



Date: July 28, 2020

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

From: Keith Abercrombie, Chief Operating Officer 

The **Engineering and Operations Committee** is scheduled to meet via teleconference on **Thursday, August 6, 2020 at 5:30 PM**, dial in information is listed below.

**TELECONFERENCE ONLY
NO PHYSICAL LOCATION FOR MEETING**

TELECONFERCING NOTICE

Pursuant to the provisions of Executive Order N-29-20 issued by Governor Gavin Newsom on March 17, 2020, any Director may call into an Agency Committee meeting using the Agency's **Call-In Number 1-877-309-2073, Access Code 320-660-325, or GoToMeeting by clicking on the link <https://global.gotomeeting.com/join/320660325>** 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 GoToMeeting 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 **egallo@scvwa.org** or mailed to **Elizabeth Gallo, Administrative Analyst**, Santa Clarita Valley Water Agency, 26521 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

<u>ITEM</u>		<u>PAGE</u>
1.	Public Comments – Members of the public may comment as to items not on the Agenda at this time. Members of the public wishing to comment on items covered in this Agenda may do so now or 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. *	Quarterly Safety Presentation	1
3. *	Recommend Approval of Purchase of Liquid Chromatography Tandem Mass Spectrometer (LCMSMS)	11
4. *	Recommend Approval of a Purchase Order to Kennedy/Jenks Consultants for Final Design of the Recycled Water Tank at an Alternate Site for the Recycled Water Vista Canyon (Phase 2B) Project	13
5. *	Recommend Approval for Purchase of Replacement Clarifier Media at Earl Schmidt Filtration Plant	27
6. *	Operations and Production Report	29
7. *	Capital Improvement Projects Construction Status Report	87
8. *	Third Party Funded Agreements Quarterly Report	89
9. *	Committee Planning Calendar	93
10.	General Report on Treatment, Distribution, Operations and Maintenance Services Section Activities	
11.	General Report on Engineering Services Section Activities	
12.	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 Gallo, Administrative Analyst, at (661) 259-2737, 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.

July 28, 2020

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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 July 30, 2020.

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Santa Clarita Valley Water Agency

FY 2019/20 - Q4

April 1, 2020 to June 30, 2020

Engineering and Operations Committee Meeting

August 6, 2020

Mark Passamani
Safety Officer
Jon Wallace
Safety Specialist

Jose Diaz
EPSC

Training Requirements and Accomplishments

FY 2019/20 - Q4
 April 1, 2020 to June 30, 2020

					
<p>NFPA 704 diamond upgrades</p>	<p>Ergonomic Assessment Multiple dates</p>	<p>DOORS LSI fleet submittal</p>	<p>FEMA grants</p>	<p>New Hire Safety Orientation Multiple dates</p>	<p>Online Safety Training Multiple dates</p>

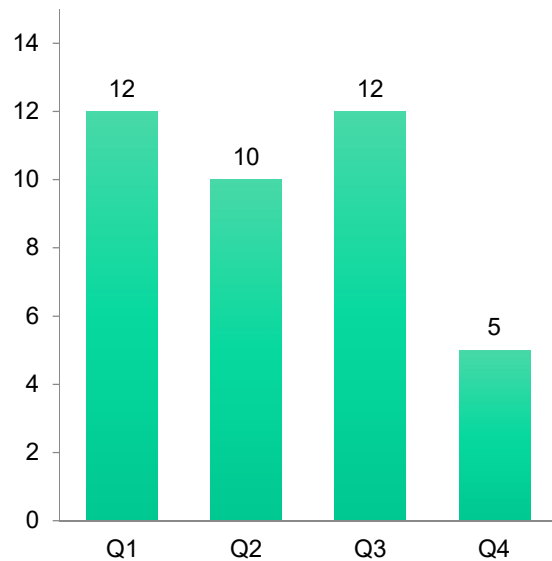


Safety Training Status

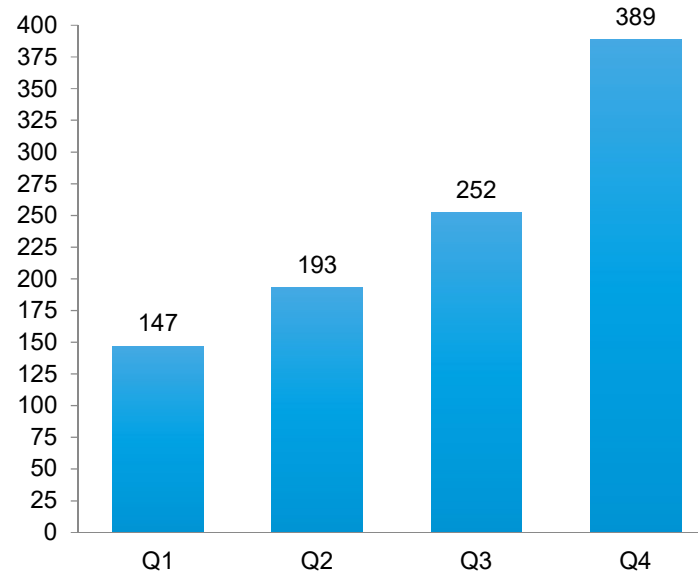
FY 2019/20 - Q4

April 1, 2020 to June 30, 2020

Safety Training Classes Held



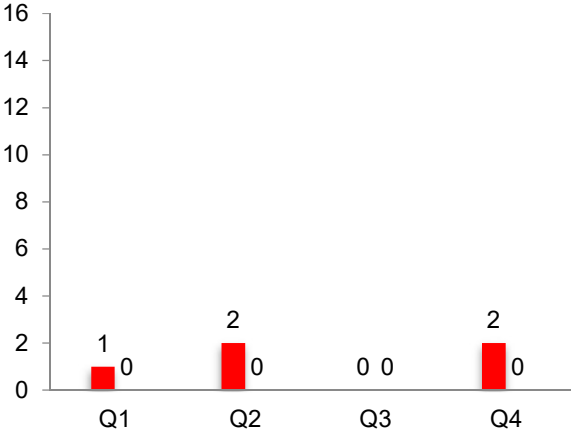
Number of Employees Trained



Incident Data

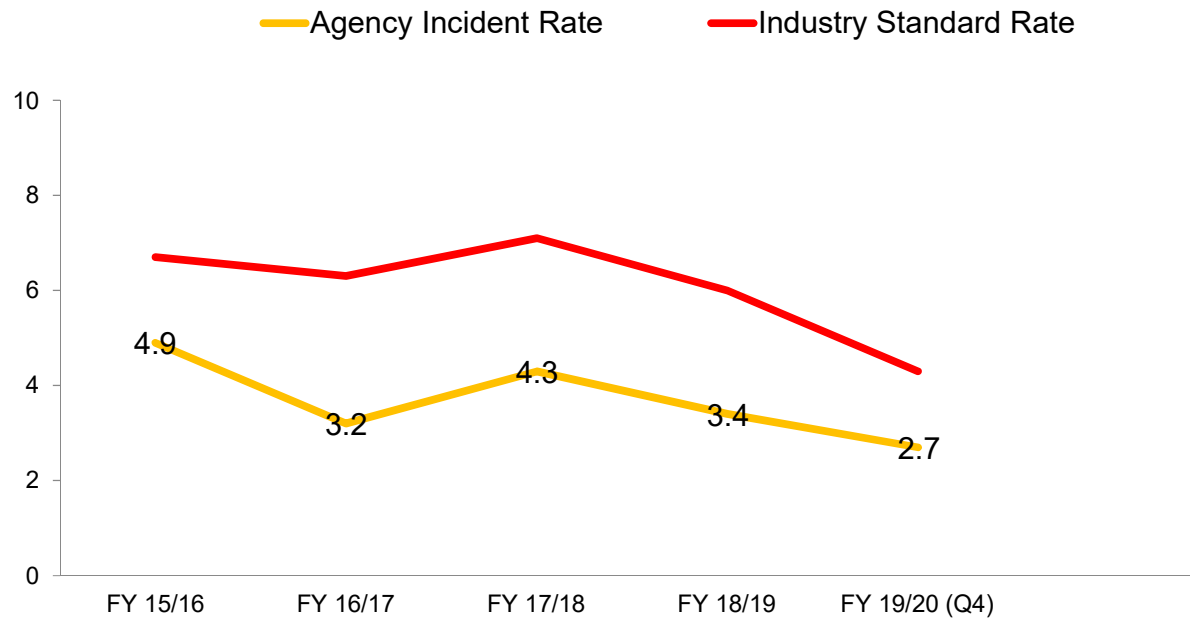
FY 2019/20 - Q4
April 1, 2020 to June 30, 2020

■ Recordable Incidents
■ Reportable Incidents



Recordable Incident Status

5 Year Comparison
FY 15/16 to FY 19/20 - Q4



Metrics - Leading Indicators

Leading Indicator	FY 18/19 Q4	FY 19/20 Q1	FY 19/20 Q2	FY 19/20 Q3	FY 19/20 Q4
Safety Meetings: Tailgates, Committee, Pre- Construction	41	38	44	58	48
Safety Inspections: Internal	3	3	3	3	3
Safety Inspections: External	7	7	7	7	7
Management Participation: Safety Committee, Audits	13	7	9	4	7



Metrics - Lagging Indicators

Lagging Indicator	Source	Result: FY 18/19 Q4	Result: FY 19/20 Q1	Result: FY 19/20 Q2	Result: FY 19/20 Q3	Result: FY 19/20 Q4	Standard measures
Recordable Incident Rate	Cal-OSHA	2.0	~3.4	~3.5	0	~3.5	~6.7
Lost Workday Case (LWC) Rate	Cal-OSHA	0	0	1.6	0	0	~3.0
Severity Rate	Cal-OSHA	0	0	67.4	0	0	~4.4
Experience Modifier (X-Mod)	JPIA	0.84	0.84	0.84	0.84	0.84	<1.0 ideal
Citations issued	SCV Water	0	0	0	0	0	0 ideal

Vehicle Safety Metrics

Indicator	FY 18/19 Q4	FY 19/20 Q1	FY 19/20 Q2	FY 19/20 Q3	FY 19/20 Q4
Vehicle related training sessions	5	4	4	5	0
DMV Pull Program	0	0	0	0	0
DOT Driver Program	0	0	0	0	0
Vehicle related incidents (injuries)	1(0)	2(0)	1(0)	2(1)	0
Vehicle related claims	0	2	0	0	0





Safety Activities



SCV Water's Safety Team:

(Mike Alvord, Mark Passamani, Jon Wallace, Jose Diaz)

- Combining efforts to create a Best-in-Class safety culture.
Review of each division's:
 - Agency wide deep cleaning
 - Safety Committees: 4/29, 6/3, & 6/24 via Microsoft Teams
 - Field visits and inspections
 - Safety Manual updates
 - NFPA 704 upgrades
 - AED upgrades
 - Regulatory updates and submittals





THANK YOU



COMMITTEE MEMORANDUM

DATE: July 20, 2020

TO: Engineering and Operations Committee

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

SUBJECT: Recommend Approval of Purchase of Liquid Chromatography Tandem Mass Spectrometer (LCMSMS)

SUMMARY

In order to perform analysis for per- and polyfluoroalkyl substances (PFAS) in drinking water by EPA Method 537.1, the laboratory will need to purchase a Liquid Chromatography Tandem Mass Spectrometer (LCMSMS), as required by the EPA method.

DISCUSSION

Staff obtained quotations from three manufacturers for several different instruments. Each of the LCMSMS instruments manufactured by these three companies would meet the method requirements, detection limits, and sample throughput needs of the Agency's Water Quality Laboratory. All three of the manufacturers provided detailed specifications, presentations, or instrument demonstrations, which clearly showed that each of their instruments would be suitable for analysis of drinking water by EPA Method 537.1, which contains the requirements for instrument performance for the analysis. Each proposal also includes the necessary support equipment, computer hardware and software, autosampler, and onsite training.

Agilent and SCIEX also manufactures a more sensitive instrument, which would allow for future lower detection requirements, as well as additional analytes beyond the EPA 537.1 list.

The following table provides a summary of the quotations:

Manufacturer	Agilent Ultivo	SCIEX 4500	Waters TQ-S
Price	\$451,165	\$299,205	\$306,229
Manufacturer	Agilent 6470	SCIEX 5500+	
Price	\$481,416	\$358,794	

Laboratory and Operations staff are recommending the purchase of the SCIEX 5500+ LCMSMS equipment to run PFAS sample analysis in the SCV Water laboratory based on the information collected and presented below. Current contract laboratory costs are \$300 per analysis if there is no detection and \$600 if there is a detection. The additional \$300 per sample is for a field blank. While these costs will likely decrease as more laboratories become certified and there is more competition, the expected number of samples SCV Water will be required to collect and have analyzed warrants having the ability to provide these analytical services from the SCV Water laboratory. The table on the next page provides an estimated range of contract laboratory costs compared to expected costs for this equipment purchase.

Treatment Location	Sample Range (per year)	Annual Cost Range
N Wells	120 – 520	\$46,800 - \$202,800
Q2	36 – 156	\$14,400 - \$62,400
Valley Center	36 – 156	\$14,400 - \$62,400

At this time the number of samples can only be estimated until the treatment facilities are permitted and the Division of Drinking Water (DDW) states the sampling requirements. In addition, only the first three (3) treatment facilities were used in this ROI calculation. There is the potential for five (5) or more treatment locations as other wells are brought online. Therefore, the contract laboratory sampling costs would more than double, which would further reduce the length of time of the ROI.

Based on a total equipment cost of \$400,000, ELAP accreditation, and internal laboratory costs related to running PFAS samples, the first-year cost is approximately \$410,000. This equates to an ROI of between 1.3 – 5.4 years. It is important to note, DDW is expected to issue additional Orders requiring more PFAS sampling later this year.

FINANCIAL CONSIDERATIONS

Funds for the replacement of the LCMSMS are included in the FY 2020/21 Capital Equipment Budget. The source of funds will come from the rate revenue of NWD, SCWD, and VWD at a cost share allocation of 15%, 41%, and 44% respectively

RECOMMENDATION

That the Engineering and Operations Committee recommends that the Board of Directors authorize the General Manager to purchase the SCIEX 5500+ LCMSMS instrument in the amount of \$358,794 (plus tax).


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COMMITTEE MEMORANDUM

DATE: July 15, 2020

TO: Engineering & Operations Committee

FROM: Keith Abercrombie 
Chief Operating Officer

SUBJECT: Recommend Approval of a Purchase Order to Kennedy/Jenks Consultants for Final Design of the Recycled Water Tank at an Alternate Site for the Recycled Water Vista Canyon (Phase 2B) Project

SUMMARY

Staff is recommending approval of a purchase order to Kennedy/Jenks Consultants (Kennedy/Jenks) for final design of the recycled water tank at an alternate site for the Recycled Water Vista Canyon (Phase 2B) Project.

DISCUSSION

On April 3, 2018, the Board of Directors authorized the General Manager to execute a work authorization with Kennedy/Jenks Consultants for an amount of \$161,160 for the final design of the Vista Canyon (Phase 2B) recycled water tank. The scope of work included geotechnical investigative services, final engineering design, and the preparation of construction plans, specifications and cost estimates for two new recycled water tanks with an approximate capacity of 500,000 gallons each, at a pad site located just west of the existing Cherry Willow tank access road.

Initial geologic and geotechnical investigative findings suggested evidence of a landslide and slope stability deficiencies in the immediate vicinity of the graded tank pad, creating a significant geologic hazard for the project. Fugro Geotechnical Engineers were contracted by SCV Water to perform additional slope stability analyses based on the initial tank boring samples and to develop preliminary recommendations to stabilize the pad slope.

Fugro determined that significant and costly buttress fill and/or drilled cast-in-place concrete piles would be required to provide acceptable slope stability factors of safety at the tank site. The estimated cost for the buttress fill alone would exceed \$1 million.

To avoid significant cost impacts to the project, staff evaluated a nearby graded pad as an alternate site for the new recycled water tanks. The existing graded pad is located next to the

Cherry Willow tank site, approximately 400 feet southeast of the originally proposed tank site. The pad site is currently owned by Pardee Homes and they have expressed interest in selling the property to SCV Water.

Staff prepared a preliminary site plan and determined that the alternate site provides adequate buildable area to fit two recycled tanks with an approximate capacity of at least 350,000 gallons each. The combined storage volume of 700,000 gallons will meet the estimated Maximum Daily Demand of 690,000 gallons per day required to fully service irrigation customers in the Fair Oaks and Vista Canyon communities.

Additional geologic investigative work was initiated by SCV Water staff to determine whether the new tank site was subject to similar geologic hazards. Geolabs West Lake Village, the original Geotechnical Engineer of Record for the Fair Oaks Tract and Cherry Willow tank site, was retained to conduct exploratory excavations and to prepare a slope stability analysis at the alternate tank site. Geolab's findings indicated evidence of fractured soil and rock within the upper 20 feet of the existing pad that may have been caused by past seismic activity and/or landslides. To obtain an acceptable slope stability factor of safety, they determined that the upper 20 feet of soil would need to be removed and recompacted, resulting in approximately 10,000 cubic yards of soil to be processed on site. The cost of this remedial grading at the new tank site is estimated to be \$150,000.

Based on feedback received from our geotechnical engineering professionals, staff recommends that the new recycled water tanks be located at the alternate site for the following reasons:

1. Exposure to risk of future landslide and slope instability is much higher at the original tank site than it is at the alternate site.
2. The total cost of remedial grading, additional pipework, land and revised engineering fees at the new tank site is expected to be much less than the significant buttress fill and potential pile system required at the original tank site.

Staff is recommending that Kennedy/Jenks provide the final design for the recycled water tanks at the alternate site to expedite plan completion and approvals needed to meet our amended Proposition 84 grant fund deadline of December 2021 for construction of the new tanks. Kennedy/Jenks has already received and incorporated extensive comments from staff during the design and collaboration phases of the original recycled water tanks. Incorporating these details and specifications into the new tank site design efforts will result in a more efficient plan preparation and review process.

CEQA Determination

The Castaic Lake Water Agency's Board of Directors adopted the Mitigated Negative Declaration (MND) and Mitigation Monitoring and Reporting Program (MMRP) for the Phase 2B

project by Resolution 3211 on November 20, 2017. CLWA filed the Notice of Determination with the Los Angeles County Clerk's Office and the State Clearinghouse on February 9, 2018. The alternate tank site is considered a technical change but falls within the conditions of approval of the adopted MND for the original tank site. Staff has reviewed the original MND and MMRP and has found that changes in biology, cultural aspects, noise reduction and visual disturbance compared to the original site are anticipated to be minimal. As a result, staff will prepare an Addendum to the MND in accordance with the requirements of CEQA Guidelines in the California Code of Regulations, Title 14 Section 15164 for the project record.

FINANCIAL CONSIDERATIONS

Kennedy/Jenks budget for the revised final design of the recycled water tank is \$164,723. The scope of work and corresponding fee includes services that were not included in their original work authorization, such as the recycled water pipeline extension, remedial grading plans, and electrical design and SCE Work Order management to provide power to new recycled water tanks, as well as the existing Cherry Willow potable tanks.

Work would be performed on a time and materials basis. Design of the project is funded in the Agency's FY 2020/21 CIP budget for the Recycled Water Program Phase 2B – Vista Canyon Project and there are adequate funds remaining for this work. Approximately one-third of the design costs will be reimbursed from Proposition 84 grant funds.

The CIP budget is \$8,432,000 for planning, design and construction of the phase 2B recycled water pipelines and tanks. Approximately \$4,832,000 of the CIP budget is allocated to the design and construction of the recycled water tanks. The project is expected to receive \$2,406,600 in Proposition 84 grant funds from the Department of Water Resources. As of June 30, 2020, project expenditures are \$728,000.

RECOMMENDATION

That the Engineering & Operations Committee recommends that the Board of Directors authorize the General Manager to issue a purchase order to Kennedy/Jenks Consultants for an amount not to exceed \$164,723 for the final design of the recycled water tank at the alternate site for the Recycled Water Vista Canyon (Phase 2B) Project.

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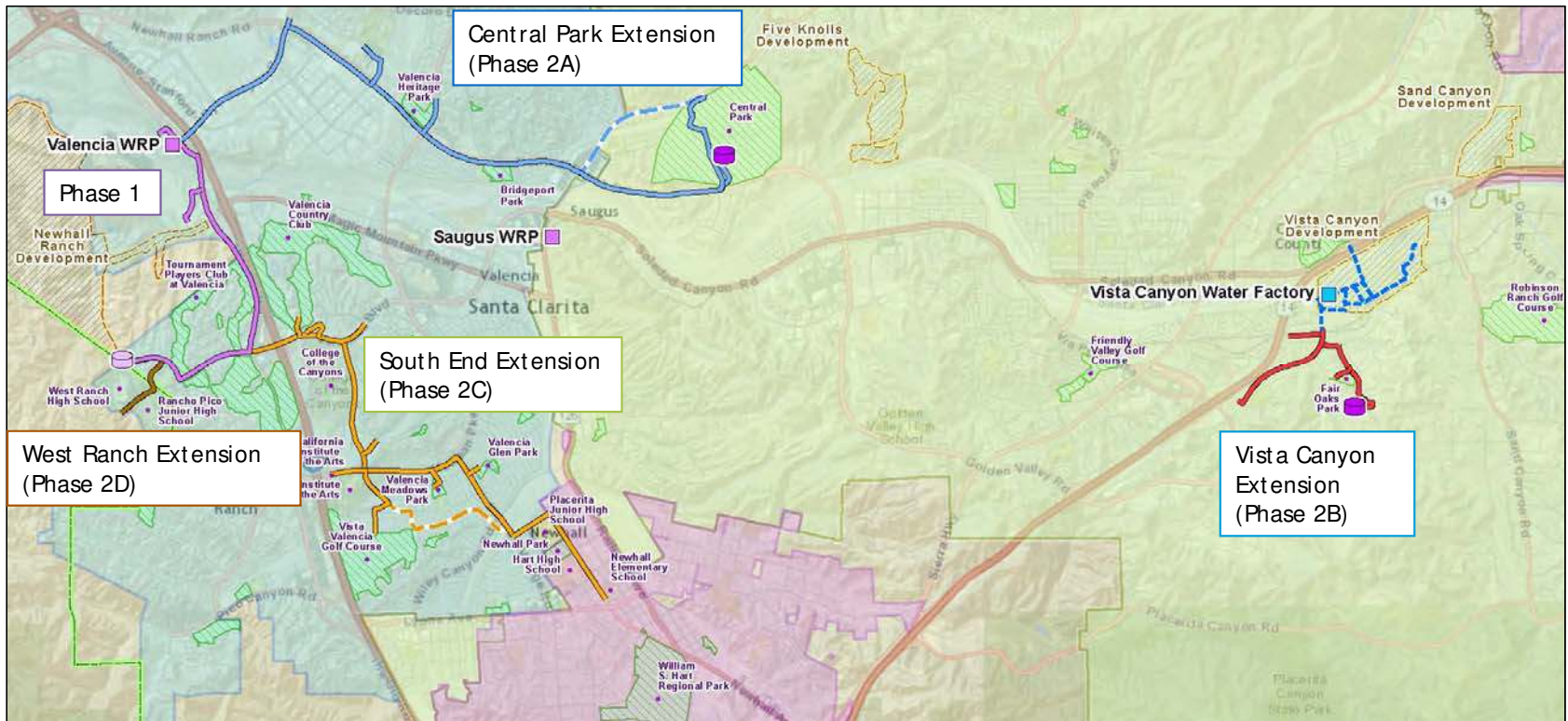
August 6, 2020



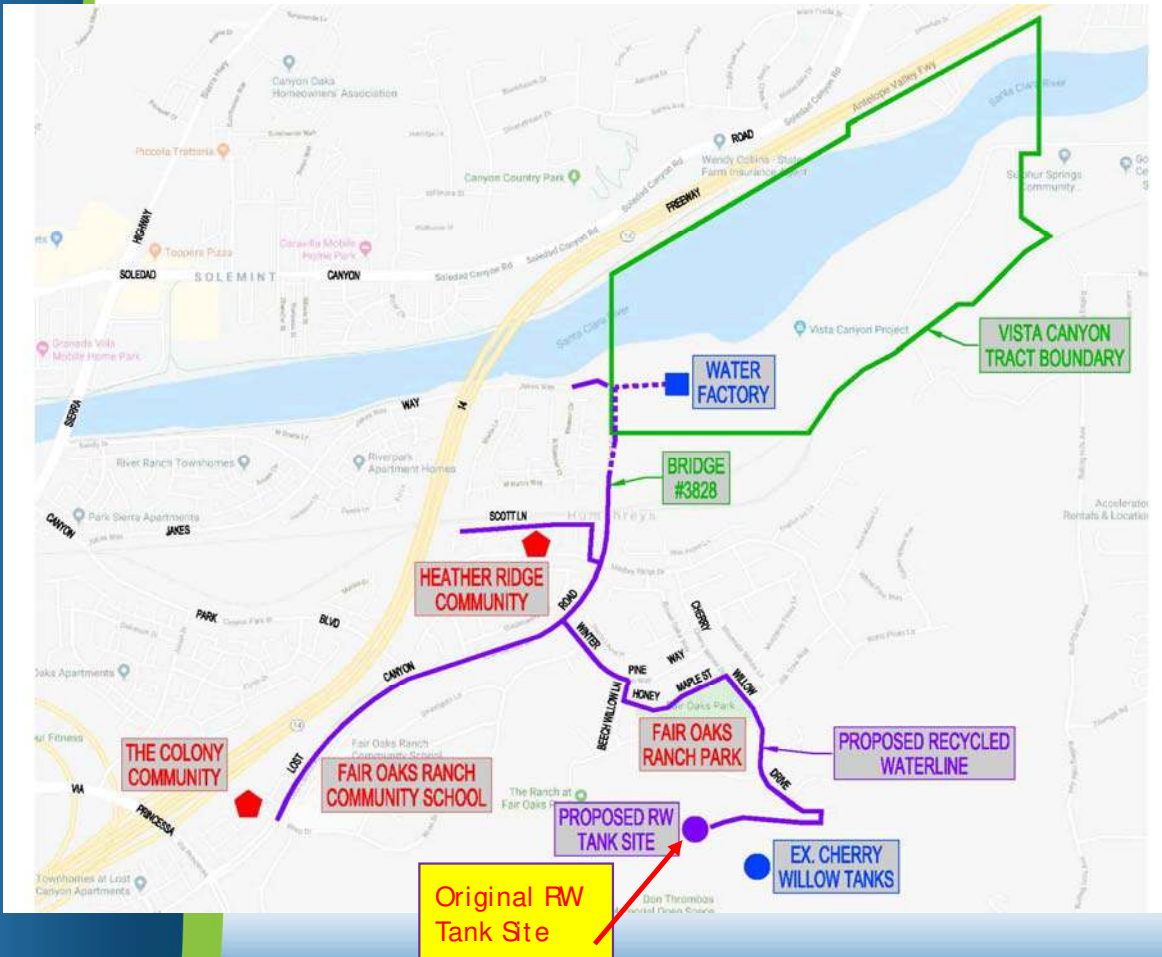
Recycled Water Vista Canyon (Phase 2B) Project

Engineering & Operations Committee

Recycled Water Vista Canyon (Phase 2B) Project Overview



Recycled Water Vista Canyon (Phase 2B) Project Project Status

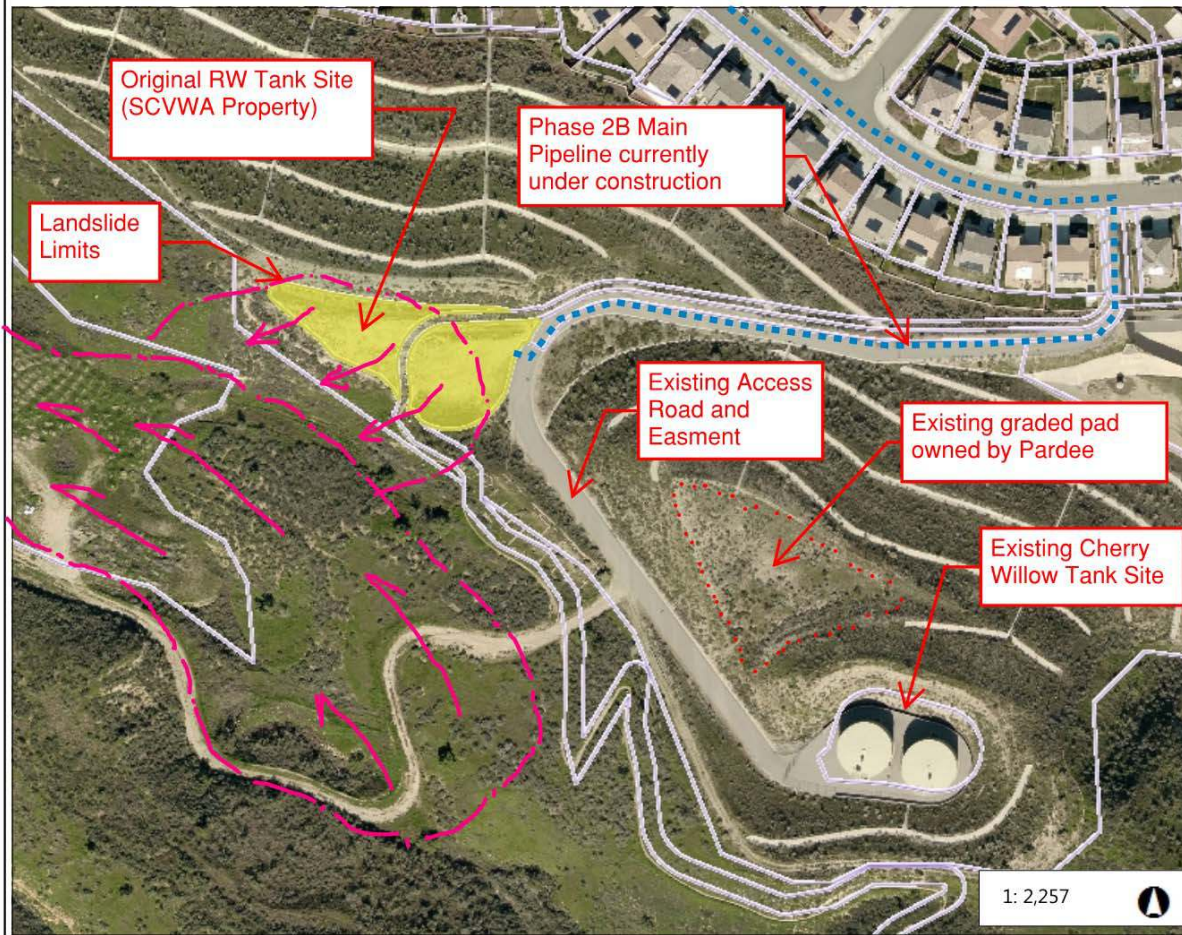


- Vista Canyon Water Factory will supply recycled water to irrigation customers in the Fair Oaks and Vista Canyon Communities
- CEQA process completed in 2017
- Recycled Water Pipeline contract is currently in construction
- Tank Design and Construction must be completed by December 2021

YOURSCVWATER.COM



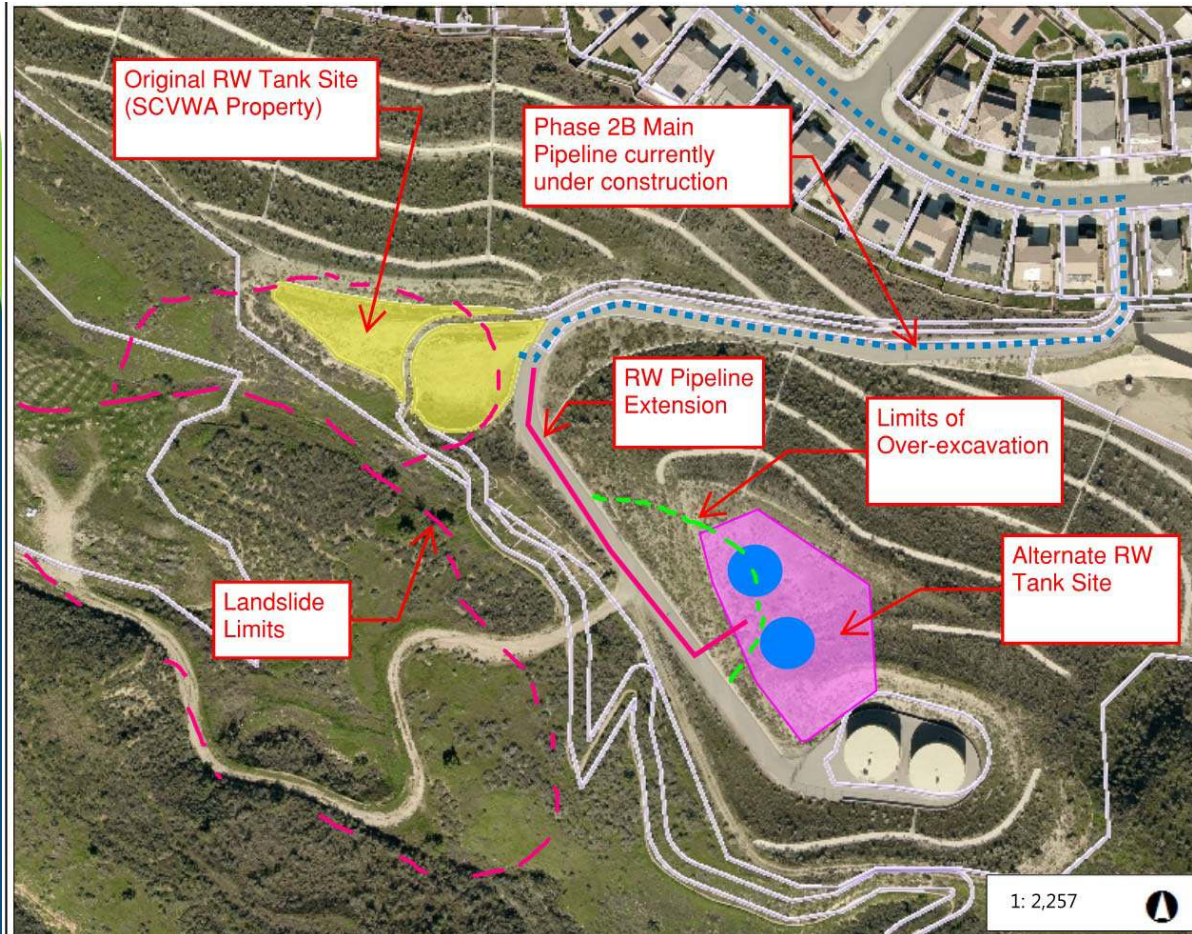
Recycled Water Vista Canyon (Phase 2B) Project Original Tank Site



- Landslide and slope stability deficiencies in vicinity of original tank site.
- Buttress fill and/ or Pile and/ or shear pin system will likely be required to meet slope stability factors of safety
- Cost of remedial grading for buttress fill only will exceed \$1 million.
- Risk of future pad failure due to presence of a large landslide down gradient of original tank site.



Recycled Water Vista Canyon (Phase 2B) Project Alternate Tank Site



- Site fits a minimum of two 0.35 MG RW tanks for a total storage capacity of 700,000 Gallons
- Minimum stability factors of safety can be exceeded with over-excavation (10,000 CY) to remove unsuitable soils
- 400' of RW Pipeline to be extended to new tank site
- Alternate site complies with Adopted CEQA MND with an Addendum to be prepared by SCVWA staff



Recycled Water Vista Canyon (Phase 2B) Project Budget

- **Final Engineering Budget**

- Original Final Engineering Fee (Kennedy/ Jenks) - \$161,000
 - Plans completed and total fee has been paid
- Fee for Revised Final Engineering at alt site (Kennedy/ Jenks) - \$164,723
 - *Additional services that were not required in original Work Authorization are:*
 - Remedial Grading Plans
 - Electrical design and SCE work order management (for new RW tanks and existing Cherry Willow Tanks)
 - RW Pipeline plans- 12" RW extension from original tank site to new tank location

- **Estimated Construction Budget**

• RW Pipeline Budget:	\$3,600,000
• RW Tank Budget:	<u>\$4,832,000</u>
• Total Recycled Water (Phase 2B) Budget:	\$8,432,000
• <u>Total Estimated Prop 84 Grant Reimbursement</u>	<u>\$2,406,600</u>



Recycled Water Vista Canyon (Phase 2B) Project Project Schedule

- Prop 84 Grant Timeline
 - Tank Construction to be completed by **12/31/2021** to receive full grant reimbursement
- Final Design and Plans, Specs and Cost Estimates
 - Final Plan Approval and Signatures - 01/26/2021
- Bid & Construction Timeline
 - End of Public Bidding - 3/9/2021
 - E & O Committee Approval - 4/8/2021
 - Board of Directors Approval - 5/4/2021
- Construction Timeline:
 - Award Contract & Notice to Proceed- 5/5/2021
 - Complete Construction- 12/18/2021



Recycled Water Vista Canyon (Phase 2B) Project Recommendation

That the Engineering & Operations Committee recommends that the Board of Directors:

- Authorize the General Manager to issue a purchase order to Kennedy/ Jenks Consultants for an amount not to exceed \$164,723 for the final design of the recycled water tank at the alternate site for the Recycled Water Vista Canyon (Phase 2B) Project



Questions?

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COMMITTEE MEMORANDUM

DATE: July 29, 2020

TO: Engineering and Operations Committee

FROM: Keith Abercrombie
Chief Operating Officer *KA*

SUBJECT: Recommend Approval for Purchase of Replacement Clarifier Media at Earl Schmidt Filtration Plant

SUMMARY

The Rio Vista Treatment Plant (RVTP) and Earl Schmidt Filtration Plant (ESFP) have a total of twenty-two (22) Pacer II Up-Flow Contact Clarifiers, provided by Roberts Filter Group. Each Pacer II holds approximately 2,000 cubic feet of Conta-Clarifier media "C". This media is a proprietary blend and is only available through Roberts Filter Group. As part of routine maintenance, this media needs replenishing or replacing from time to time in order to maintain clarifier integrity and ensure continued treatment and delivery of high-quality drinking water. At this time, 8,500 cubic feet of media needs to be purchased.

DISCUSSION

The ESFP has ten (10) of the twenty-two (22) Pacer II Up-Flow Contact Clarifiers. Through routine maintenance and regular inspections, it has been noted that the bed depth has diminished by approximately twenty-four (24) inches over the past fifteen (15) years. Staff is recommending the addition of 8,500 cubic feet of Conta-Clarifier media "C" to the ten (10) up flow contact clarifiers at ESFP to replace what has been lost over time. This replacement of media will provide approximately 10 to 15 years of additional service life, at which time an assessment will be conducted to determine if the entire bed depth of fifty-four (54) inches should be replaced.

Staff is recommending the sole-source purchase of this proprietary media. This is necessary since the only way to use to a different media source would require full bed depth replacement, conducting pilot-testing on the new media, and obtaining regulatory approval to use the new media. Therefore, in accordance with the Agency's Purchasing Policy, Section 4.3, the Board of Directors must approve this sole source purchasing request.

FINANCIAL CONSIDERATIONS

Funds for the purchase are included in the Regional FY 2020/21 Repair and Replacement Budget.

RECOMMENDATION

That the Engineering and Operations Committee recommend that the Board of Directors authorize the General Manager to sole source the purchase of 8,500 cubic feet of Conta-Clarifier media in the amount of \$190,176.

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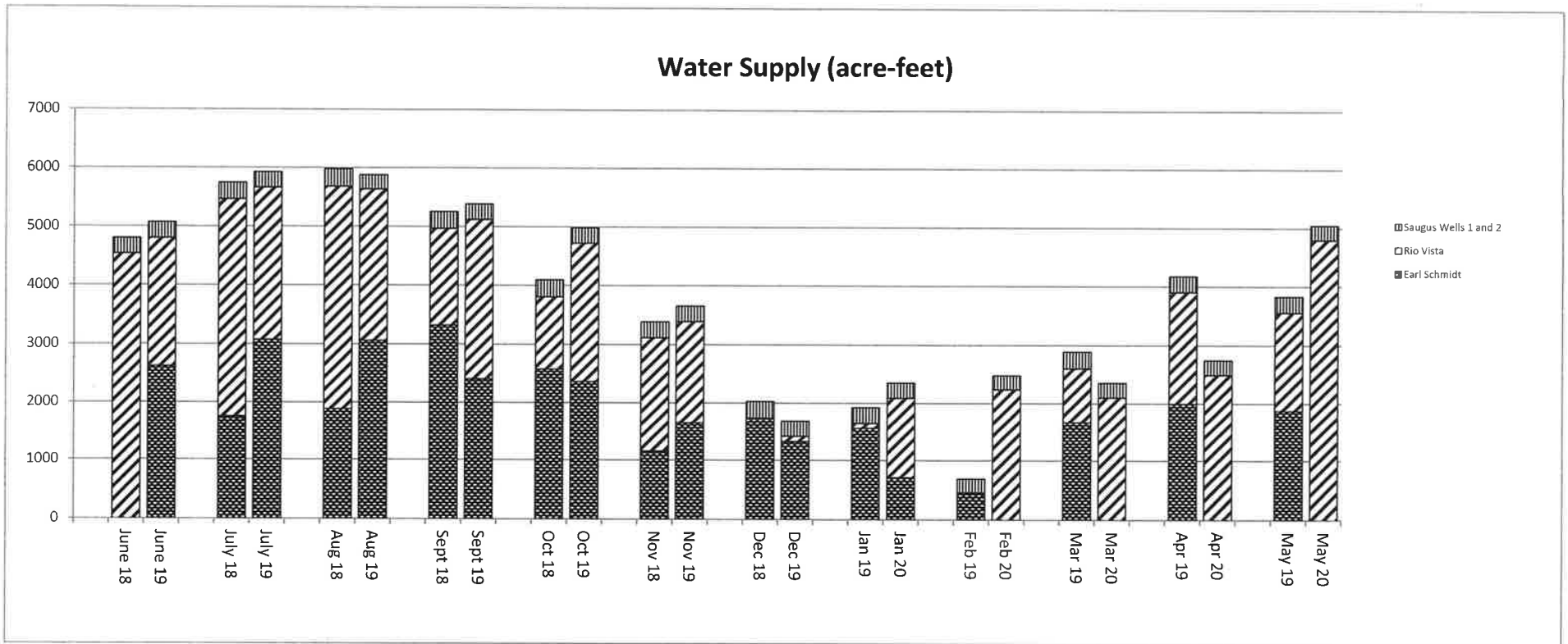


Monthly Operations & Production Report

June 2020

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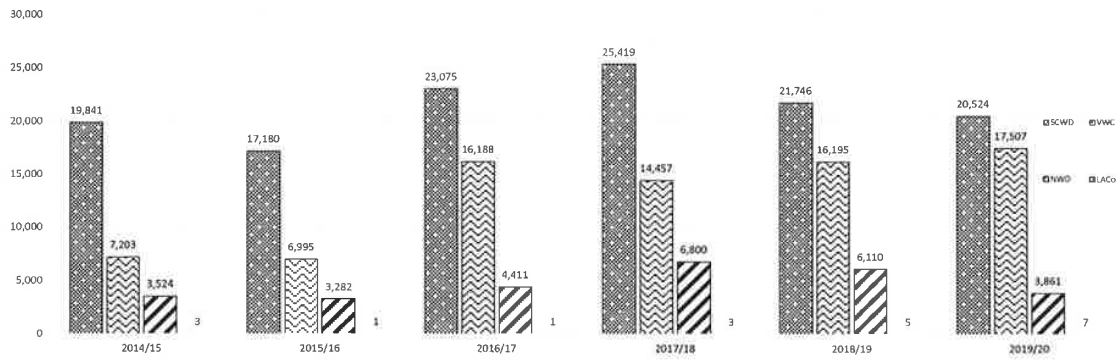
SANTA CLARITA VALLEY WATER AGENCY
 May 2020 Regional Operations Report



Source	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Total
Earl Schmidt	2622	3071	3057	2404	2360	1655	87	708	0	0	0	0	15963.765
Rio Vista	2175	2588	2577	2719	2360	1736	1328	1374	2235	2096	2490	4801	28479.4
Saugus 1 and 2	273	267	242	261	263	263	271	265	243	256	253	249	3106.061
Total	5070	5926	5876	5384	4983	3654	1686	2347	2478	2352	2743	5050	5070
Total Sold	4985	5823	5779	5316	4879	3651	1715	2270	2411	2309	2660	5004	46802
RWTP Use/Storage	22.04	35.68	27.64	27.66	40.42	13.19	-46.25	31.54	55.91	2.55	49	39	22.04
Total Use	5007.04	5858.68	5806.64	5343.66	4919.42	3664.19	1668.75	2301.54	2466.91	2311.55	2709	5043	5007.04
Water Loss	-1.24%	-1.14%	-1.18%	-0.75%	-1.28%	0.28%	-1.02%	-1.94%	-0.45%	-1.72%	-1.24%	-0.14%	-1.24%
Recycled Water	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Total
Valencia	59	76	70	64	65	25	2	10	22	8	22	64	487

* 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	2,491	2,177	2,110	1,536	746	990	1,036	1,174	1,366	1,458	1,844	19,841
VWC	1,143	897	718	545	410	340	408	398	400	658	587	700	7,203
NCWD	461	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	0
Total	4,517	3,798	3,285	2,996	2,215	1,221	1,603	1,635	1,818	2,306	2,299	2,879	30,571
Cum. FYTD	4,517	8,315	11,599	14,596	16,811	18,032	19,635	21,270	23,088	25,393	27,692	30,571	
2015/16	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	1,731	1,800	1,816	1,829	1,427	1,180	829	1,060	1,185	1,178	1,612	1,935	17,180
VWC	691	773	583	658	547	384	157	366	412	462	715	1,375	6,995
NCWD	347	373	325	278	233	199	148	195	206	250	319	411	3,282
LACo	0	0	0	0	0	0	0	1	0	0	0	0	1
Total	2,769	2,946	2,524	2,455	2,207	1,743	1,134	1,622	1,803	1,888	2,646	3,721	27,458
Cum. FYTD	2,769	5,715	8,239	10,694	12,901	14,644	15,778	17,400	19,203	21,091	23,737	27,458	
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	807	620	643	784	1,123	1,728	2,489	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
Total	4,447	4,770	4,091	3,580	2,612	2,231	1,736	1,716	2,699	4,152	5,559	6,081	43,674
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	2,264	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
Total	5,958	5,615	4,619	4,522	3,528	3,481	2,684	2,532	1,746	3,414	3,885	4,695	46,680
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
NCWD	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
Total	5,639	5,855	5,160	4,011	3,349	1,947	1,805	802	2,735	4,016	3,754	4,985	44,057
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	0	20,524
VWC	2,491	2,518	2,348	2,145	1,526	604	957	762	919	1,066	2,171	0	17,507
NCWD	721	518	492	422	280	130	188	232	177	226	475	0	3,861
LACo	2	0	0	1	1	1	1	0	0	0	0	0	7
Total	5,823	5,779	5,316	4,879	3,651	1,715	2,353	2,411	2,309	2,660	5,004	0	41,898
Cum. FYTD	5,823	11,602	16,918	21,796	25,448	27,162	29,515	31,926	34,235	36,894	41,898	41,898	

*Total does not include recycled water.

SANTA CLARITA VALLEY WATER AGENCY

Record of Weather Observations

June 2020

DATE	High Temperature	Low Temperature	Precipitation 2020	Precipitation 2019
1-Jun	88	52	0.00	0.00
2-Jun	87	53	0.00	0.00
3-Jun	102	57	0.00	0.00
4-Jun	81	58	0.00	0.00
5-Jun	65	57	0.01	0.00
6-Jun	69	53	0.00	0.00
7-Jun	76	48	0.00	0.00
8-Jun	82	57	0.00	0.00
9-Jun	94	47	0.00	0.00
10-Jun	96	50	0.00	0.00
11-Jun	93	52	0.00	0.00
12-Jun	81	48	0.00	0.00
13-Jun	79	57	0.00	0.00
14-Jun	81	52	0.00	0.00
15-Jun	85	51	0.00	0.00
16-Jun	77	60	0.00	0.00
17-Jun	77	55	0.00	0.00
18-Jun	74	55	0.00	0.00
19-Jun	81	55	0.00	0.00
20-Jun	82	53	0.00	0.00
21-Jun	84	58	0.00	0.01
22-Jun	87	53	0.00	0.00
23-Jun	88	57	0.00	0.00
24-Jun	89	61	0.00	0.00
25-Jun	85	57	0.00	0.00
26-Jun	88	54	0.00	0.00
27-Jun	84	58	0.00	0.00
28-Jun	71	60	0.00	0.00
29-Jun	77	59	0.00	0.00
30-Jun	84	48	0.00	0.00

TOTAL		0.01	0.01
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		2019-2020	2018-2019
Total Precipitation of Current Month		0.01	0.01
Total Precipitation End of Previous Month		18.82	27.64
Total Precipitation Since October 1st		18.83	27.65
Temperature Averages for Current Month	HIGH	82.9	81.6
	LOW	54.5	54.8

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
TOTAL	13.11	16.25	23.67	7.34	24.34	13.59	52.55	20.58	6.58	23.12	13.64
	<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	0.54
Feb	4.96	5.36	0.13	0.42	5.26	0.74	0.69	8.98	0.35	8.56	0.12
Mar	0.69	8.86	4.99	1.21	1.64	1.09	2.75	0.33	7.50	4.15	5.81
Apr	2.40	0.12	4.02	0.00	0.31	0.16	0.37	0.09	0.02	0.09	4.45
May	0.07	0.74	0.01	0.74	0.00	0.66	0.09	0.26	0.01	1.60	0.16
Jun	0.00	0.04	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	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	
TOTAL	25.65	31.27	16.07	8.28	9.23	12.87	10.87	25.53	11.15	27.68	18.83

SANTA CLARITA VALLEY WATER AGENCY
WATER PRODUCTION BY WELL 2020 (ACRE-FEET)

NEWHALL WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
N12	104	108	96	94	178	175	0	0	0	0	0	0	754
N13	120	126	111	109	127	197	0	0	0	0	0	0	790
C1	19	27	17	29	53	58	0	0	0	0	0	0	203
C2	13	14	9	14	27	29	0	0	0	0	0	0	106
C7	35	37	25	38	71	78	0	0	0	0	0	0	283
P1	0	0	0	0	0	0	0	0	0	0	0	0	0
P3	0	0	0	0	0	0	0	0	0	0	0	0	0
P4	0	0	0	0	0	0	0	0	0	0	0	0	0
P5	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL NWD	291	312	257	285	456	537	0	0	0	0	0	0	2137

SANTA CLARITA WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
LOST CANYON NO.2	36	2	0	0	26	31	0	0	0	0	0	0	95
LOST CANYON NO.2A	70	45	13	18	62	64	0	0	0	0	0	0	272
SAND CANYON	80	50	15	20	66	60	0	0	0	0	0	0	291
MITCHELL 5A	0	0	0	0	0	0	0	0	0	0	0	0	0
MITCHELL 5B	0	0	1	1	0	0	0	0	0	0	0	0	2
SIERRA	7	18	6	11	13	8	0	0	0	0	0	0	63
NORTH OAKS EAST	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH OAKS CENTRAL	1	3	1	0	0	0	0	0	0	0	0	0	5
NORTH OAKS WEST	0	0	0	0	0	0	0	0	0	0	0	0	0
HONBY	1	15	0	0	0	0	0	0	0	0	0	0	16
GUIDA	24	46	0	23	69	52	0	0	0	0	0	0	214
CLARK	17	29	1	0	0	0	0	0	0	0	0	0	47
SANTA CLARA	1	20	3	0	0	0	0	0	0	0	0	0	24
VALLEY CENTER	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL SCWD	237	228	40	73	236	215	0	0	0	0	0	0	1029

VALENCIA WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
D	20	56	20	23	71	59	0	0	0	0	0	0	249
E15	25	103	33	39	92	90	0	0	0	0	0	0	381
N	53	69	19	0	0	0	0	0	0	0	0	0	141
N7	29	120	9	0	0	0	0	0	0	0	0	0	157
N8	89	108	14	0	0	0	0	0	0	0	0	0	211
Q2	0	0	0	0	0	0	0	0	0	0	0	0	0
T7	3	19	2	0	0	0	0	0	0	0	0	0	23
U6	1	7	5	47	83	0	0	0	0	0	0	0	142
U4	1	4	0	0	0	0	0	0	0	0	0	0	6
S6	0	0	0	0	0	0	0	0	0	0	0	0	0
S7	13	31	0	0	0	0	0	0	0	0	0	0	44
S8	9	14	6	0	0	0	0	0	0	0	0	0	29
W11	40	29	18	36	55	68	0	0	0	0	0	0	246
W9	51	87	57	70	93	102	0	0	0	0	0	0	459
W10	75	63	10	0	0	0	0	0	0	0	0	0	148
159 (GOLF COURSE IRRIGATION)	0	1	0	1	4	7	0	0	0	0	0	0	12
160 (SYSTEM)	1	2	2	2	2	3	0	0	0	0	0	0	12
160 (GOLF COURSE IRRIGATION)	20	29	11	38	73	74	0	0	0	0	0	0	246
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	68	98	95	74	58	115	0	0	0	0	0	0	507
207	78	116	62	109	150	139	0	0	0	0	0	0	654
TOTAL VWD	575	956	362	438	680	656	0	0	0	0	0	0	3668

S1	137	129	131	131	132	129	0	0	0	0	0	0	789
S2	128	114	125	122	117	120	0	0	0	0	0	0	724
TOTAL S1 & S2	265	243	256	253	249	249	0	0	0	0	0	0	1513

TOTAL WELL PRODUCTION	1367	1739	915	1049	1621	1656	0	0	0	0	0	0	8347
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WELL 201 (NON-SYSTEM)	107	61	108	103	102	102	0	0	0	0	0	0	582
VALLEY CENTER (NON-SYSTEM)	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Q2 (NON SYSTEM)	0.12	0.03	0.05	0.05	0.13	0.30	0	0	0	0	0	0	0.68
205 (NON-SYSTEM)	0	0	0	0	0	0	0	0	0	0	0	0	0.00
N (NON-SYSTEM)	0	0	0.06	0	0	0	0	0	0	0	0	0	0.06
S8 (NON-SYSTEM)	0	0	0	0.19	0.23	0	0	0	0	0	0	0	0.42
W10 (NON-SYSTEM)	0	0	0	0.25	0.11	0.16	0	0	0	0	0	0	0.52
HONBY (NON-SYSTEM)						0.23	0	0	0	0	0	0	0.23

NEWHALL WATER DIVISION
WATER PRODUCTION 2020 (ACRE-FEET)

GROUNDWATER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NEWHALL SYSTEM													
N12	104	108	96	94	178	175							754
N13	120	126	111	109	127	197							790
CASTAIC SYSTEM													
C1	19	27	17	29	53	58							203
C2	13	14	9	14	27	29							106
C7	35	37	25	38	71	78							283
PINETREE SYSTEM													
P1	0	0	0	0	0	0							0
P3	0	0	0	0	0	0							0
P4	0	0	0	0	0	0							0
P5	0	0	0	0	0	0							0
S1 & S2	71	65	68	68	67	67							406
TOTAL GROUNDWATER	362	377	326	352	523	603	0	0	0	0	0	0	2543
IMPORT + S1 & S2													
NEWHALL SYSTEM													
N-3	8	30	10	41	110	78							277
CASTAIC SYSTEM													
N-1	25	27	36	20	45	36							189
PINETREE SYSTEM													
N-2	102	119	88	108	199	216							832
TESORO SYSTEM													
N-4	53	56	43	57	120	268							597
TOTAL IMPORT + S1 & S2	188	232	177	226	475	597	0	0	0	0	0	0	1895
TOTAL GROUNDWATER (INCLUDES S1 & S2)	362	377	326	352	523	603	0	0	0	0	0	0	2543
TOTAL IMPORT (NO S1 & S2)	117	167	109	158	408	531	0	0	0	0	0	0	1490
TOTAL GROSS PRODUCTION (GW + IMPORT)	479	544	434	510	931	1134	0	0	0	0	0	0	4033
% BY SOURCE													
GROUNDWATER	76%	69%	75%	69%	56%	53%							63%
IMPORT	24%	31%	25%	31%	44%	47%							37%

**SANTA CLARITA WATER DIVISION
WATER PRODUCTION 2020 (ACRE-FEET)**

GROUNDWATER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
LOST CANYON NO.2	36	2	0	0	26	31							95
LOST CANYON NO.2A	70	45	13	18	62	64							272
SAND CANYON	80	50	15	20	66	60							291
MITCHELL 5A	0	0	0	0	0	0							0
MITCHELL 5B	0	0	1	1	0	0							2
SIERRA	7	18	6	11	13	8							63
NORTH OAKS EAST	0	0	0	0	0	0							0
NORTH OAKS CENTRAL	1	3	1	0	0	0							5
NORTH OAKS WEST	0	0	0	0	0	0							0
HONBY	1	15	0	0	0	0							16
GUIDA	24	46	0	23	69	52							214
CLARK	17	29	1	0	0	0							47
SANTA CLARA	1	20	3	0	0	0							24
VALLEY CENTER	0	0	0	0	0	0							0
TOTAL ALLUVIUM	237	228	40	73	236	215	0	0	0	0	0	0	1029
SAUGUS WELLS S1 & S2	194	178	187	185	182	182							1108
TOTAL GROUNDWATER	431	406	227	258	418	397	0	0	0	0	0	0	2137
IMPORT + S1 & S2	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
SC-1 BOUQUET	129	99	161	164	184	191							929
SC-2 HONBY	174	260	211	225	360	324							1553
SC-3 WILEY	97	103	93	112	148	153							707
SC-4 HONBY #2	211	94	161	224	373	432							1495
SC-5 RIO VISTA	138	176	111	116	238	226							1006
SC-6 LOST CANYON	76	104	64	90	170	173							677
SC-7	104	128	46	42	105	199							623
SC-8	130	184	157	164	309	334							1278
SC-9	93	89	32	47	90	103							453
SC-10	25	55	23	20	52	71							247
SC-11	1	2	1	1	1	0							5
SC-12	10	87	150	155	169	181							752
SC-13	20	36	3	8	157	166							389
TOTAL IMPORT + S1 & S2	1207	1,416	1,212	1,368	2,358	2,552	0	0	0	0	0	0	10,113
METERING ADJUSTMENT	-6.7	0.01	0	0	0	0							-7
NET IMPORT + S1 & S2	1,201	1,416	1,212	1,368	2,358	2,552	0	0	0	0	0	0	10,106
TOTAL GROUNDWATER (INCLUDES S1 & S2)	431	406	227	258	418	397	0	0	0	0	0	0	2137
TOTAL IMPORT (NO S1 & S2)	1,014	1,238	1,025	1,183	2,176	2,370	0	0	0	0	0	0	9,005
TOTAL PRODUCTION (GW + IMPORT)	1,444	1,644	1,252	1,441	2,594	2,767	0	0	0	0	0	0	11,142
% BY SOURCE													
GROUNDWATER	30%	25%	18%	18%	16%	14%							19%
IMPORT	70%	75%	82%	82%	84%	86%							81%
VALLEY CENTER (NON-SYSTEM) *	0.00	0.00	0.00	0.00	0.00	0.00							0.00
HONBY (NON SYSTEM) *						0.23							0.23

* Not used in the calculation for % by Source

VALENCIA WATER DIVISION
WATER PRODUCTION 2020 (ACRE-FEET)

ALLUVIUM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
D	20	56	20	23	71	59							249
E15	25	103	33	39	92	90							381
N	53	69	19	0	0	0							141
N7	29	120	9	0	0	0							157
N8	89	108	14	0	0	0							211
Q2	0	0	0	0	0	0							0
T7	3	19	2	0	0	0							23
U6	1	7	5	47	83	0							142
U4	1	4	0	0	0	0							6
S6	0	0	0	0	0	0							0
S7	13	31	0	0	0	0							44
S8	9	14	6	0	0	0							29
W11	40	29	18	36	55	68							246
W9	51	87	57	70	93	102							459
W10	75	63	10	0	0	0							148
TOTAL ALLUVIUM	408	711	192	214	393	318	0	0	0	0	0	0	2236
SAUGUS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
159	0	1	0	1	4	7							12
160 - DOM	1	2	2	2	2	3							12
160 - VGC*	20	29	11	38	73	74							246
201	0	0	0	0	0	0							0
205	0	0	0	0	0	0							0
206	68	98	95	74	58	115							507
207	78	116	62	109	150	139							654
TOTAL SAUGUS	167	246	170	224	287	338	0	0	0	0	0	0	1432
IMPORT WATER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
V-1	143	65	126	146	197	213							889
V-2	139	284	138	211	514	419							1705
V-4	105	1	68	90	402	327							994
V-5	246	161	179	188	276	323							1373
V-6	85	198	134	133	185	136							871
V-7	23	3	15	12	78	105							235
V-8	217	50	259	285	520	664							1994
TOTAL IMPORT	957	762	919	1,066	2,171	2,186	0	0	0	0	0	0	8,061
TOTAL GROUNDWATER	575	956	362	438	680	656	0	0	0	0	0	0	3,668
TOTAL IMPORT	957	762	919	1,066	2,171	2,186	0	0	0	0	0	0	8,061
TOTAL PRODUCTION	1,531	1,718	1,282	1,505	2,851	2,842	0	0	0	0	0	0	11,729
% BY SOURCE													
GROUNDWATER	37%	55%	28%	27%	22%	21%							30%
IMPORT WATER	63%	45%	72%	73%	78%	79%							70%
RECYCLED WATER	10	22	8	22	64	70							197
Well 201 Discharge *	107	61	108	103	102	102							582
Well Q2 Non-System *	0.12	0.03	0.05	0.05	0.13	0.30							0.68
Well 205 Non-System *	0	0	0	0	0	0							0.00
Well N Non-System *	0	0	0.06	0	0	0							0.06
Well S8 Non-System *	0	0	0	0.19	0.23	0							0.42
Well W10 Non-System *	0	0	0	0.25	0.11	0.16							0.52

*Not used in the calculation for % by source

LOS ANGELES COUNTY WATERWORKS DISTRICT 36

SOURCE

TURNOUT	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	TOTAL
LA 1	0	0.0031	0	0	0	0.00							0.00
LA 2	0.7764	0.4818	0.3621	0.4082	0.2793	0.42							2.73
TOTAL	0.7764	0.4849	0.3621	0.4082	0.2793	0.4174	0	0	0	0	0	0.00	2.73

RAW WATER

SOURCE	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	TOTAL
RVTP	1,374	2,235	2,096	2,490	4801	3445							16,440.84
ESTP	708	0	0	0	0	1706							2,414.30
Wells	265	243	256	253	249	249							1,513.48
TOTAL	2,347	2,478	2,351	2,742	5,049	5,400	0	0	0	0	0	0	20,368.62

S1/S2 TREATMENT



SOURCE	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	TOTAL
S1	137.13	129.09	130.51	130.97	132.2	129.15							789.06
S2	127.54	114.13	125.05	121.57	116.52	119.61							724.42
TOTAL	264.67	243.22	255.56	252.54	248.72	248.76	0	0	0	0	0	0	1513.48

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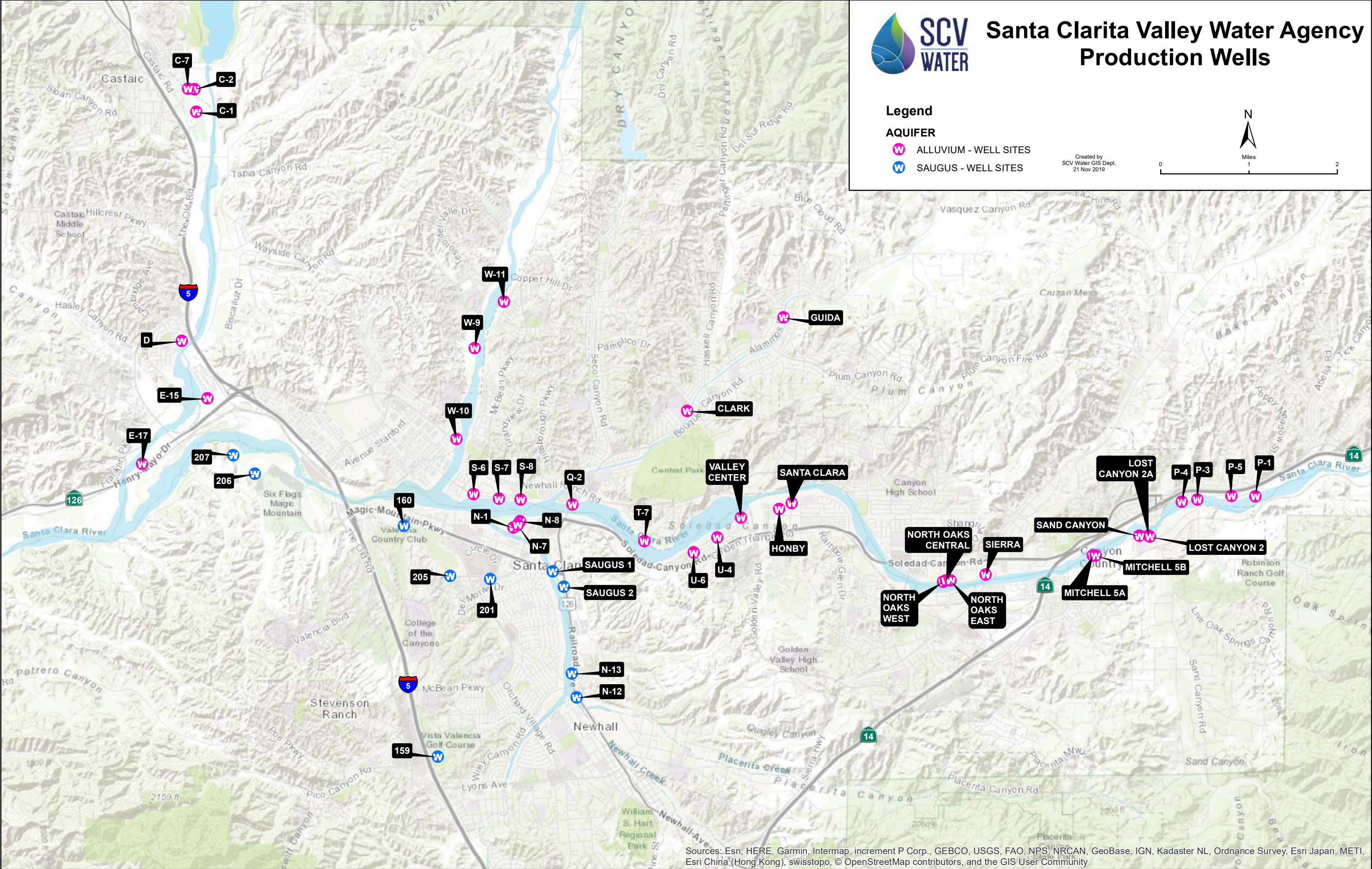
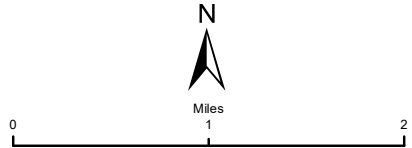


Santa Clarita Valley Water Agency Production Wells

Legend

- AQUIFER**
-  ALLUVIUM - WELL SITES
 -  SAUGUS - WELL SITES

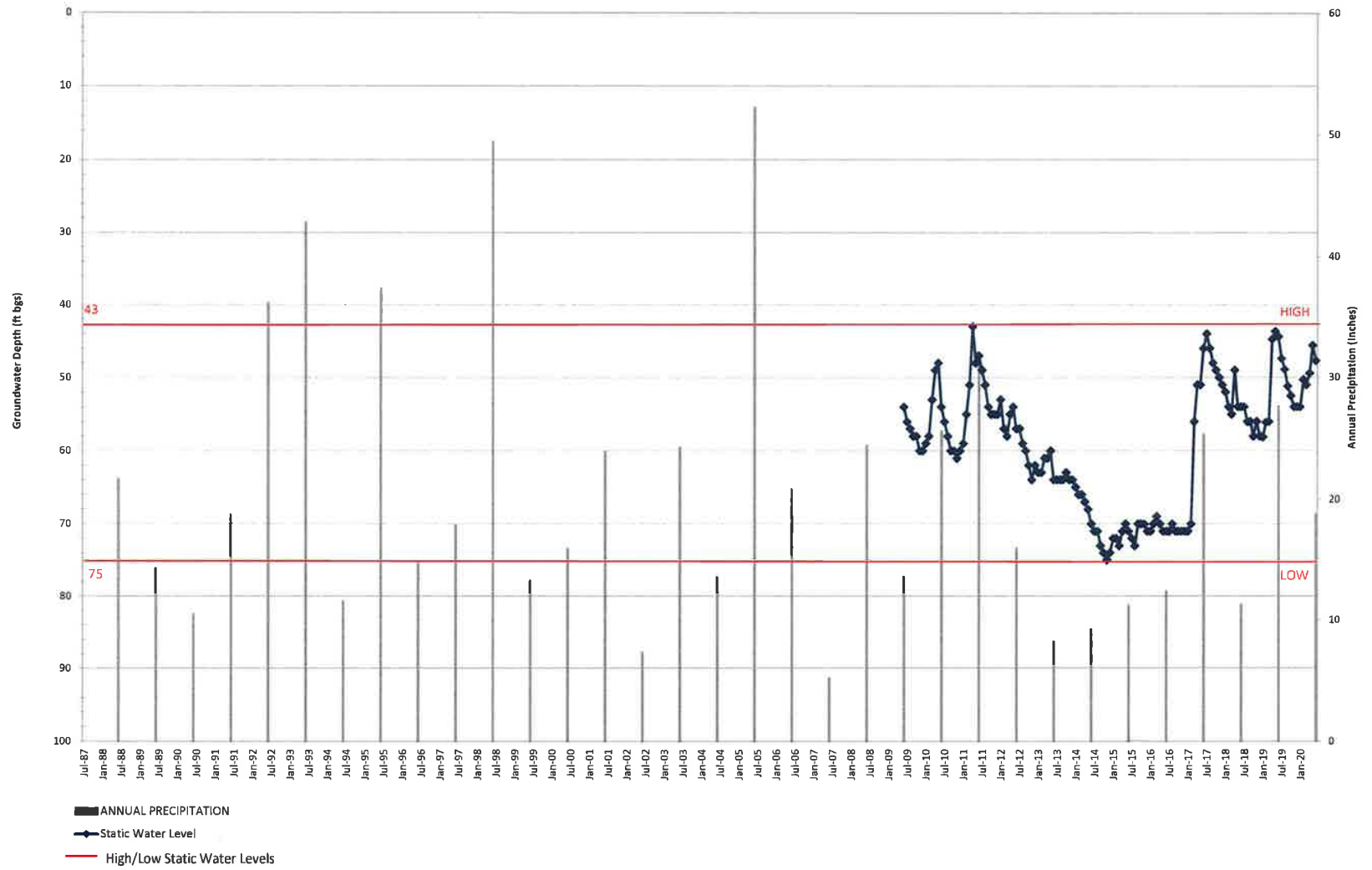
Created by
SCV Water GIS Dept.
21 Nov 2019



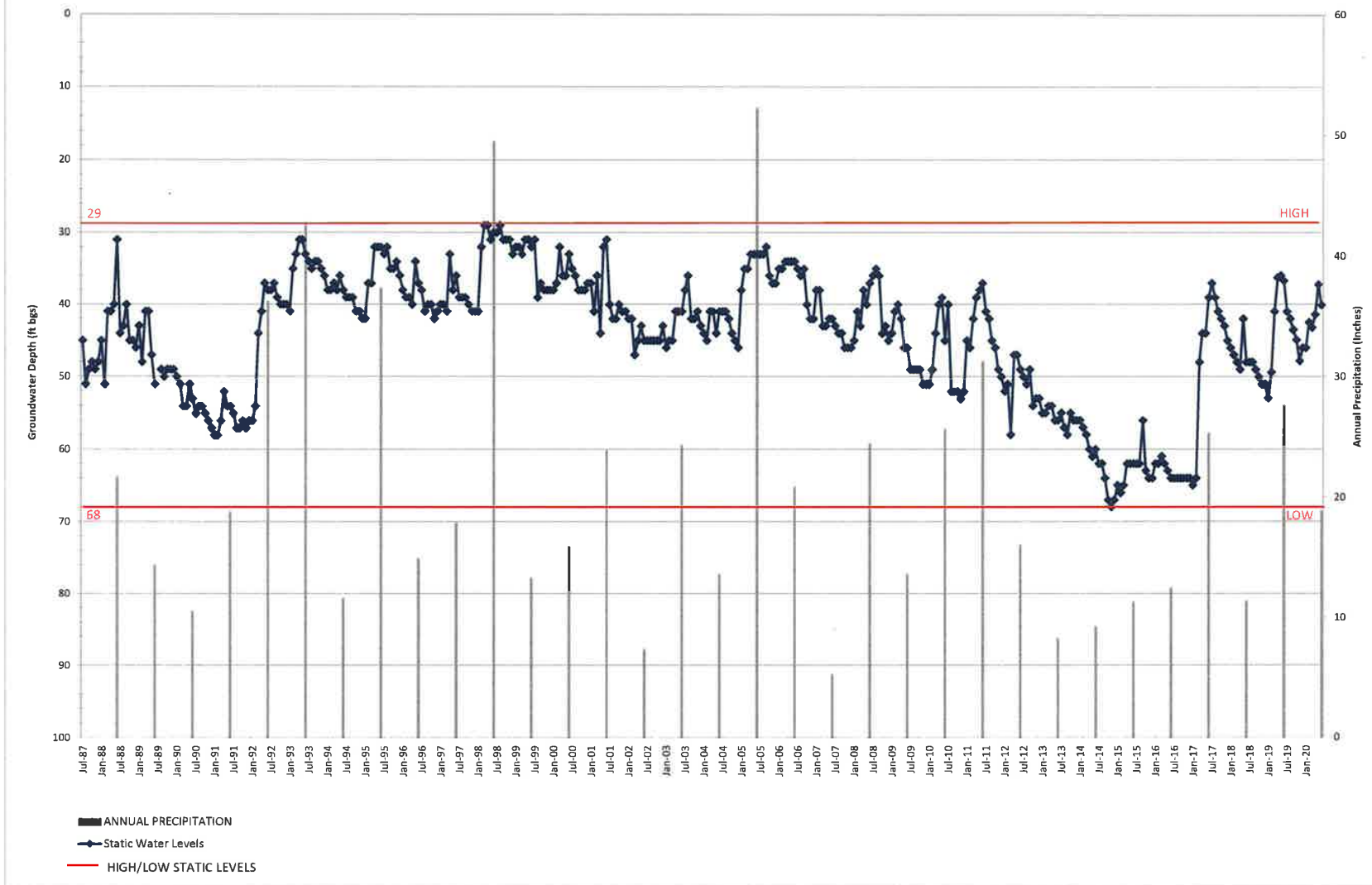
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

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SCV WATER WELL C7
 STATIC WATER LEVEL VS PRECIPITATION



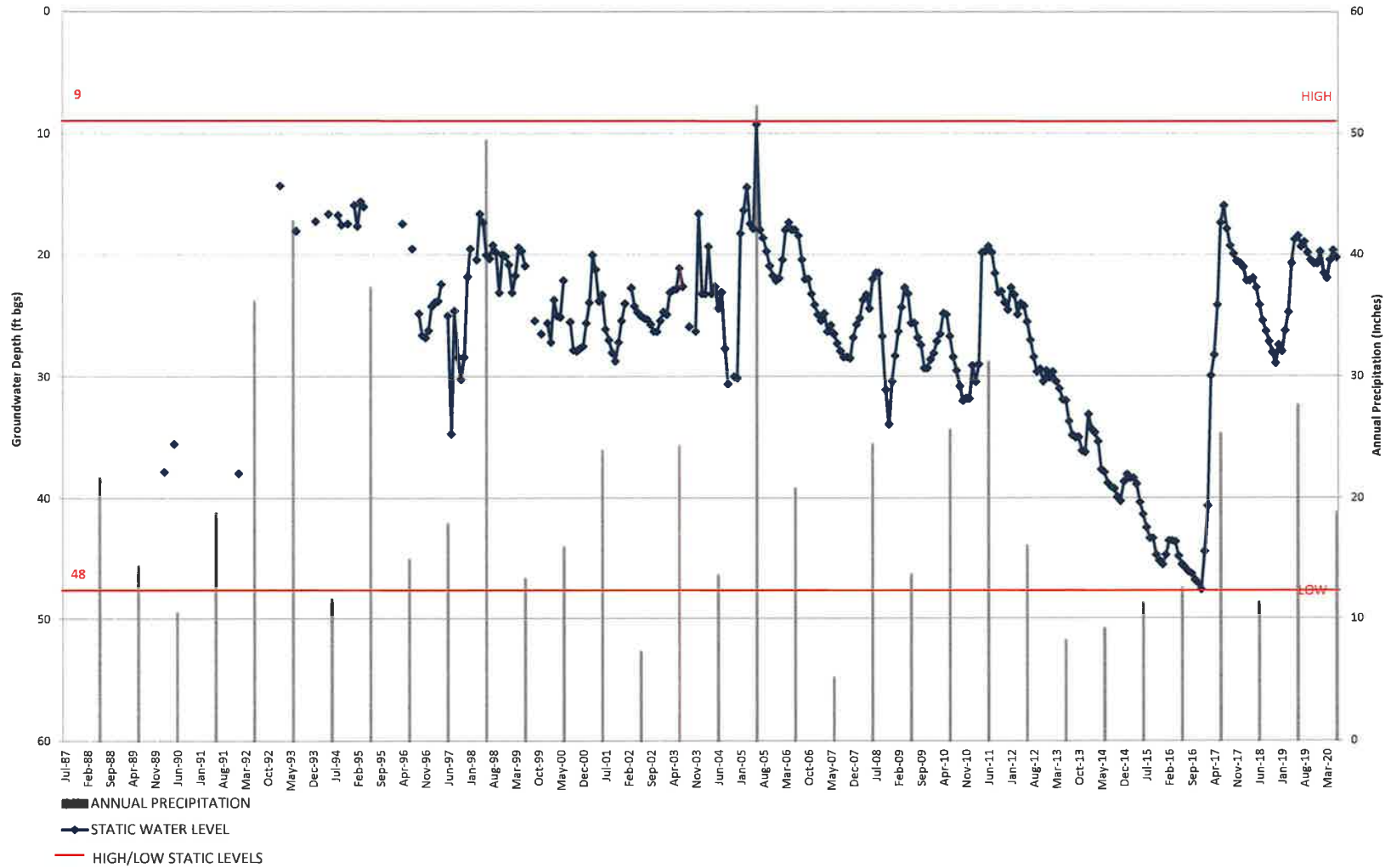
SCV WATER WELL C2
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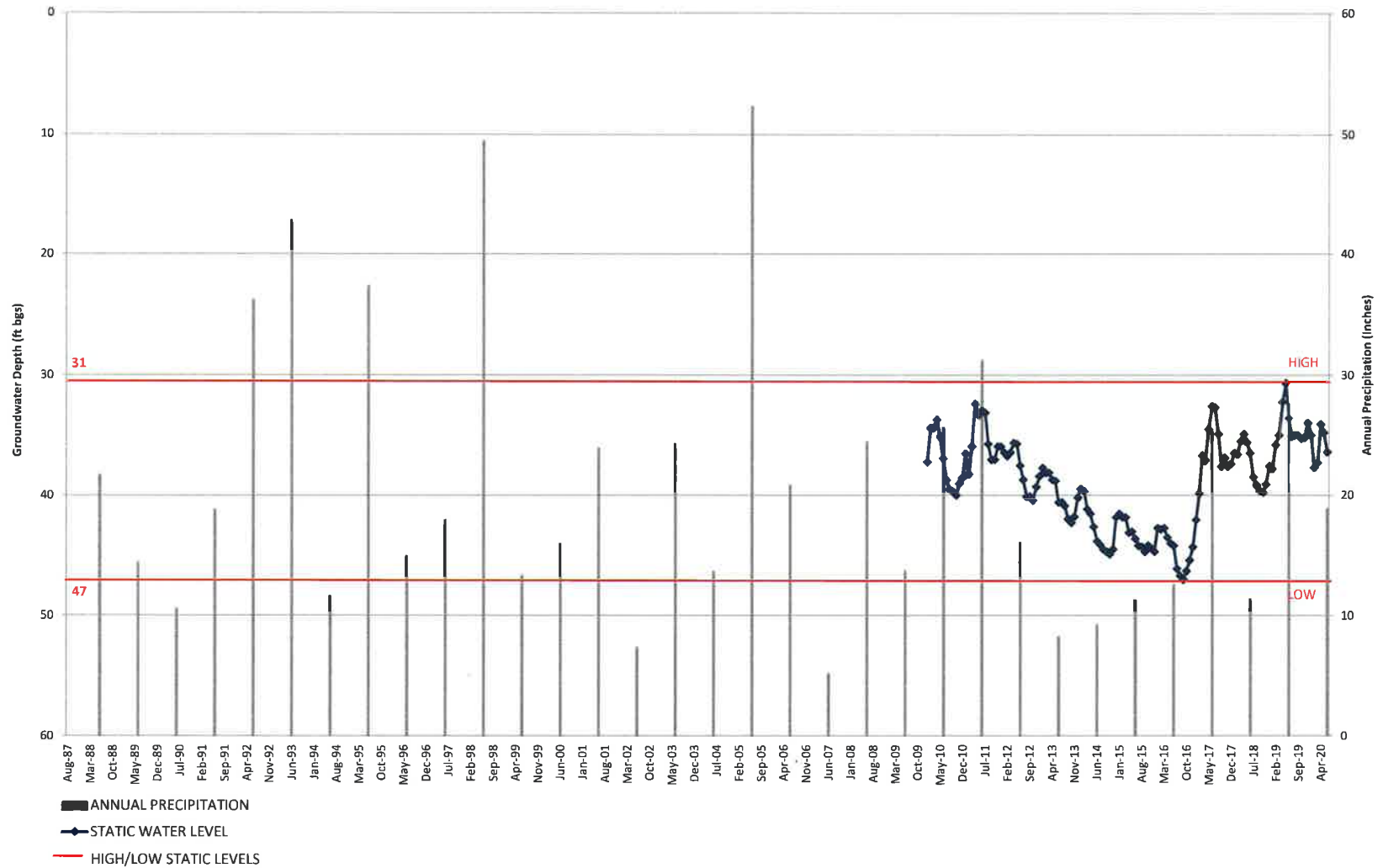
SCV WATER WELL C1
 STATIC WATER LEVEL VS PRECIPITATION



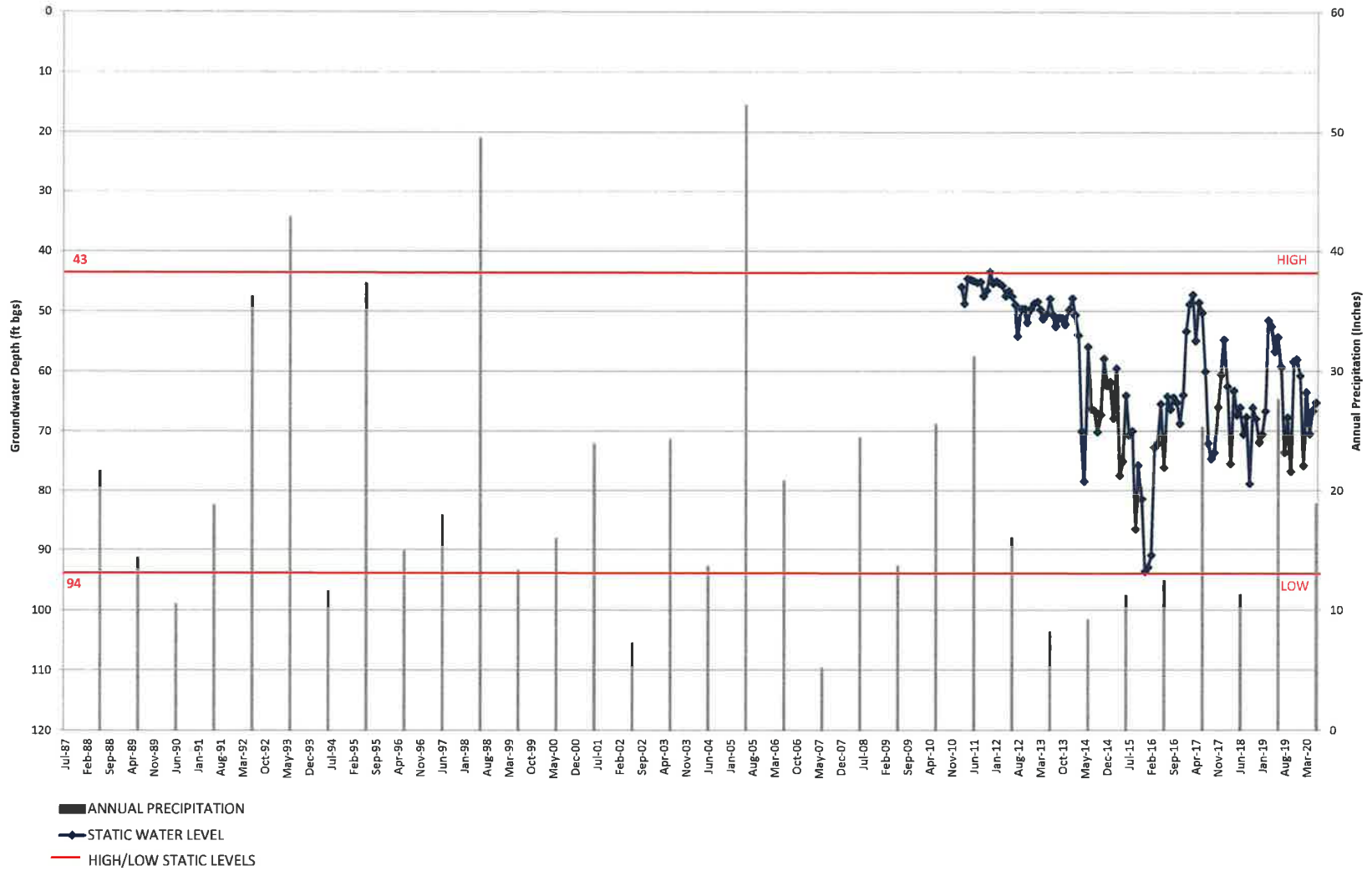
SCV WATER WELL D
 STATIC WATER LEVEL VS PRECIPITATION



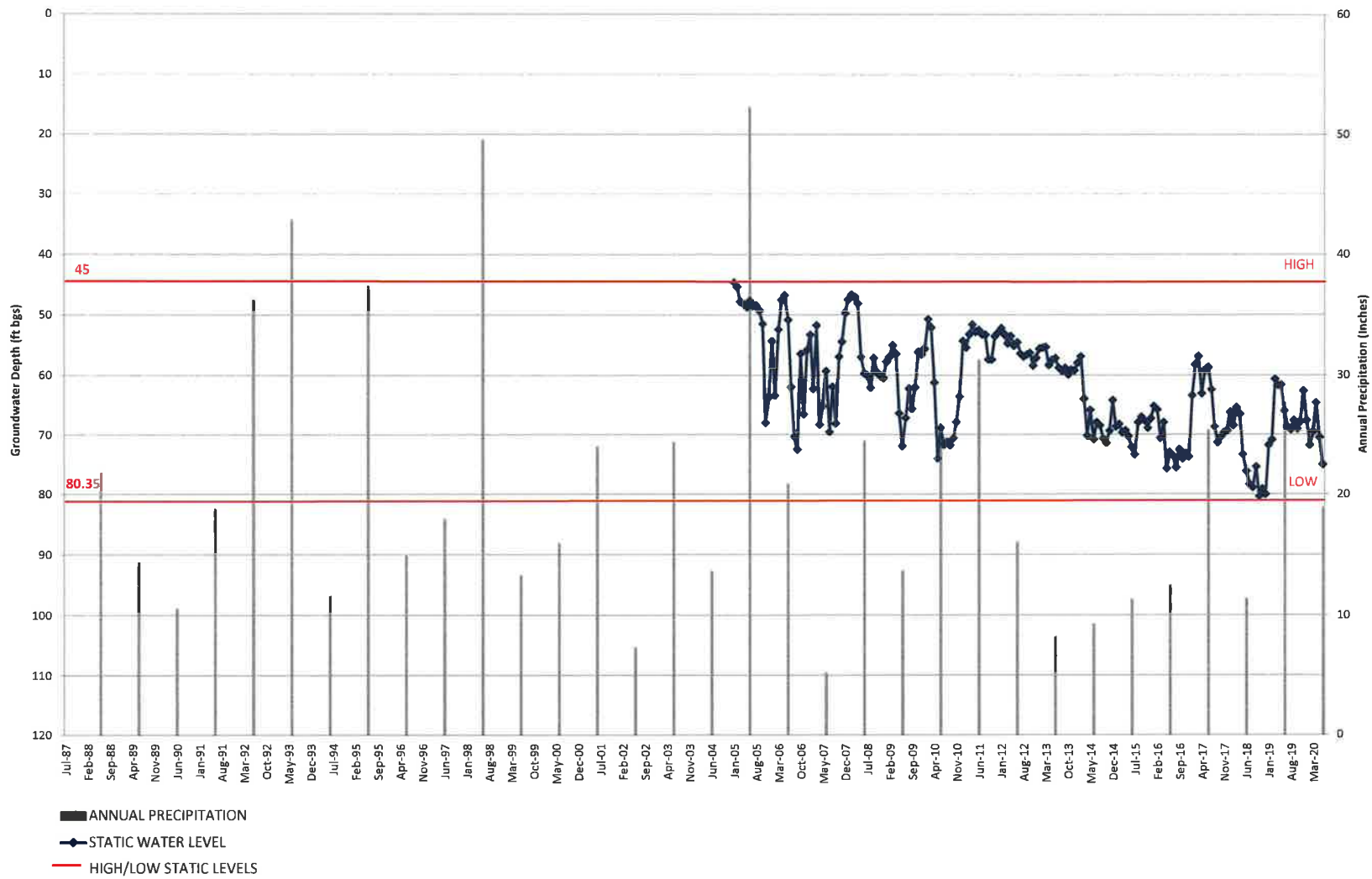
SCV WATER WELL E15
STATIC WATER LEVEL VS. PRECIPITATION



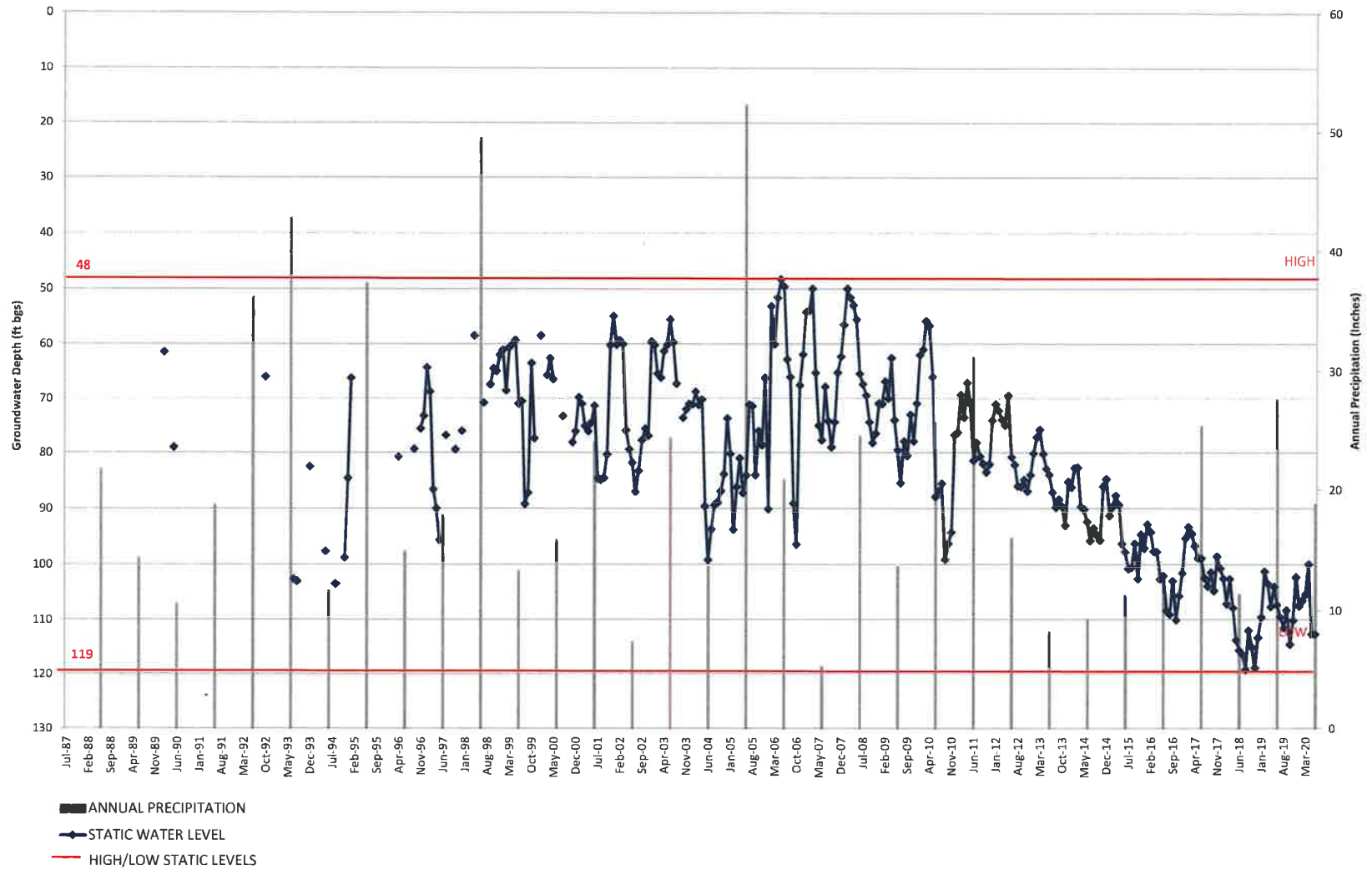
SCV WATER WELL 207
STATIC WATER LEVEL VS PRECIPITATION



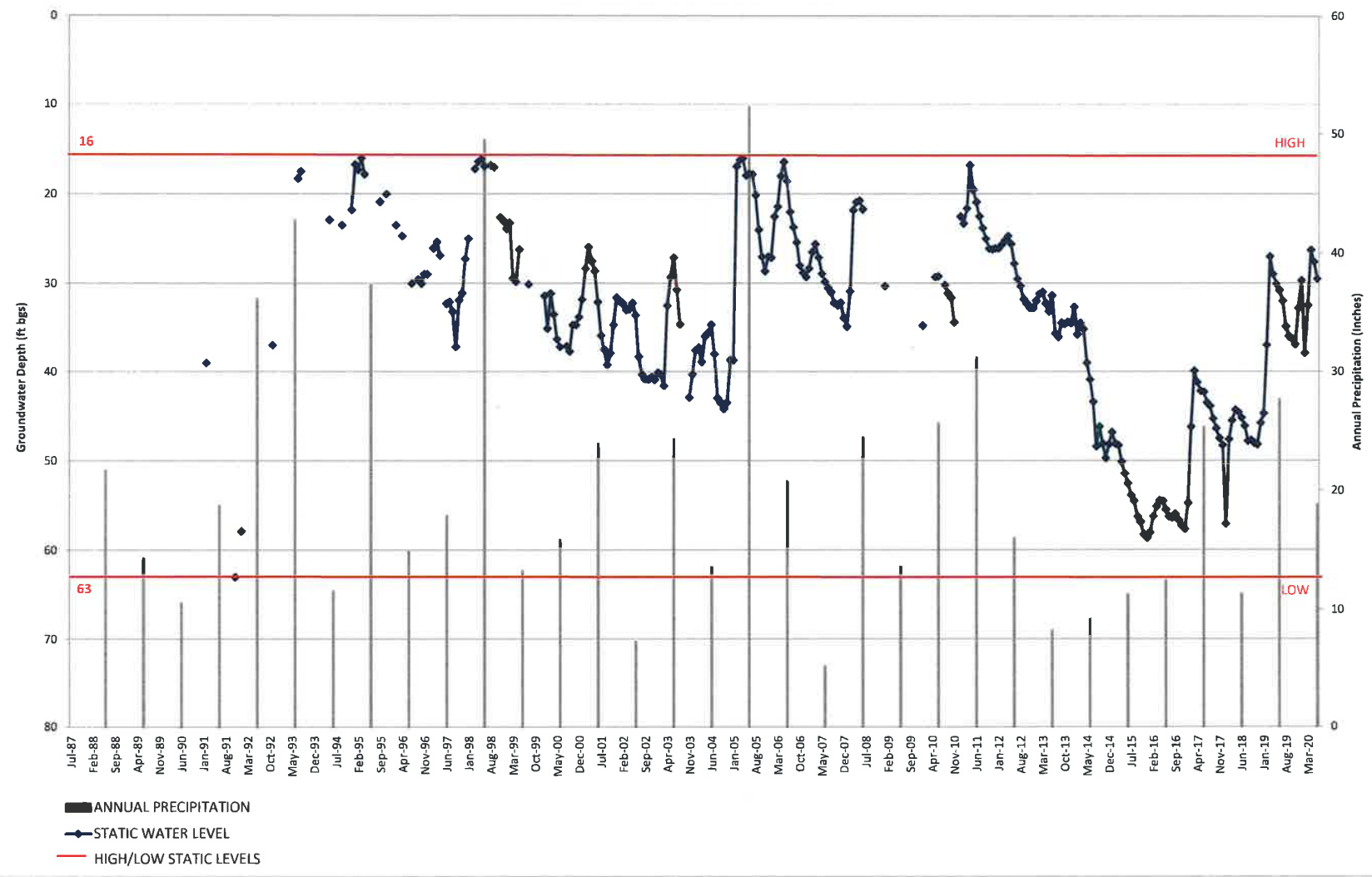
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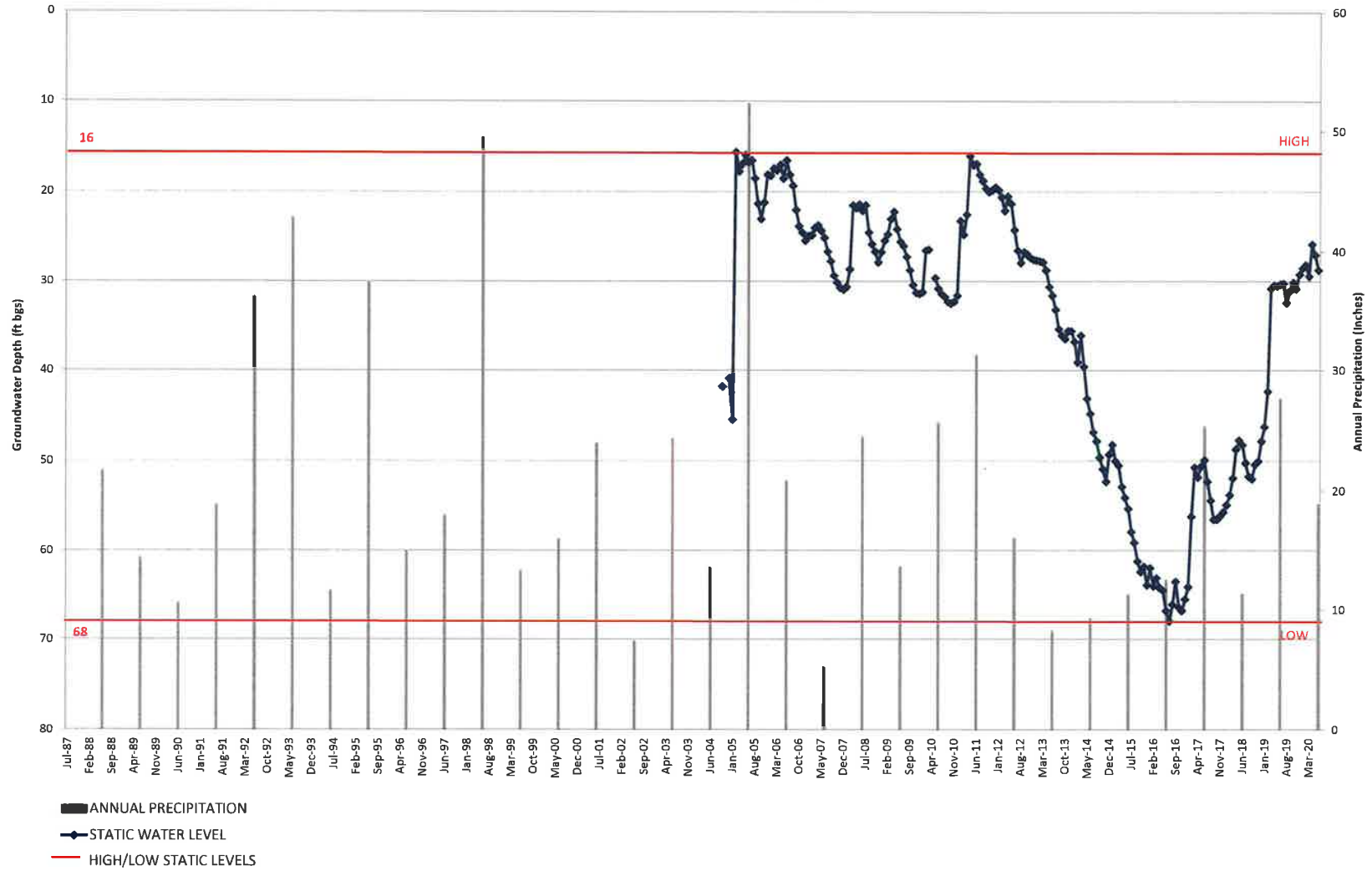
SCV WATER WELL 160
STATIC WATER LEVEL VS PRECIPITATION



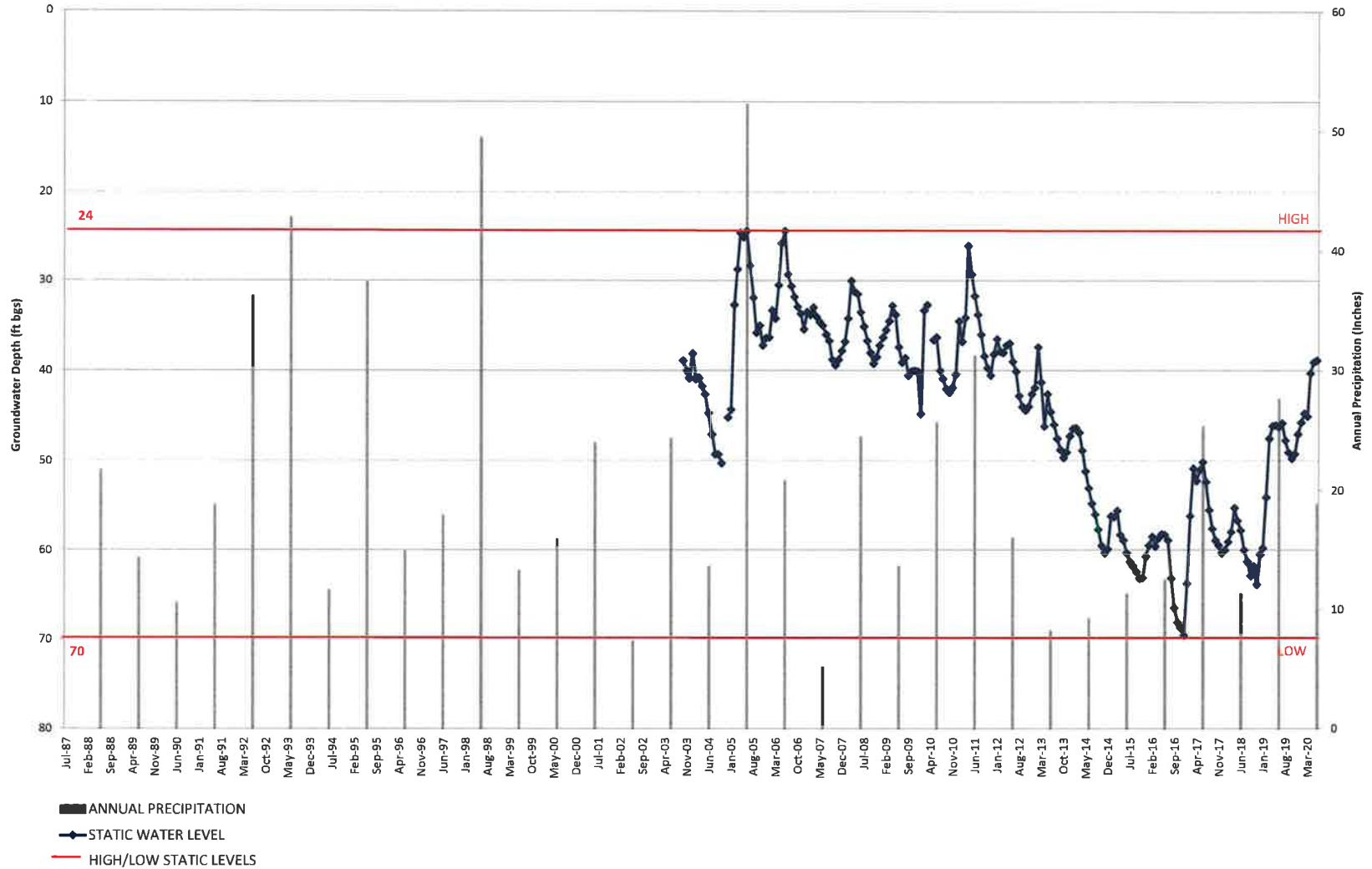
SCV WATER WELL W9
 STATIC WATER LEVEL VS PRECIPITATION



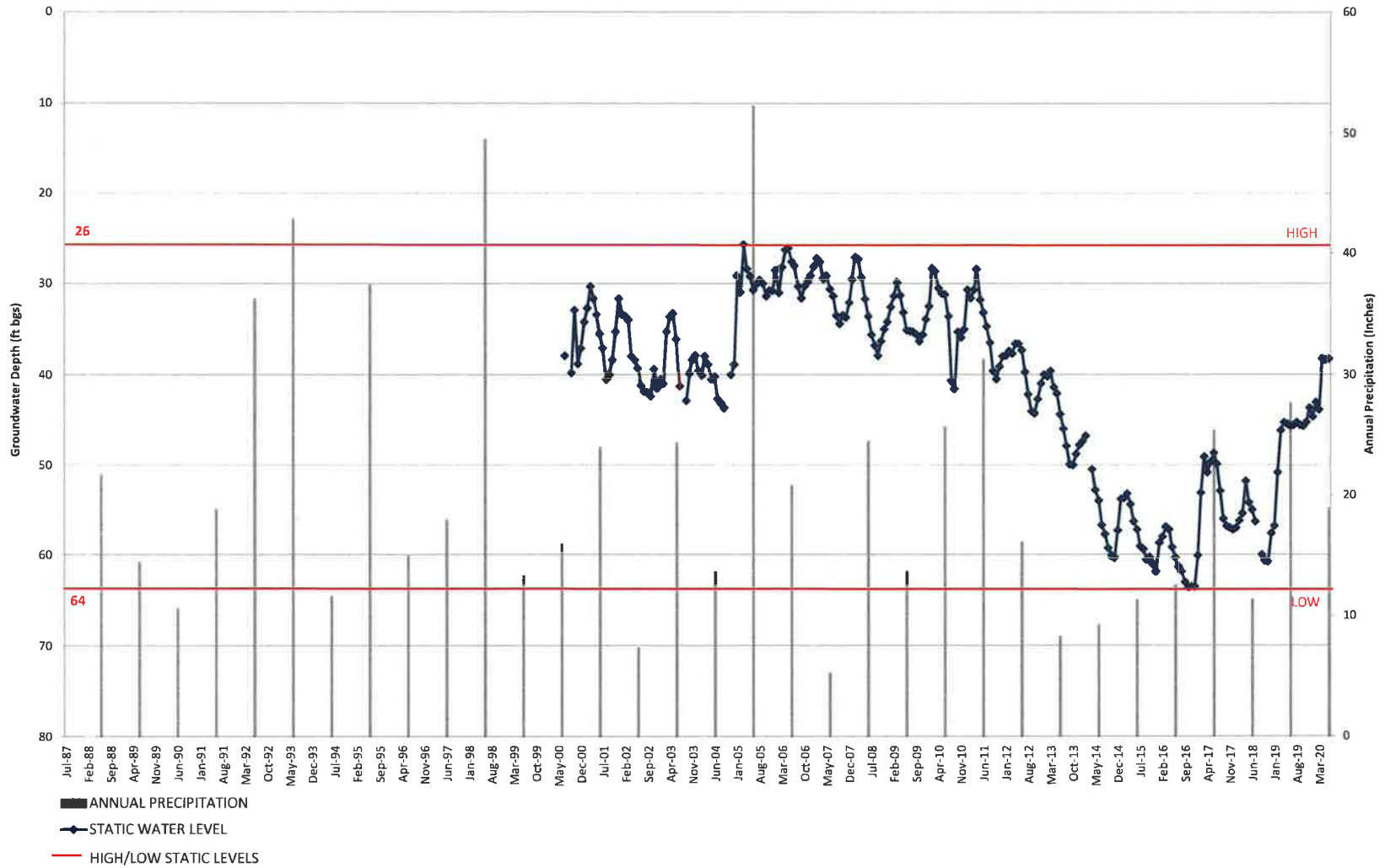
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 STATIC WATER LEVEL PRECIPITATION



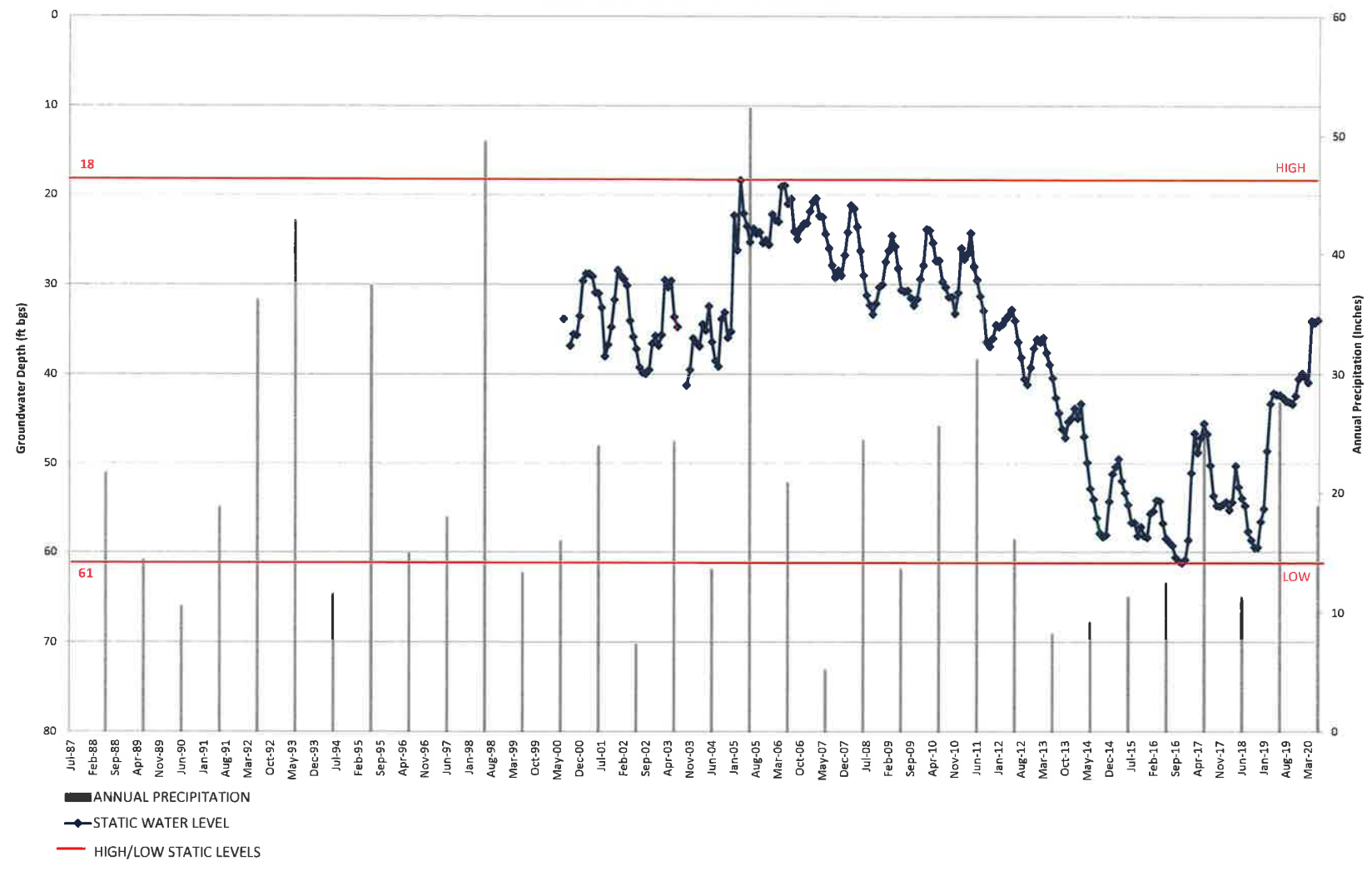
SCV WATER WELL W10
STATIC WATER LEVEL VS PRECIPITATION



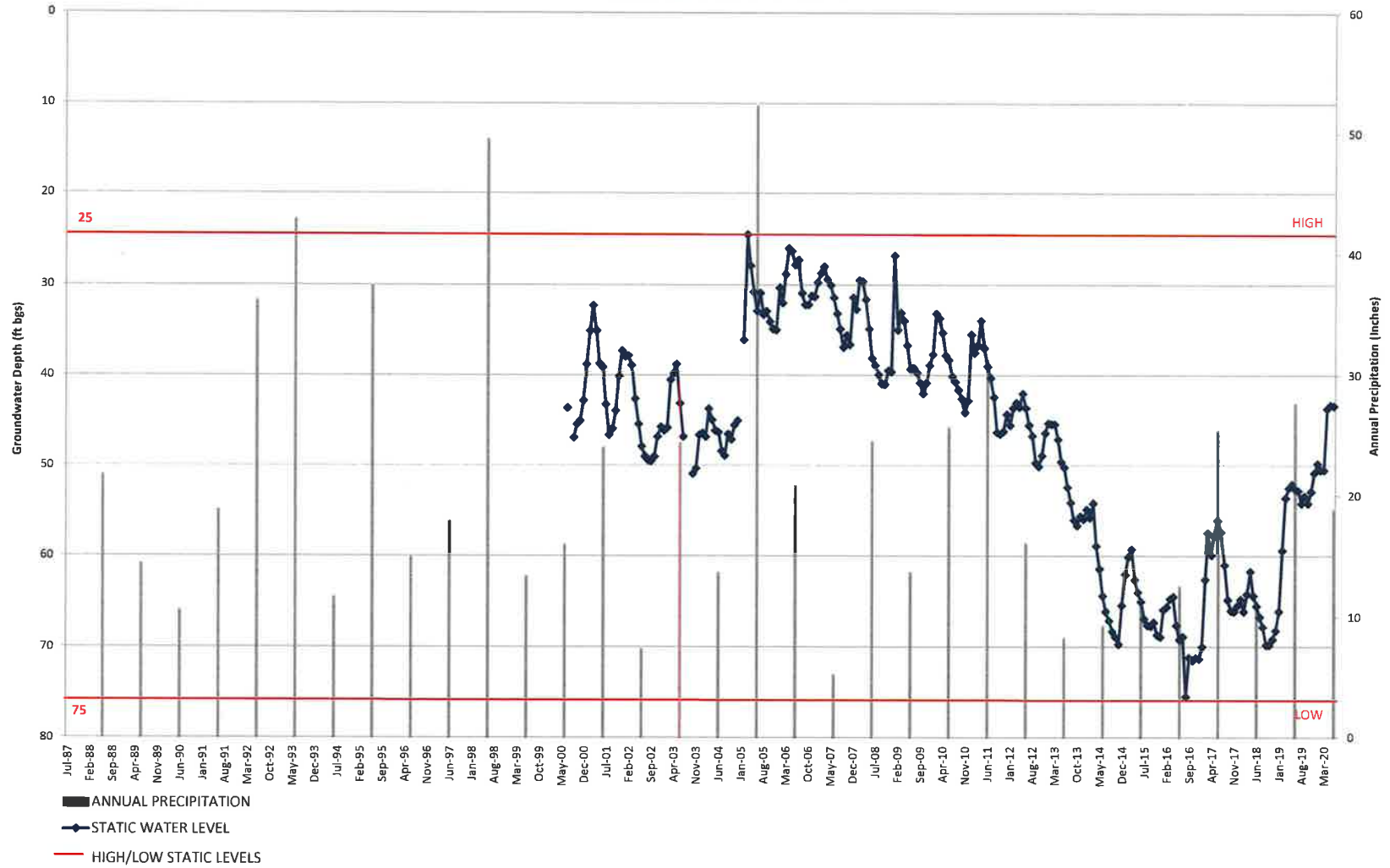
SCV WATER WELL S6
 STATIC WATER LEVEL VS PRECIPITATION



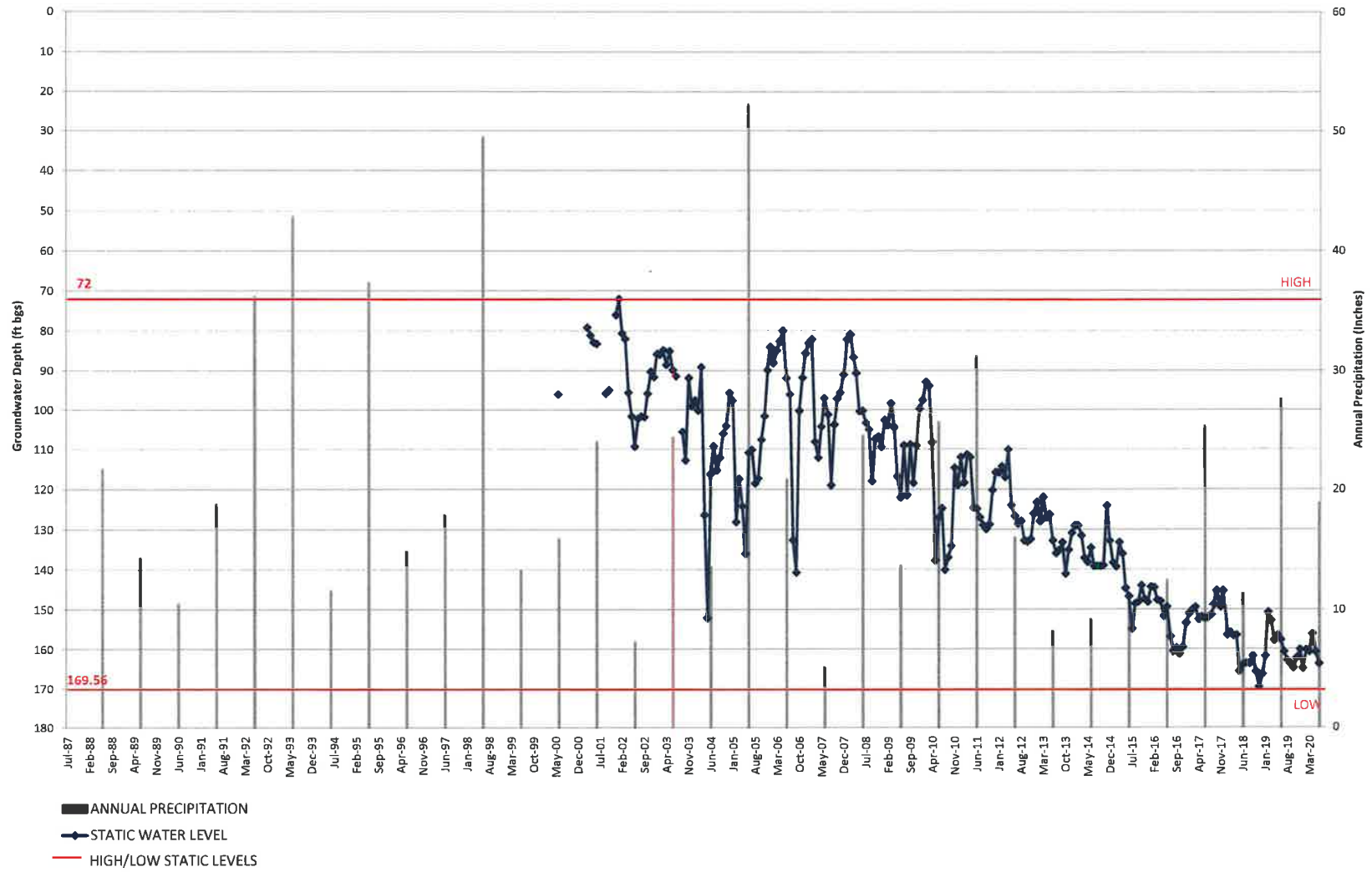
SCV WATER WELL S7
STATIC WATER LEVEL VS PRECIPITATION



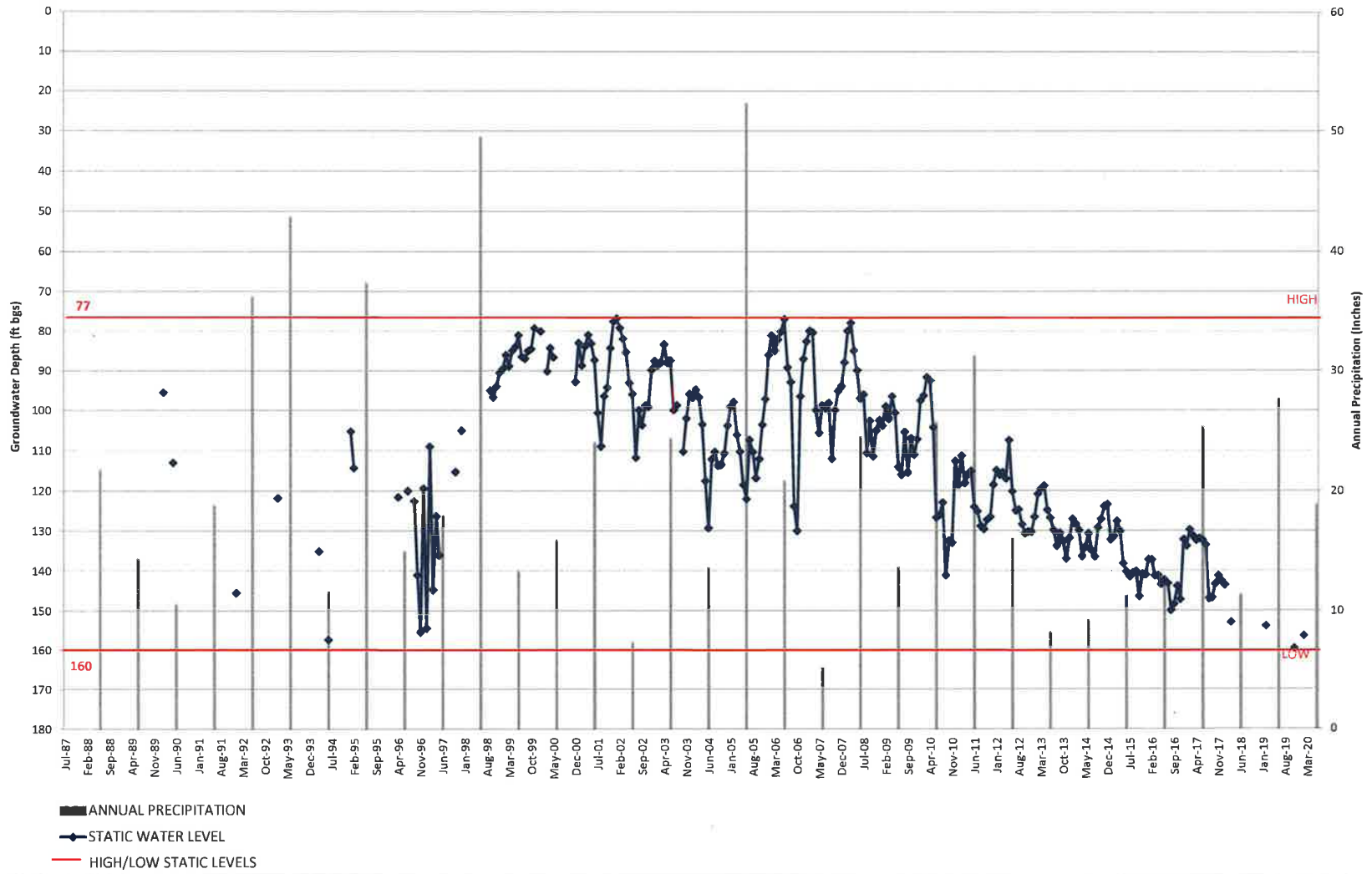
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 STATIC WATER LEVEL VS PRECIPITATION



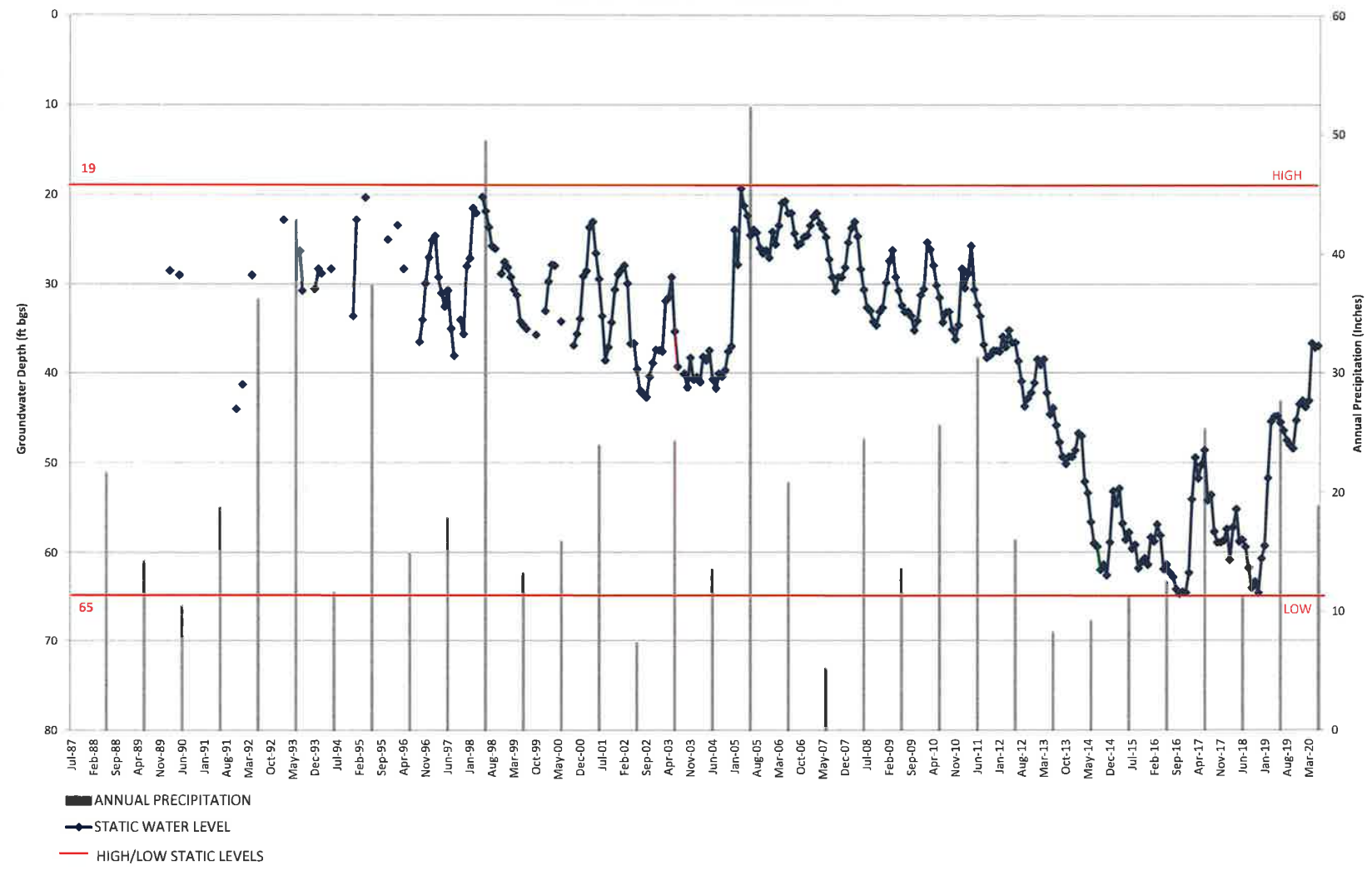
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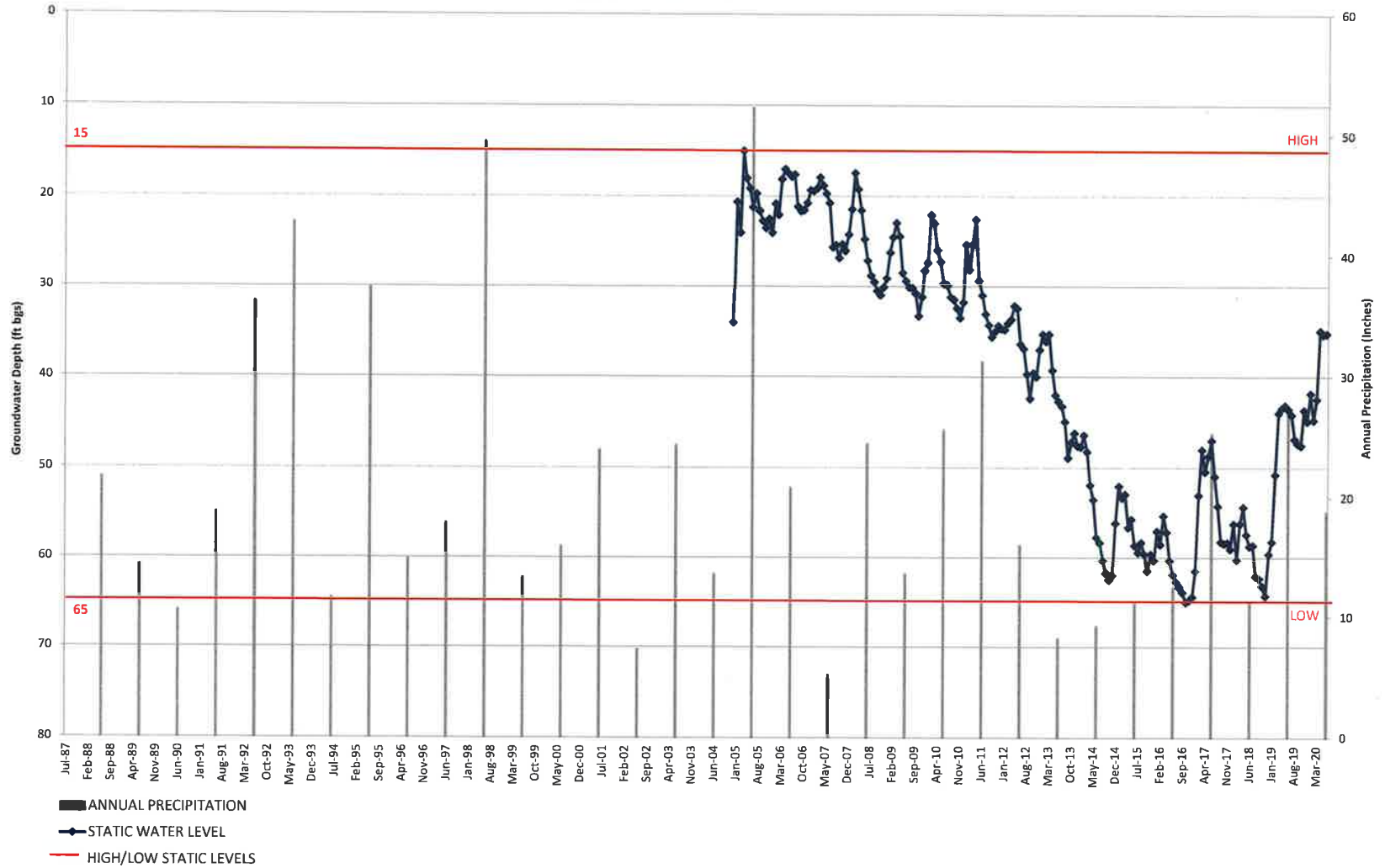
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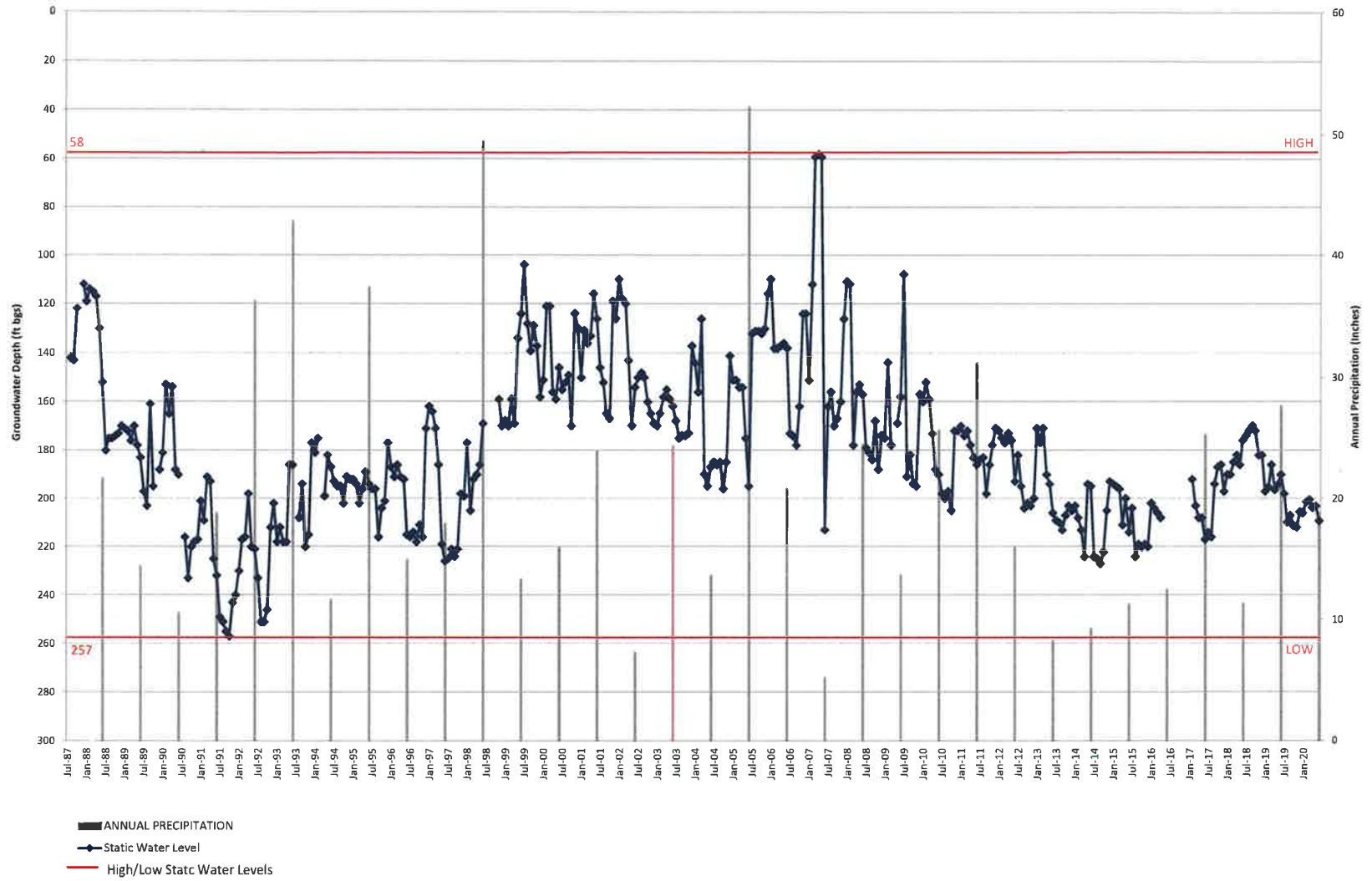
SCV WATER WELL N
STATIC WATER LEVEL VS PRECIPITATION



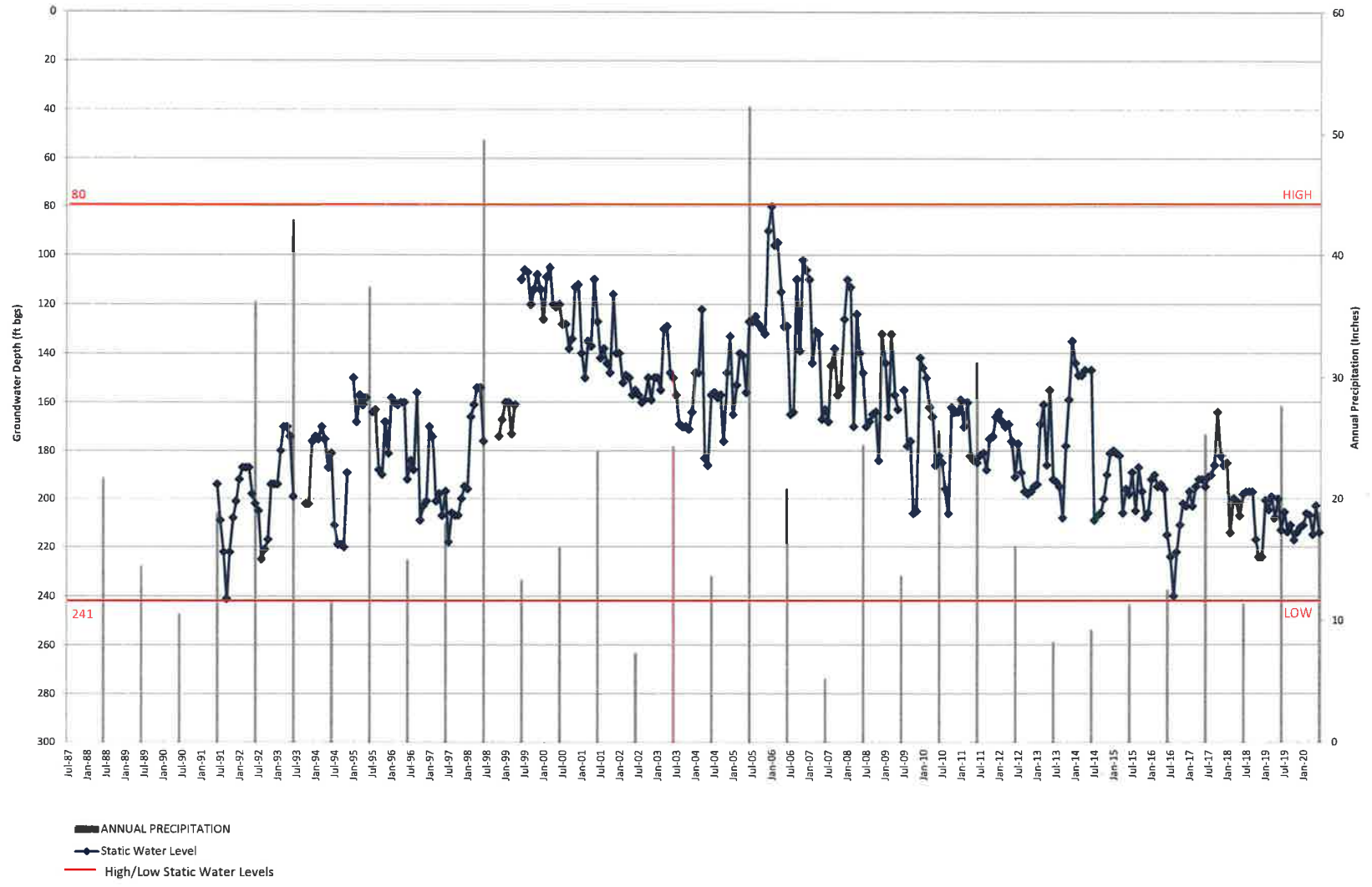
SCV WATER WELL N7
STATIC WATER LEVEL VS PRECIPITATION



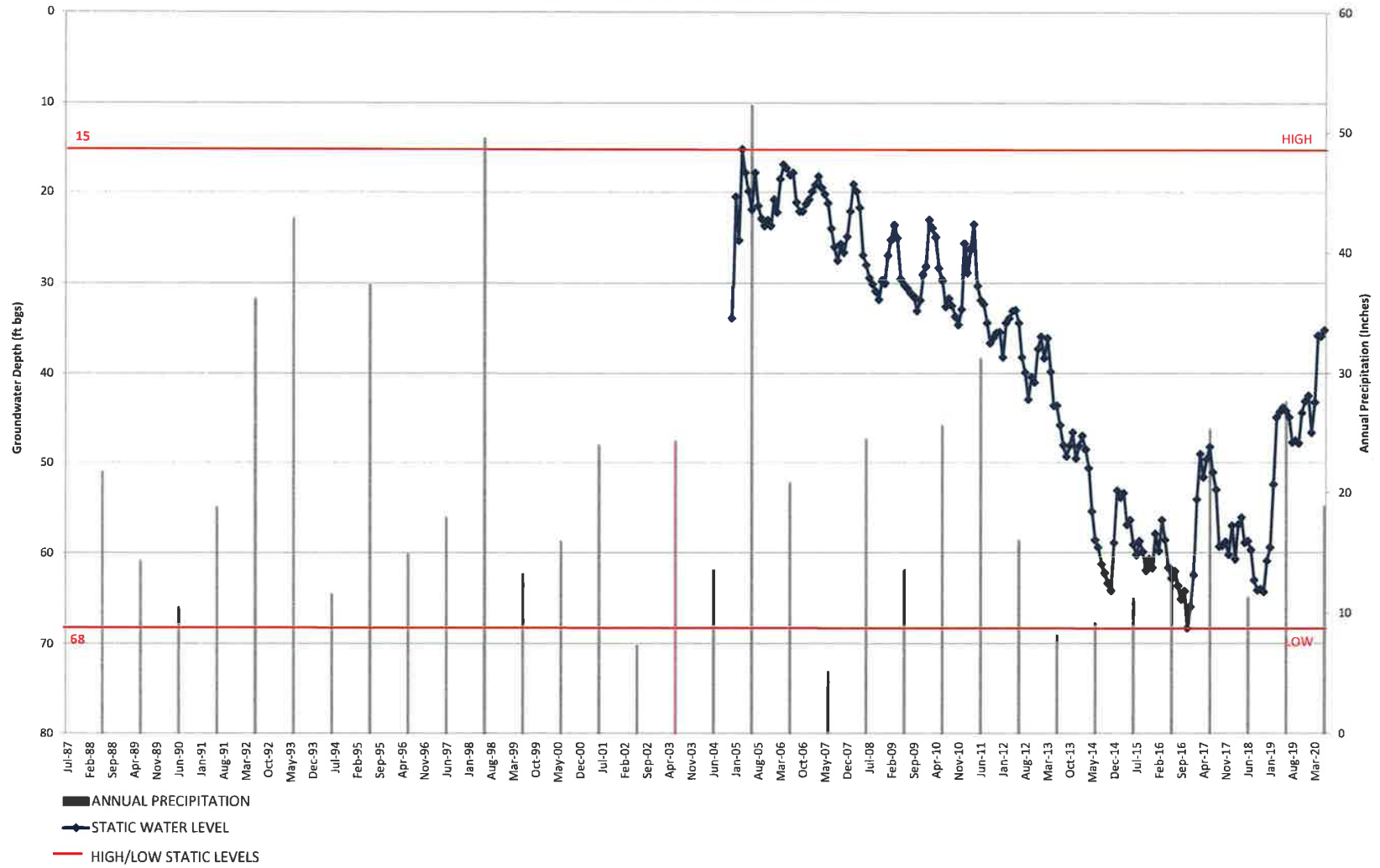
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 STATIC WATER LEVEL VS PRECIPITATION



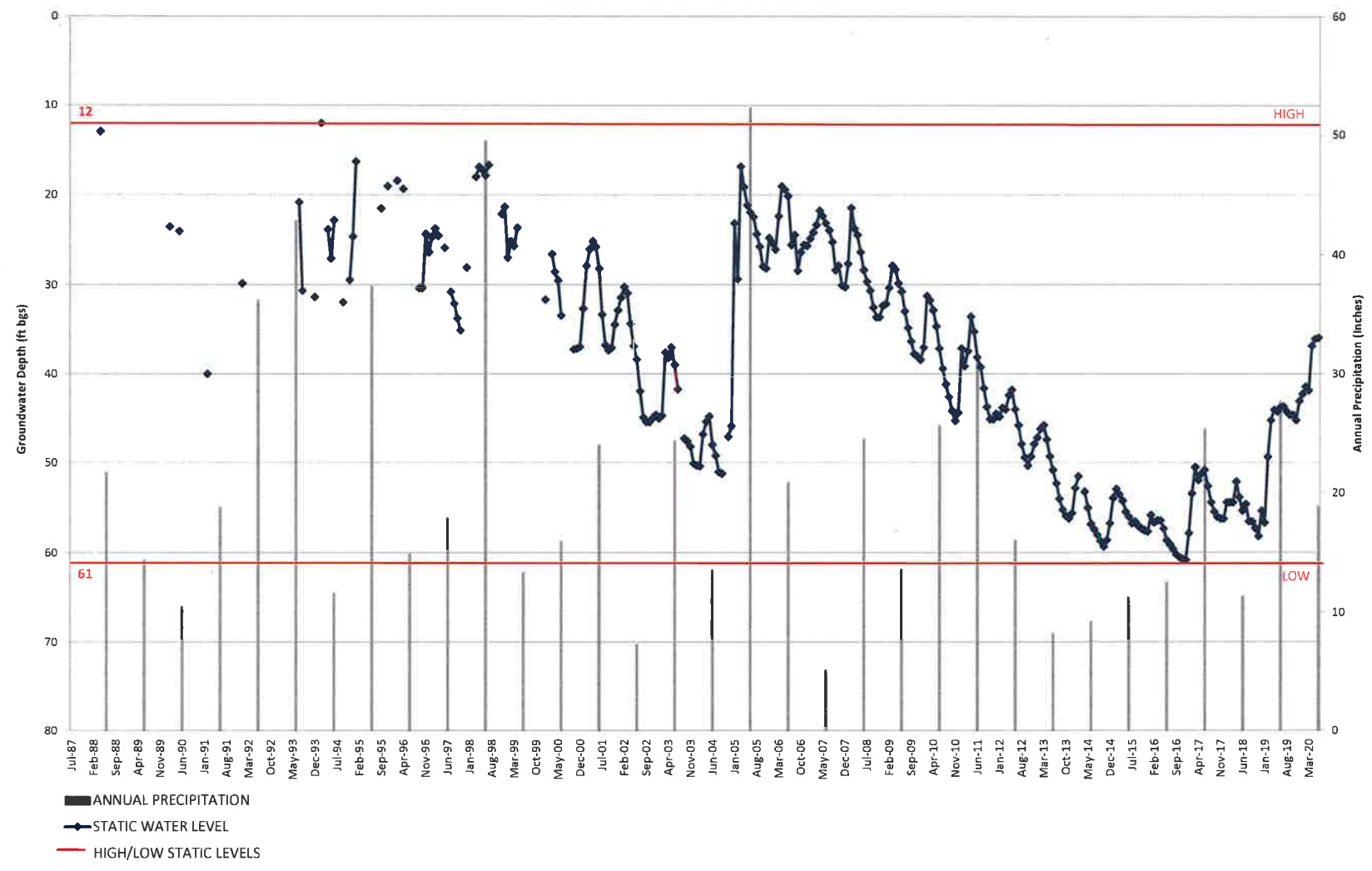
SCV WATER WELL N13
STATIC WATER LEVEL VS PRECIPITATION



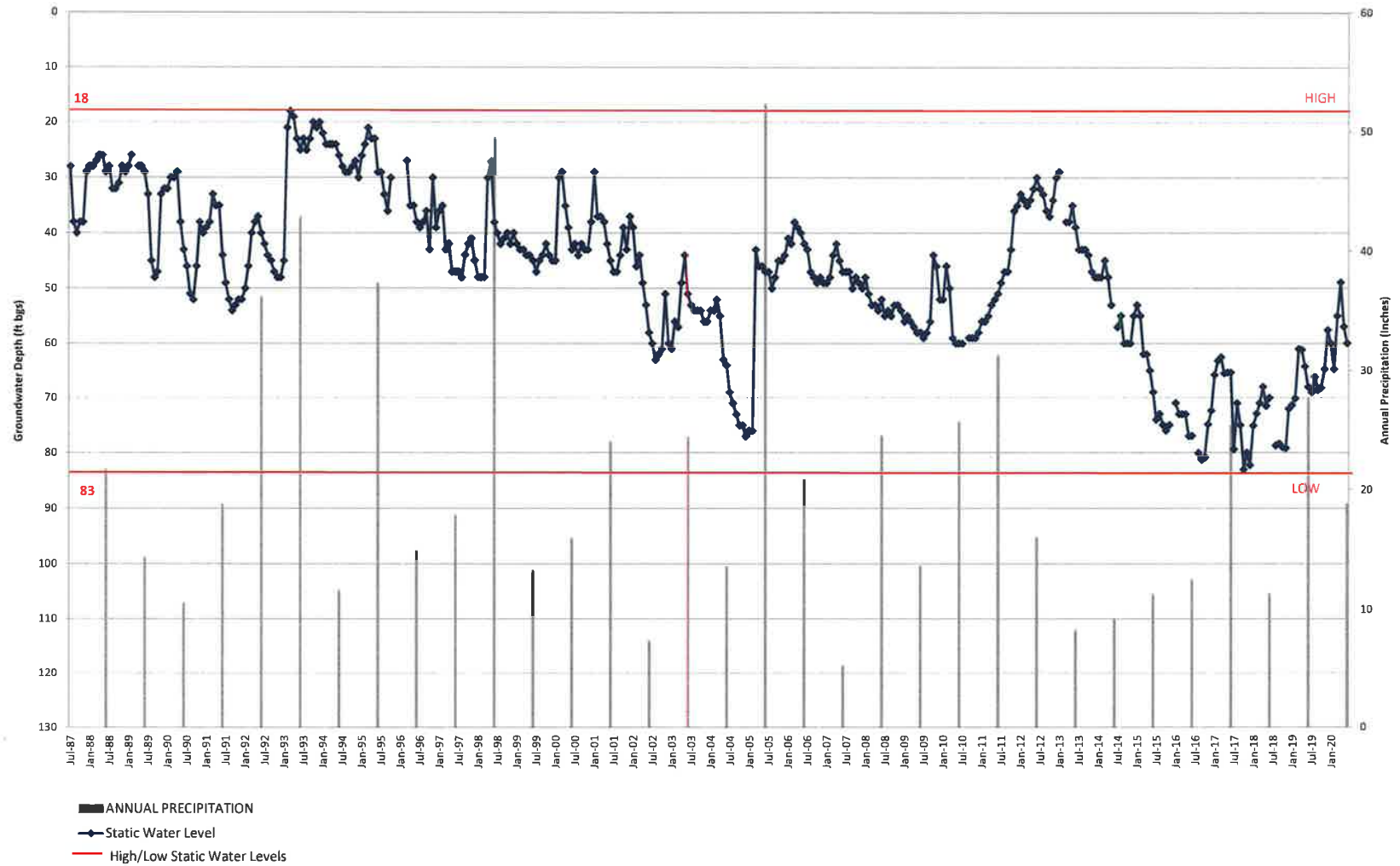
SCV WATER WELL N8
STATIC WATER LEVEL VS PRECIPITATION



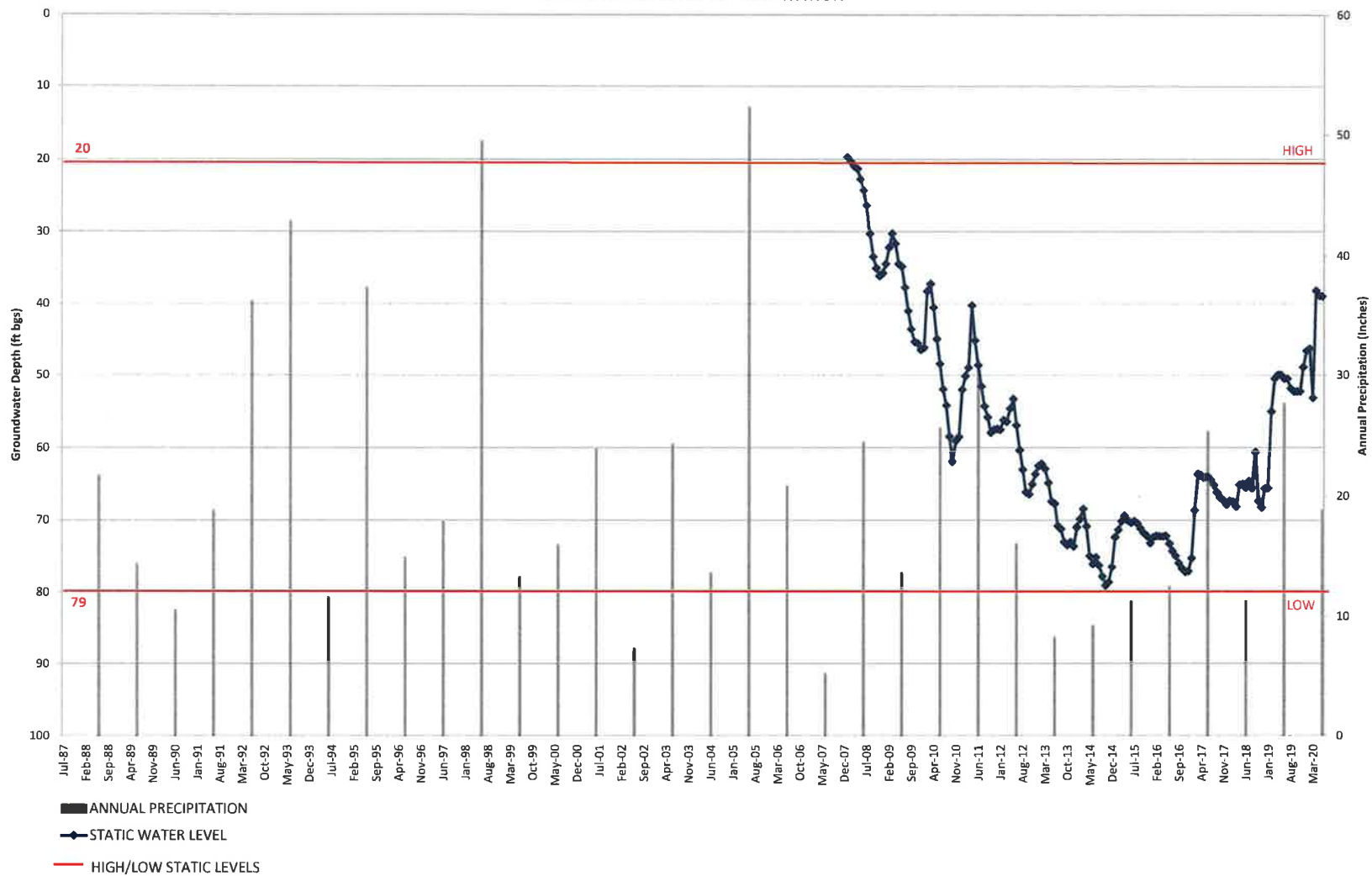
SCV WATER WELL Q2
STATIC WATER LEVEL VS PRECIPITATION



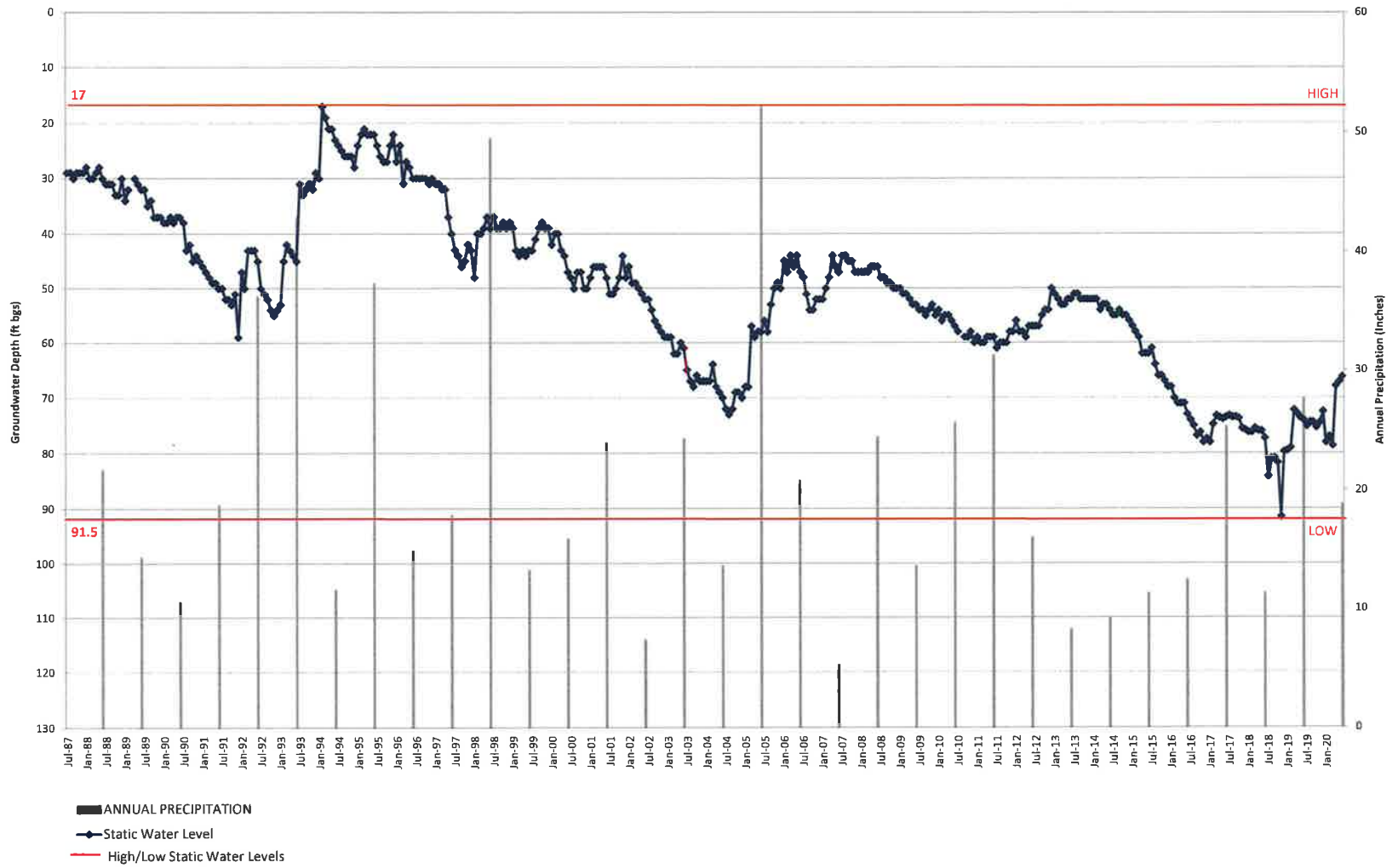
SCV WATER WELL GUIDA #14
STATIC WATER LEVEL VS PRECIPITATION



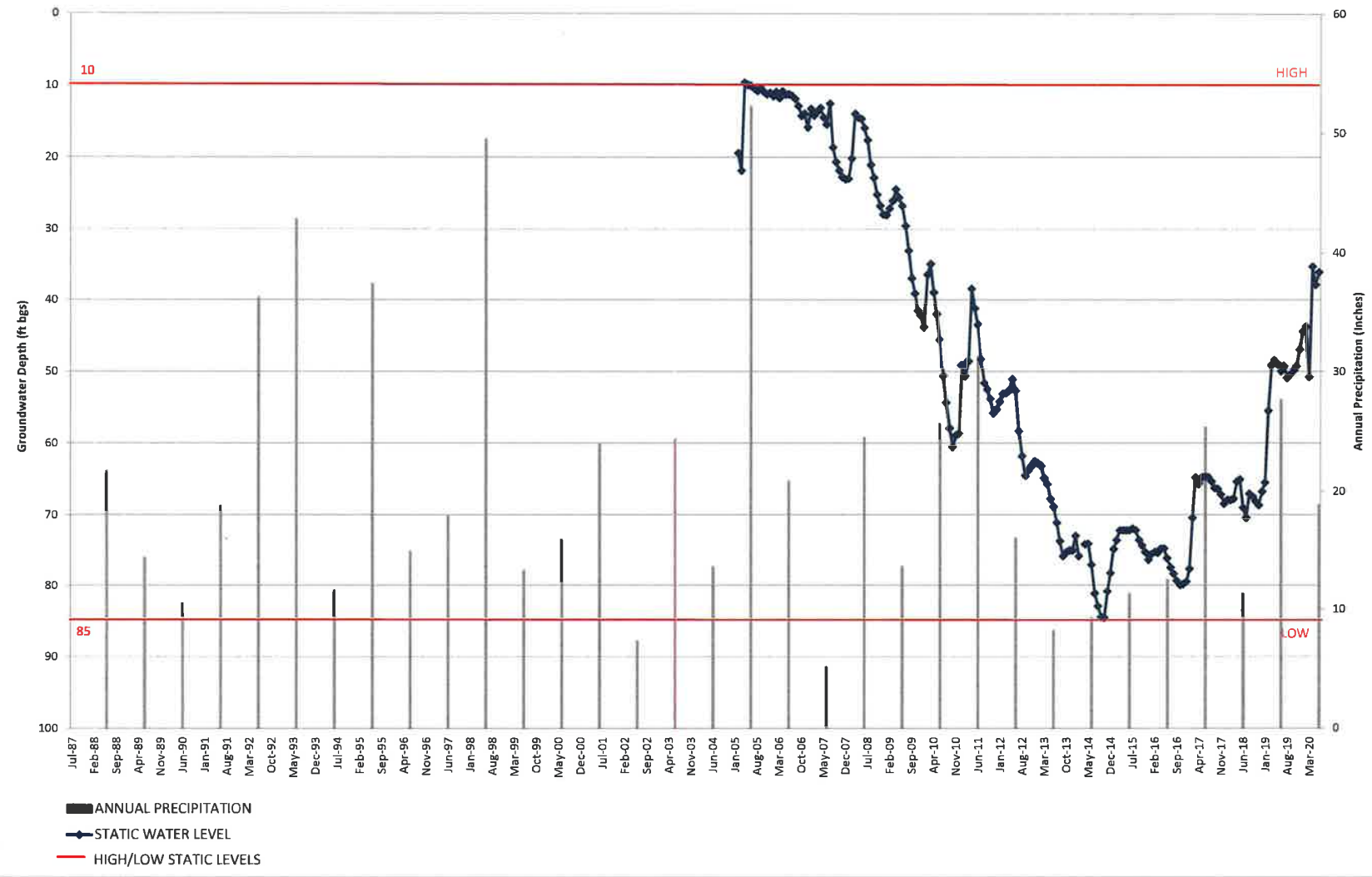
SCV WATER WELL T7
STATIC WATER LEVEL VS PRECIPITATION



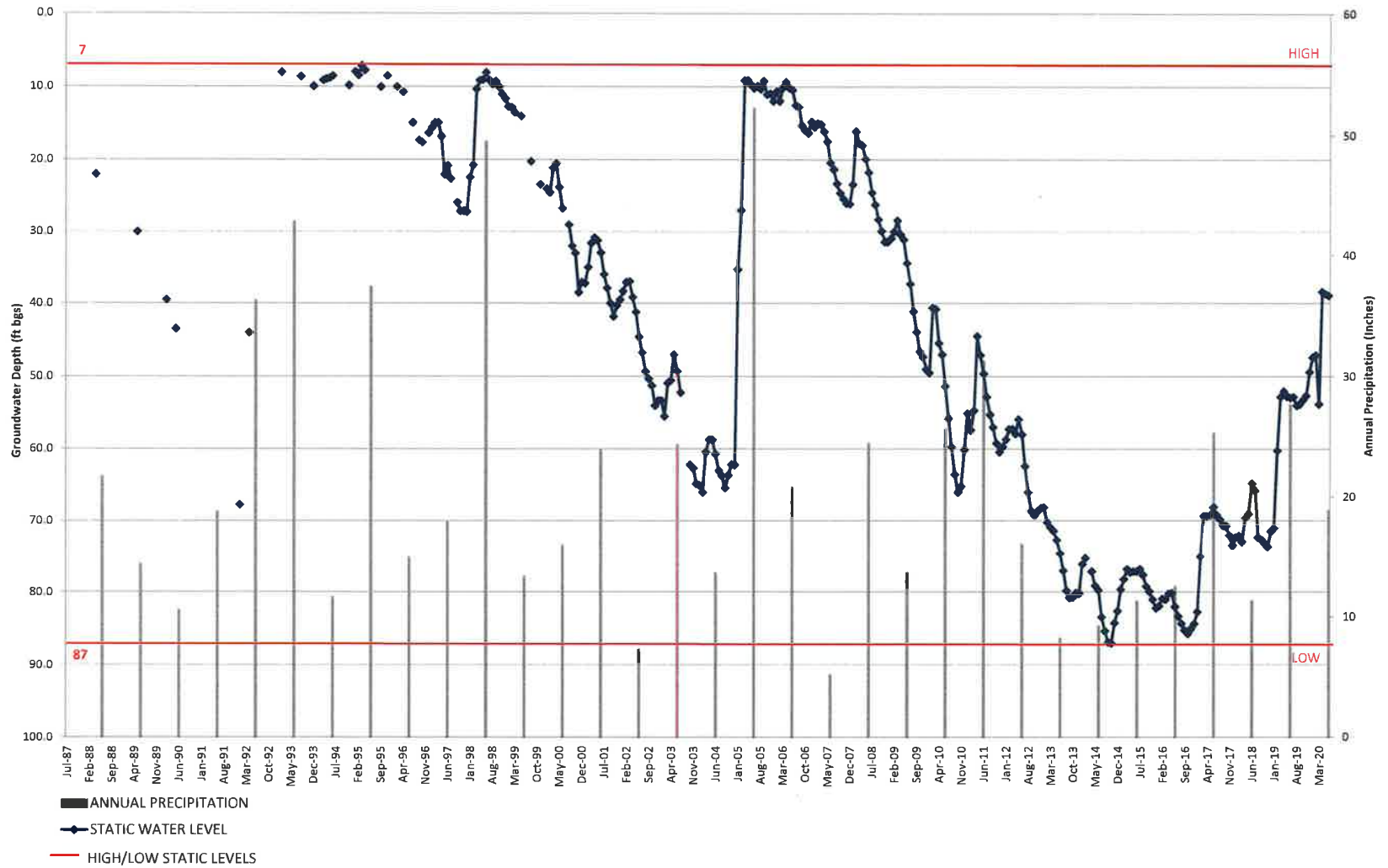
SCV WATER WELL CLARK #15
STATIC WATER LEVEL VS PRECIPITATION



SCV WATER WELL U6
 STATIC WATER LEVEL VS PRECIPITATION



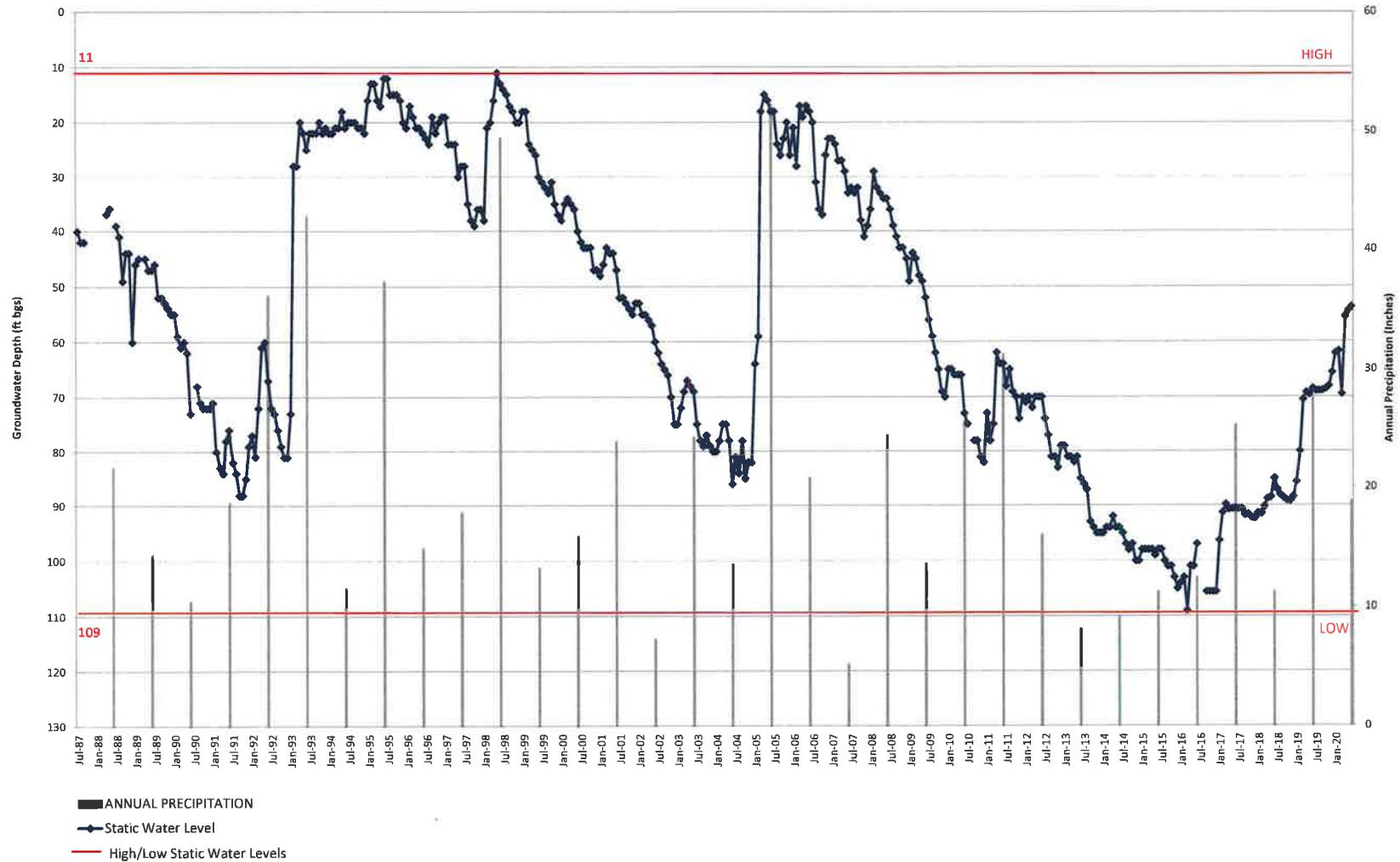
SCV WATER WELL U4
 STATIC WATER LEVEL VS PRECIPITATION



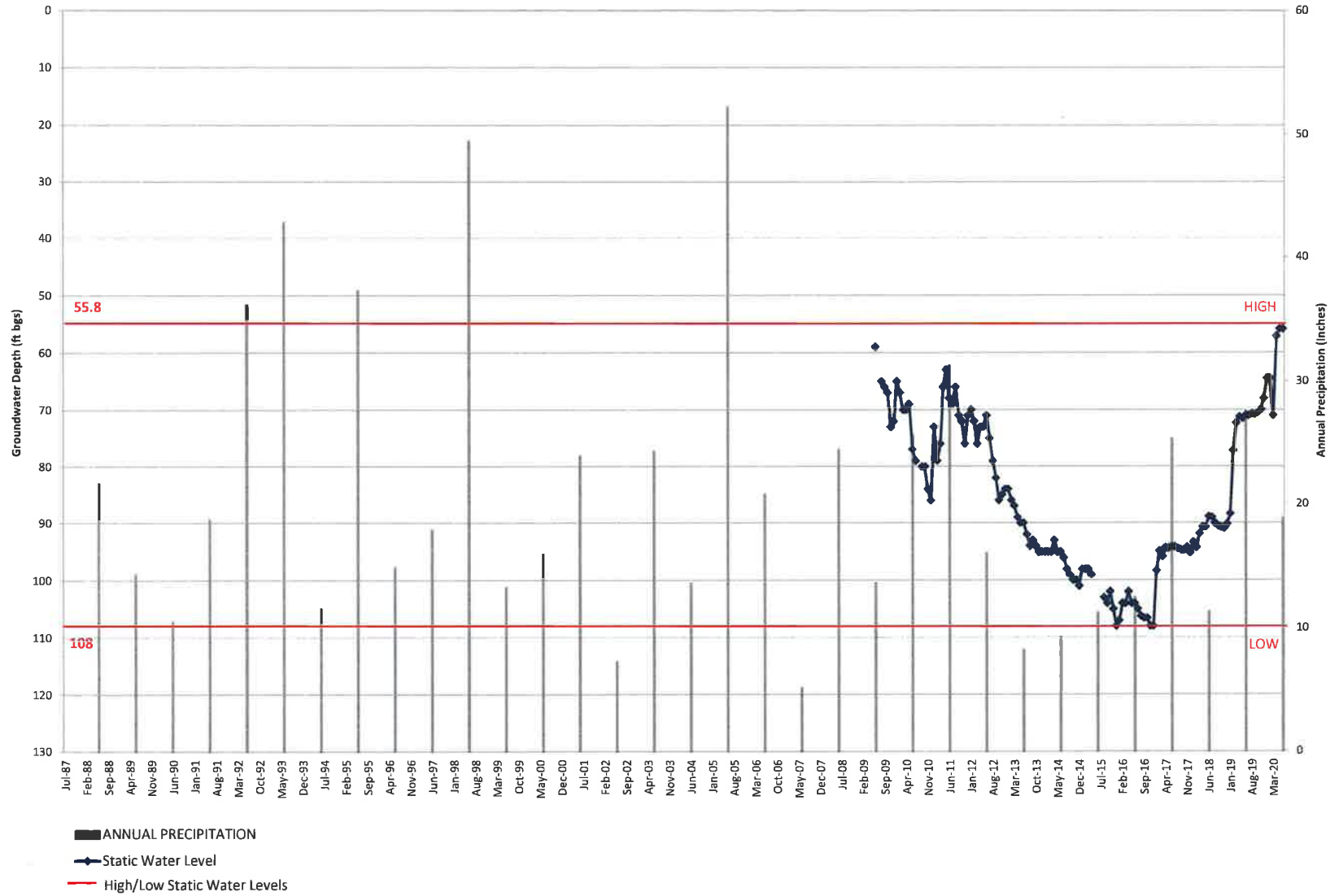
SCV WATER WELL VALLEY CENTER
STATIC WATER LEVEL VS PRECIPITATION



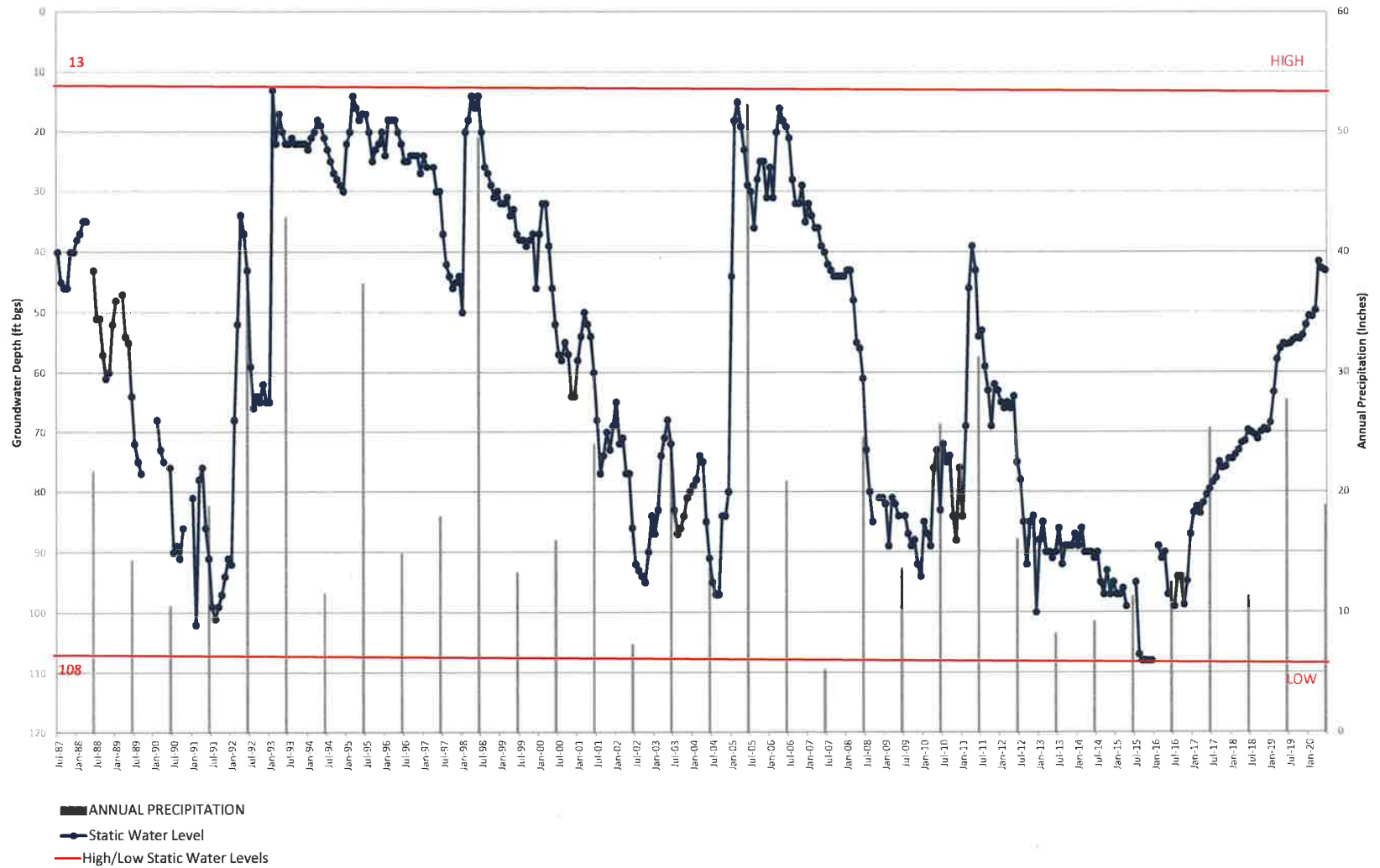
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STATIC WATER LEVEL VS PRECIPITATION



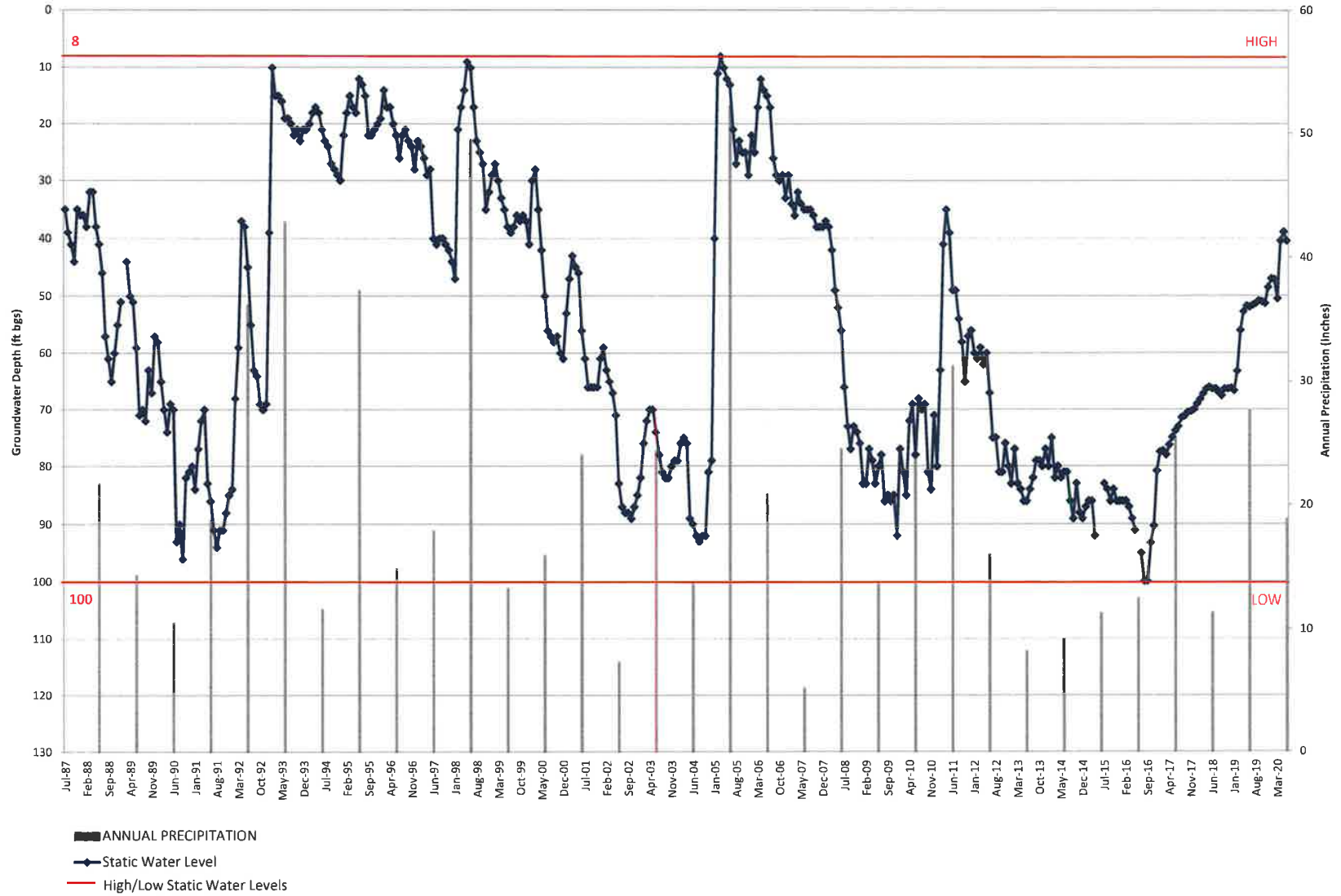
SCV WATER WELL SANTA CLARA
STATIC WATER LEVEL VS PRECIPITATION



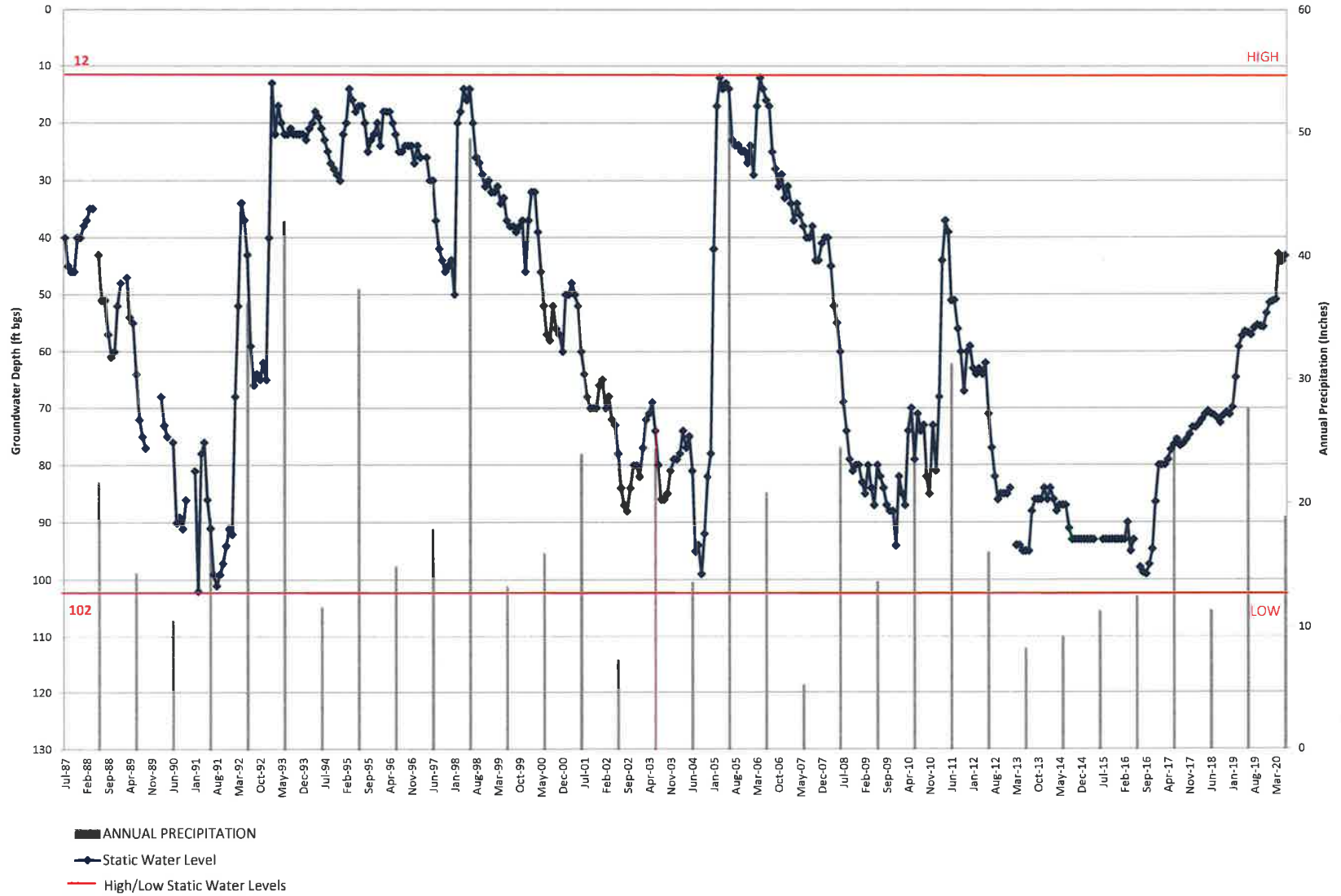
SCV WATER WELL NORTH OAKS CENTRAL #8
 STATIC WATER LEVEL VS. PRECIPITATION



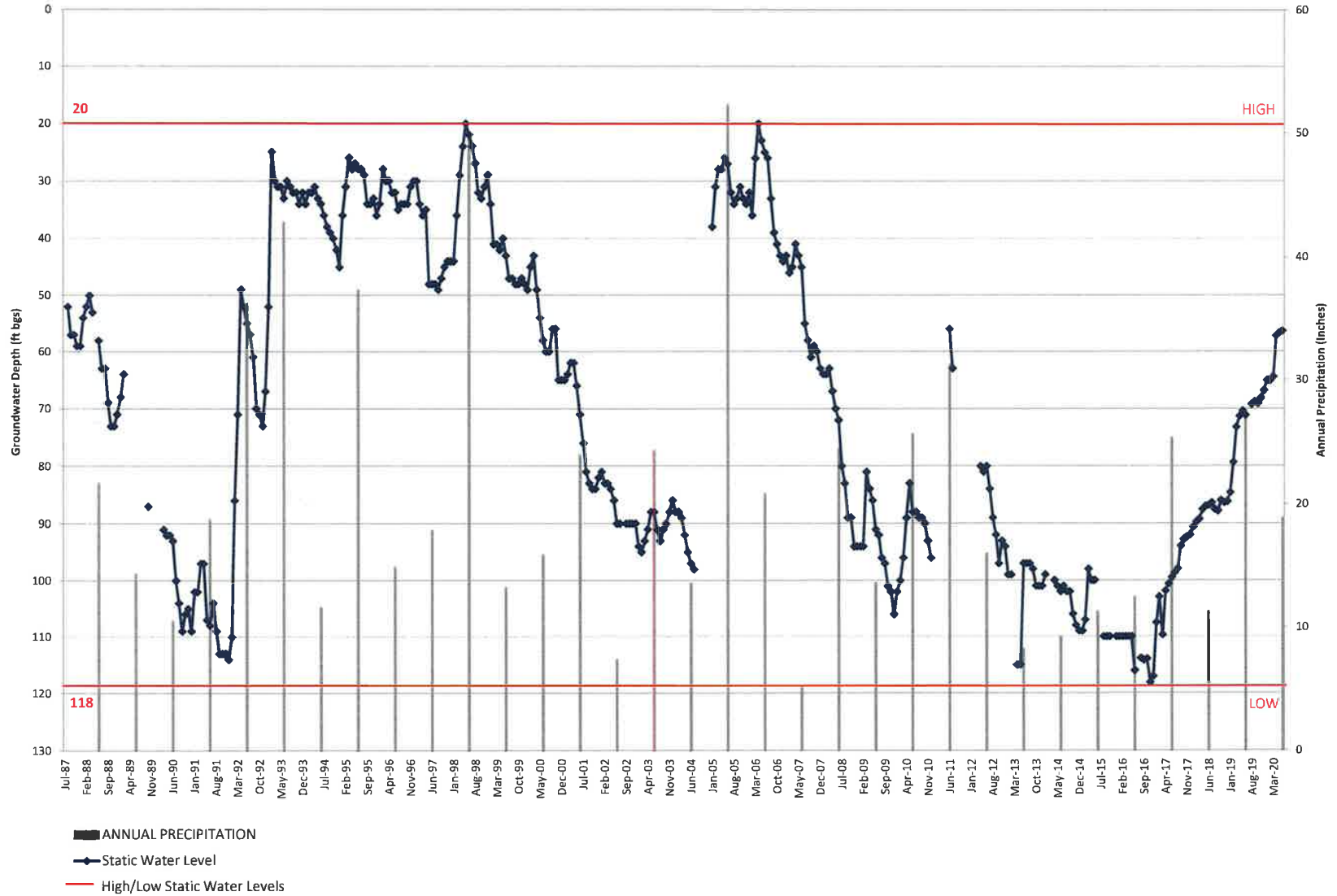
SCV WATER WELL NORTH OAKS WEST #9
STATIC WATER LEVEL VS PRECIPITATION



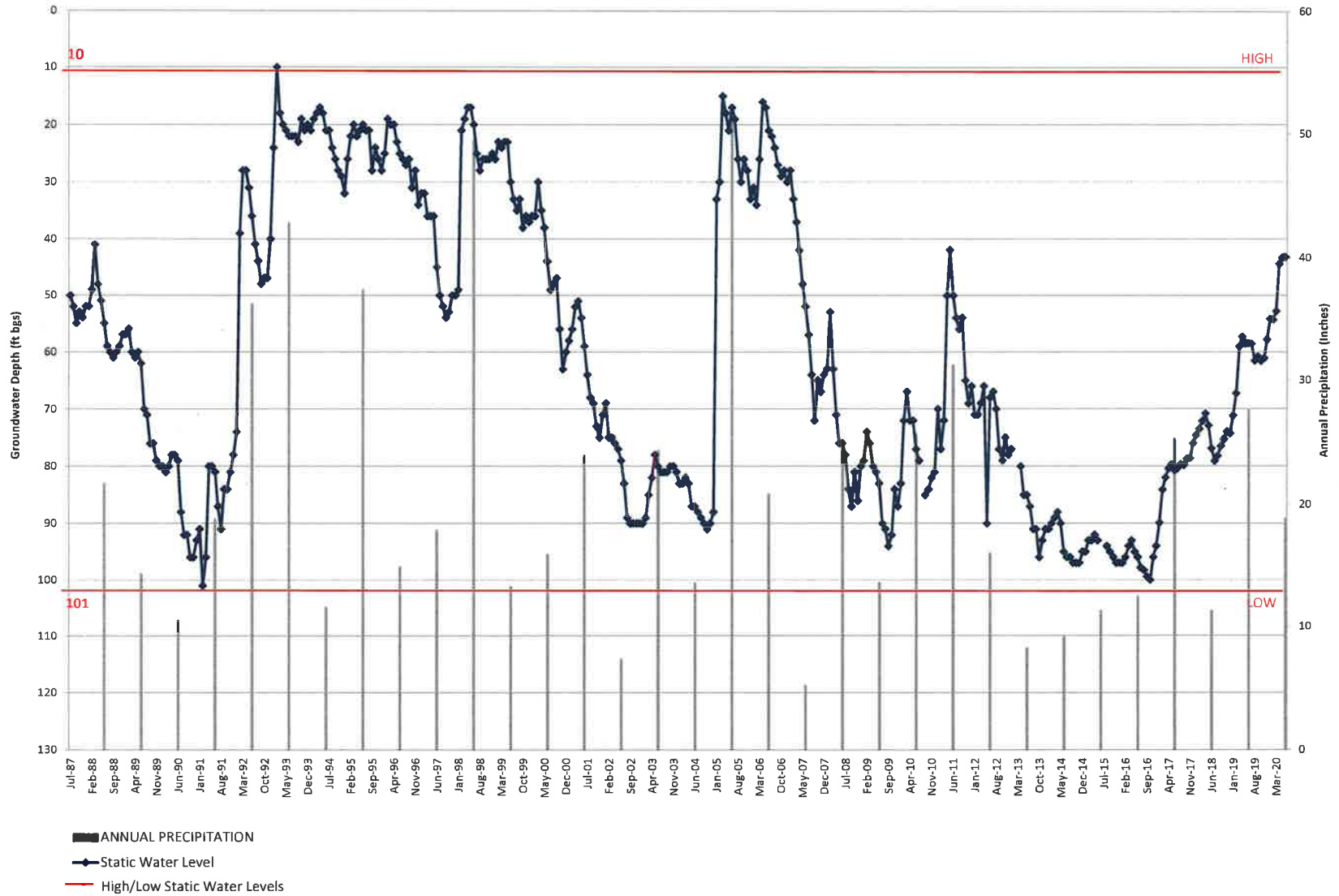
SCV WATER WELL NORTH OAKS EAST #7
STATIC WATER LEVEL VS PRECIPITATION



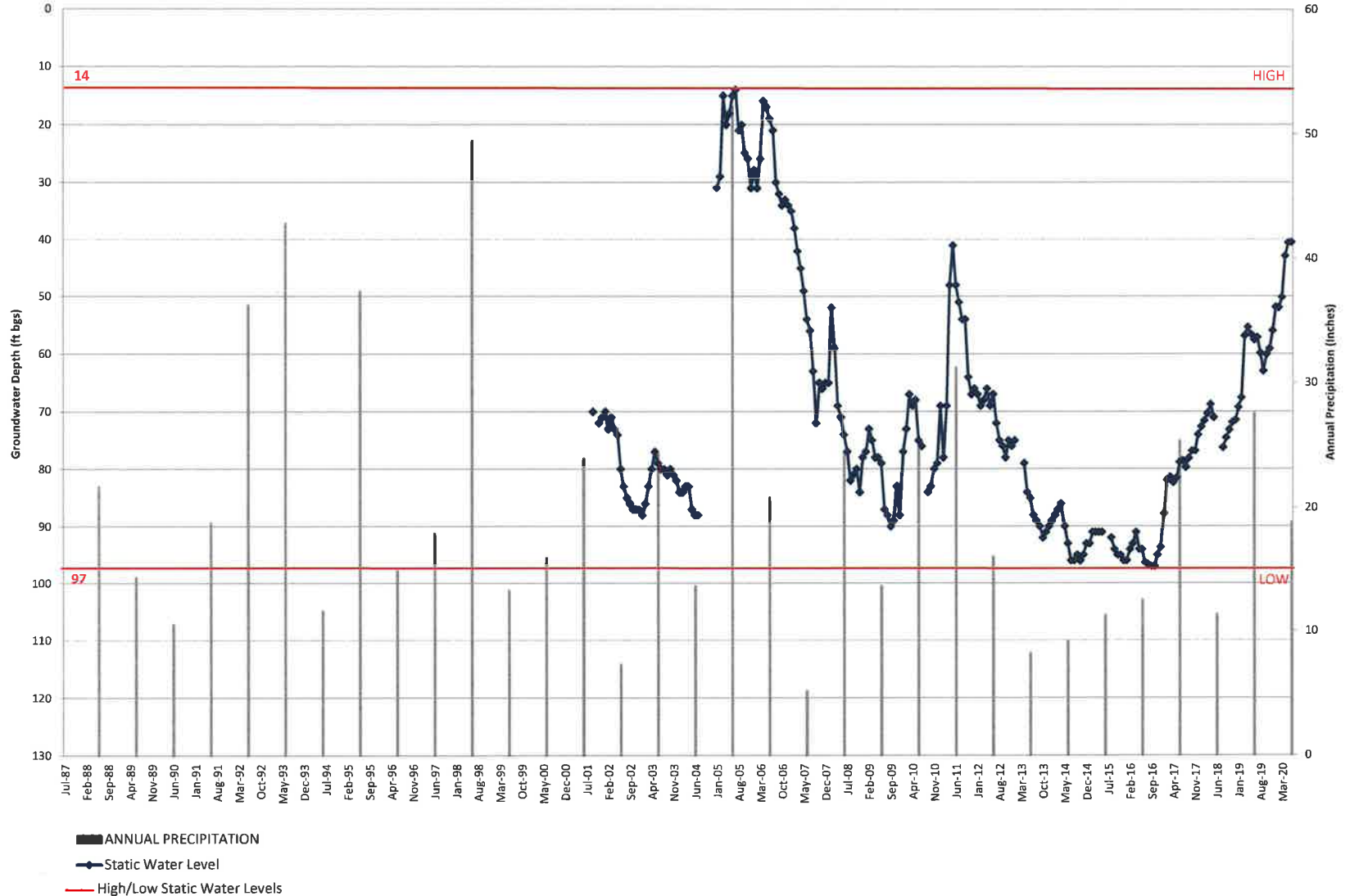
SCV WATER WELL SIERRA #6
STATIC WATER LEVEL VS PRECIPITATION



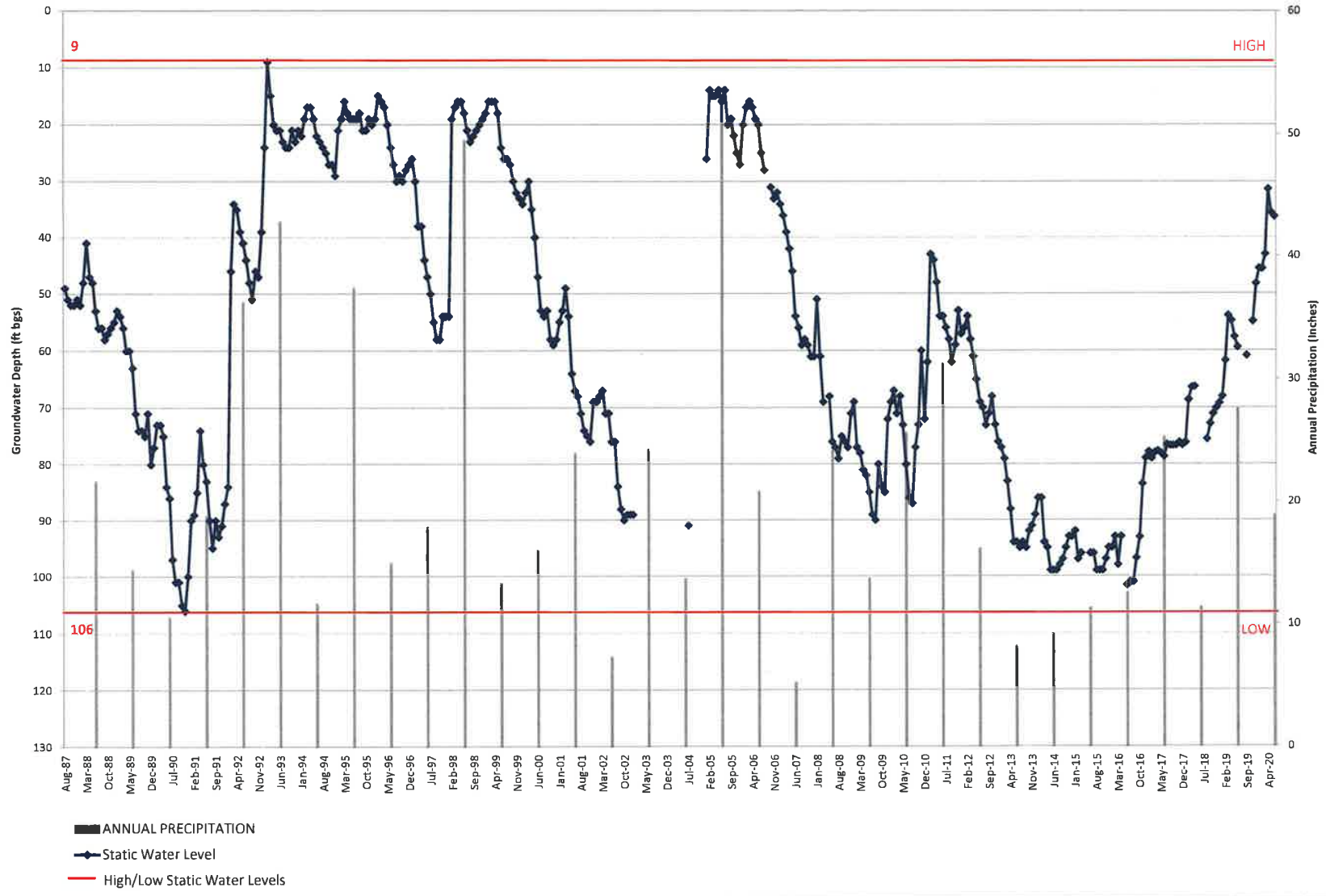
SCV WATER WELL MITCHELL #5A
STATIC WATER LEVEL VS PRECIPITATION



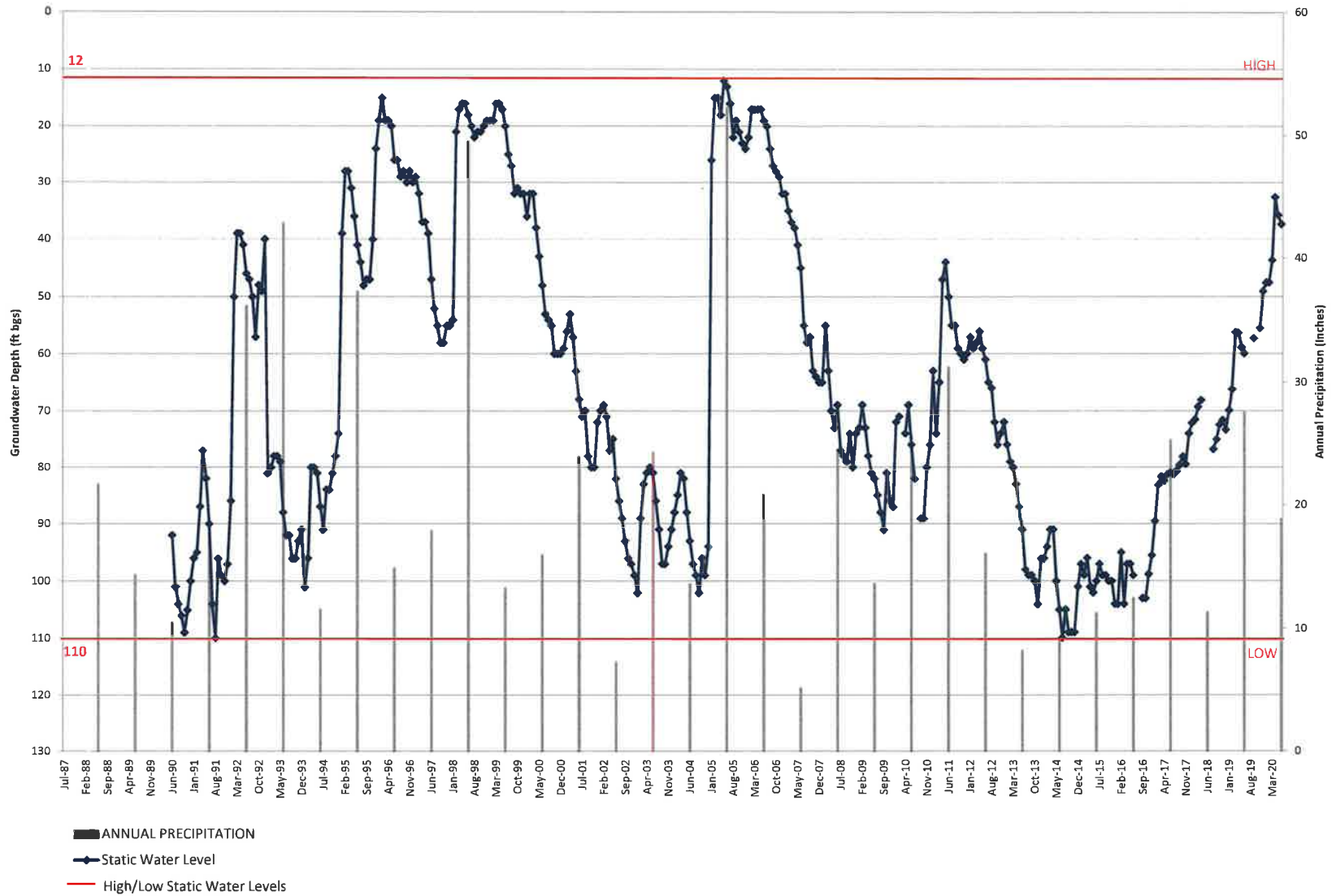
SCV WATER WELL MITCHELL #5B
STATIC WATER LEVEL VS PRECIPITATION



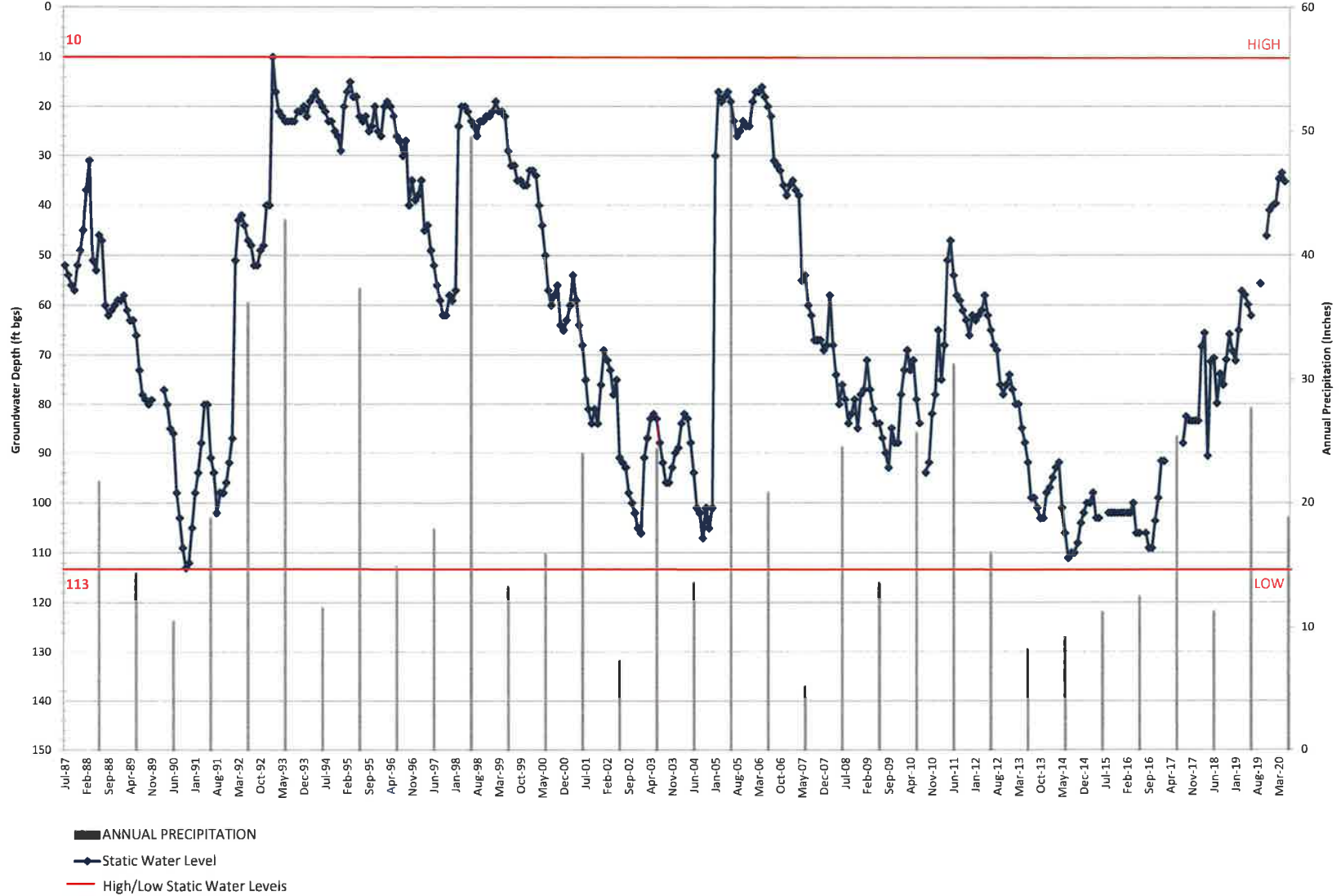
SCV WATER WELL SAND CANYON #3
STATIC WATER LEVEL VS PRECIPITATION



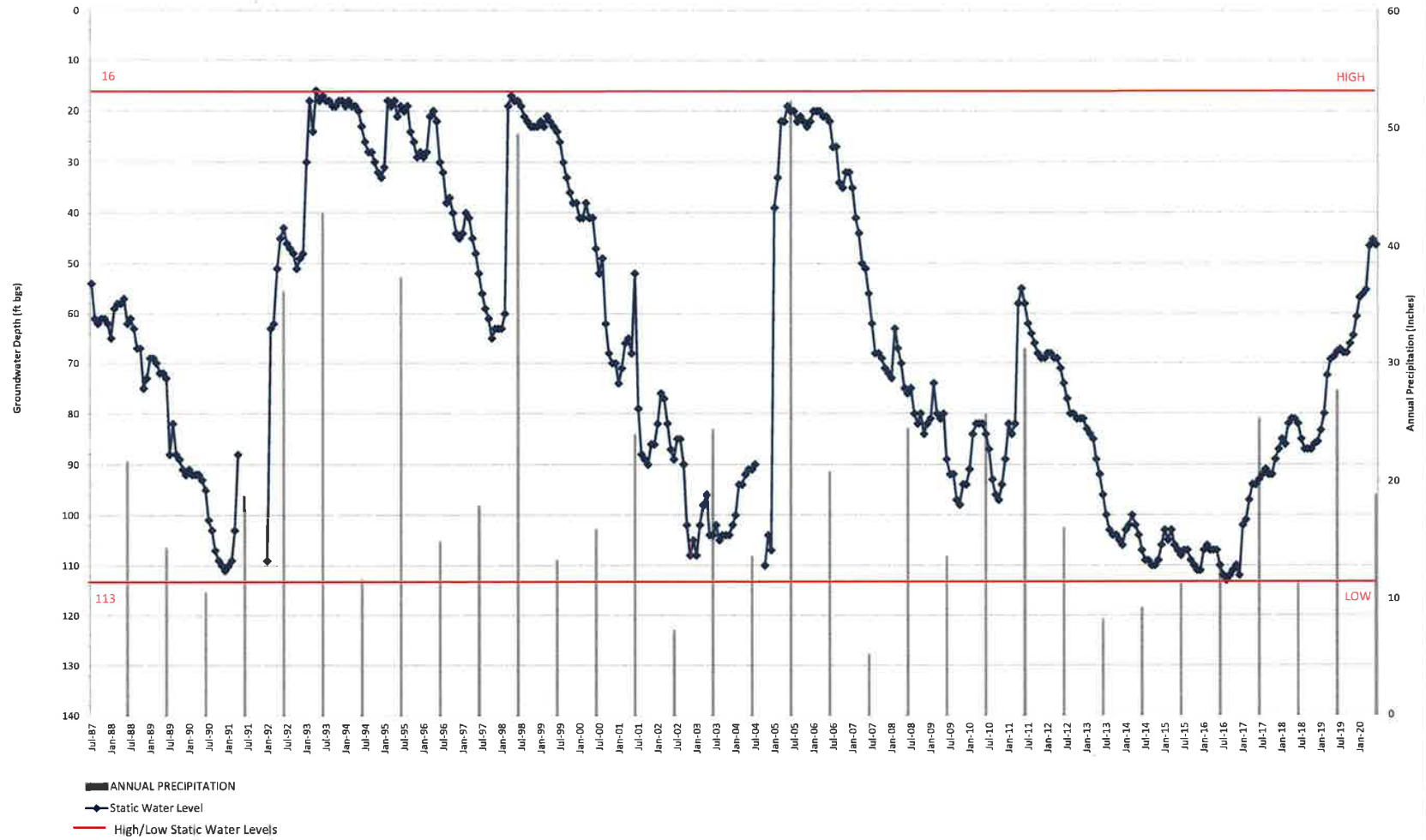
SCV WATER WELL LOST CANYON #2A
 STATIC WATER LEVEL VS PRECIPITATION



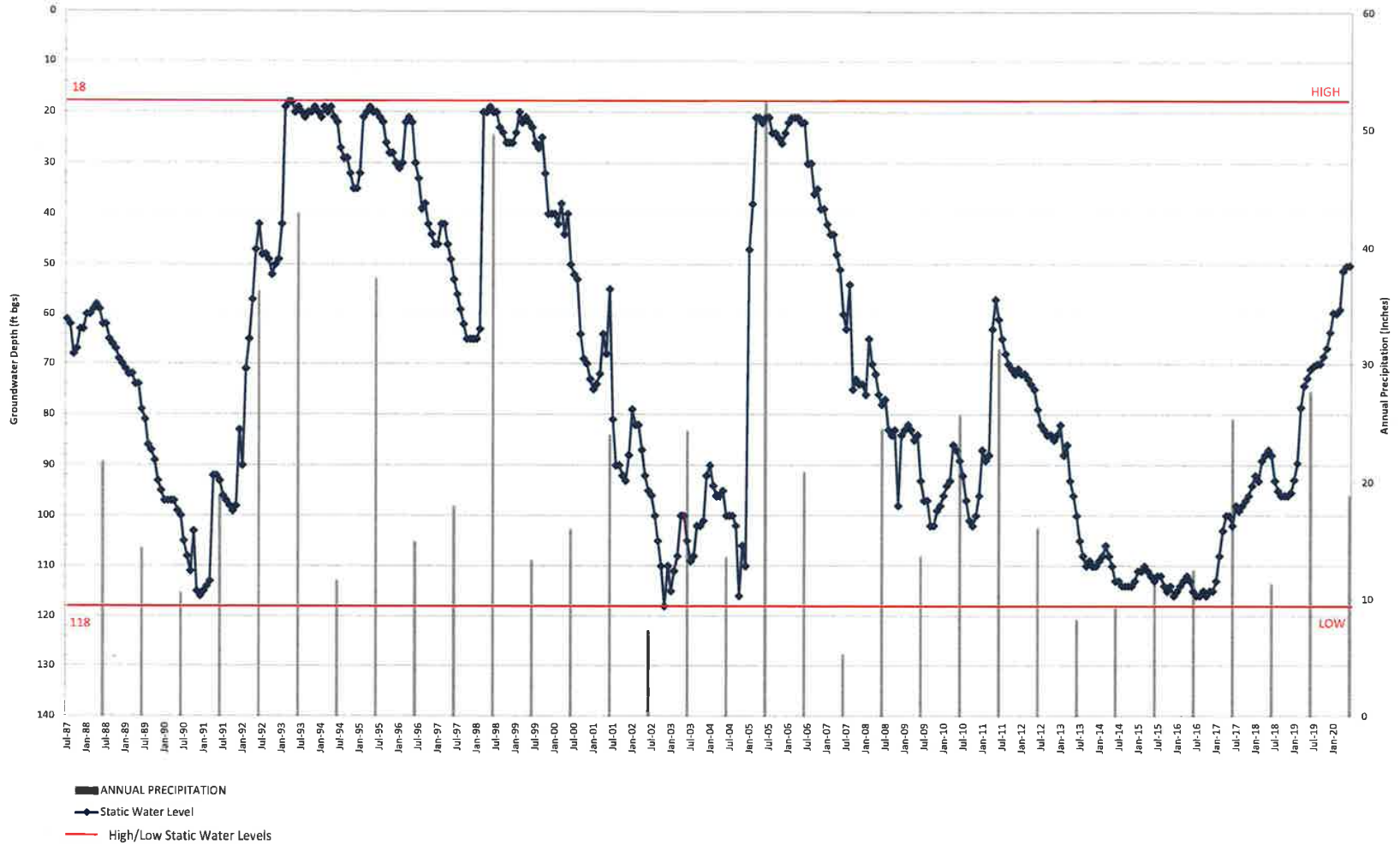
SCV WATER WELL LOST CANYON #2
STATIC WATER LEVEL VS PRECIPITATION



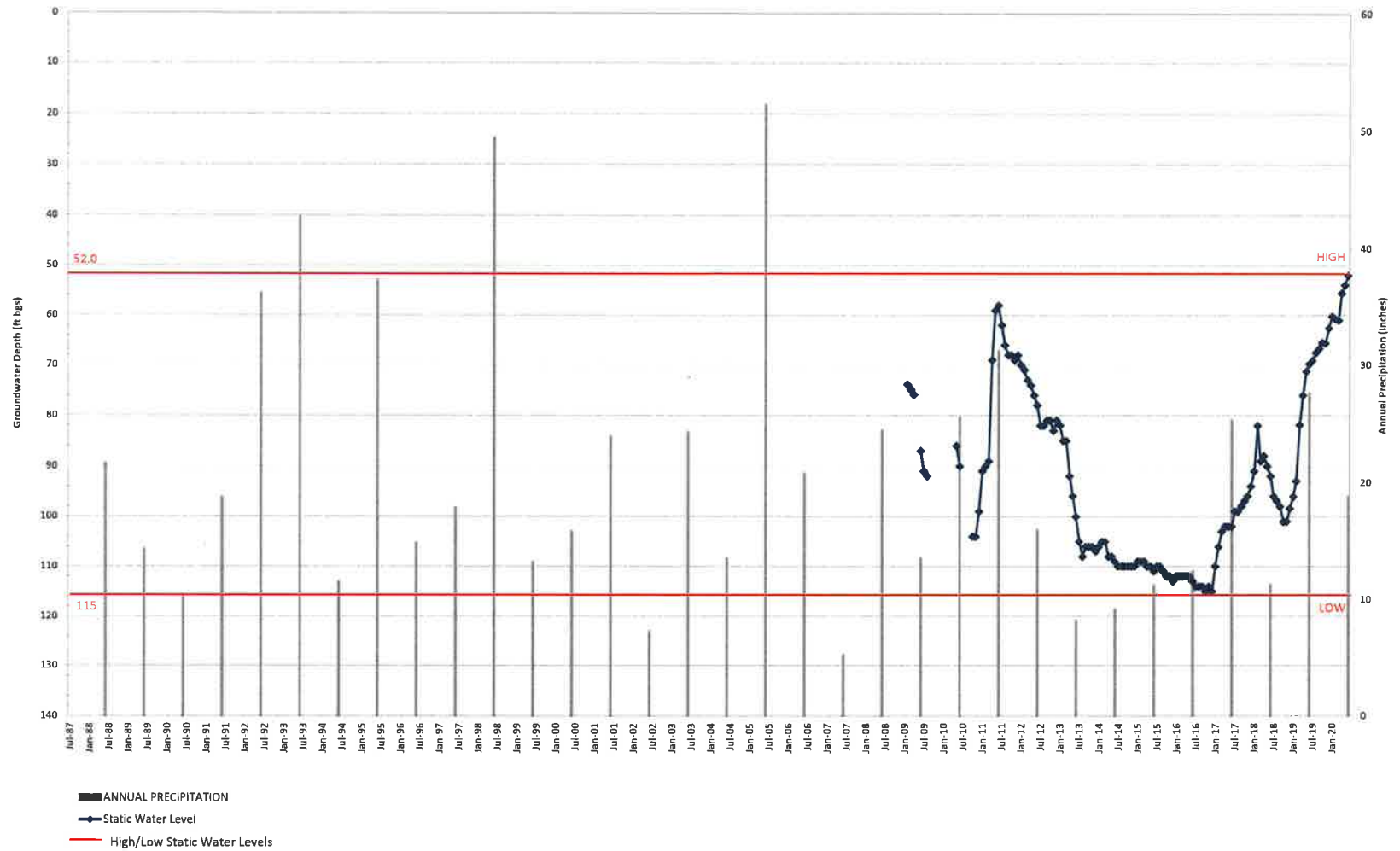
SCV WATER WELL P4
 STATIC WATER LEVEL VS PRECIPITATION



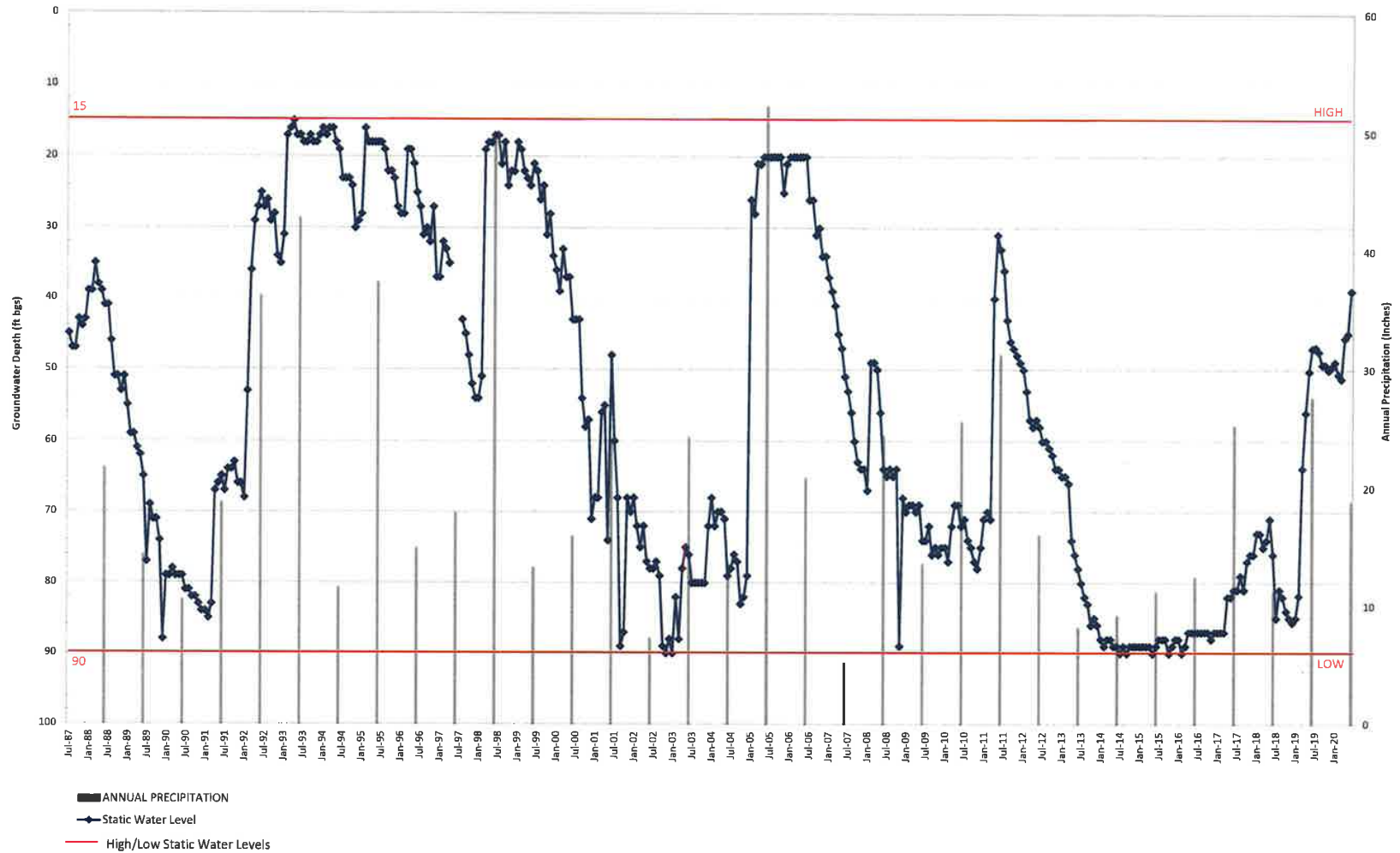
SCV WATER WELL P3
 STATIC WATER LEVEL VS PRECIPITATION



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 July 15, 2020

Project	Contractor	Original Contract Amount	Change Orders to Date	% Change Orders	Current Contract Amount	Scheduled Completion	Estimated % of Work Completed	Status
PFAS Groundwater Treatment Project and Well Q2 Perchlorate Removal Facility - Vessels Purchase	Evoqua Water Technologies, LLC.	\$1,727,960	\$3,074	0.2%	\$1,731,934	September 17, 2020	95%	Vessels for the N-Wells have been delivered. The Well Q-2 vessels are set for August 2020 delivery.
PFAS Groundwater Treatment Project and Well Q2 Perchlorate Removal Facility - Site Construction	Pacific Hydrotech Corporation	\$4,515,000	\$32,818.63	0.7%	\$4,547,818.63	October 17, 2020	60%	Aboveground piping is being installed and the concrete pad at Well Q2 is being constructed.
West Ranch Recycled Water Main Extension (Phase 2D)	Cedro Construction Inc.	\$3,112,332	\$0	\$0	\$3,112,332	September 26, 2020	50%	Pipeline construction is in progress. Pipe installation is 95% complete. Work around the pump station continues.
Magic Mountain Pipeline Phase 4	FivePoint / Toro Enterprises	\$3,084,725	\$294,130.72	9.5%	\$3,378,855.72	December 31, 2020	90%	Construction activities are on hold.
Magic Mountain Pipeline Phase 5	FivePoint / Toro Enterprises	\$3,269,978.85	\$0	0%	\$3,269,978.85	December 31, 2020	90%	Construction activities are on hold.
Magic Mountain Pipeline Phase 6A	FivePoint / Toro Enterprises	\$7,168,844.85	\$0	0%	\$7,168,844.85	April 1, 2021	16%	Construction activities are on hold.
Magic Mountain Pipeline Phase 6B	FivePoint / Leatherwood Construction	\$4,568,687.07	\$0	0%	\$4,568,687.07	June 30, 2021	0%	FivePoint is preparing the construction contract documents with Leatherwood Construction.
Vista Canyon Recycled Water Main Extension (Phase 2B)	Ferreira Construction Co., Inc.	\$2,752,982	\$0	0%	\$2,752,982	November 18, 2020	30%	Potholing is complete.

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

Project	Third Party Funding Source	Planning, Design, Construction	Contractor/Consultant	Construction Amount	SCV Water Deposit Amount	Status
Active Agreements:						
Aidlin Tract 52796 – Pipeline	Lennar Homes	Design	SCV Water	N/A	\$65,000	Project on–hold by Developer. Design is 30% complete.
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.
Calgrove Storage	TWB Clarita Storage	Construction	D.M. Sanborn Pipeline	\$90,000	\$9,000	Construction is in progress.
Castaic RV Storage	RCMI A/A/F	Design	SCV Water	N/A	\$21,000	Design in progress.
Commerce Center Drive Bridge Potable and Recycled Pipelines	FivePoint	Design	FivePoint	N/A	\$85,000	Design is 65% complete.
Demineralization Facility – Fire Hydrant	FivePoint	Design	FivePoint	N/A	\$55,000	Design is complete but project is on–hold.
Excel Buena Park II, L.P. (Residence Inn and Springhill Suites)	Excel Group LLC	Construction	T. Morrissey Corporation	\$86,848	\$13,027	Construction is in progress.
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 insurance certificates and pre–construction meeting and submittals.
Magic Mountain Tank No. 2	FivePoint	Construction	FivePoint	N/A	\$125,000	Construction and submittals are in progress. Interior coating is 80% complete, outside coating to be complete by mid-August.
Mission Village DS542 Potable Water Pipelines	FivePoint	Construction	FivePoint	N/A	\$60,000	Construction is in progress.
Mission Village DS542 Recycled Water Pipelines	FivePoint	Construction	FivePoint	N/A	\$57,000	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.

Project	Third Party Funding Source	Planning, Design, Construction	Contractor/Consultant	Construction Amount	SCV Water Deposit Amount	Status
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 on-hold until winter 2020.
Mitchell Well 5A Replacement	JSB Development	Design	Richard C. Slade & Associates LLC	TBD	\$58,000	Reviewing alternate sites for replacement well.
Needham Ranch Phase 2- Onsite Water Plans	Lion-TCC Development II, LLC	Design	Alliance Engineering	N/A	\$25,000	Design is 30% complete. First Agency Design review complete.
Orchard Village Medical Building	OVMB LLC (Intertex)	Construction	Groundwork Engineering Inc.	\$50,000	\$18,000	Pending start of construction.
Parcel Map 19163 Parcel 1 – Homewood Suites/Hampton Inn	Prince Hospitality LLC	Construction	Tron Construction	\$60,000	\$28,000	Pending construction. Waiting on insurance certificates, pre-construction meeting and submittals.
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 substantially complete.
Plum Canyon Tract 73858 Lot 1	Toll Brothers	Construction	Staats	\$856,000	\$114,600	Construction is complete. Need easement.
Sheriff Station – 16” Water Main Extension in Golden Valley Road	City of Santa Clarita	Construction	Mesa Engineering	\$1,347,745	\$137,700	Construction is substantially complete.
Skyline Pump Station No. 2	Pardee Homes	Design	Cannon	TBD	\$150,000	Design is in progress.
Skyline Ranch Road Bridge Crossing 16” and 20” Water Mains	Pardee Homes	Construction	Mesa Engineering	\$214,359	\$21,436	Construction is in progress.
Skyline Ranch Tract 60922 – Sierra Highway 16-inch Deane Zone Pipeline	Pardee Homes	Construction	Mesa Engineering	\$1,428,000	\$142,800	Construction is 10% complete.
Skyline Ranch Tract 60922 – Sierra Highway 20-inch North Oaks Pipeline	Pardee Homes	Construction	Mesa Engineering	\$723,194	\$72,319	Construction is 90% complete.
Skyline Ranch Tract 60922 – Site Improvements for Two 0.87 MG Tanks	Pardee Homes	Construction	Mesa Engineering, Coleman-Pacific, Tejon Constructions	\$538,477	\$53,137	Construction is 30% complete.

Project	Third Party Funding Source	Planning, Design, Construction	Contractor/Consultant	Construction Amount	SCV Water Deposit Amount	Status
Skyline Ranch Tract 60922 – Two 0.87 MG Tanks (Skyline Ranch Zone)	Pardee Homes	Construction	Paso Robles	\$1,879,001	\$187,900	Tank construction is 80% complete.
Skyline Ranch Tract 60922–01 Backbone Pipelines	Pardee Homes	Construction	Mesa Engineering	\$1,417,928	\$142,000	Construction is substantially complete.
Skyline Ranch Tract 60922–01 Paseo	Pardee Homes	Construction	Mesa Engineering.	\$68,159	Included in PA–01	Construction is substantially complete.
Skyline Ranch Tract 60922–01 Planning Areas A & B & PA–01	Pardee Homes	Construction	Mesa Engineering	\$675,824	\$67,600	Construction is substantially complete.
Skyline Ranch Tract 60922–01 Planning Areas C & D	Pardee Homes	Construction	Staats Construction	\$533,300	\$53,330	Construction is substantially complete.
Skyline Ranch Tract 60922–01 Planning Areas E1 & F	Pardee Homes	Construction	Mesa Engineering	\$707,700	\$70,700	Construction is substantially complete.
Skyline Ranch Tract 60922–01 Stratus Street	Pardee Homes	Construction	Mesa Engineering	\$817,031	\$81,703	Construction is substantially complete.
Skyline Ranch Tract 60922–01 Stratus Street Gap Section	Pardee Homes	Construction	Mesa Engineering	\$93,141	\$9,314	Construction is substantially complete.
Skyline Ranch Tract 60922–02 Planning Area G	Pardee Homes	Design	Civiltec	TBD	\$65,000	Design is 30% complete.
Skyline Ranch Tract 60922–02 Planning Area H	Pardee Homes	Design	Civiltec	TBD	\$75,000	Design is 60% complete.
Skyline Ranch Tract 609022–02 Vertex Way Pipelines	Pardee Homes	Construction	Mesa Engineering	\$480,488	\$48,000	Construction is 85% complete.
Skyline Ranch Tract 60922–04 Planning Area E–2	Pardee Homes	Construction	Staats	\$369,597	\$36,960	Construction is substantially complete.
Skyline Ranch Tract 60922–05 Planning Area N	Pardee Homes	Construction	Mesa Engineering	\$150,876	\$15,087	Construction is substantially complete.
Skyline Ranch Tract 60922–05 Planning Area 02	Pardee Homes	Construction	Mesa Engineering	\$762,300	\$76,230	Construction is 95% complete.
Tesoro del Valle – Pump Station	BLC Tesoro LLC	Design	Civiltec	TBD	\$30,000	Design is 30% complete.
Tesoro del Valle – Two 1.2 MG Tanks	BLC Tesoro LLC	Design	Civiltec	TBD	\$40,000	Design is 30% complete.
Tesoro del Valle – Water Line Distribution and PRV Station	BLC Tesoro LLC	Design	Fuscoe Engineering	TBD	\$50,000	Final plan check is pending.
Tract AVT 52455–16	Ashdon Development	Construction	Intertex General Contractors, Inc.	\$85,043	\$17,000	Construction is 95% complete.
Tract 74718 Dockweiler	Dockweiler 21 LLC	Design	Forma Engineering	TBD	\$5,000	Plan check is in progress, Developer Agreement pending.
Valencia Town Center Square – Phase 2	VTC Square Investors, LLC	Construction	Staats Construction	\$80,000	\$22,010	Construction is substantially complete.
Vista Canyon Apartments	JPI	Construction	Tejon Constructions	\$60,000	\$6,000	Construction is in progress.

Project	Third Party Funding Source	Planning, Design, Construction	Contractor/Consultant	Construction Amount	SCV Water Deposit Amount	Status
Vista Canyon Tract 69164 – KB Homes	KB Homes	Construction	Boudreau Pipeline	\$57,000	\$5,600	First phase construction is substantially complete.
Vista Canyon Tract 69164 Phase 1A Potable and Recycled Pipelines	Vista Canyon LLC	Construction	Mesa Engineering	\$673,532	\$67,400	Construction is substantially 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 substantially complete.
Vista Canyon Tract 69164 Phase 2 – Portion 1 – Potable Pipelines	Vista Canyon LLC	Construction	Mesa Engineering	\$241,112	\$24,100	Construction is substantially complete.
Vista Canyon Tract 69164 Phase 2 – Portion 3 – Potable Water	Vista Canyon LLC	Construction	Mesa Engineering	\$376,259	\$37,626	Construction is 90% complete.
Vista Canyon Tract 69164 Phase 2 – Portion 3 – Recycled Water	Vista Canyon LLC	Construction	Mesa Engineering	\$261,252	\$26,125	Construction is substantially 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	Pending insurance certificates and pre-construction meeting.
76 Gas Station at 25048 Valencia Blvd.	Sahika Corporation	Construction	Karaki WS	\$58,000	\$5,800	Construction is 90% complete.

Project	Third Party Funding Source	Planning, Design, Construction	Contractor/Consultant	Construction Amount	SCV Water Deposit Amount	Status
Closed Agreements:						
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 complete. Easement documents are pending.
Concord Development Tract 53425 – 01	Lennar	Design	Turf Construction	\$100,000	\$10,000	Construction is complete. Coordinating easement documents with developer.
Mission Village – Pipe Connection at Sky View Lane / The Old Road	FivePoint	Construction	FivePoint	N/A	\$55,000	Construction is complete.
Mission Village – Temporary bypass pipeline (Magic Mountain Parkway)	FivePoint	Construction	FivePoint	N/A	\$41,000	Construction is complete.
Parcel Map 26363 Parcels 3 & 4 at 27736 – 27788 Hancock Parkway	Intertex	Construction	Blois Construction	\$35,000	\$3,500	Construction is complete. Preparation of as-built drawings are pending.
Parcel Map 60030, Parcels 1–8	Krusinski/IAC	Construction	J.A. Salazar Construction & Supply Corp.	\$79,500	\$19,950	Submittals approved. Construction started.
Skyline Ranch Plaza Tract 46018–11A	Intertex	Construction	Groundbreakers Construction	\$288,314	\$28,832	Construction is complete.
25333 Railroad Avenue (Storage Facility) – Fire Service	Norris Construction	Construction	Mesa Engineering	\$21,000	\$2,100	Construction is complete. Installation of backflow by developer is pending

**Engineering and Operations Committee
Planning Calendar
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**ITEM NO.
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	Item	PowerPoint Presentation (Y/N/Length)	Jul 1 Comm	Jul 7 Board	Aug 4 Board	Aug 6 Comm	Aug 18 Board	Sep 1 Board	Sep 3 Comm	Oct 1 Comm	Oct 6 Board	Nov 3 Board	Nov 5 Comm	Dec 7 Comm	Dec 15 Board	Jan 5 Board	Jan 7 Comm	Feb 2 Board	Feb 4 Comm	Mar 2 Board	Mar 4 Comm	Apr 1 Comm	Apr 6 Board	May 4 Board	May 10 Comm	Jun 1 Board	Jun 3 Comm	Jul 6 Board	
1	Monthly Committee Planning Calendar	None	C			P			P	P				P				P		P						P		P	
2	CIP Construction Status Report	None	C			P			P	P				P				P		P						P		P	
3	Monthly Operations and Production Report	None	C			P			P	P				P				P		P						P		P	
4	Third Party Funded Agreements Quarterly Report	None				P							P						P							P			
5	Quarterly Safety Program Presentation	Yes 15 min				P							P						P							P			
6	Annual Safety Program Update (FY 19-20)	Yes 15 min						P																					
7	Recommend Approval of a Resolution Awarding a Construction Contract, a Purchase Order for Construction Management and Inspection Services, and a Purchase Order for Consultant Services for Replacement Wells Construction	Yes 10 min	C		P																								
8	Recommend Approval of a Resolution Awarding a Purchase Order for Design Services for the Replacement Wells On-Site Pipeline/Infrastructure	Yes 10 min	C		P																								
9	Recommend Approval of a Resolution Awarding a Construction Contract for the Recycled Water Tank Aboveground Piping Potable Make-Up Line Project	Yes 10 min	C		P																								
10	Recommend Approval of a Purchase Order for Final Design Services for Valley Center Well PFAS Groundwater Treatment	Yes 10 min	C		P																								
11	Recommend Approval of Purchase of Replacement Clarifier Media at Earl Schmidt Filtration Plant	TBD				P	P																						
12	Laboratory PFAS Analytical Equipment Purchase	None				P	P																						
13	Recommend Approval of a Purchase Order for Final Design Services for Recycled Water Tank at an Alternate Site for Recycled Water Vista Canyon (Phase 2B) Project	Yes 10 min				P		P																					
14	Recommend Approval of Construction Contract Funding and a Purchase Order for Inspection Services for Replacement Wells Commerce Center Drive Pipeline	Yes 10 min					P																						
15	Recommend Approval of a Purchase Order for Final Design Services for Well 205 Groundwater Treatment Improvements	Yes 10 min							P		P																		
16	Comprehensive Groundwater Resources and Well Equipment Evaluation	TBD								P		P																	
17	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	TBD								P		P																	

C = Completed Item
P = Planned Item

**Engineering and Operations Committee
Planning Calendar
FY 2020/21**

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18	Recommend Approval of Resolution Authorizing SCV Water to Execute Water Service Agreement with State Water Resources Control Board and Los Angeles Residential Community	TBD											P		P														
19	Recommend Approval of a Work Authorization for Final Design of the Magic Mountain Reservoir	TBD											P		P														
20	Recommend Approval of Resolution Awarding Contract to TBD for Newhall Tank 2 Recoat and Repairs	TBD											P		P														
21	Recommend Approval of a Work Authorization for Final Design of the Groundwater Treatment Improvements	TBD												P		P													
22	Recommend Approval of Resolution Awarding Construction Contract for Pipeline to the Los Angeles Residential Community	TBD															P	P											
23	Recommend Approval of Resolution Adopting Mitigated Negative Declaration under California Environmental Quality Act for Construction of New Sand Canyon Plaza 1.5 MG Deane Tank	TBD																	P	P									
24	Recommend Approval of Work Authorization for Groundwater Modeling Services for Perchlorate Containment Evaluation	TBD																			P		P						
25	Recommend Approval of Resolution Awarding Construction Contract to TBD for Recycled Water Vista Canyon (Phase 2B) Tank	TBD																			P		P						
26	Recommend Approval of Construction of Pipeline in Sierra Highway from Dockweiler to Newhall Avenue	TBD																			P		P						
27	Recommend Approval of Construction of Pressure Reducing Station In Sierra Highway	TBD																			P		P						
28	Recommend Approval of Construction of New Sand Canyon Plaza (Deane Zone) Pump Station and Cost Sharing Agreement with Developer	TBD																				P		P					
29	Recommend Approval of Construction of a New Skyline Ranch (Deane Zone) Pump Station and Cost Sharing Agreement with Developer	TBD																				P		P					
30	Recommend Approval of Construction of New Skyline Ranch 2.1 MG Tanks (Deane Zone) and Cost Sharing Agreement with Developer	TBD																				P		P					

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**Engineering and Operations Committee
Planning Calendar
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31	Recommend Approval of Construction of New Sand Canyon Plaza 1.5 MG Tank (Deane Zone) and Cost Sharing Agreement with Developer	TBD																										P	P

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