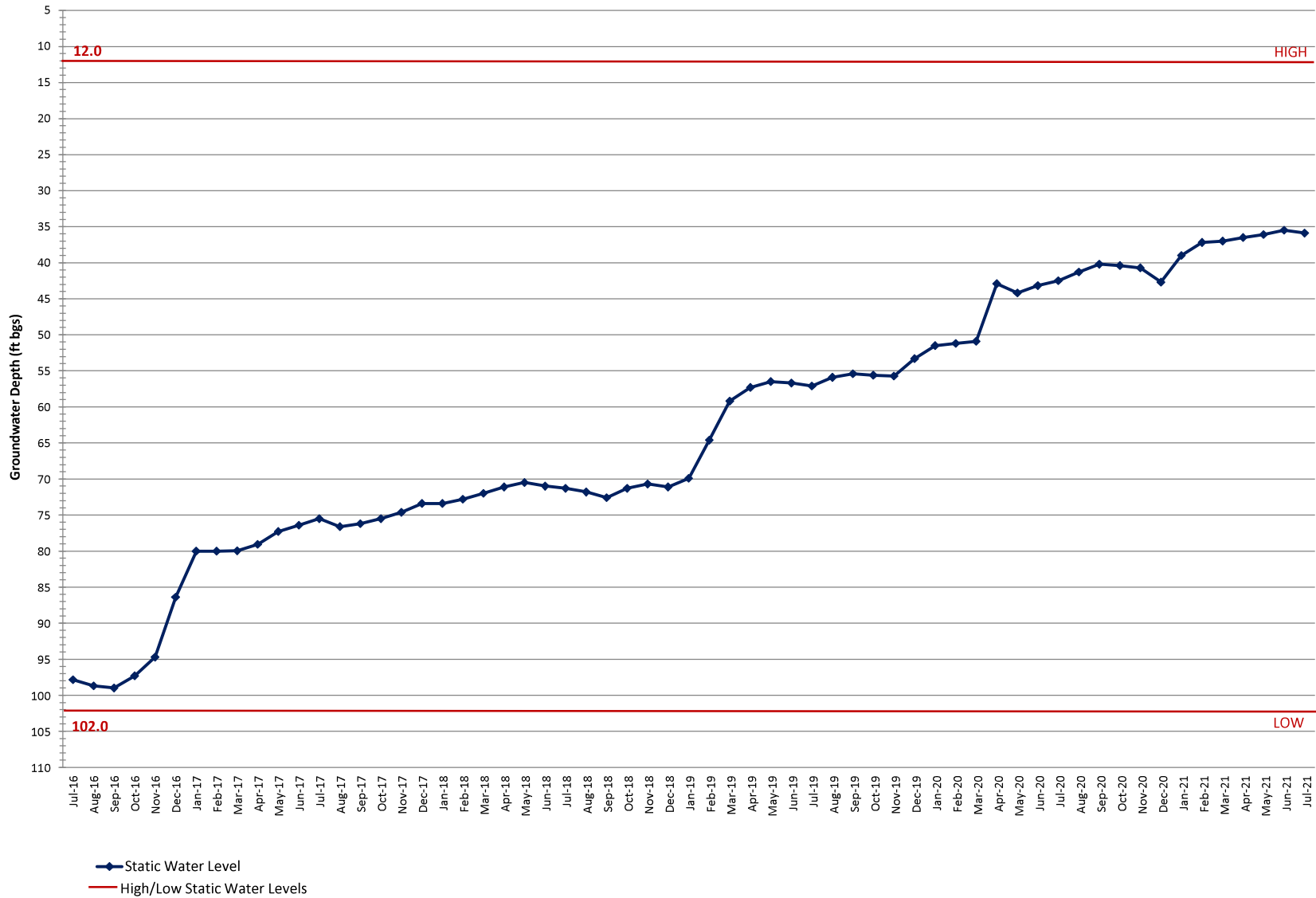
SCV WATER WELL NORTH OAKS WEST #9  
 STATIC WATER LEVEL



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

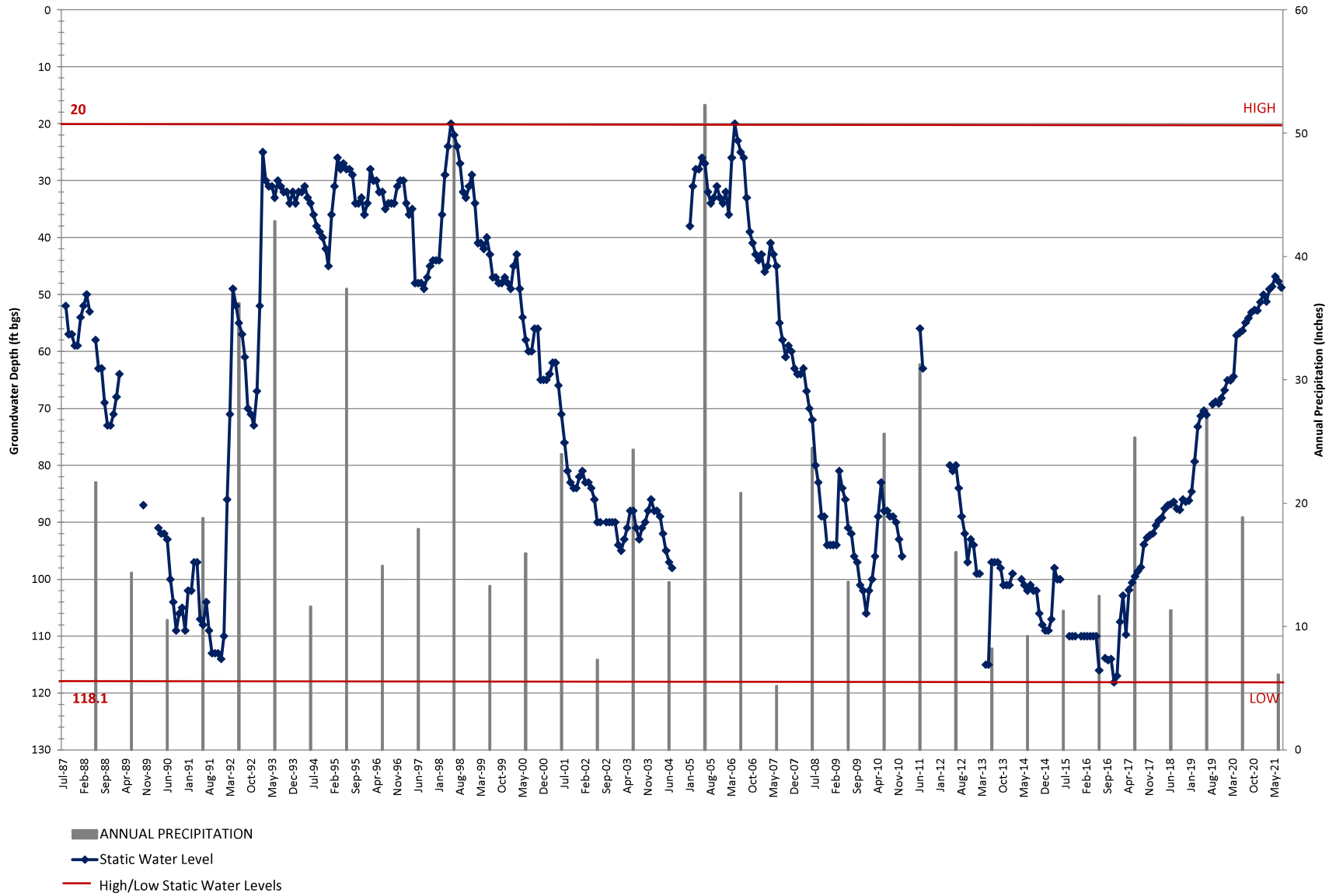


SCV WATER WELL NORTH OAKS EAST #7  
 STATIC WATER LEVEL

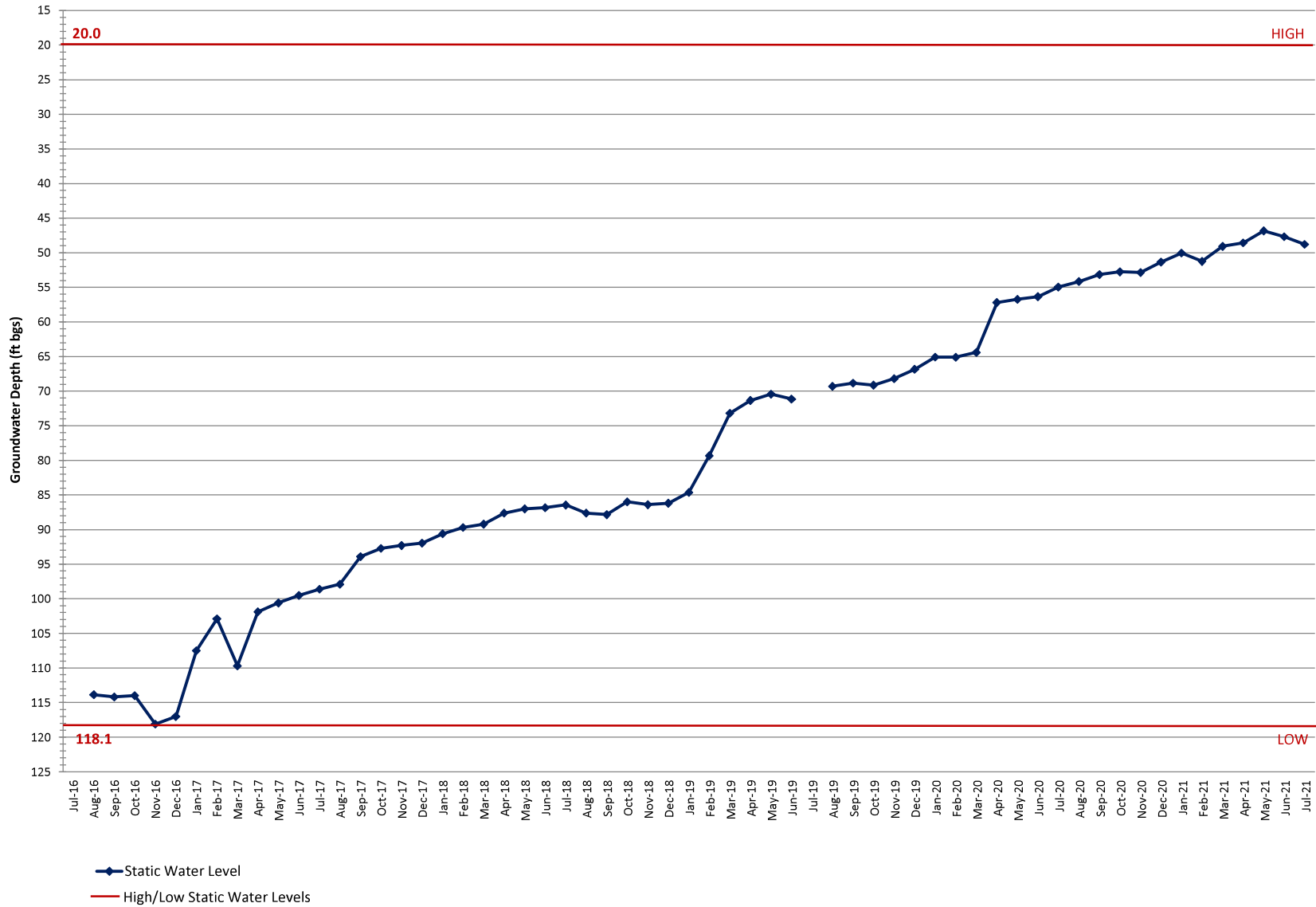




**SCV WATER WELL SIERRA #6**  
 STATIC WATER LEVEL VS PRECIPITATION



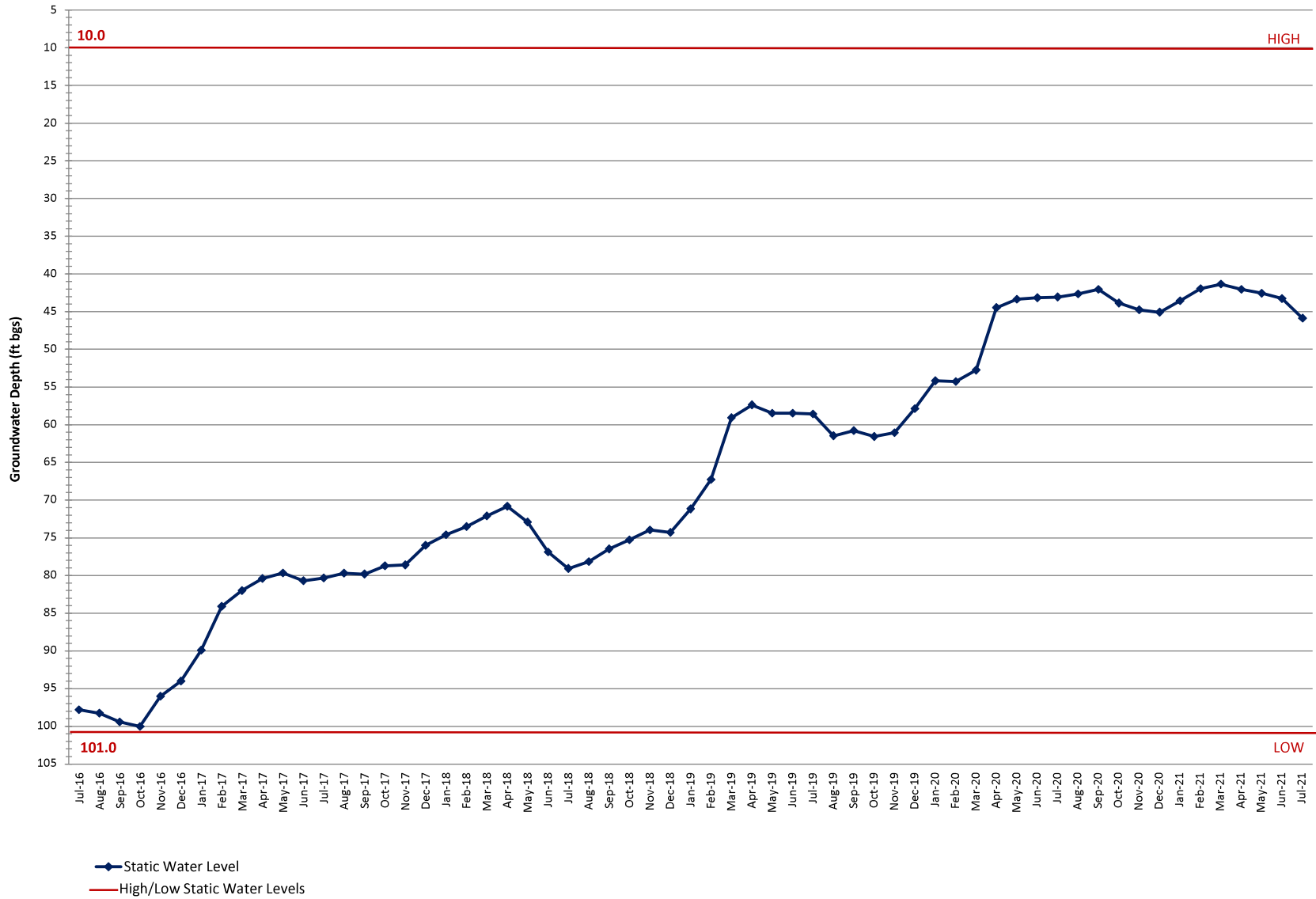
SCV WATER WELL SIERRA #6  
 STATIC WATER LEVEL



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



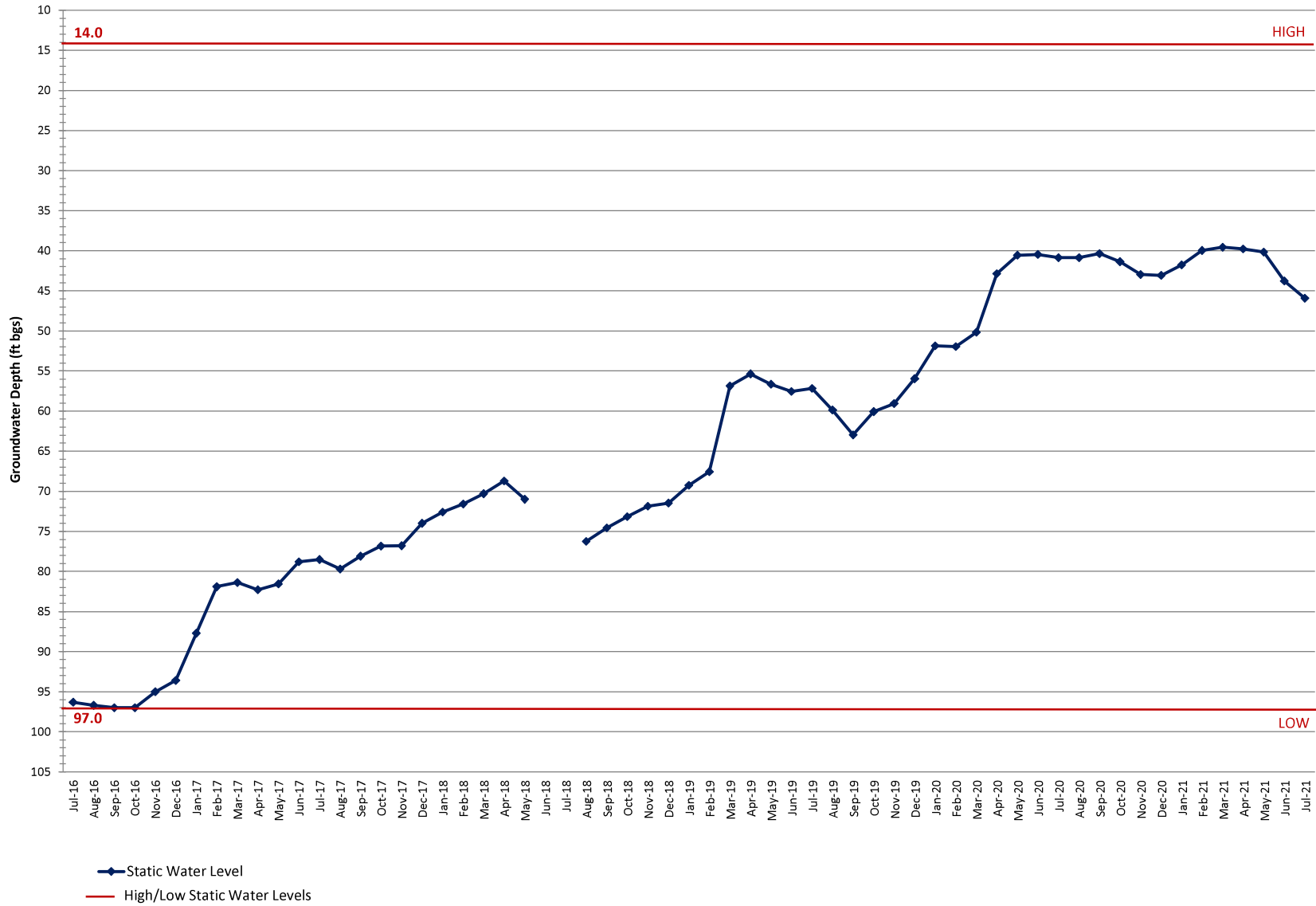
**SCV WATER WELL MITCHELL #5A**  
*STATIC WATER LEVEL*



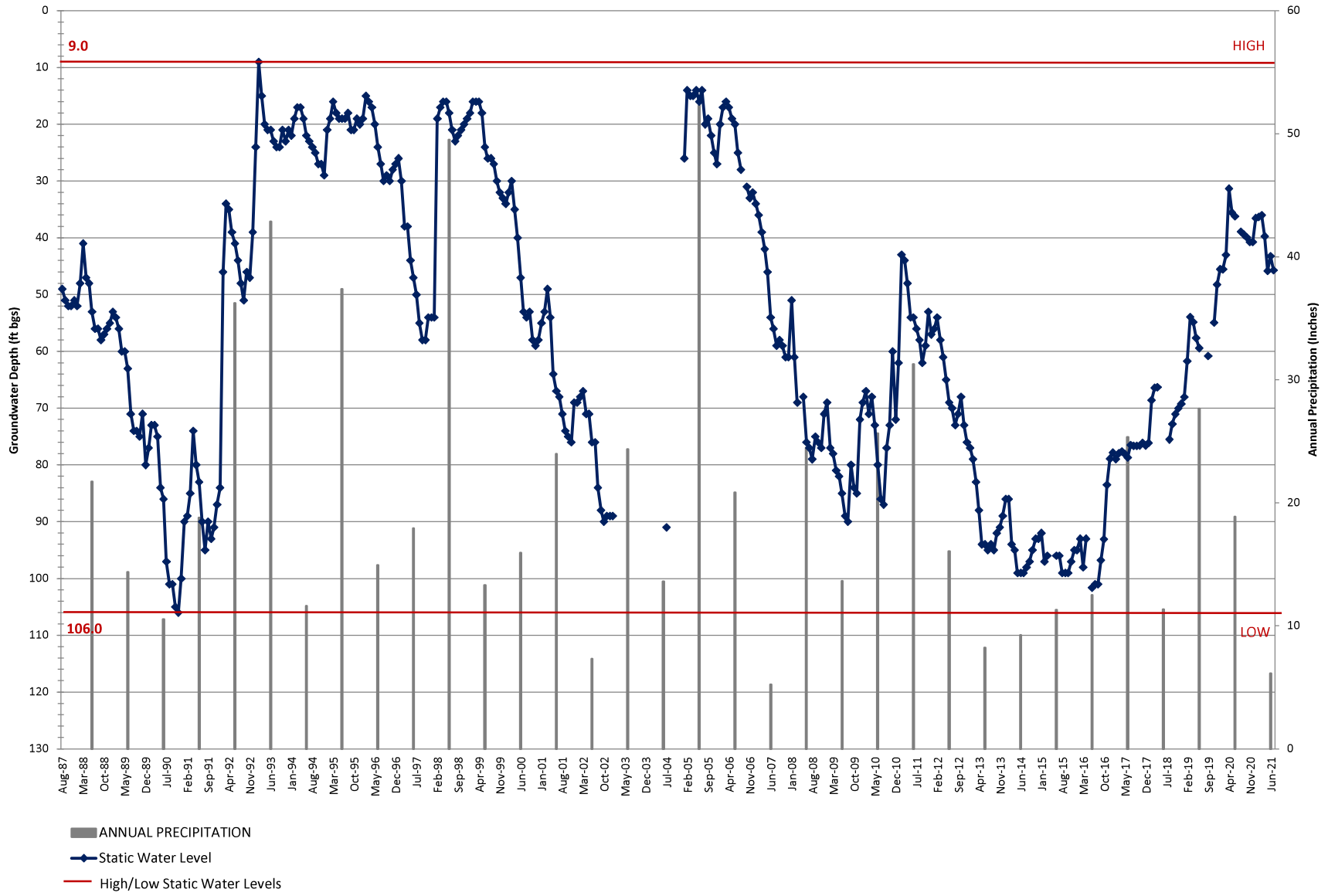
**SCV WATER WELL MITCHELL #5B**  
 STATIC WATER LEVEL VS PRECIPITATION



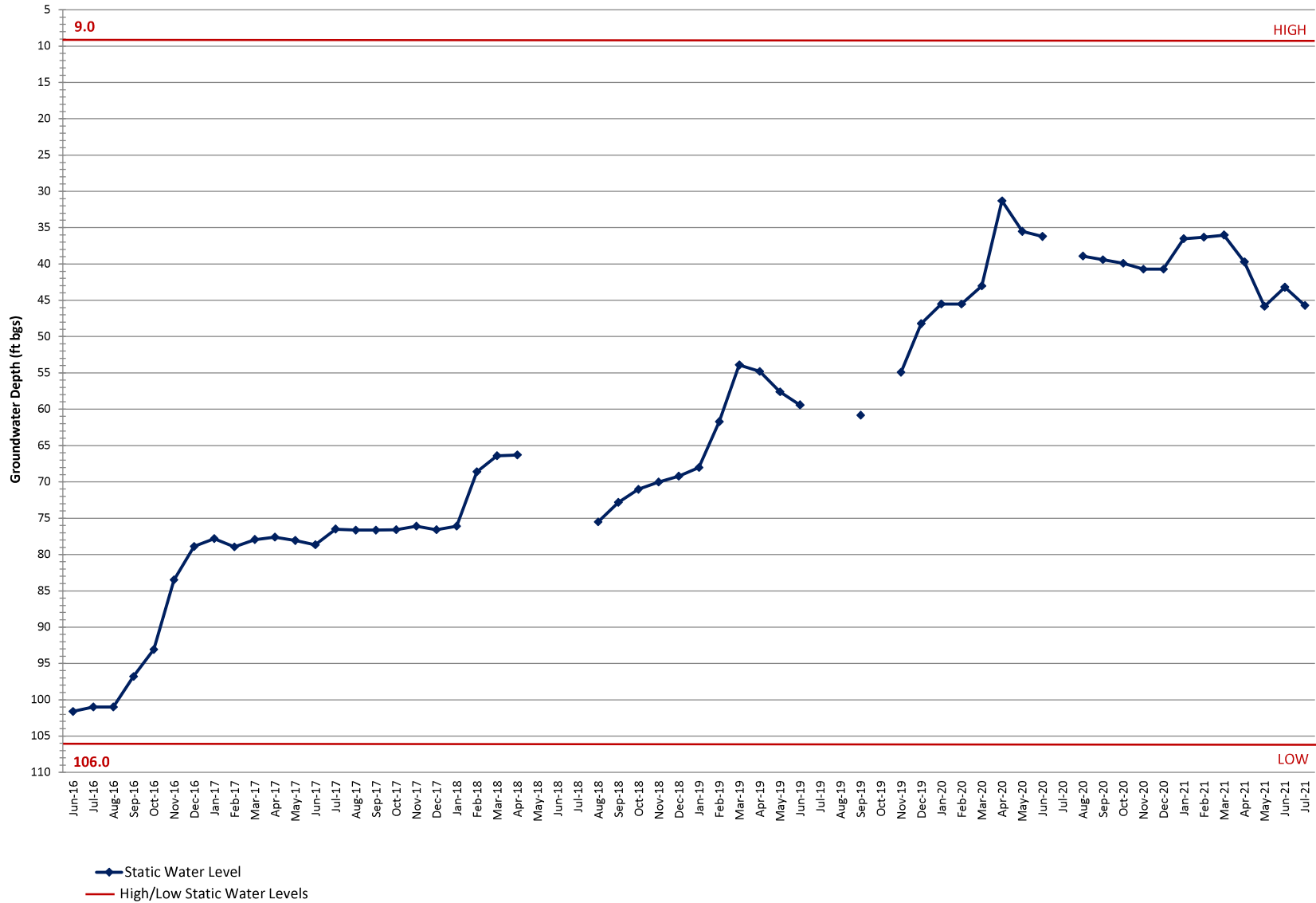
SCV WATER WELL MITCHELL #5B  
 STATIC WATER LEVEL



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

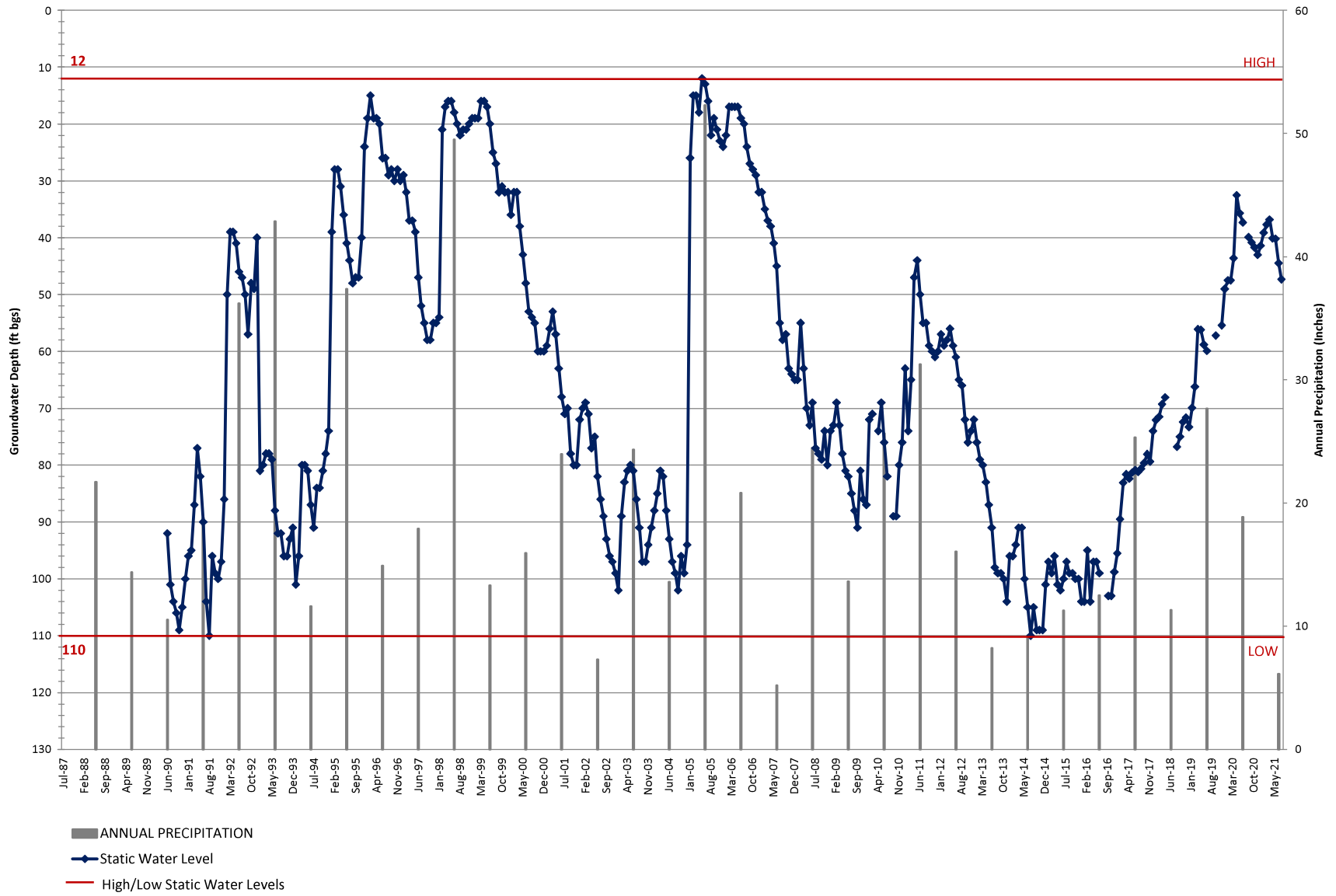


SCV WATER WELL SAND CANYON #3  
 STATIC WATER LEVEL

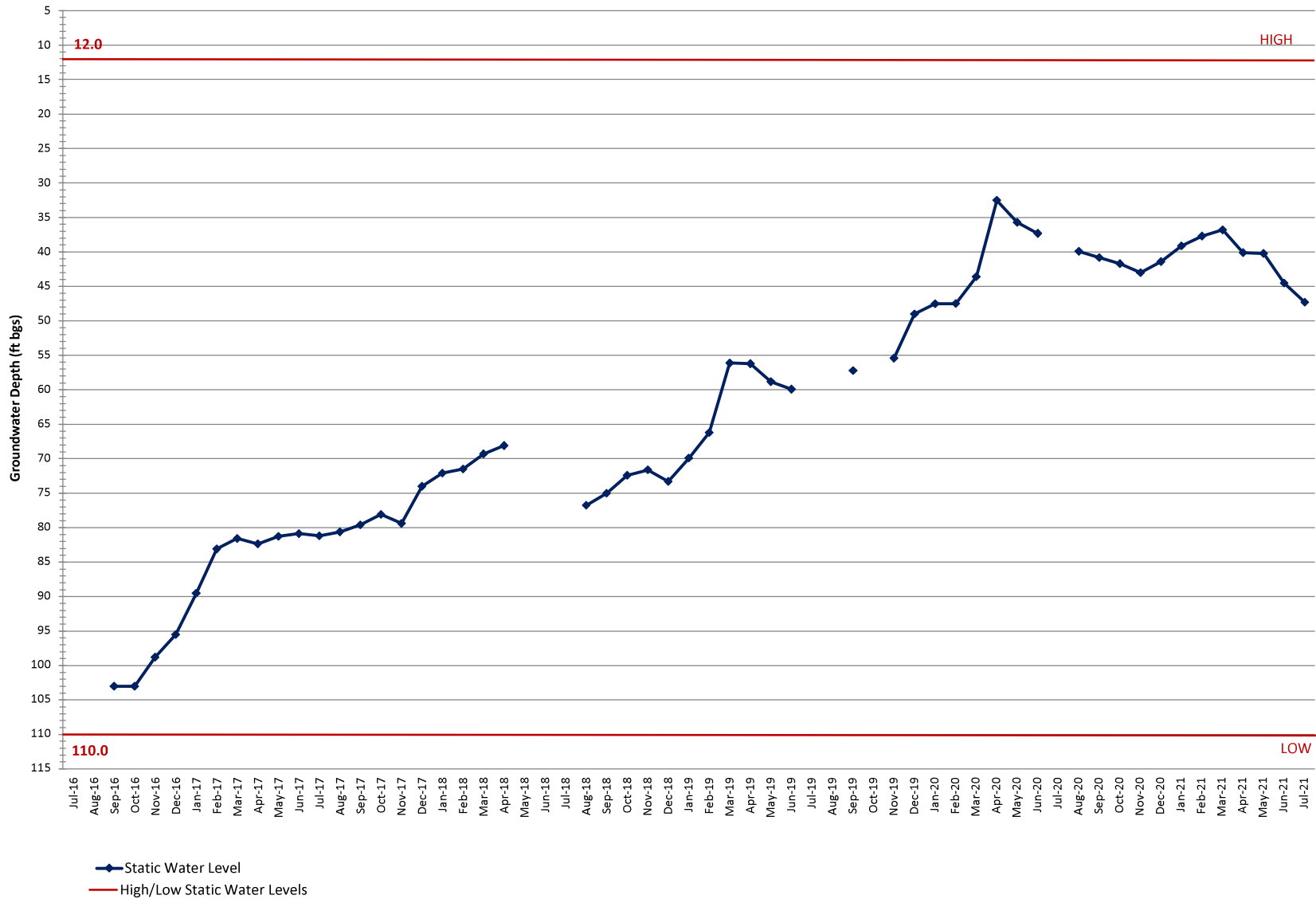




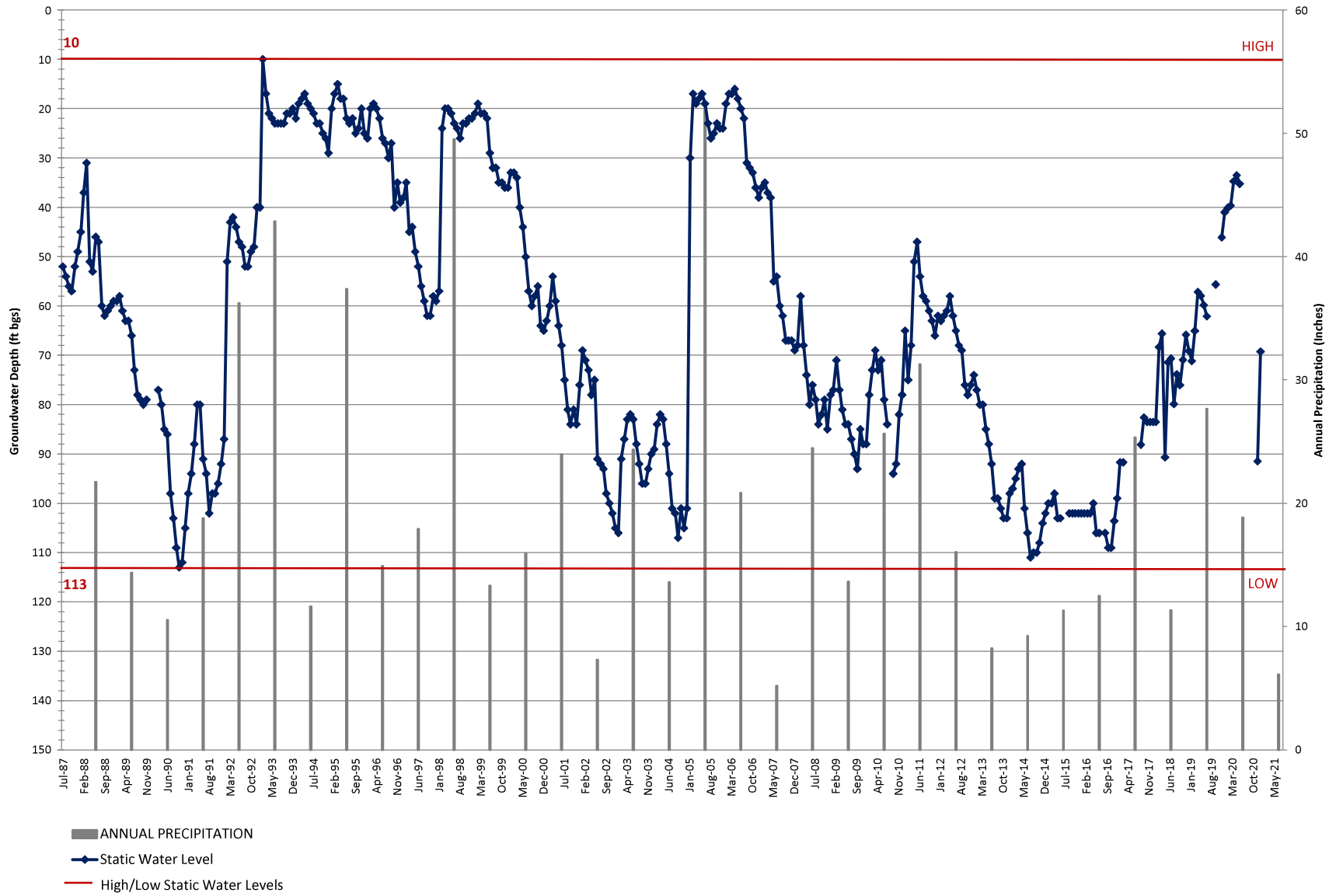
SCV WATER WELL LOST CANYON #2A  
 STATIC WATER LEVEL VS PRECIPITATION



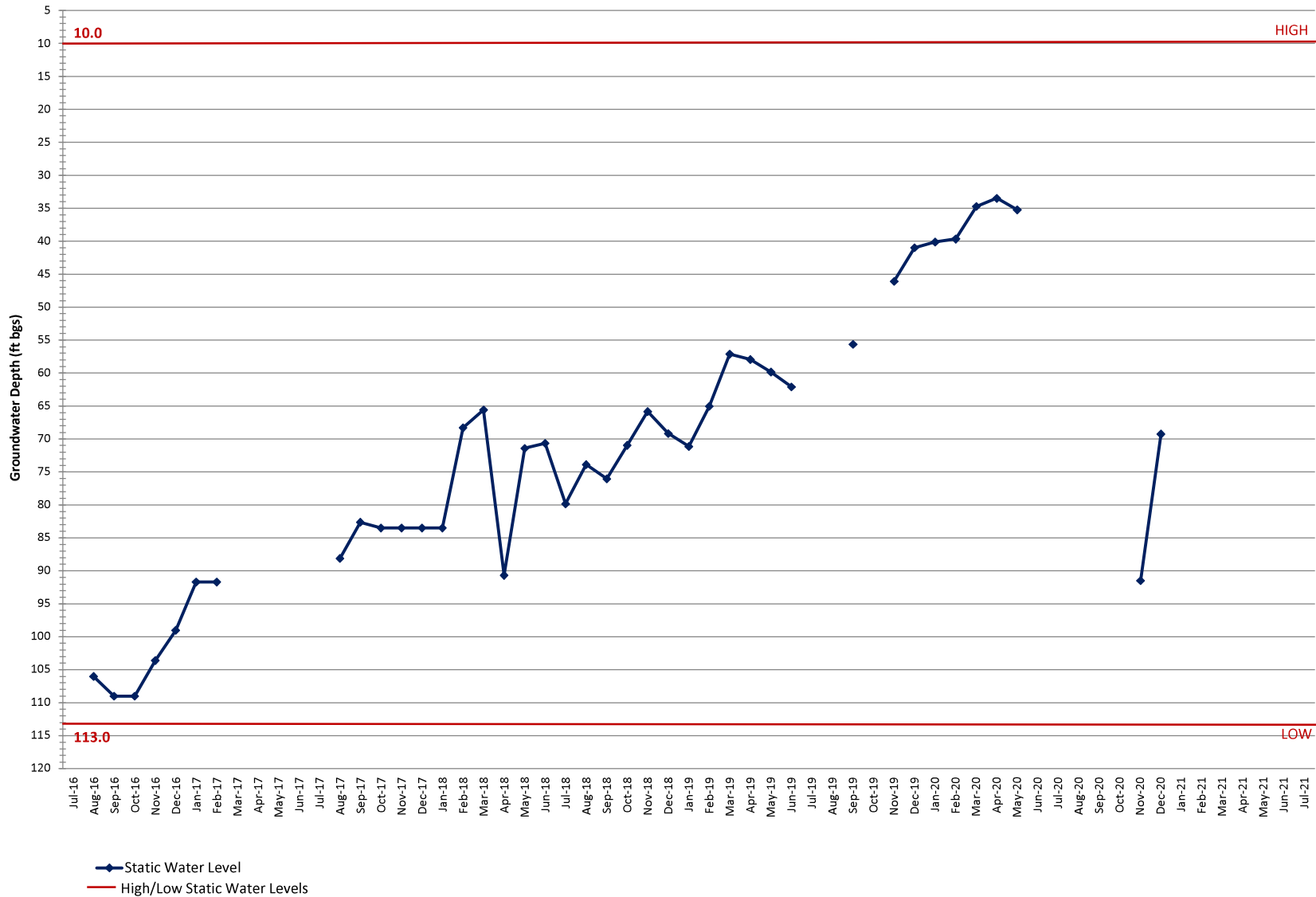
SCV WATER WELL LOST CANYON #2A  
 STATIC WATER LEVEL



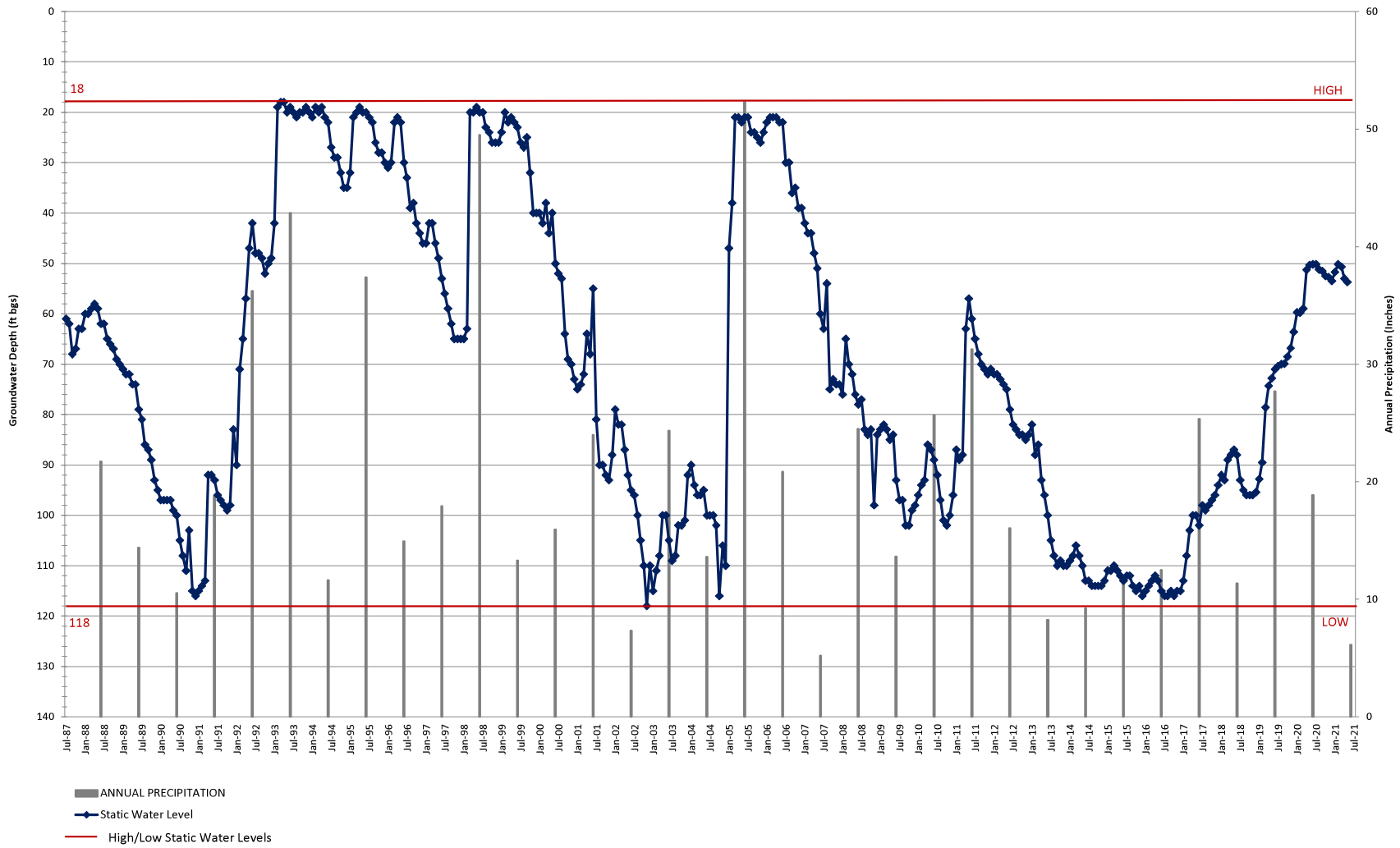
**SCV WATER WELL LOST CANYON #2**  
*STATIC WATER LEVEL VS PRECIPITATION*



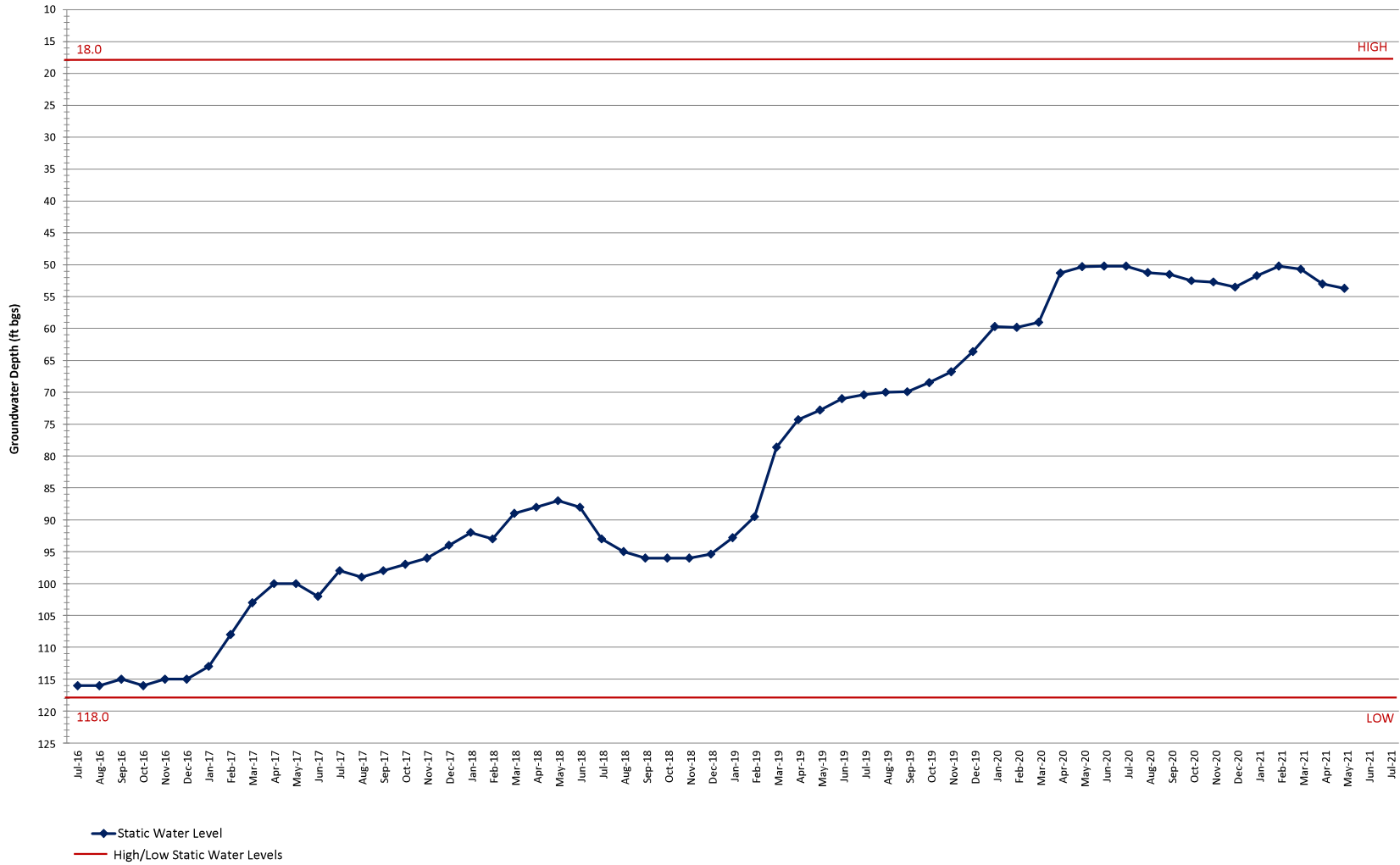
**SCV WATER WELL LOST CANYON #2**  
*STATIC WATER LEVEL*



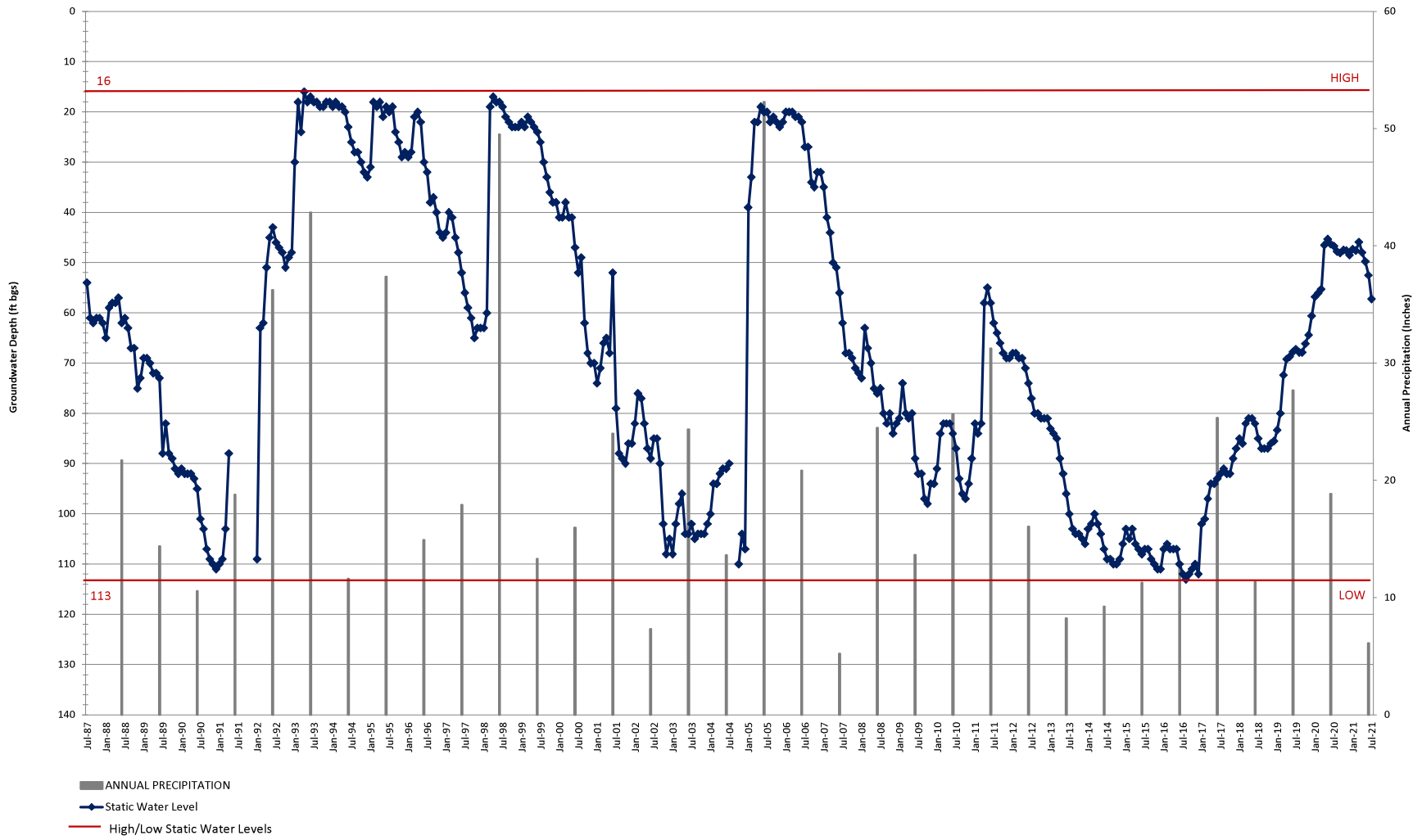
**SCV WATER WELL P3**  
 STATIC WATER LEVEL VS PRECIPITATION



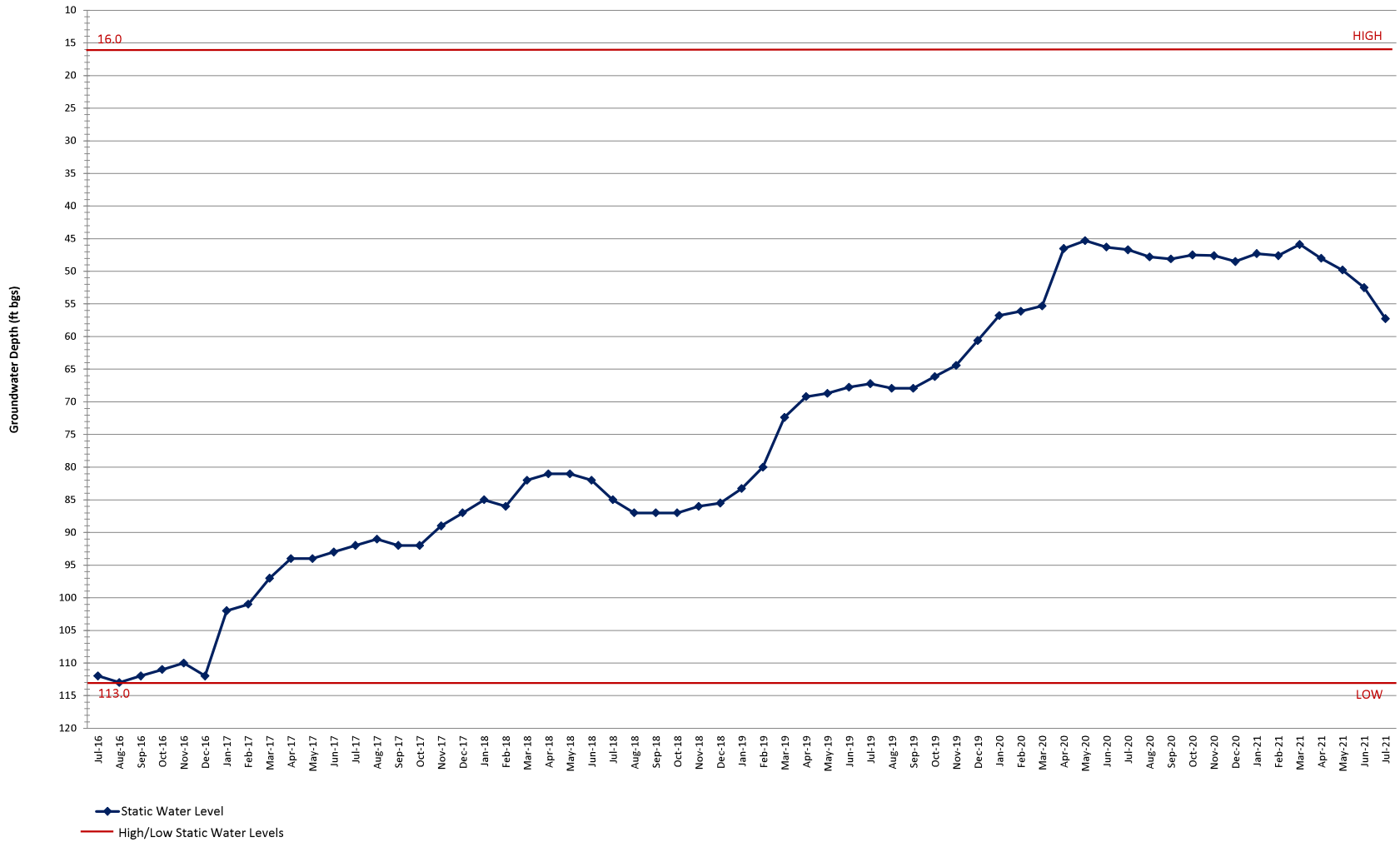
SCV WATER WELL P3  
 STATIC WATER LEVEL



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

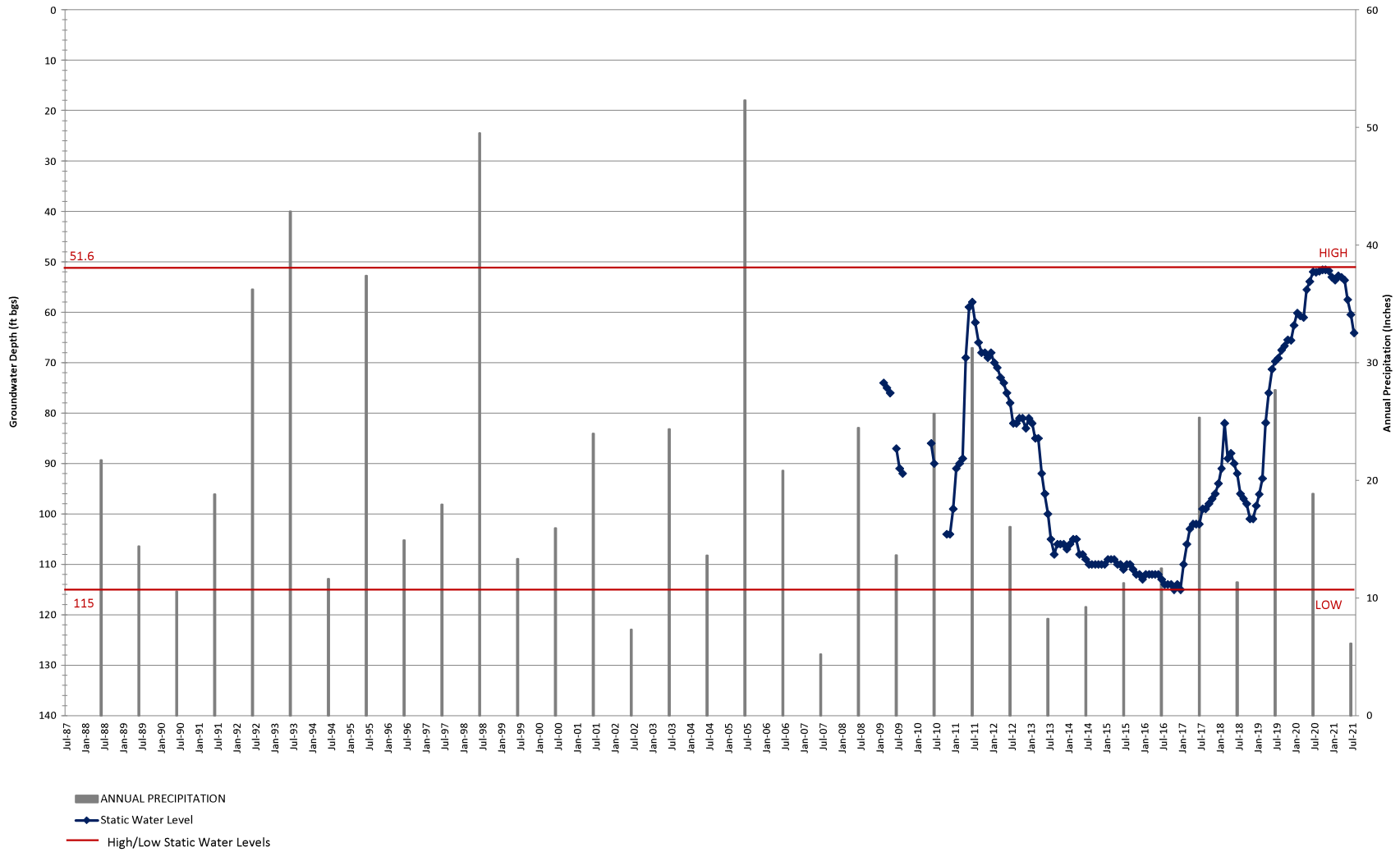


SCV WATER WELL P4  
 STATIC WATER LEVEL

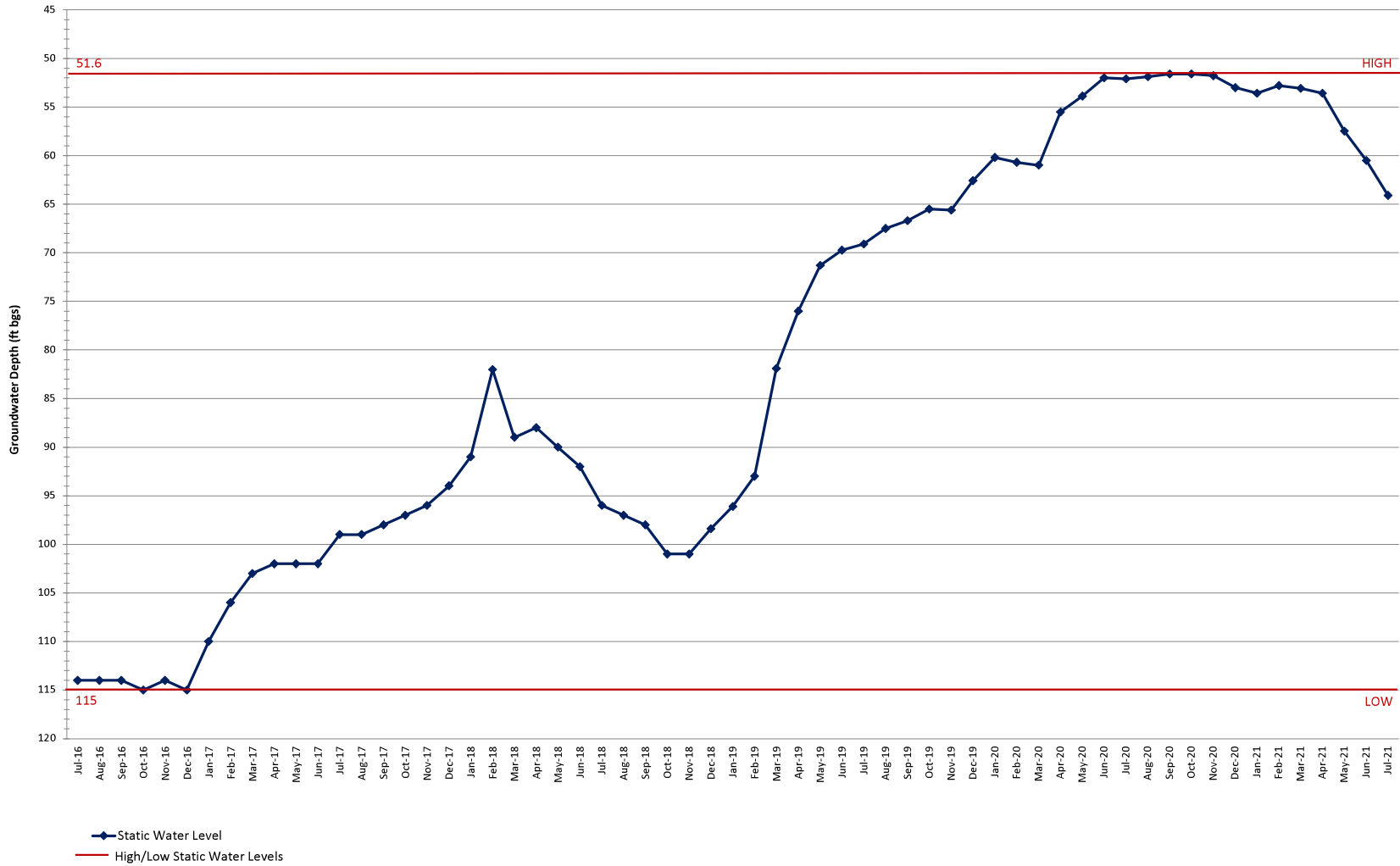




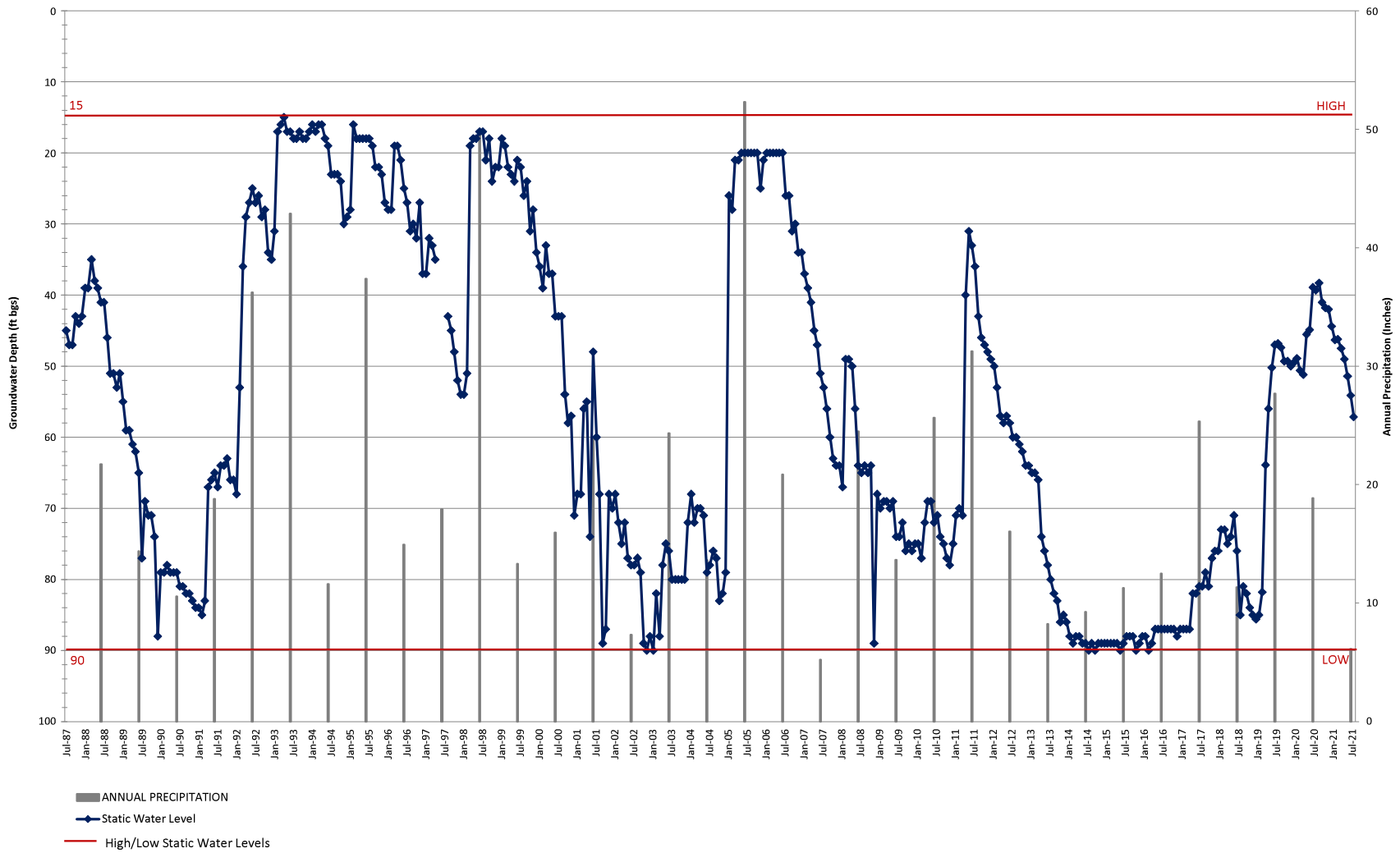
**SCV WATER WELL P5**  
**STATIC WATER LEVEL VS PRECIPITATION**



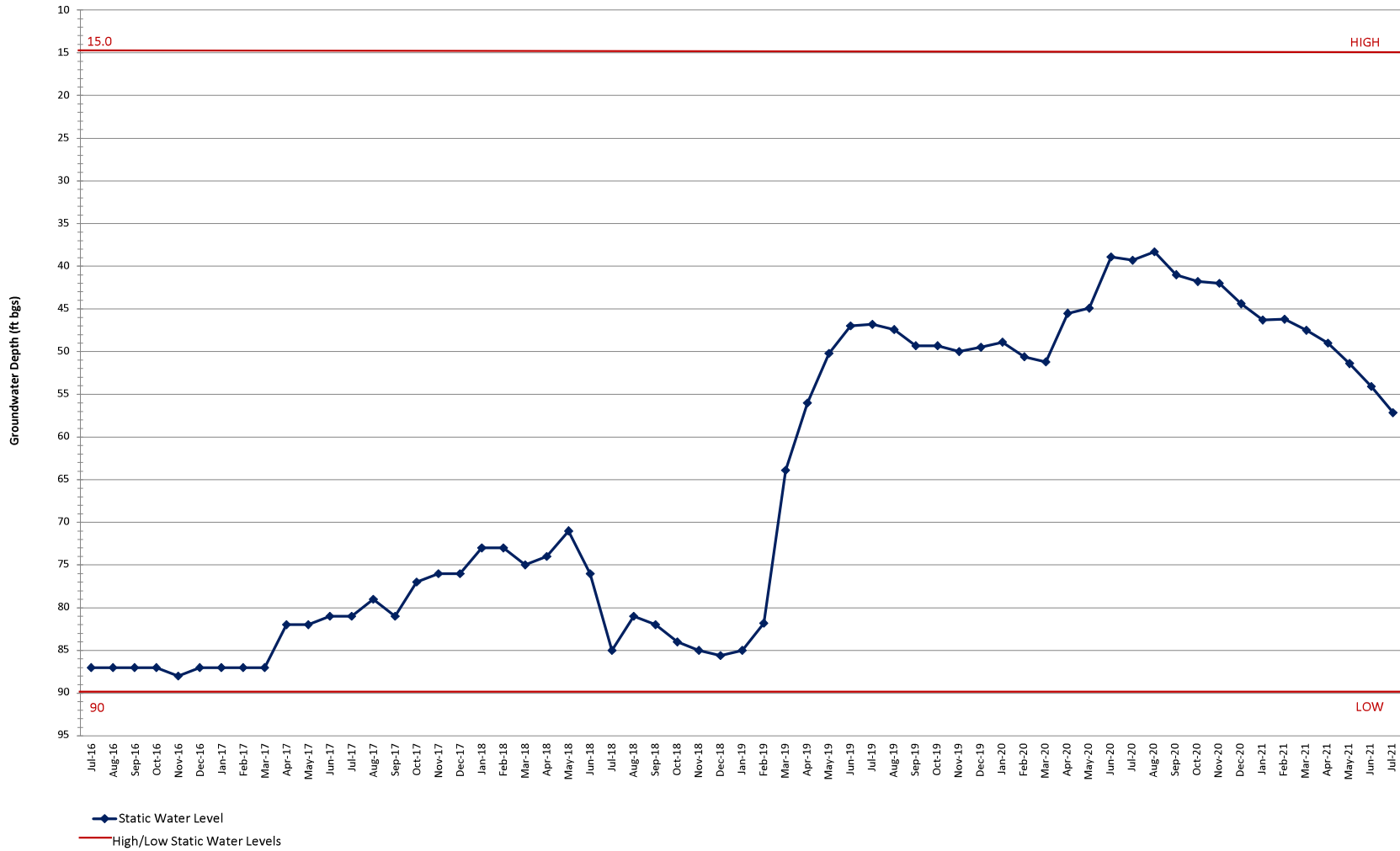
SCV WATER WELL P5  
STATIC WATER LEVEL



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



SCV WATER WELL P1  
 STATIC WATER LEVEL



**Santa Clarita Valley Water Agency  
Capital Improvement Projects (CIP) Construction Status Report  
As of August 15, 2021**

Project	Contractor	Original Contract Amount	Change Orders to Date	% Change Orders	Current Contract Amount	Scheduled Completion	Estimated % of Work Completed	Status
Commerce Center Drive Pipeline	FivePoint / Blois Construction, Inc.	\$891,139.70	\$0	0%	\$891,139.70	September 30, 2021	96%	Construction is in progress.
Vista Canyon Recycled Water Main Extension (Phase 2B)	Ferreira Construction Co, Inc.	\$2,752,982	(\$168,872)	(6.1%)	\$2,584,110	October 30, 2021	85%	Pipelines have been installed in roadways. Contractor to install pipeline across Lost Canyon bridge in September.
Magic Mountain Pipeline Phase 4	FivePoint / Toro Enterprises	\$3,084,725	\$307,520.07	9.97%	\$3,392,245.07	November 1, 2021	90%	Construction is in progress.
Magic Mountain Pipeline Phase 5	FivePoint / Toro Enterprises	\$3,269,978.85	\$0	0%	\$3,269,978.85	November 1, 2021	90%	Construction is in progress.
Magic Mountain Pipeline Phase 6A	FivePoint / Toro Enterprises	\$7,168,844.85	\$0	0%	\$7,168,844.85	December 31, 2021	60%	Construction is in progress.
Magic Mountain Pipeline Phase 6B	FivePoint / Leatherwood Construction	\$4,568,687.07	\$0	0%	\$4,568,687.07	December 31, 2021	60%	Construction is in progress.
Valley Center Well PFAS Groundwater Treatment Improvements Material Purchase	Evoqua Water Technologies, LLC.	\$512,802	\$0	0%	\$512,802	February 1, 2022	70%	Material coating is in progress.
Valley Center Well PFAS Groundwater Treatment Improvements Site Construction	GSE Construction Company, Inc.	\$2,996,800	\$0	0%	\$2,996,800	February 1, 2022	30%	Construction is in progress.
Vista Canyon (Phase 2B) Recycled Water Tanks	Pacific Tank and Construction, Inc.	\$3,906,870	\$354,818.95 0	9.08%	\$4,261,688.95	March 1, 2022	20%	Construction is in progress. Grading Completed. Tank foundations complete.

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**Engineering and Operations Committee  
Planning Calendar  
FY 2021/22**

**ITEM NO.  
5**

	Item	Jul 1 Comm	Aug 3 Board	Aug 5 Comm	Aug 17 Board	Sep 2 Comm	Sep 7 Board	Oct 5 Board	Oct 7 Comm	Nov 2 Board	Nov 4 Comm	Dec 7 Board	Dec 9 Comm	Jan 4 Board	Jan 6 Comm	Feb 1 Board	Feb 3 Comm	Mar 1 Board	Mar 3 Comm	Apr 5 Board	Apr 7 Comm	May 3 Board	May 12 Comm	Jun 2 Comm	Jun 7 Board	Jul 5 Board
1	Monthly Committee Planning Calendar	C		C		P			P		P		P		P		P		P		P		P		P	
2	CIP Construction Status Report	C		C		P			P		P		P		P		P		P		P		P		P	
3	Monthly Operations and Production Report	C		C		P			P		P		P		P		P		P		P		P		P	
4	Third Party Funded Agreements Quarterly Report			C							P						P						P			
5	Quarterly Safety Program Presentation			C							P						P						P			
6	Annual Safety Program Update (FY 20-21)						P																			
7	Recommend Approval to Authorize General Manager to Execute Reimbursement Agreement with City of Santa Clarita for Eligible Portions of Golden Valley Pipeline to New Sheriff Station	C	C																							
8	Recommend Approval of a Resolution Awarding a Purchase Order for Additional Final Design Services for Phase 2C South End Recycled Water Main Extension	C	C																							
9	Recommend Approval of Decoro Drive Pavement Repair			C	C																					
10	Recommend Approval of Purchase of IX Resin for the N Wells PFAS Treatment System			C	C																					
11	Approve a Resolution Authorizing Santa Clarita Valley Water Agency to Provide Water Quality Laboratory Testing Services to the State of California Department of Water Resources		C																							
12	Recommend Approval of a Three-Year Annual Service Contract for the Liquid Chromatography Tandem Mass Spectrometer (LCMSMS)					P		P																		
13	Recommend Adopting a Resolution Authorizing SCV Water to Apply for Funding from the Drinking Water State Revolving Fund (DWSRF) and to Execute a Financing Agreement for Groundwater Treatment Projects with the State Water Resources Control Board								P	P																
14	Recommend Approval of Construction of Castaic Well 1 Drain Line								P	P																
15	Recommend Approval of a Purchase Order for the Final Design of the T7, U4 and U6 PFAS Treatment System, Saugus 1 and Saugus 2 VOC Treatment System and Disinfection Facility at the Rio Vista Intake Pump Station.								P	P																
16	Recommend Approval of Resolution Authorizing SCV Water to Execute Water Service Agreements for Los Angeles Residential Community and Lily of the Valley								P	P																
17	Recommend Approval of Resolution Awarding Construction Contract for ESFP Standby Generator								P	P																
18	Recommend Approval of Resolution to Execute Consolidation Funding Agreement with the State Water Resources Control Board for the Los Angeles Residential Community and Lily of the Valley Mobile Village										P	P														
19	Recommend Approval of Resolution Awarding a Purchase Order for Final Design Services for Well 205 Groundwater Treatment Improvements										P	P														

C = Completed Item  
P = Planned Item

**Engineering and Operations Committee  
Planning Calendar  
FY 2021/22**

	Item	Jul 1 Comm	Aug 3 Board	Aug 5 Comm	Aug 17 Board	Sep 2 Comm	Sep 7 Board	Oct 5 Board	Oct 7 Comm	Nov 2 Board	Nov 4 Comm	Dec 7 Board	Dec 9 Comm	Jan 4 Board	Jan 6 Comm	Feb 1 Board	Feb 3 Comm	Mar 1 Board	Mar 3 Comm	Apr 5 Board	Apr 7 Comm	May 3 Board	May 12 Comm	Jun 2 Comm	Jun 7 Board	Jul 5 Board
20	Recommend Approval of Smyth Drive 14" PVC Replacement										P	P														
21	Recommend Approval of Dickason Drive 14" PVC Replacement										P	P														
22	Recommend Approval of Resolution Awarding Construction Contract for Fairway Tank Interior Recoat										P	P														
23	Recommend Approval of Resolution Awarding Construction Contract for Pipeline to Los Angeles Residential Community												P	P												
24	Recommend Approval of Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for Saugus Wells 3 & 4 - Wells Construction												P	P												
25	Recommend Approval of Resolution Awarding Construction Contract and Purchase Order for Construction Management and Inspection Services for Newhall Tanks 1 and 1A Stair Retrofit												P	P												
26	Recommend Approval of Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for ESFP Washwater Return and Sludge Systems Project												P	P												
27	Recommend Approval of Resolution Awarding a Purchase Order for Final Design Services for Magic Mountain Pump Station														P	P										
28	Recommend Approval of Resolution Awarding a Purchase Order for Final Design Services for Magic Mountain Reservoir														P	P										
29	Recommend Approval of Abdale, Maplebay and Beachgrove Pipeline Replacement														P	P										
30	Recommend Approval of Resolution Awarding Construction Contract for Commerce Center Tanks 1 and 2 Exterior Recoat														P	P										
31	Recommend Approval of Design of Pipeline in Sierra Highway from Dockweiler to Newhall Avenue																P	P								
32	Recommend Approval of Construction of New Sand Canyon Plaza (Deane Zone) Pump Station and Cost Sharing Agreement with Developer																P	P								
33	Recommend Approval of Construction of a New Skyline Ranch (Deane Zone) Pump Station and Cost Sharing Agreement with Developer																	P	P							
34	Recommend Approval of Construction of New Skyline Ranch 2.1 MG Tanks (Deane Zone) and Cost Sharing Agreement with Developer																	P	P							
35	Recommend Approval of Resolution Awarding a Purchase Order for Final Design Services for Well 201 Groundwater Treatment Improvements																	P	P							
36	Cell Sites Program Presentation																	P								

C = Completed Item  
P = Planned Item



**Engineering and Operations Committee  
Planning Calendar  
FY 2021/22**

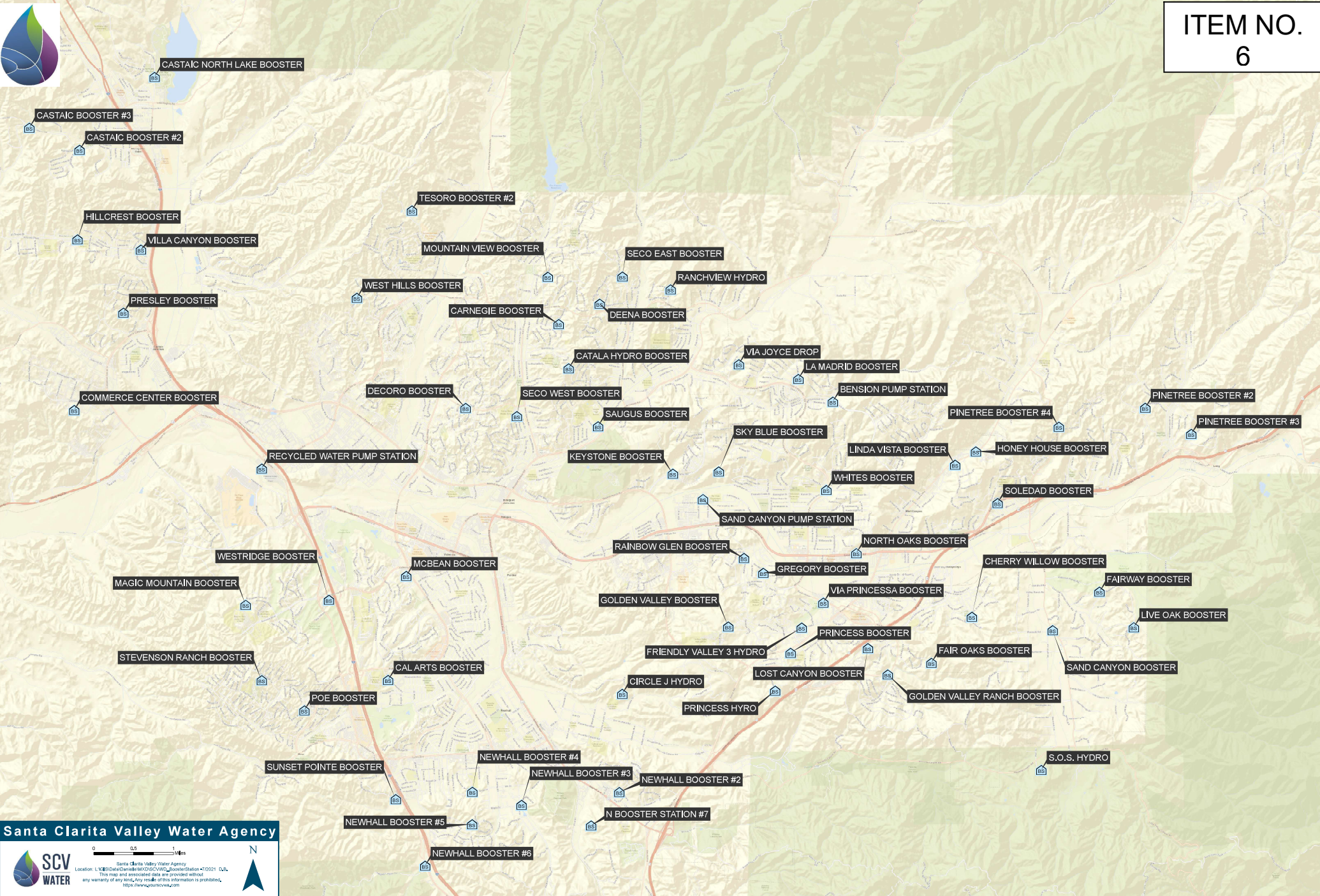
	Item	Jul 1 Comm	Aug 3 Board	Aug 5 Comm	Aug 17 Board	Sep 2 Comm	Sep 7 Board	Oct 5 Board	Oct 7 Comm	Nov 2 Board	Nov 4 Comm	Dec 7 Board	Dec 9 Comm	Jan 4 Board	Jan 6 Comm	Feb 1 Board	Feb 3 Comm	Mar 1 Board	Mar 3 Comm	Apr 5 Board	Apr 7 Comm	May 3 Board	May 12 Comm	Jun 2 Comm	Jun 7 Board	Jul 5 Board
37	Recommend Approval of Resolution Awarding Material Purchase Contract for Santa Clara and Honby Wells PFAS Groundwater Treatment Improvements																		P	P						
38	Review Proposed FY 2022/23 Major Capital Projects																				P					
39	Recommend Approval of Resolution Awarding a Purchase Order for Final Design Services for Honby Tank Pipeline Improvements																				P	P				
40	Recommend Approval of Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for Recycled Water Fill Station																				P	P				
41	Recommend Approval of Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for Santa Clara and Honby Wells PFAS Groundwater Treatment Improvements																				P	P				
42	Recommend Approval of Construction of New Sand Canyon Plaza 1.5 MG Tank (Deane Zone) and Cost Sharing Agreement with Developer																						P		P	
43	Recommend Approval of Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for Phase 2C South End Recycled Water Main Extension																							P		P
44	Recommend Approval of Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for Valencia Market Place Pipeline Improvements																							P		P

C = Completed Item  
P = Planned Item

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# SCVWA BOOSTER STATIONS

ITEM NO.  
6



**Santa Clarita Valley Water Agency**

Scale: 0 0.5 1 Miles

Location: L:\GIS\Data\Borealis\MXD\SCVWA\_BoosterStation472021.dwg

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