



SCV
WATER

ENGINEERING AND OPERATIONS COMMITTEE MEETING

Thursday, October 6, 2022
Meeting Begins at 5:30 PM

Members of the public may attend by the following options:

In Person

Santa Clarita Valley Water Agency
Engineering Services Section
Boardroom
26521 Summit Circle
Santa Clarita, CA 91350

By Phone

Toll Free:
1-(833)-568-8864
Webinar ID: 160 114 3835

Virtually

Please join the meeting from your
computer, tablet or smartphone:
<https://scvwa.zoomgov.com/j/1601143835>

Have a Public Comment?

Members of the public unable to attend this meeting may submit comments either in writing to eadler@scvwa.org or by mail to Elizabeth Adler, Executive Assistant, 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 start of the meeting. Anything received after 4:00 PM the day of the meeting will be made available at the meeting, if practicable, and will be posted on the SCV Water website the following day. All correspondence with comments, including letters or emails, will be posted in their entirety. (Public comments take place during Item 2 of the Agenda and before each Item is considered. Please see the Agenda for details.)

This meeting will be recorded and the audio recording for all Committee meetings will be posted to yourscvwater.com within 3 business days from the date of the Committee meeting.

Disclaimer: Attendees should be aware that while the Agency is following all applicable requirements and guidelines regarding COVID-19, the Agency cannot ensure the health of anyone attending a Board meeting. Attendees should therefore use their own judgment with respect to protecting themselves from exposure to COVID-19.

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Date: September 27, 2022

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

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

The **Engineering and Operations Committee** meeting is scheduled on **Thursday, October 6, 2022 at 5:30 PM** at **26521 Summit Circle, Santa Clarita, CA 91350 in the Engineering Services Section (ESS) Boardroom**. Members of the public may attend in person or virtually. To attend this meeting virtually, please see below.

IMPORTANT NOTICES

This meeting will be conducted in person at the address listed above. As a convenience to the public, members of the public may also participate virtually by using the **Agency's Call-In Number 1-(833)-568-8864, Webinar ID: 160 114 3835 or Zoom Webinar by clicking on the link <https://scvwa.zoomgov.com/j/1601143835>**. 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. However, in the event there is a disruption of service which prevents the Agency from broadcasting the meeting to members of the public using either the call-in option or internet-based service, this meeting will not be postponed or rescheduled but will continue without remote participation. The remote participation option is being provided as a convenience to the public and is not required. Members of the public are welcome to attend the meeting in person.

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MEETING AGENDA

<u>ITEM</u>		<u>PAGE</u>
1.	<u>PLEDGE OF ALLEGIANCE</u>	
2.	<u>PUBLIC COMMENTS</u> – 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.)	
3.	* Recommend Approval of Technical Revision to the Board of Directors Policies and Procedures Regarding General Manager Authority to Transfer Easements	1
4.	* Recommend Approval of a Contract to Conduct a Pilot-Scale Evaluation of Four Alternative Adsorbents for PFAS Removal from SCVWA Groundwater	5
5.	* Recommend Approval of a Resolution for a Construction Contract with Paso Robles Tank for the Newhall Tanks 1 and 1 A – Tank Upgrades Project	15
6.	* Monthly Operations and Production Report	29
7.	* Capital Improvement Projects Construction Status Report	131
8.	* Committee Planning Calendar	133
9.	General Report on Treatment, Distribution, Operations and Maintenance Services Section Activities	
10.	* General Report on Engineering Services Section Activities	137
11.	Adjournment	
	* Indicates Attachment	
	• Indicates Handout	

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 26521 Summit Circle, 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.

September 27, 2022

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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 Committee 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 September 29, 2022.

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COMMITTEE MEMORANDUM

DATE: September 19, 2022

TO: Engineering and Operations Committee

FROM: Joseph Byrne, Co-General Counsel

SUBJECT: Recommend Approval of Technical Revision to the Board of Directors Policies and Procedures Regarding General Manager Authority to Transfer Easements

SUMMARY / DISCUSSION

Earlier this year the Board of Directors updated Sections IV.(D)(14) and (15) of the Policies and Procedures for the Board of Directors of the Santa Clarita Valley Water Agency regarding the General Manager's authority to dispose and accept interests in real and personal property, including easements. Under the updated policy, the General Manager is authorized to grant easements upon real property.

Since the update to the policies, in the course of the Agency's regular business, situations have arisen where the Agency has needed to relinquish an easement that it holds to a third party. While the language that provides the General Manager with the authority to grant easements was intended to include relinquishing easements that are held by the Agency, it could be read as limiting the Agency to the giving of new easements on property owned by the Agency.

As a result, staff is recommending that the policy be amended to make it clear that the Agency may transfer easements that it holds, and not just grant new easements, to third parties consistent with the other requirements of the policies.

CEQA DETERMINATION

The proposed revision to the Board of Directors Policies and Procedures to Update the Section Regarding General Manager Authority to Accept and Convey Interests in Real and Personal Property does not, pursuant to California Environmental Quality Act ("CEQA") Guideline section 15378 (b)(5), constitute a "project" as it is an "organizational or administrative activit[y]" that "will not result in direct or indirect physical changes to the environment" and alternatively is exempt from environmental review under CEQA pursuant to the CEQA Guidelines Section 15061(b)(3), the "common sense exemption," which provides that CEQA applies only to projects that have the potential for causing a significant effect on the environment. Here, the Agency finds the revisions to the Policies and Procedures are not a "project" under CEQA as they are only an organizational act, or alternatively, are exempt from CEQA as it "can be seen with certainty that there is no possibility that the activity in question" as it is a technical edit that provides only procedural guidance, and so it will have no "significant effect on the environment."

FINANCIAL CONSIDERATIONS

None.

RECOMMENDATION

That the Engineering and Operations Committee recommend that the Board of Directors approve the attached proposed revision (Exhibit A) to the Policies and Procedures for the Board of Directors of the Santa Clarita Valley Water Agency.

Attachments

Exhibit A - Amendment to Easement Policy

Exhibit A

15. Real Property

- (a) The Board reserves for itself the sole authority to convey and dispose of all interests in real property, except as provided below.
- (b) Easements. The General Manager is authorized to grant easements upon real property, ~~or relinquish easements held by the Agency,~~ including, but not limited to, easements for construction, inspection, access, storage, operations, maintenance, and emergency service, as follows:
- (1) Temporary easements not to exceed five years in duration; and
 - (2) Permanent ~~grants of easements upon real property,~~ including by way of quitclaim, ~~for access and use of Agency property and rights-of-way~~ with a fair market value, as reasonably determined by the General Manager or his/her representative, of \$100,000 or less.
- (c) Accepting and Acquiring Real Property. The General Manager is authorized to accept and acquire, by dedication or purchase, real property, which includes but is not limited to deeds, and grants of interests in and easements upon real property, on behalf of the Agency and in a form approved by General Counsel to the Agency, for the purposes of expanding, maintaining and operating the Agency and its water system and have a fair market value, as reasonably determined by the General Manager or his/her representative of \$100,000 or less.
- (d) The General Manager shall provide a semi-annual report of transactions executed pursuant to the authority granted in this section to the Engineering and Operations Committee.


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COMMITTEE MEMORANDUM

DATE: September 19, 2022

TO: Engineering and Operations Committee

FROM: Mike Alvord 
Director of Operations & Maintenance

SUBJECT: Recommend Approval of a Contract to Conduct a Pilot-Scale Evaluation of Four Alternative Adsorbents for PFAS Removal from SCVWA Groundwater

SUMMARY

In 2020, SCV Water constructed the first Groundwater PFAS Ion-Exchange (IX) Treatment Plant in the state of California. This brought back approximately 6,000 gpm of supply for the community. Since then, another plant has been constructed and several more are in various stages of planning, design, bidding, and construction. Currently SCV Water has been able to permit two types of ion exchange (IX) resin for its PFAS removal treatment systems. In order to provide additional adsorptive media options and to be able to cost effectively bid this ongoing expense, a pilot plant and corresponding study is recommended. This pilot study will investigate four alternative types of media. The pilot study will last for 12 months and will yield valuable data regarding the alternative media types. Effectiveness of media will be investigated along with a cost benefit analysis. If a better, more cost-effective media is identified, this pilot study will aid in permitting the new media alternative for use with the Division of Drinking Water.

DISCUSSION

In response to a 2019 Division of Drinking Water (DDW) Order, SCV Water began sampling for a suite of contaminants referred to as PFAS. Two of these contaminants PFOA and PFOS are being regulated by DDW through Notification Levels (NL) and Response Levels (RL). SCV Water proactively began sampling all wells and shut down 21 wells which exceeded the Running Annual Average (RAA) RL for PFOA. In addition, SCV Water embarked on a collaborative effort to restore the lost groundwater supply by constructing IX Groundwater PFAS Treatment plants. In 2020, staff was able to restore approximately 6,000 gpm of supply by installing the first PFAS treatment system at the N Well field.

As part of the planning, design, and construction process of the N Wells system, a Bench Scale study was performed by Water Quality Treatment Solutions, Inc. (WQTS) in order to assess two different types of IX resin and four different types of granular activated carbon (GAC). The results of the study indicated that IX was the most efficient solution and both resin types performed similarly. Therefore, staff requested that DDW permit both resin types. However, Bench Scale testing has limitations and is not the most efficient or analytically appropriate way to determine the overall efficiency and effectiveness of various types of adsorbent media.

WQTS is a full-service consultant, offering the equipment, operation, sampling, analytical and evaluation expertise necessary to provide a study for staff to use in permitting additional media for the current and future PFAS treatment systems. There are no subconsultants associated

with this project. WQTS has intimate knowledge of the conditions and challenges associated with our PFAS treatment systems, which eliminates any delay with bringing another consultant onboard. The objective of this effort is to provide SCV Water with reliable data on the performance of alternative media for the removal of PFAS from groundwater—other than the two ion-exchange (IX) resins currently in place at the N Well treatment plant. The testing is also intended to provide operational data on matters related to headloss build-up rates and backwashing needs at startup and during normal operation.

WQTS will provide and install four pilot-scale contactors at one of SCV Water’s operating wells and develop the pilot testing plan. Four different PFAS removal media will be installed in the four contactors and will be operated for 12 months. The units operate automatically but will require an operator to do daily checks on the units and collect water quality samples. In the interest of minimizing the cost, SCV Water will assign staff to conduct checks and perform sampling over the course of the study, WQTS will receive the operational data from SCV Water and the PFAS results from the contracted analytical laboratory, analyze them, and provide periodic updates to SCV Water as well as prepare the overall pilot testing report. WQTS has no financial interest in the outcome of the testing, whether for the design of a system or the purchase of media. Therefore, staff is recommending a sole source contract with WQTS.

FINANCIAL CONSIDERATIONS

Funds for this pilot plant study are included in the M&R Groundwater PFAS Treatment Operating Expense Budget for the current FY 2022/23.

RECOMMENDATION

That the Engineering and Operations Committee recommends that the Board of Directors authorize the General Manager to enter into a contract with Water Quality Treatment Solutions, Inc., in the amount of \$234,500 for the completion of a PFAS Media Pilot Plant Study.

MBS



October 6, 2022

SCV Water

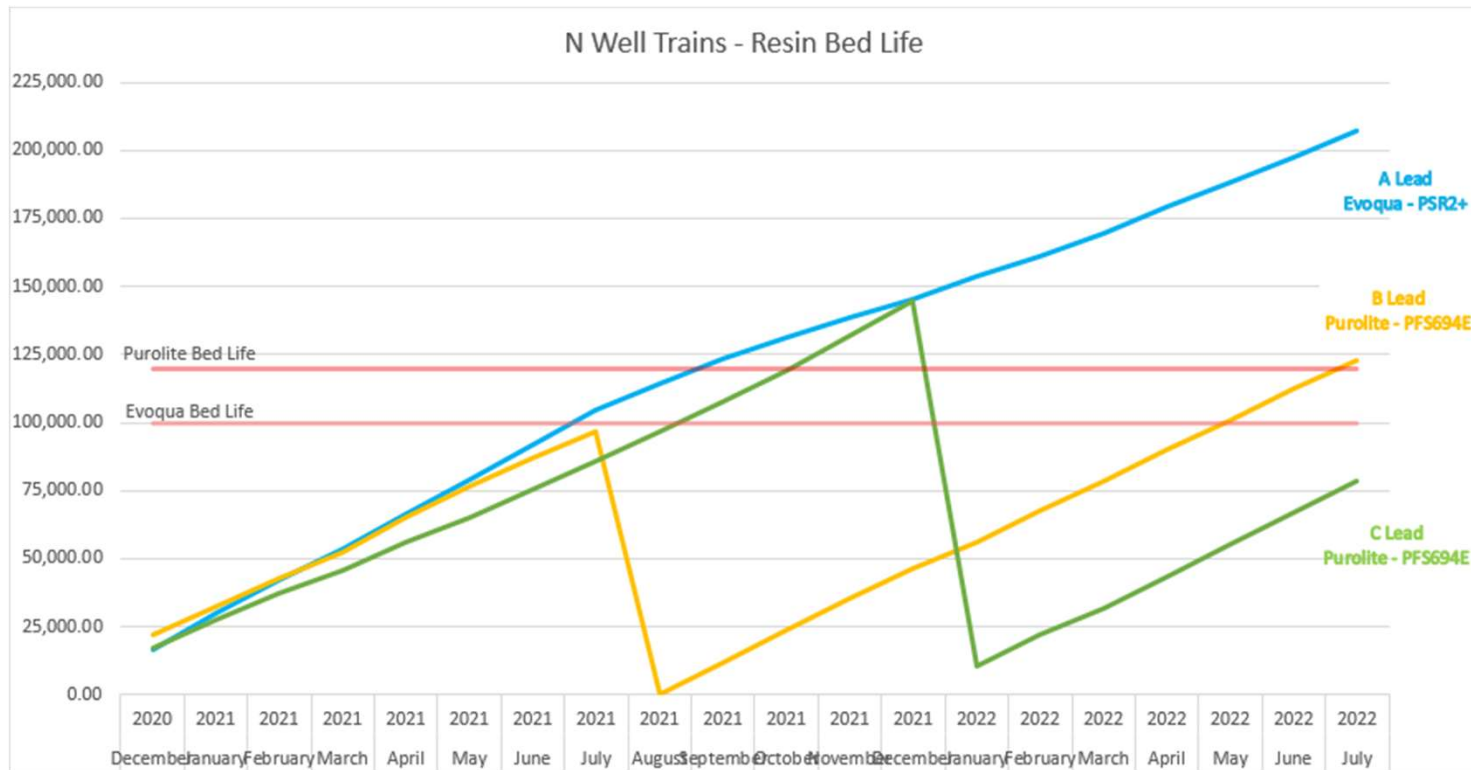
Pilot-Scale Evaluation of Four Adsorbents for PFAS
Removal from SCVWA Groundwater
Engineering & Operations Committee

Previous WQTS Work

Bench-Scale Study for N Wells Treatment



Current Resin Bed Life



Current Resin Costs

Resin cost per vessel for N Wells Treatment Facility

- Ion Exchange Resins:
 - Evoqua PSR2+ \$294,668 (including tax and disposal)
 - Purolite A532EBF \$194,041 (including tax and disposal)*

*cost was from 8/2021 and may not include recent price increases

Proposed Pilot Study Unit

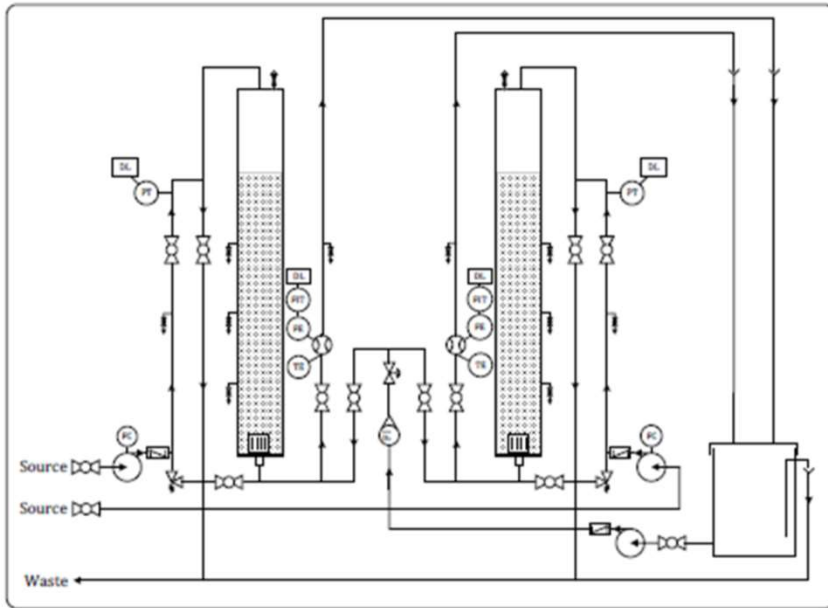


Figure 1 - Schematic P&ID of each Dual-Contactor Pilot Unit

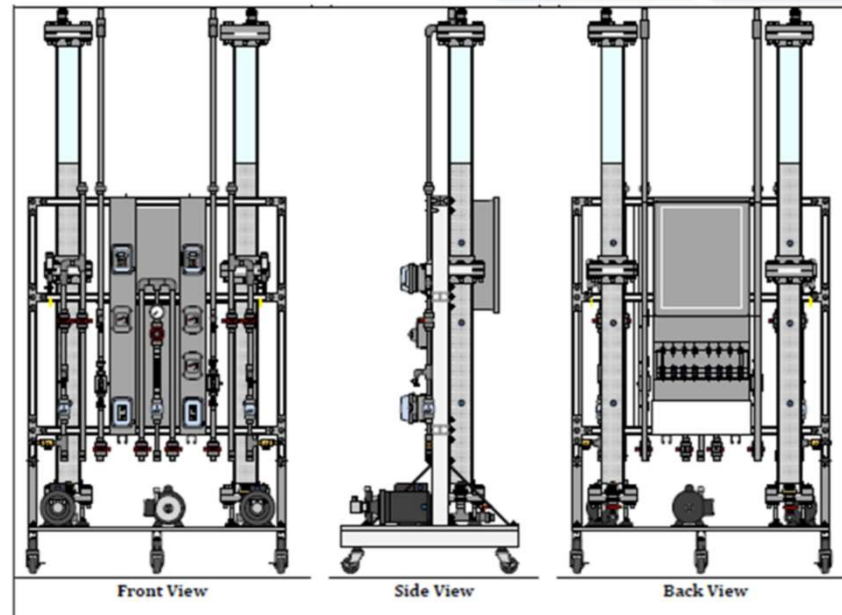


Figure 2 - Detailed Views of the WQTS Dual-Contactor Pilot Unit

Each pilot unit allows for the parallel evaluation of two adsorbents. Each contactor on the unit has the following specifications:

1. Flow Rate: 0.4 to 2 gpm
2. Hydraulic loading rate of 2 to 10 gpm/sf
3. Media depth up to 60"
4. EBCT = 2 to 20 minutes
5. Standard Outlet, single phase, 120V, 15 amps

Pilot Study Highlights

- 52 Week Test Period
- 4 medias being studied
 - Fluorosorb (FS200) provided by CETCO
 - SIR-110HP Provided by Resin Tech
 - PFCR-2 provided by Resinex
 - Granular Activated Carbon (GAC)
- SCVWA staff collects samples
- WQTS maintains unit
- Media supplies cover monitoring costs



Breakdown of Anticipated Cost

Tasks	Bid Amount
Kick-off Meeting	\$2,600
Pilot Testing Plan	\$12,300
Pilot Equipment Mobilization	\$23,800
Monitoring & Data Analysis	\$140,600
Progress Reporting, Meetings, and Management	\$28,100
Final Report & Closeout Meeting	\$27,100
Total	\$234,500

Recommendations

- That the Engineering and Operations Committee recommends that the Board of Directors authorize the General Manager to enter into a contract with Water Quality Treatment Solutions, Inc., in the amount of \$234,500 for the completion of a PFAS Media Pilot Plant Study.





COMMITTEE MEMORANDUM

DATE: September 15, 2022

TO: Engineering and Operations Committee

FROM: Courtney Mael, P.E. *CM*
Chief Engineer

SUBJECT: Recommend Approval of a Resolution for a Construction Contract with Paso Robles Tank for the Newhall Tanks 1 and 1 A – Tank Upgrades Project

SUMMARY

SCV Water has over 100 potable water tanks in the distribution system. The majority of the water tanks have vertical ladders for maintenance access to the top of the tank. Most of the tanks with vertical fixed ladders have safety cages and utilize personal fall arrest systems for fall protection that must comply with Occupational Safety and Health Administration (OSHA) requirements. OSHA requirements for fixed ladder safety have changed and indicate that ladder cages will no longer be accepted as a form of fall protection on any fixed ladder and all fixed ladders extending more than 24 feet must have a ladder safety system or a personal fall arrest system. For the Newhall Tanks 1 and 1A, staff has determined to replace the vertical fixed ladders, with stairs on one tank and a catwalk to provide a safer access to both tanks. Design has been completed and construction bids have been received. Staff is recommending approval of resolution for a construction contract award to Paso Robles Tank, Inc. (Paso Robles Tank) for the Newhall Tanks 1 and 1A.

DISCUSSION

The Newhall 1 and 1A Tanks are located at 21575 Deputy Jake Drive in Newhall and were constructed in 1962 and 1995, respectively.

In November 2018, OSHA updated their ladder safety requirements to help improve safety in the workplace. One of the updated requirements, which all of our potable tanks are in compliance with, indicate that as of November 19, 2036, ladder cages will no longer be accepted as a form of fall protection on any fixed ladder and all fixed ladders taller than 24 feet must use a ladder safety system or a personal fall arrest system. There are several options available to meet the OSHA fall protection requirements. One option is to implement a robust fall protection protocol at all tanks which includes a ladder safety system or personal fall arrest system. This option requires specialized training by a qualified person, as well as the purchase and routine maintenance of fall protection equipment. This option does not address the inherent hazard related to climbing a fixed ladder, but rather relies on administrative controls and personal protective equipment to conduct work safely. Another option available is to eliminate the use of fixed ladders in favor of installing stairs.

Operations staff routinely access the top of water tanks for various maintenance activities as needed. Stairs provide safer and easier access to the tops of tanks. Therefore, staff will be reviewing all the existing tanks that have ladders and cages to determine which tanks to install

stairs or stairs and a catwalk. For the Newhall Tanks 1 and 1A, staff has determined to replace the vertical ladders with stairs and a catwalk to provide a safer access to both tanks.

Design has been completed and the construction contract documents for the site improvements for the Newhall Tanks 1 and 1 A – Tank Upgrades project were advertised for construction bids from July 08, 2022, to August 31, 2022.

The bid solicitation was advertised in accordance with the SCV Water Purchasing Policy, with notices in The Signal on three (3) different dates and on the Agency’s website. On August 31, 2022, the following bids were received:

Bidder	Bidder Office Location	Total Bid Price
Paso Robles Tank, Inc.	Paso Robles, CA	\$299,500
Utility Service Co., Inc.	Perry, GA	\$383,800
Spiess Construction Co., Inc.	Santa Maria, CA	\$499,210
Vicon Enterprise, Inc.	Anaheim, CA	\$500,000
Unix Construction, Inc.	Los Angeles, CA	\$693,000

The apparent lowest bid is from Paso Robles Tank for a total of \$299,500. The engineer’s estimate for the project is \$386,000. Paso Robles Tank is licensed as a Class A General Engineering Contractor in California and is registered with the Department of Industrial Relations. Staff has reviewed their bid and Paso Robles Tank appears to be the lowest responsive responsible bidder.

This project helps meet SCV Water’s Strategic Plan Objectives B1.1: “Implement capital projects related to infrastructure reliability” and B5.1: “Maintain all facilities and appurtenances in a consistent fashion to achieve operational efficiency and functionality”.

CEQA DETERMINATION

The proposed action today is the adoption of a resolution for a construction contract with Paso Robles Tank for the Newhall Tanks 1 and 1A - Tank Upgrades project. The whole of the action also includes operation of the project. The term “project” in CEQA refers to the whole of an action and to the underlying activity being approved, not to each governmental approval. (CEQA Guideline §15378(a), (c)–(d).) This definition ensures that the action reviewed under CEQA is not the approval itself but the development or other activities that will result from the approval.

Because the project construction is a minor alteration of existing facilities limited to construction within the Agency’s existing property, construction and operation of this project is found to be categorically exempt under the provisions of CEQA and the State CEQA Guidelines as described below:

- The project, aka the whole of the action, qualifies for an exemption under CEQA guidelines section 15301 Class 1 Minor Alterations to Existing Facilities because it is a minor alteration of an existing public facility and it concerns proposed new stair and catwalk improvements involving negligible or no expansion of use, beyond that existing at the time of the lead agency’s determination.

FINANCIAL CONSIDERATIONS

The project is included in the Agency's FY 2022/23 Capital Improvement Program Budget for the N Tanks 1 and 1 A – Tank Upgrades project. As of August 31, 2022, the project's FY 2022/23 total expenses for this project are approximately \$8,000.

RECOMMENDATION

That the Engineering and Operations Committee recommends that the Board of Directors approve the attached resolution awarding a construction contract with Paso Robles Tank in an amount not to exceed \$299,500 for the Newhall Tanks 1 and 1 A – Tank Upgrades project.

Attachment

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RESOLUTION NO. XXXX

**RESOLUTION OF THE BOARD OF DIRECTORS
OF THE SANTA CLARITA VALLEY WATER AGENCY
AWARDING A CONTRACT TO PASO ROBLES TANK FOR THE
NEWHALL TANKS 1 AND 1A – TANK UPGRADES PROJECT**

WHEREAS, Santa Clarita Valley Water Agency (Agency) determined that the proposed Newhall Tanks 1 and 1A – Tank Upgrades project will include installation of a new tank stairway, catwalk, handrails, non-skid paint on the tanks; and

WHEREAS, SCV Water, as a CEQA Lead Agency, filed a Notice of Exemption for the Newhall Tanks 1 and 1A Upgrade project with both the Los Angeles County Clerk’s Office and Ventura County Clerk’s office on November 4, 2021, and the State Clearinghouse on October 15, 2021, and there are no substantial changes to the project; and

WHEREAS, the project, aka the whole of the action, qualifies for an exemption under CEQA guidelines section 15301 Class 1 Minor Alterations to Existing Facilities because it is a minor alteration of an existing public facility and it concerns proposed stairs and catwalk improvements, beyond that existing at the time of the lead agency’s determination; and

WHEREAS, no further CEQA documentation is necessary for the Board to act with regards to the proposed actions; and

WHEREAS, all bid proposals submitted to the Agency pursuant to the Agency’s specifications (Project No. 2301157) for the Newhall Tanks 1 and 1A – Tank Upgrades project, as amended by Addendum, were publicly opened electronically on the Agency’s bid website page on Planet Bids on Wednesday, August 31, 2022 at 2:00 p.m., in full accordance with the law and the Agency’s customary procedures; and

WHEREAS, the Board of Directors finds, after considering the opinion of staff, that the total bid of Paso Robles Tank, Inc. (Paso Robles Tank), in the amount of \$299,500, is the lowest responsive and responsible bid of five (5) bids submitted, and that said bid substantially meets the requirements of said construction contract documents as amended by Addendum; and

WHEREAS, it is in the Agency’s best interest that the Board of Directors, on behalf of the Agency, authorize its General Manager to accept the \$299,500 bid from Paso Robles Tank.

NOW, THEREFORE, BE IT RESOLVED, that the Agency’s Board of Directors does authorize its General Manager to accept Paso Robles Tank bid and does therefore authorize the Agency’s General Manager or its Chief Engineer to issue a Notice of Award to Paso Robles Tank, hereby found to be the “lowest responsive responsible bidder” for the Newhall Tanks 1 and 1A – Tank Upgrades project for the total sum of \$299,500.

RESOLVED FURTHER that the Agency’s General Manager or its President and Secretary are thereupon authorized, upon receipt of appropriate payment and performance bonds, appropriate certificates of insurance and an executed Contract

Agreement from Paso Robles Tank, all of which must be approved by General Counsel, to execute the said Contract Agreement on behalf of the Agency.

RESOLVED FURTHER that the Agency's General Manager or Chief Engineer are thereafter authorized to execute and forward to Paso Robles Tank an appropriate Notice to Proceed.

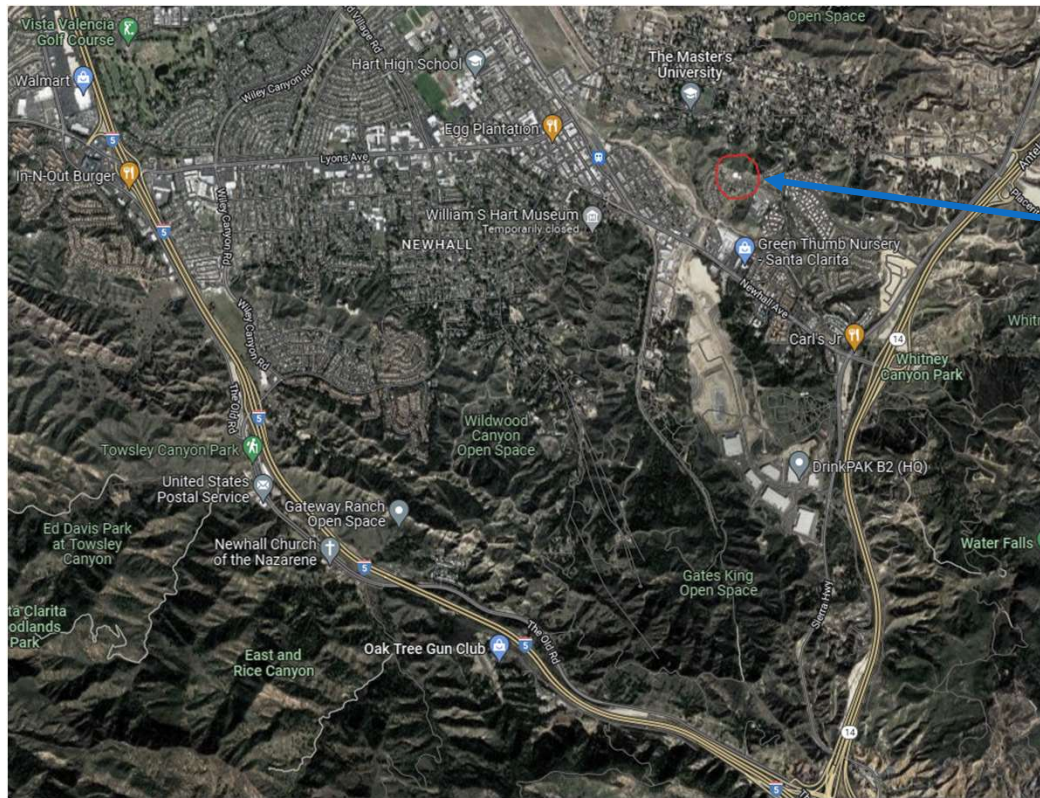


October 6, 2022

Newhall Tanks 1 and 1 A - Tank Upgrades Project

Engineering and Operations
Committee Meeting

Newhall Tanks 1 and 1 A - Tank Upgrades Project Location Map

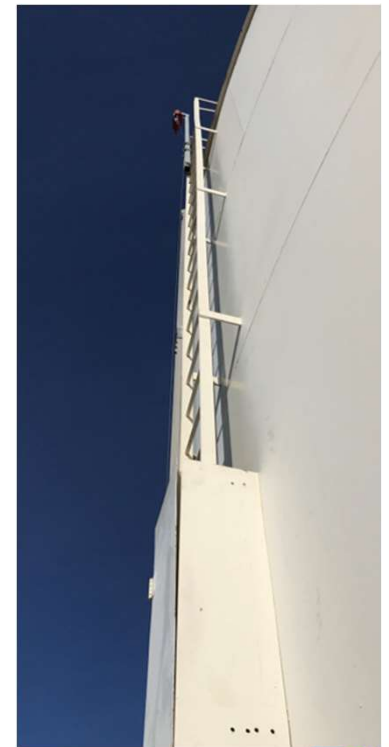


Newhall Tanks
1 and 1A

Newhall Tanks 1 and 1 A - Tank Upgrades Project Existing Ladder Safety System Pictures



Newhall Tanks 1 and 1 A - Tank Upgrades Project Existing Ladder Safety System Pictures



Source: [3M.com/FallProtection](https://www.3m.com/FallProtection) (for illustration purposes only)

Newhall Tanks 1 and 1 A - Tank Upgrades Project Magic Mountain Tanks Stairs and Catwalk Pictures



Newhall Tanks 1 and 1 A - Tank Upgrades Project Bid Opening Results

- Staff advertised project on PlanetBids from July 8 to August 31, 2022
- Project was advertised in the Signal on July 16, 23 and 28, 2022
- Bids were electronically opened on August 31, 2022

Bidder	Bidder Office Location	Total Bid Price
Paso Robles Tank, Inc.	Paso Robles, CA	\$299,500
Utility Service Co., Inc.	Perry, GA	\$383,800
Spiess Construction Co., Inc.	Santa Maria, CA	\$499,210
Vicon Enterprise, Inc.	Anaheim, CA	\$500,000
Unix Construction, Inc.	Los Angeles, CA	\$693,000

Paso Robles Tank was determined to be the lowest responsive responsible bidder.

*Engineer's Estimate \$386,000



Newhall Tanks 1 and 1 A - Tank Upgrades Project Project Schedule

- Construction Award Phase:
 - October 6, 2022: Engineering & Operations Committee
 - November 01, 2022: Board Meeting
- Construction Phase:
 - November 10, 2022: Notice to Proceed
 - November 2022 to April 2023: Construction (150 calendar days)



Newhall Tanks 1 and 1 A - Tank Upgrades Project Recommendation

That the Engineering and Operations Committee recommends that the Board of Directors approve:

Adopt the resolution awarding a construction contract with Paso Robles Tank in an amount not to exceed \$299,500 for the Newhall Tanks 1 and 1 A - Tank Upgrades Project.





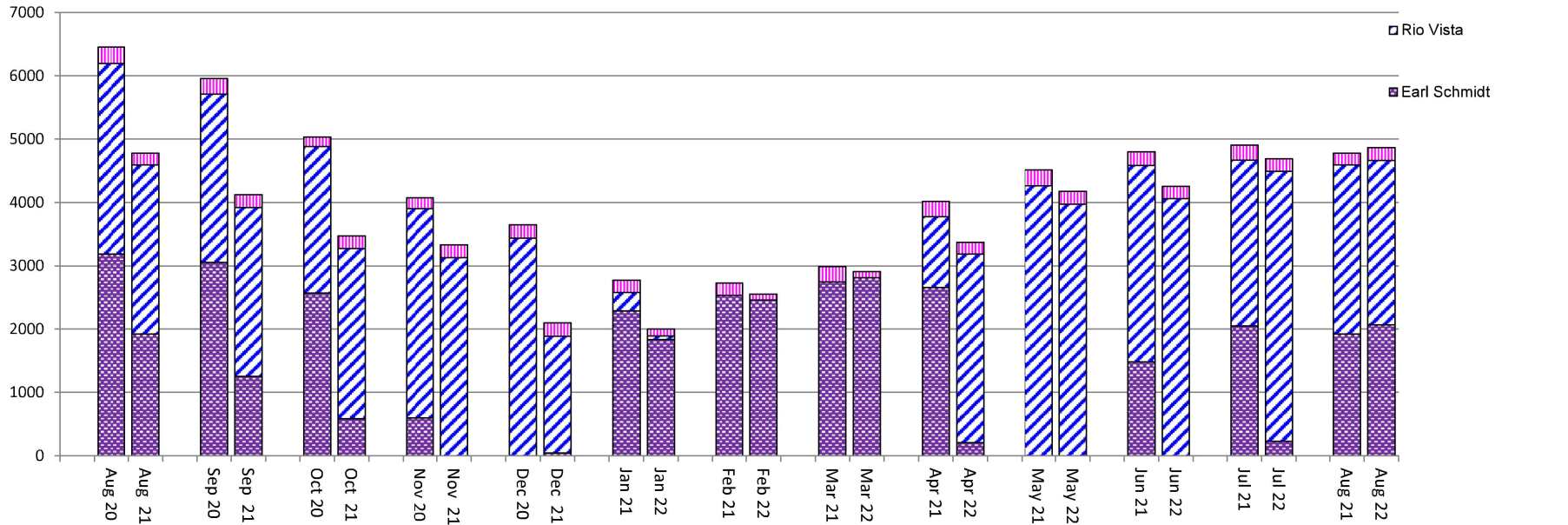
Monthly Operations & Production Report

August 2022

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SANTA CLARITA VALLEY WATER AGENCY
August 2022 Regional Operations Report

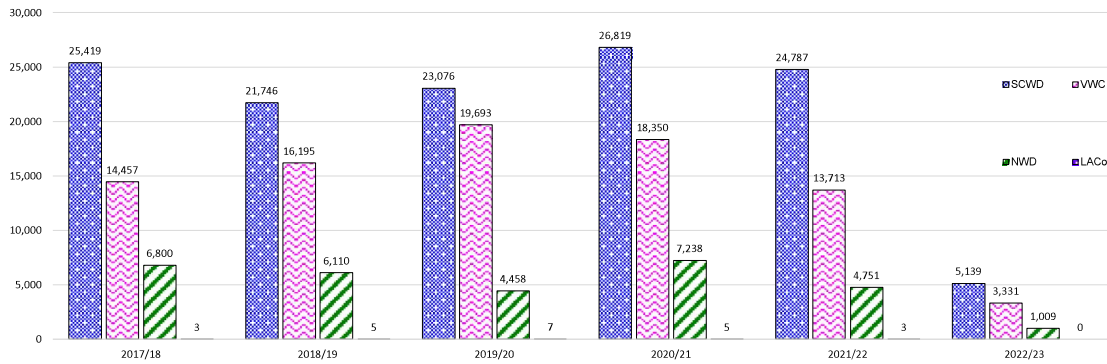
Water Supply (acre-feet)



Source	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Total
Earl Schmidt	1922	1252	587	0	43	1837	2459	2810	208	0	0	234	2068	13420
Rio Vista	2675	2671	2689	3127	1847	55	0	0	2977	3975	4064	4257	2595	30932
Saugus 1 and 2	183	200	193	200	205	106	94	102	186	202	191	203	205	2270
Total	4780	4123	3469	3327	2095	1998	2553	2912	3371	4177	4255	4694	4868	41754
Total Sold	5069.61	4559	3585	3390	2113	2106	2593	3075	3243	4210	4279	4759	4720	47701.61
RWTP Use/Storage	89.5	8.6	24.69	22.18	59.27	-64.57	3.22	-8.02	70.97	38.57	33.15	83.45	32.6	393.61
Total Use	5159.11	4567.6	3609.69	3412.18	2172.27	2041.43	2596.22	3066.98	3313.97	4248.57	4312.15	4842.45	4752.6	43342.62
Water Loss	7.93%	10.78%	4.06%	2.56%	3.69%	2.17%	1.69%	5.32%	-1.69%	1.71%	1.34%	3.16%	-2.37%	3.56%
Recycled Water	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Total
Valencia	66	56	42	28	9	15	19	31	57	108	143	151	149	874

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

HISTORICAL FY Production 2017-2023



HISTORICAL FY PRODUCTION 2016-2022

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
NWD	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
VWD	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	362	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	2,552	23,076
VWD	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
Total	5,823	5,779	5,316	4,879	3,651	1,715	2,353	2,411	2,309	2,660	5,004	5,336	47,234
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
VWD	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
Total	6,048	6,373	5,870	4,970	4,050	3,605	2,766	2,662	2,871	3,887	4,500	4,809	52,413
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	2,924	2,593	2,053	1,941	1,255	1,331	1,547	1,800	1,865	2,217	2,311	24,787
VWD	1,381	1,439	1,386	1,172	1,158	690	634	799	984	1,040	1,540	1,489	13,713
NWD	700	705	581	358	291	167	140	247	292	338	453	480	4,751
LACo	1	1	0	0	0	0	0	0	0	0	0	0	3
Total	5,030	5,070	4,559	3,585	3,390	2,113	2,106	2,593	3,075	3,243	4,210	4,279	43,253
Cum. FYTD	5,030	10,100	14,660	18,244	21,634	23,747	25,852	28,445	31,521	34,764	38,974	43,253	
2022/23	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,536	2,603	0	0	0	0	0	0	0	0	0	0	5,139
VWD	1,664	1,667	0	0	0	0	0	0	0	0	0	0	3,331
NWD	558	451	0	0	0	0	0	0	0	0	0	0	1,009
LACo	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	4,758	4,720	0	0	0	0	0	0	0	0	0	0	9,479
Cum. FYTD	4,759	9,479	9,479	9,479	9,479	9,479	9,479	9,479	9,479	9,479	9,479	9,479	

*Total does not include recycled water.

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

	<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>	<i>2010-11</i>
October	1.13	0.22	0.00	1.10	4.79	1.91	0.42	0.25	0.09	4.04	1.34
November	0.00	3.18	3.01	0.63	0.64	0.59	0.05	0.50	1.78	0.08	1.87
December	0.00	1.30	5.85	2.57	8.54	0.14	0.83	2.67	3.01	4.28	11.97
January	5.84	1.55	0.00	0.65	17.06	3.27	1.66	17.54	0.69	9.13	0.96
February	10.76	0.51	9.03	8.07	16.69	3.78	1.38	1.82	6.78	4.96	5.36
March	3.38	0.38	2.38	0.37	2.70	5.68	0.17	0.10	1.18	0.69	8.86
April	2.56	0.05	2.35	0.20	1.42	4.22	0.71	0.07	0.07	2.40	0.12
May	0.00	0.12	1.70	0.00	0.45	0.99	0.00	0.17	0.01	0.07	0.74
June	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.04
July	0.00	0.00	0.02	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.01
August	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00
September	0.00	0.02	0.00	0.00	0.17	0.00	1.32	0.00	0.00	0.00	0.00
TOTAL	23.67	7.34	24.34	13.59	52.55	20.58	6.58	23.12	13.64	25.65	31.27
	<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>	<i>2021-22</i>
October	1.97	0.15	0.11	0.32	0.17	0.43	0.00	0.52	0.01	0.04	1.22
November	2.50	2.20	1.41	0.64	0.21	1.49	0.06	1.87	2.61	0.14	0.04
December	1.19	1.54	0.37	6.16	0.49	3.44	0.01	2.77	5.12	1.40	13.86
January	1.23	1.94	0.06	1.44	6.07	10.30	3.18	8.08	0.54	2.08	0.40
February	0.13	0.42	5.26	0.74	0.69	8.98	0.35	8.56	0.12	0.03	0.00
March	4.99	1.21	1.64	1.09	2.75	0.33	7.50	4.15	5.81	0.84	1.96
April	4.02	0.00	0.31	0.16	0.37	0.09	0.02	0.09	4.45	0.01	0.12
May	0.01	0.74	0.00	0.66	0.09	0.26	0.01	1.60	0.16	0.00	0.00
June	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.00	0.00
July	0.00	0.08	0.02	0.87	0.00	0.01	0.00	0.00	0.00	0.00	0.00
August	0.01	0.00	0.05	0.00	0.02	0.07	0.00	0.00	0.00	0.03	0.00
September	0.02	0.00	0.00	0.78	0.00	0.13	0.02	0.03	0.01	0.00	
TOTAL	16.07	8.28	9.23	12.87	10.87	25.53	11.15	27.68	18.84	4.57	17.60

Data Source: 2000 - February 2022 SCV Water's Pine Street office; March 2022 onward L.A. County Department of Public Works Newhall - Soledad Canyon Rain Gauge

SANTA CLARITA VALLEY WATER AGENCY
 WATER PRODUCTION 2022 (ACRE-FEET)

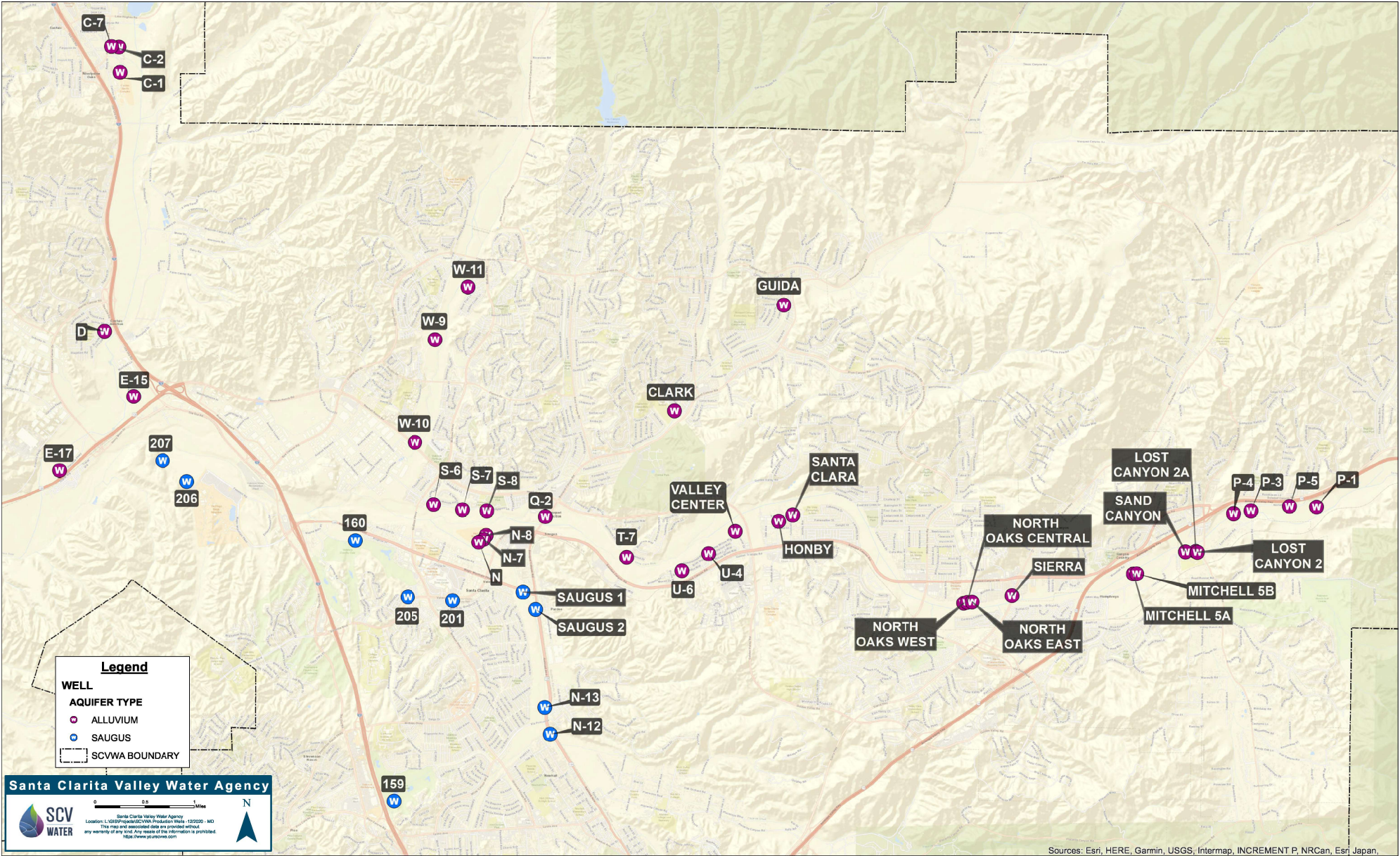
GROUNDWATER - ALLUVIUM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
C1	26	30	36	38	43	42	49	48					314
C2	13	14	18	19	21	21	21	20					146
C7	35	41	48	50	58	62	67	66					427
CLARK	0	0	0	0	0	0	0	0					0
D	0	0	0	0	0	0	0	0					0
E15	54	62	79	76	92	100	117	51					632
E17	45	54	64	66	74	73	66	95					537
GUIDA	45	53	52	41	34	39	67	64					395
HONBY	0	0	0	0	0	0	0	0					0
LOST CANYON NO.2	5	26	19	20	18	0	0	0					87
LOST CANYON NO.2A	28	63	43	55	70	62	61	70					452
MITCHELL 5A	6	0	0	0	0	0	0	0					6
MITCHELL 5B	0	0	0	0	0	0	0	0					0
N	89	79	91	75	106	97	104	104					745
N7	145	88	211	165	183	180	133	158					1262
N8	160	184	104	129	133	123	173	145					1151
NORTH OAKS CENTRAL	0	0	0	0	0	0	0	0					1
NORTH OAKS EAST	0	0	0	0	0	0	0	0					0
NORTH OAKS WEST	0	0	0	0	0	0	0	0					0
P1	15	12	0	0	0	0	0	0					27
P3	52	46	13	14	16	1	0	0					144
P4	0	0	0	0	0	0	0	0					0
P5	0	0	0	0	0	0	0	0					0
Q2	0	0	0	0	0	0	0	0					0
S6	0	0	0	0	0	0	0	0					0
S7	0	0	0	0	0	0	0	0					0
S8	0	0	0	0	0	0	0	0					1
SAND CANYON	28	63	52	52	66	59	55	61					436
SANTA CLARA	0	0	0	0	0	0	0	0					0
SIERRA	40	48	57	53	68	67	77	85					493
T7	0	0	0	0	0	0	0	0					0
U4	0	0	0	0	0	0	0	0					0
U6	0	0	0	0	0	0	0	0					0
VALLEY CENTER	0	0	0	0	0	0	0	0					0
W9	35	50	61	82	52	71	56	65					471
W10	58	95	108	152	103	119	102	0					738
W11	45	63	79	106	75	108	107	111					695
	922	1074	1135	1195	1212	1224	1256	1142	0	0	0	0	9160
GROUNDWATER - SAUGUS													
159	0	0	1	3	6	6	9	6					31
160 - DOM	35	42	0	0	0	0	0	0					77
160 - VGC (not included in % by Source)	13	25	0	0	0	0	0	0					37
201	0	0	0	0	0	0	0	0					0
205	0	0	0	0	0	0	0	0					0
206	50	106	132	157	177	278	317	290					1507
207	54	116	140	130	65	0	21	228					753
N12	109	117	142	145	170	164	187	199					1231
N13	122	132	161	166	198	192	221	236					1428
SAUGUS 1	103	93	102	98	101	97	102	103					798
SAUGUS 2	3	1	0	88	101	95	102	103					493
	489	630	678	788	818	830	958	1164	0	0	0	0	6355
TOTAL GROUNDWATER	1411	1704	1813	1983	2030	2056	2215	2306	0	0	0	0	15516

SANTA CLARITA VALLEY WATER AGENCY
 WATER PRODUCTION 2022 (ACRE-FEET)

SURFACE WATER + SAUGUS 1 & SAUGUS 2	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
N-1	26	30	28	26	40	46	49	58					304
N-2	27	61	123	133	160	173	189	195					1061
N-3	26	49	34	45	52	76	69	72					423
N-4	60	107	107	133	202	185	251	126					1171
SC-1	253	264	260	216	244	218	241	279					1977
SC-2	0	13	125	226	268	239	297	278					1447
SC-3	4	37	104	111	134	137	152	21					699
SC-4	287	354	315	310	380	371	378	390					2785
SC-5	16	0	0	44	76	116	138	197					588
SC-6	70	91	73	69	40	103	132	132					698
SC-7	154	201	195	168	225	268	237	221					1669
SC-8	120	163	159	124	150	156	294	363					1530
SC-9	263	245	291	289	302	287	284	315					2274
SC-10	25	31	28	36	51	71	90	65					399
SC-11	0	0	0	0	0	0	0	0					0
SC-12	48	54	129	175	238	249	184	174					1250
SC-13	92	104	122	96	109	96	108	167					894
V-1	90	115	131	139	162	176	197	233					1241
V-2	184	259	297	196	369	333	373	512					2523
V-4	34	46	44	55	98	109	95	62					543
V-5	150	126	108	256	319	261	405	336					1961
V-6	51	59	15	89	113	107	156	117					707
V-7	42	56	135	137	199	175	244	259					1248
V-8	84	138	253	169	279	328	194	148					1594
	2106	2593	3075	3243	4210	4279	4759	4720	0	0	0	0	28985
TOTAL SURFACE WATER - SAUGUS 1 & SAUGUS 2	1999	2499	2973	3057	4008	4088	4555	4515	0	0	0	0	27695
TOTAL PRODUCTION (GW + SURFACE WATER)	3410	4203	4786	5040	6038	6143	6770	6821	0	0	0	0	43211
% BY SOURCE													
GROUNDWATER	41%	40%	38%	39%	34%	33%	33%	34%					36%
SURFACE WATER	59%	60%	62%	61%	66%	67%	67%	66%					64%
RAW WATER - SOURCE													
RVWTP	55	0	0	2,977	3,975	4,064	4,257	2,595					17,922
ESFP	1,837	2,459	2,810	208	0	0	247	2,068					9,629
RECYCLED WATER													
RWPS 1	15	19	31	57	108	143	151	149					674
WHOLESALE - LA COUNTY WATERWORKS 36													
LA 1	0	0	0	0	0	0	0	0					0
LA 3	0	0	0	0	0	0	0	0					0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0

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SCVWA PRODUCTION WELLS



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan.

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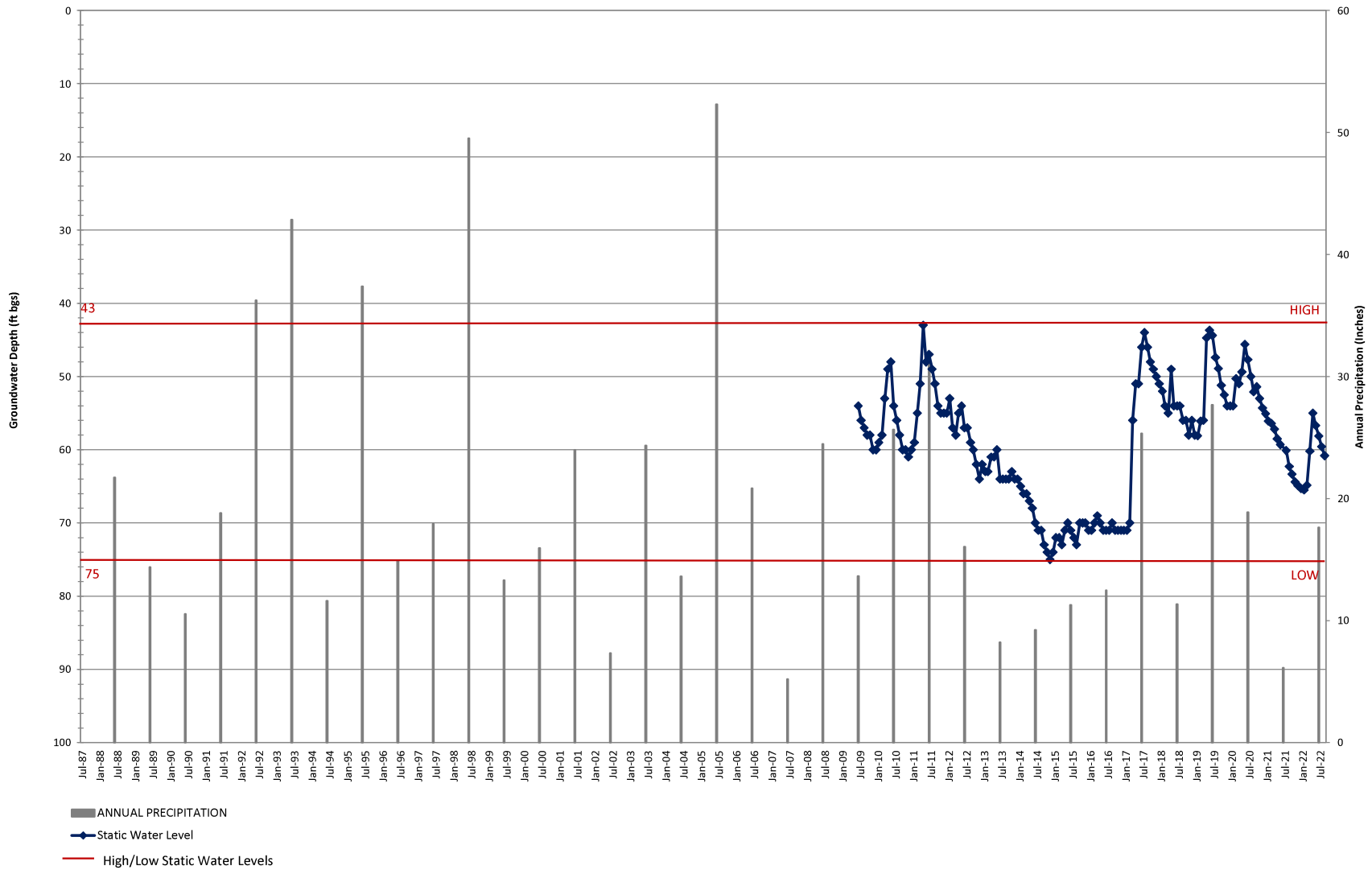
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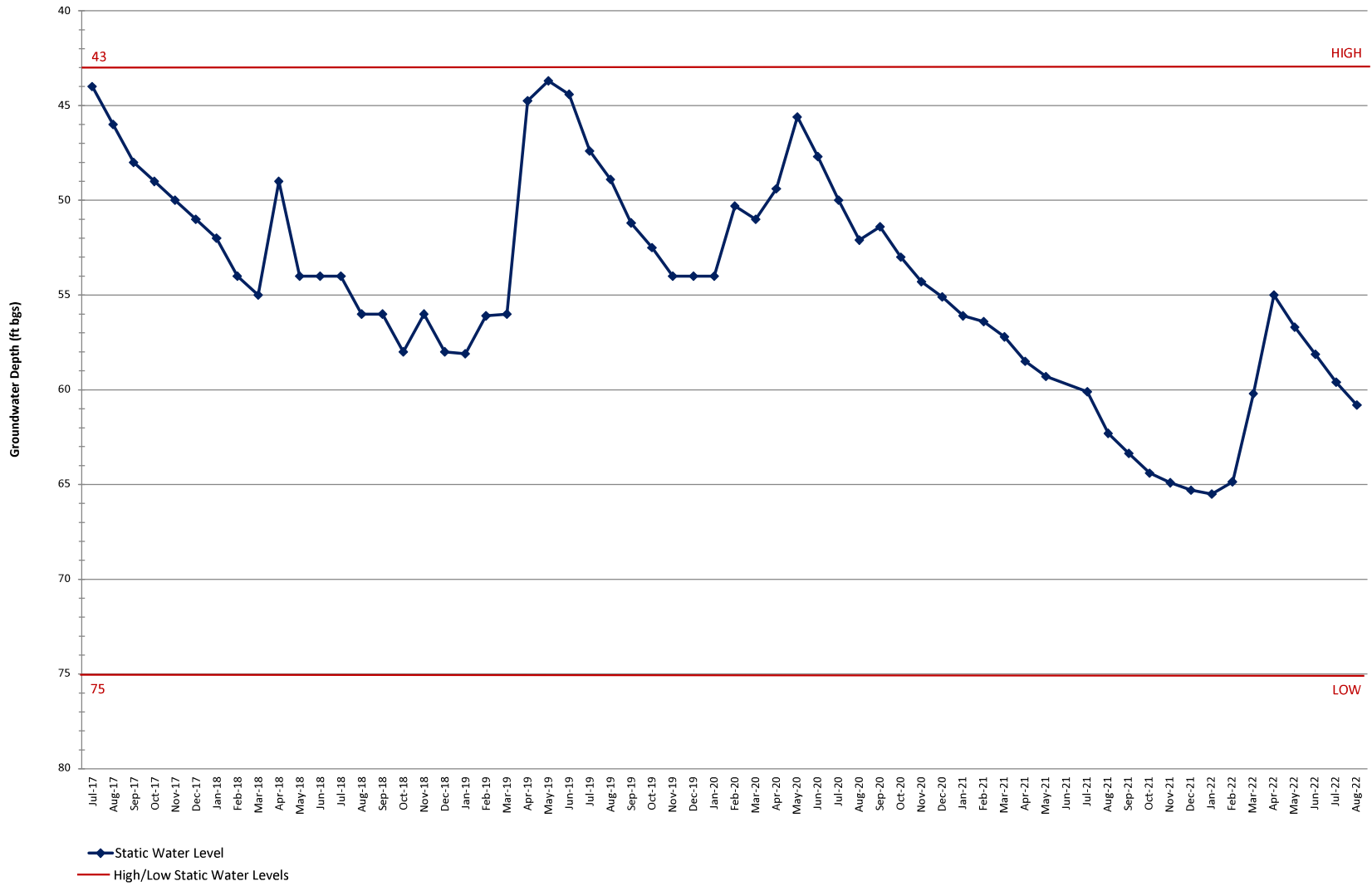
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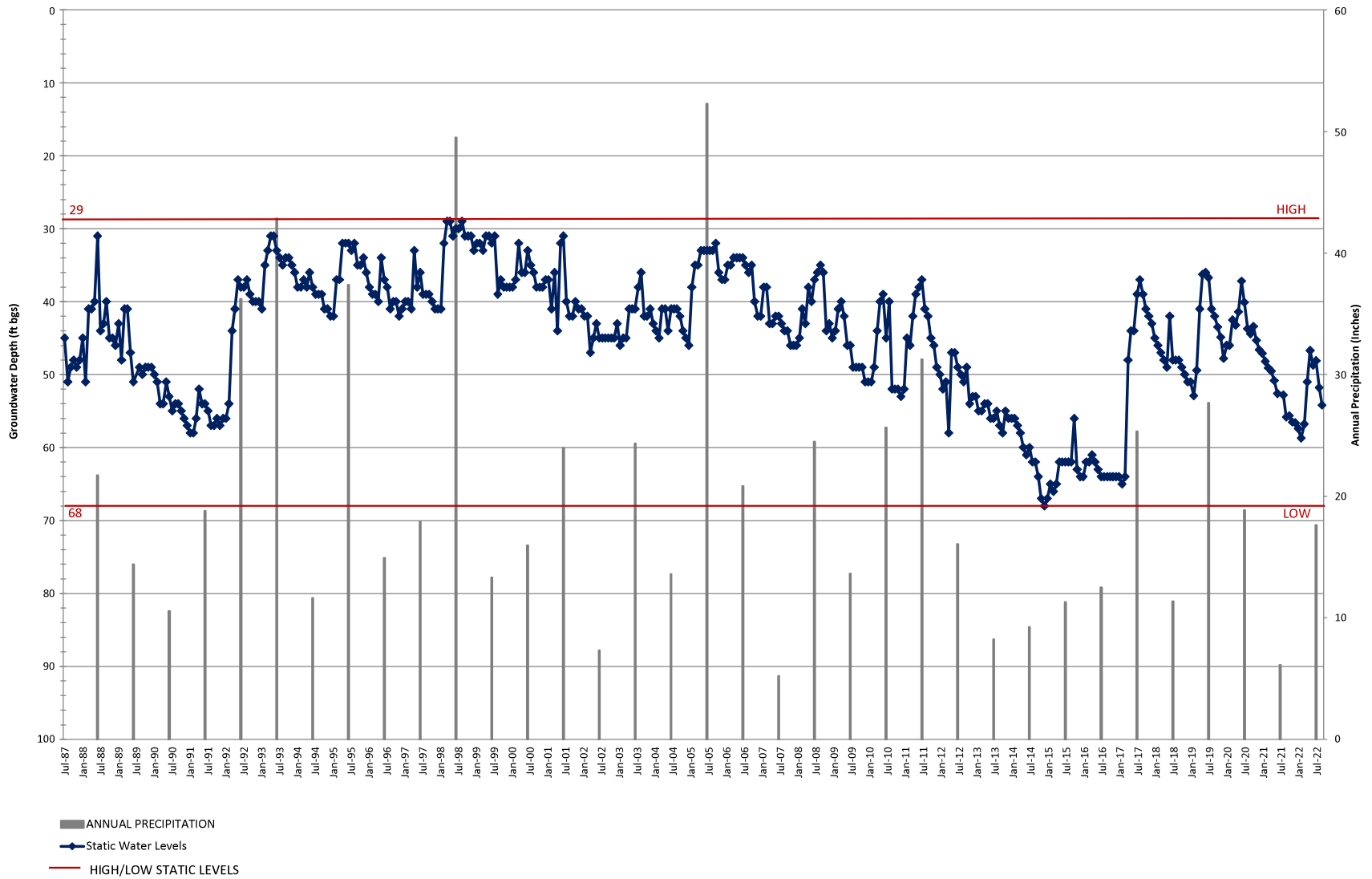
SCV WATER WELL C7
 STATIC WATER LEVEL VS PRECIPITATION



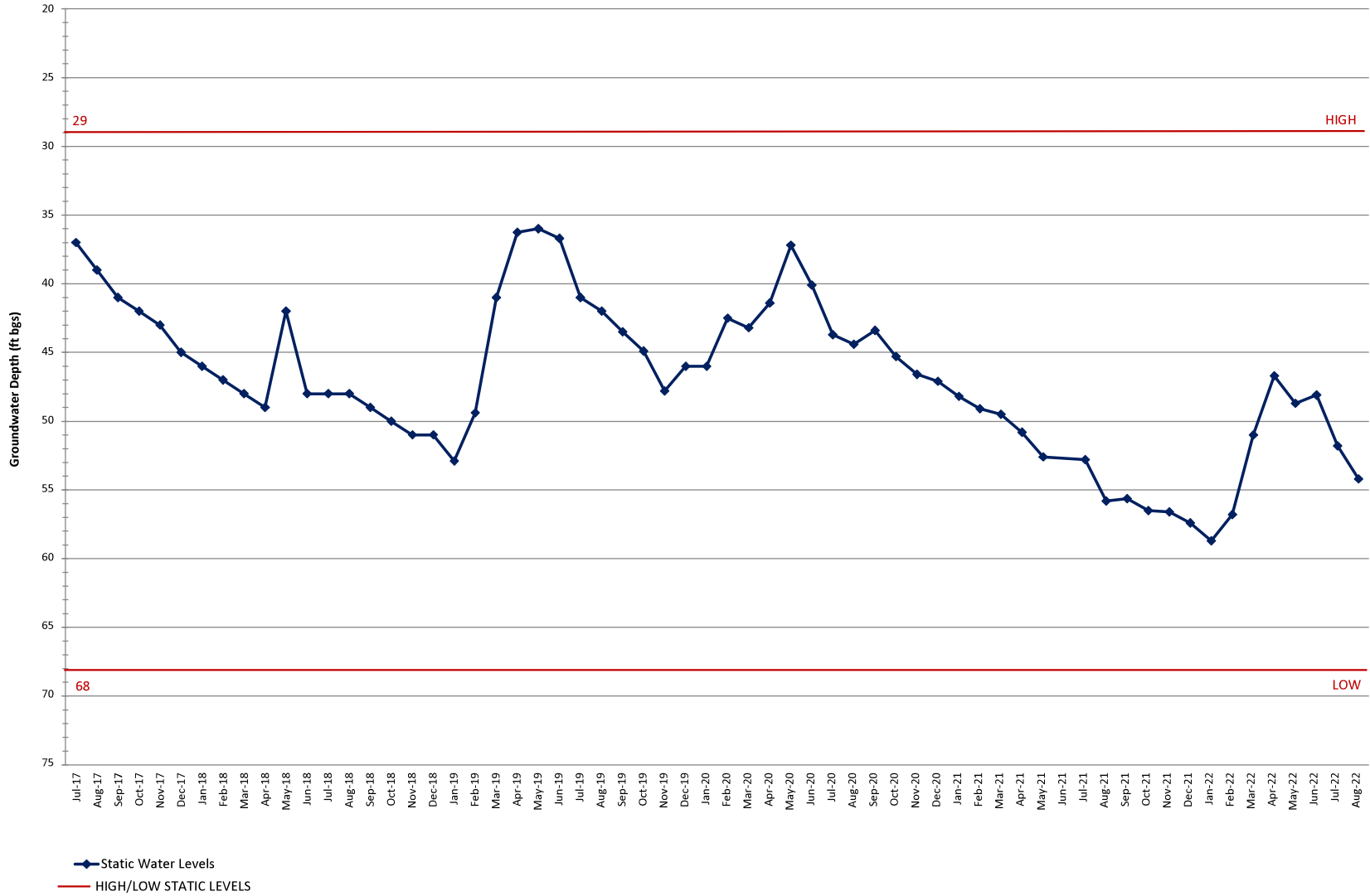
SCV WATER WELL C7
 STATIC WATER LEVEL



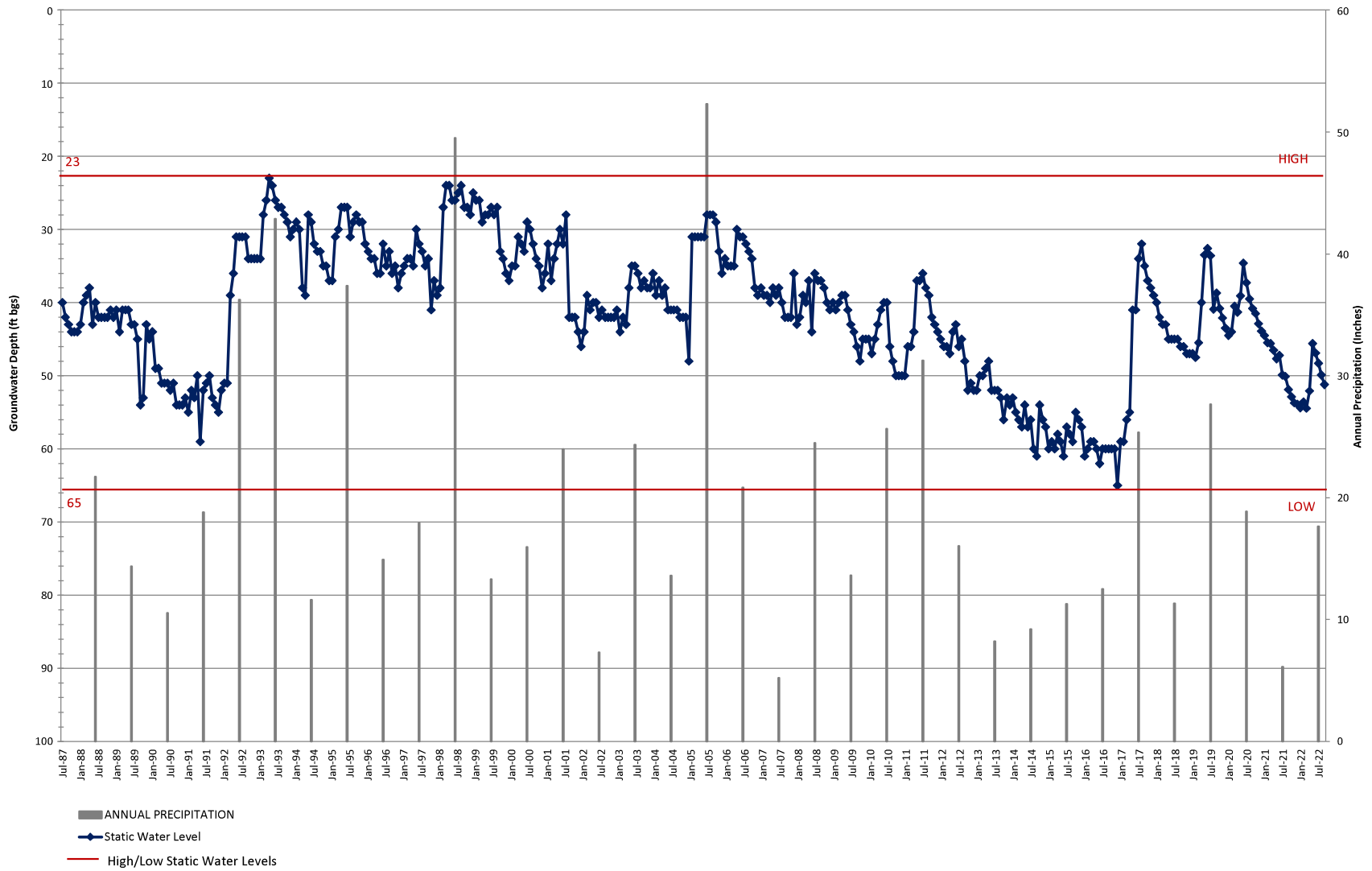
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 STATIC WATER LEVEL VS PRECIPITATION



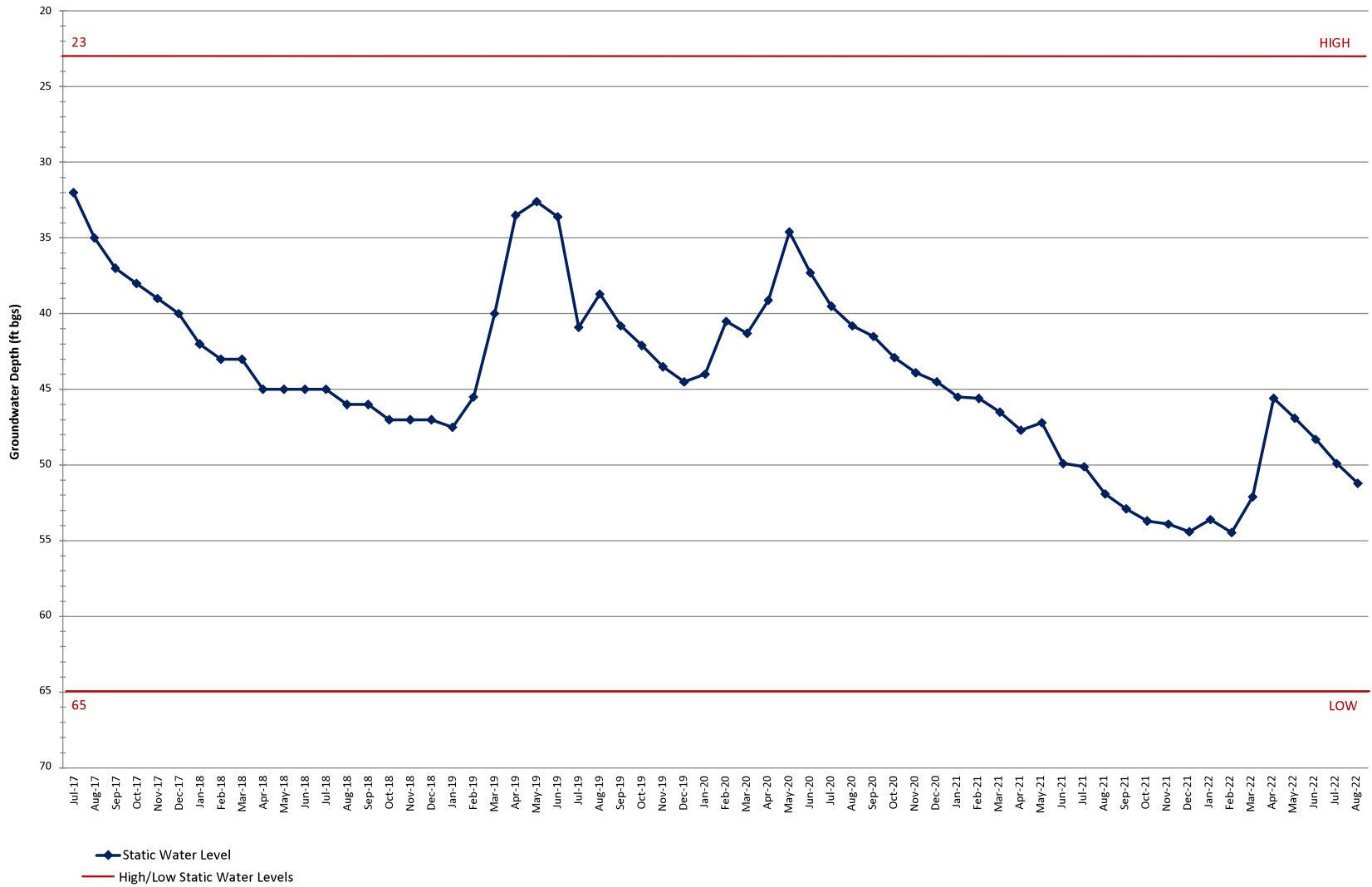
SCV WATER WELL C2
 STATIC WATER LEVEL



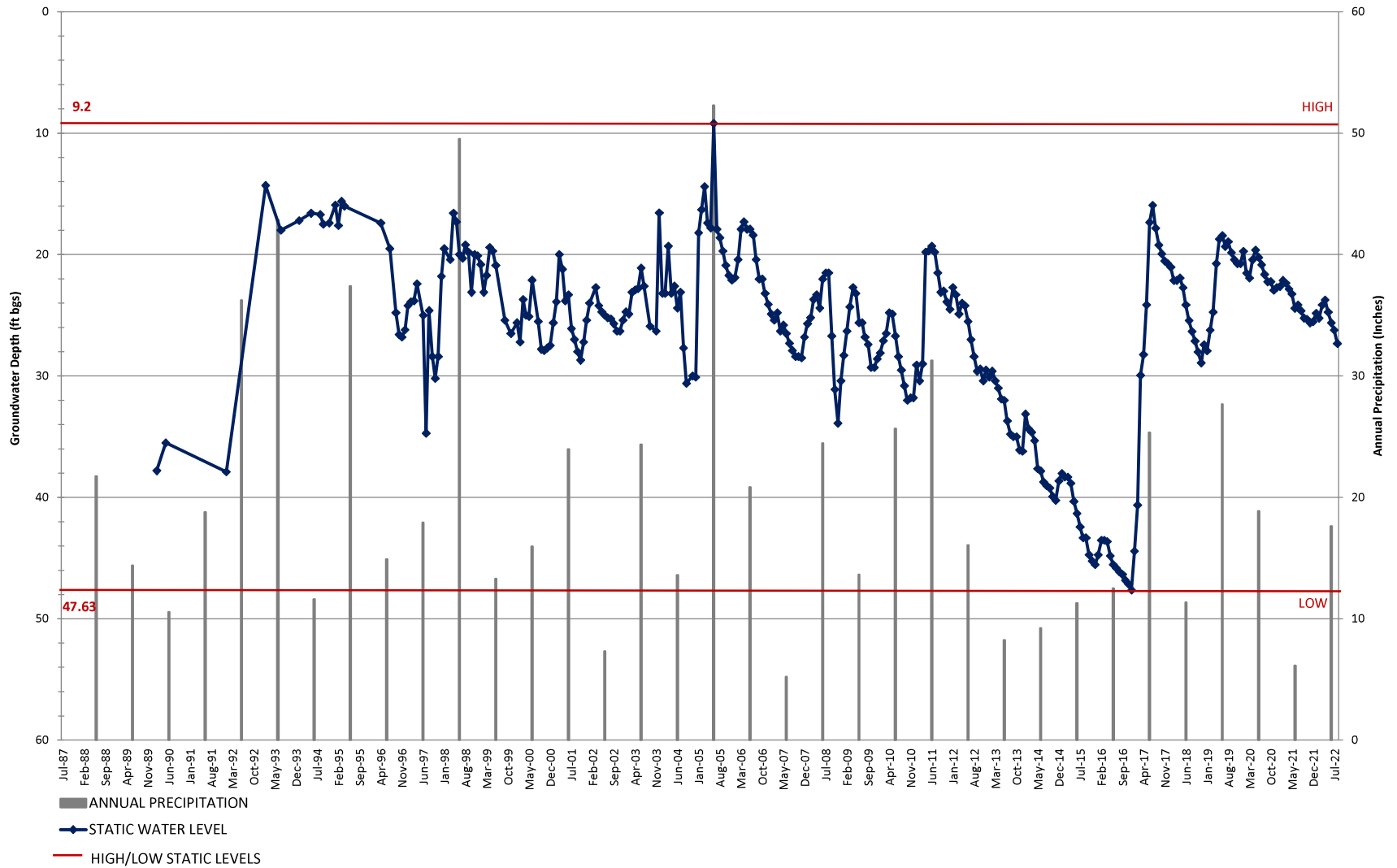
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 STATIC WATER LEVEL VS PRECIPITATION



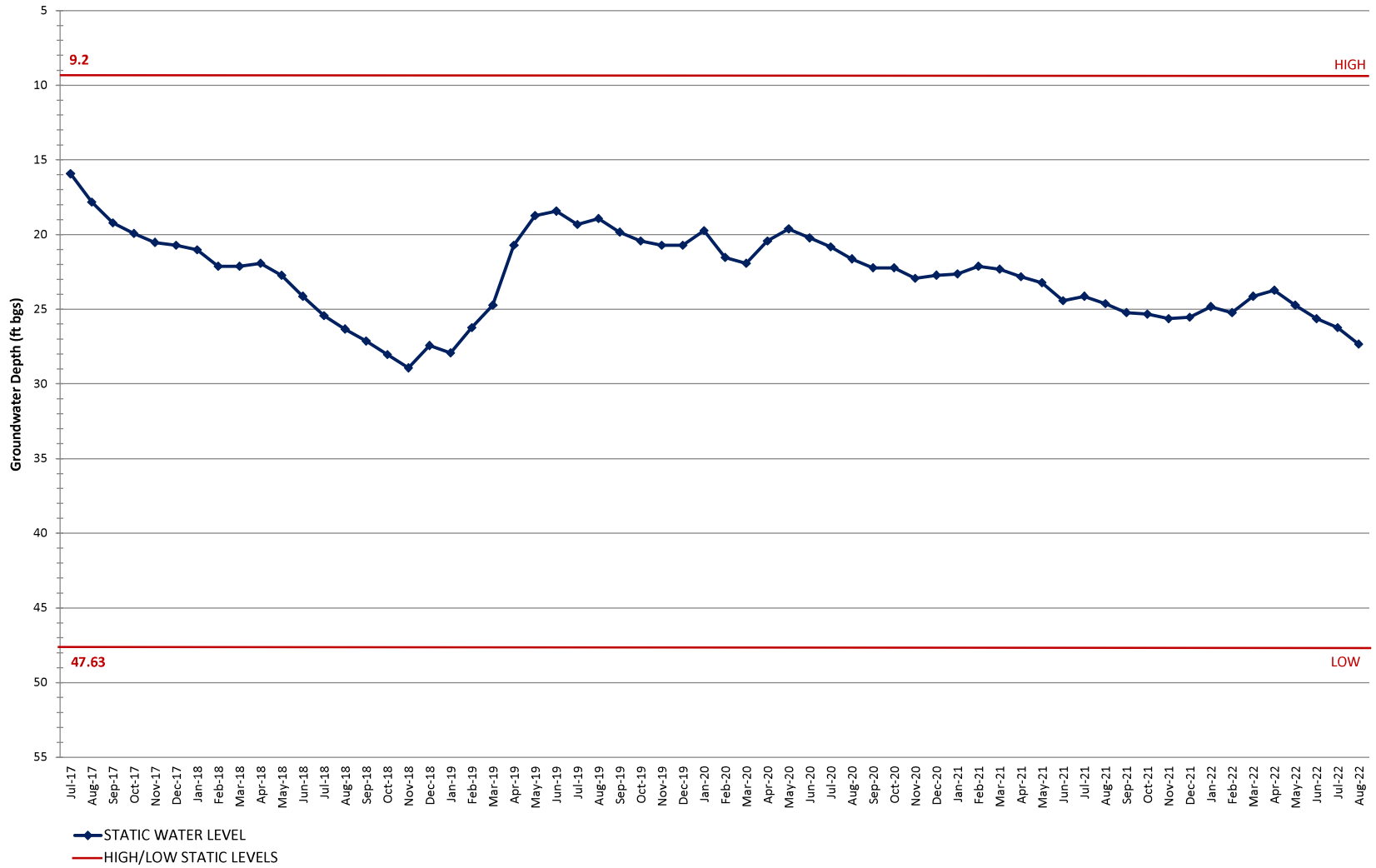
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 STATIC WATER LEVEL



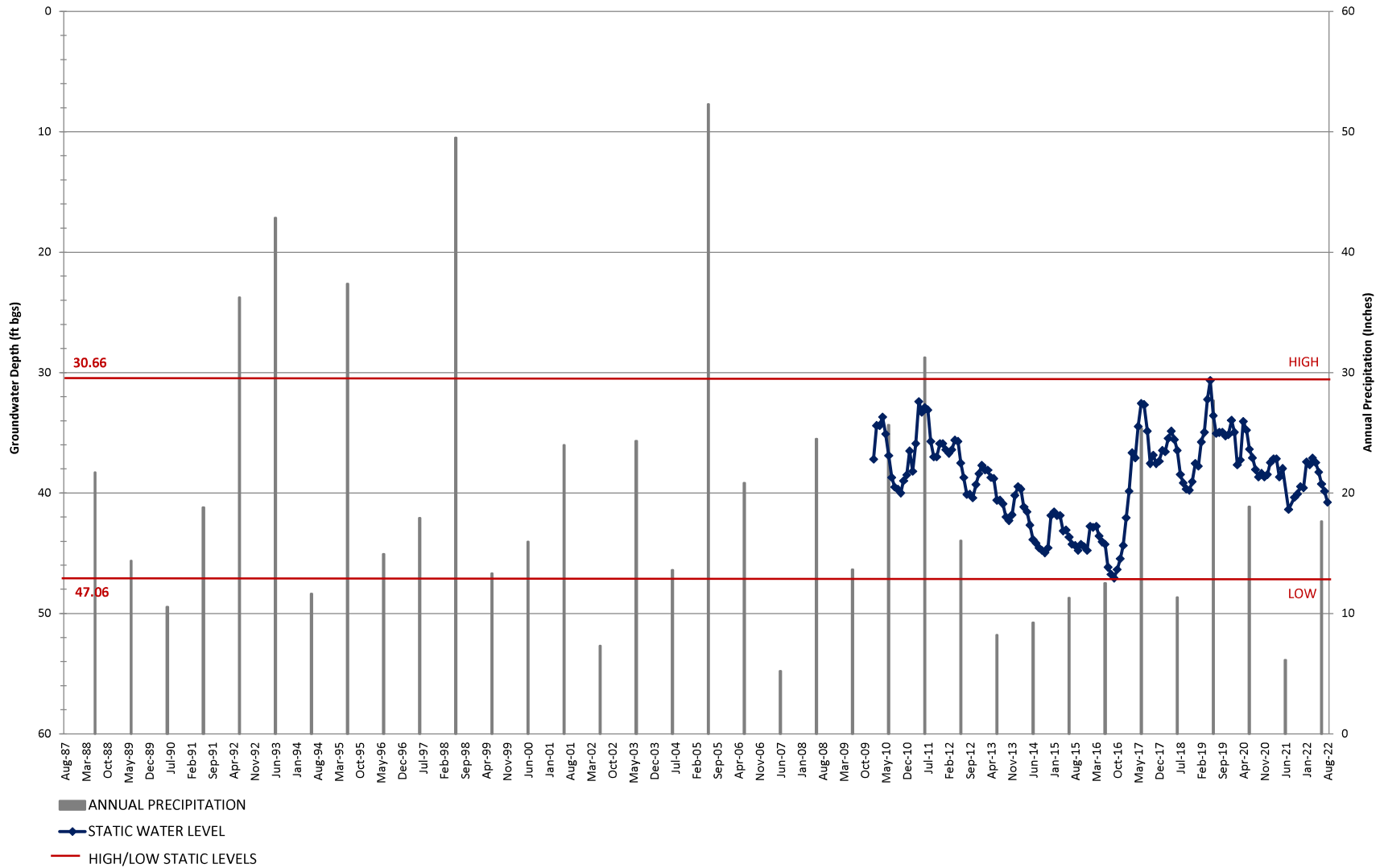
SCV WATER WELL D
 STATIC WATER LEVEL VS PRECIPITATION



SCV WATER WELL D
 STATIC WATER LEVEL

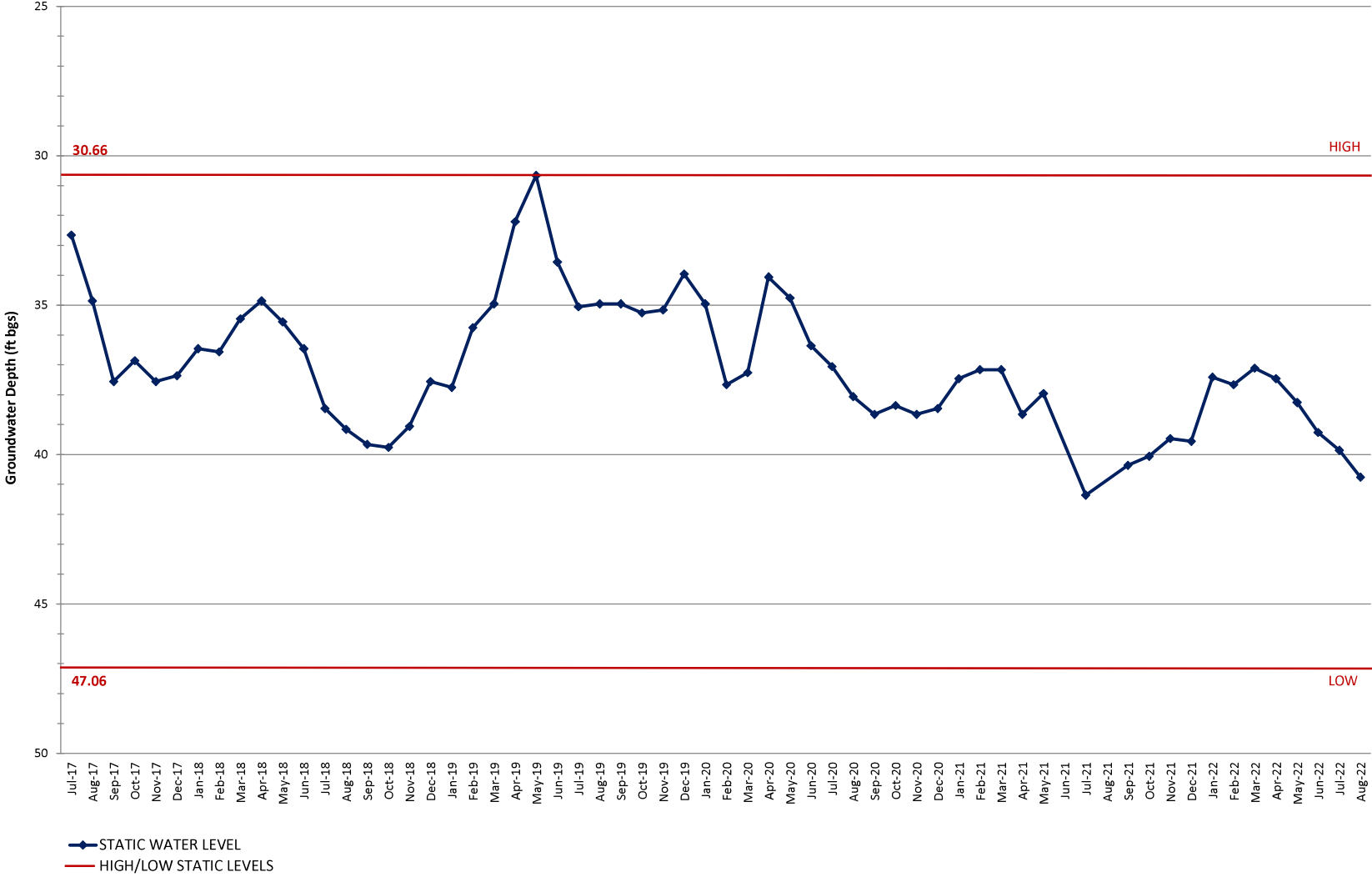


SCV WATER WELL E15
 STATIC WATER LEVEL VS. PRECIPITATION

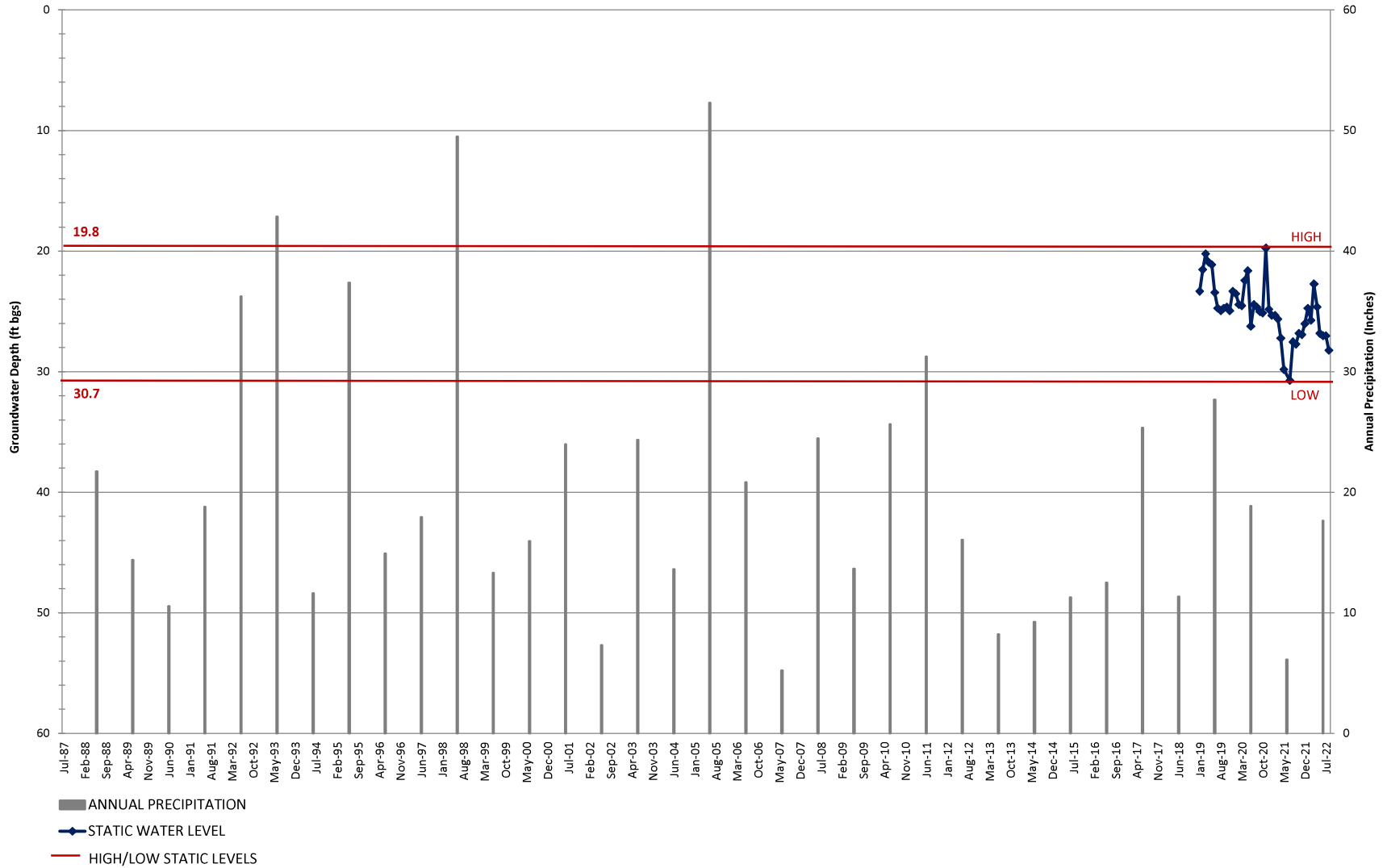


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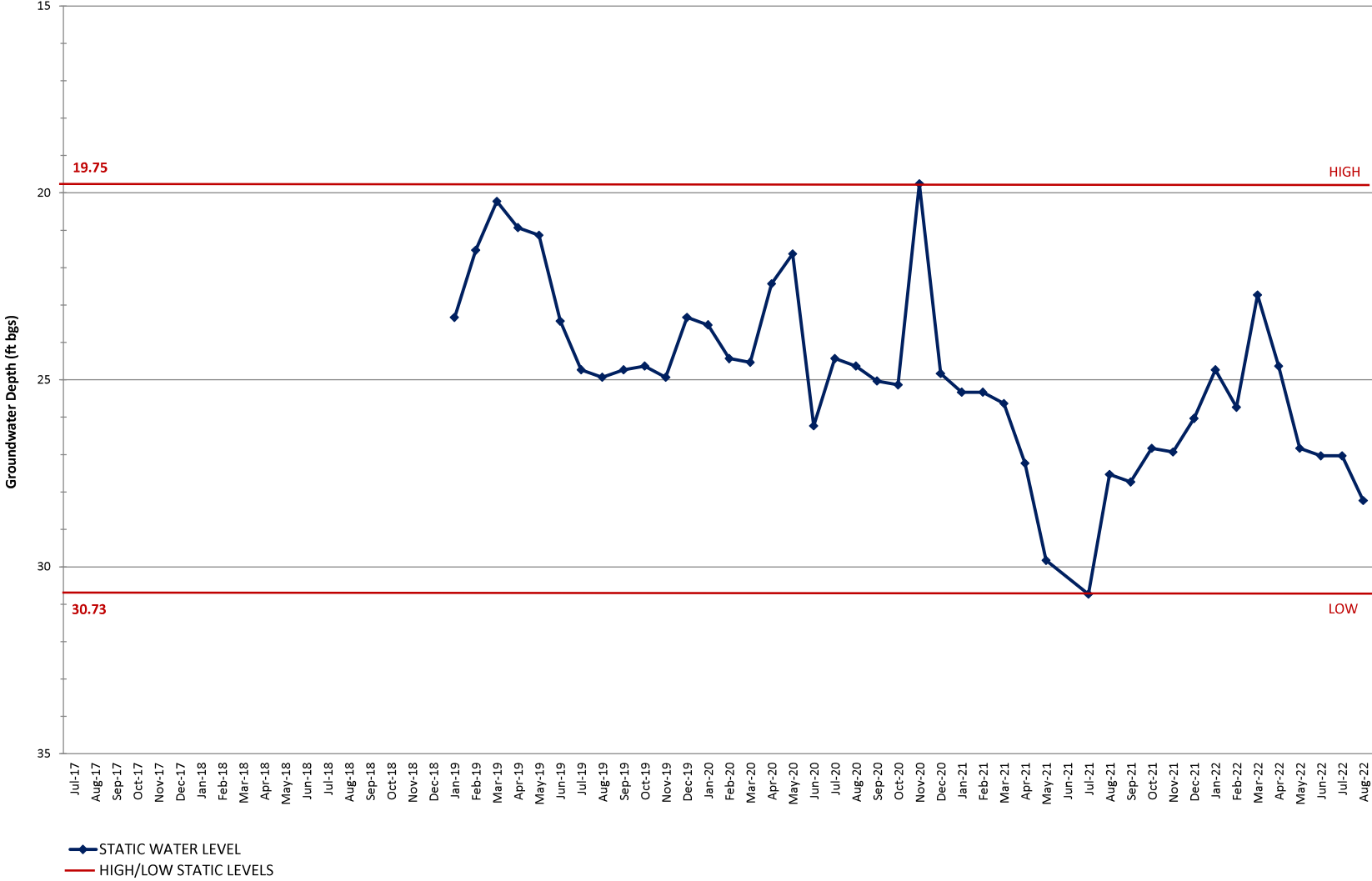
STATIC WATER LEVEL



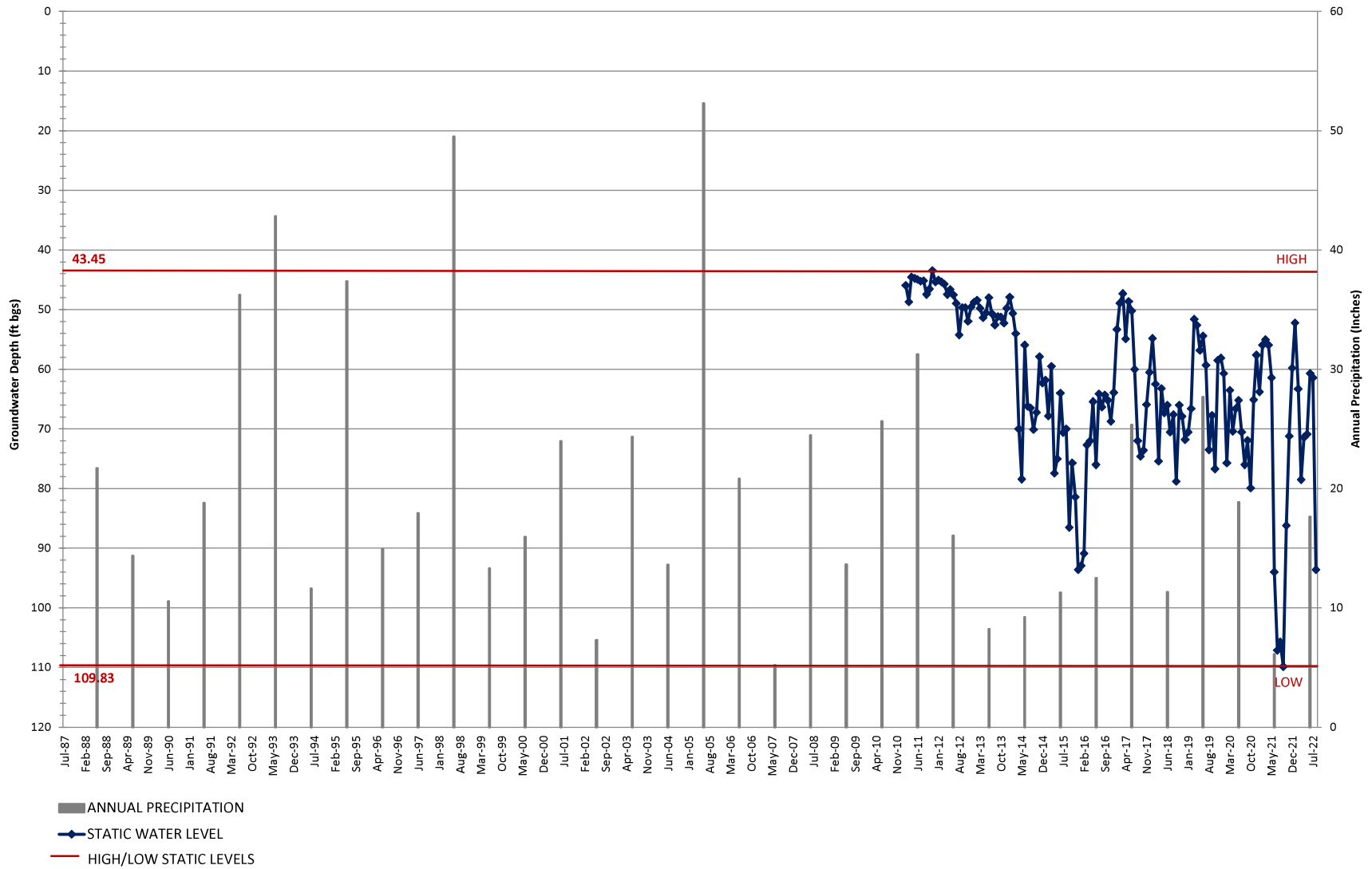
SCV WATER WELL E17
 STATIC WATER LEVEL VS. PRECIPITATION



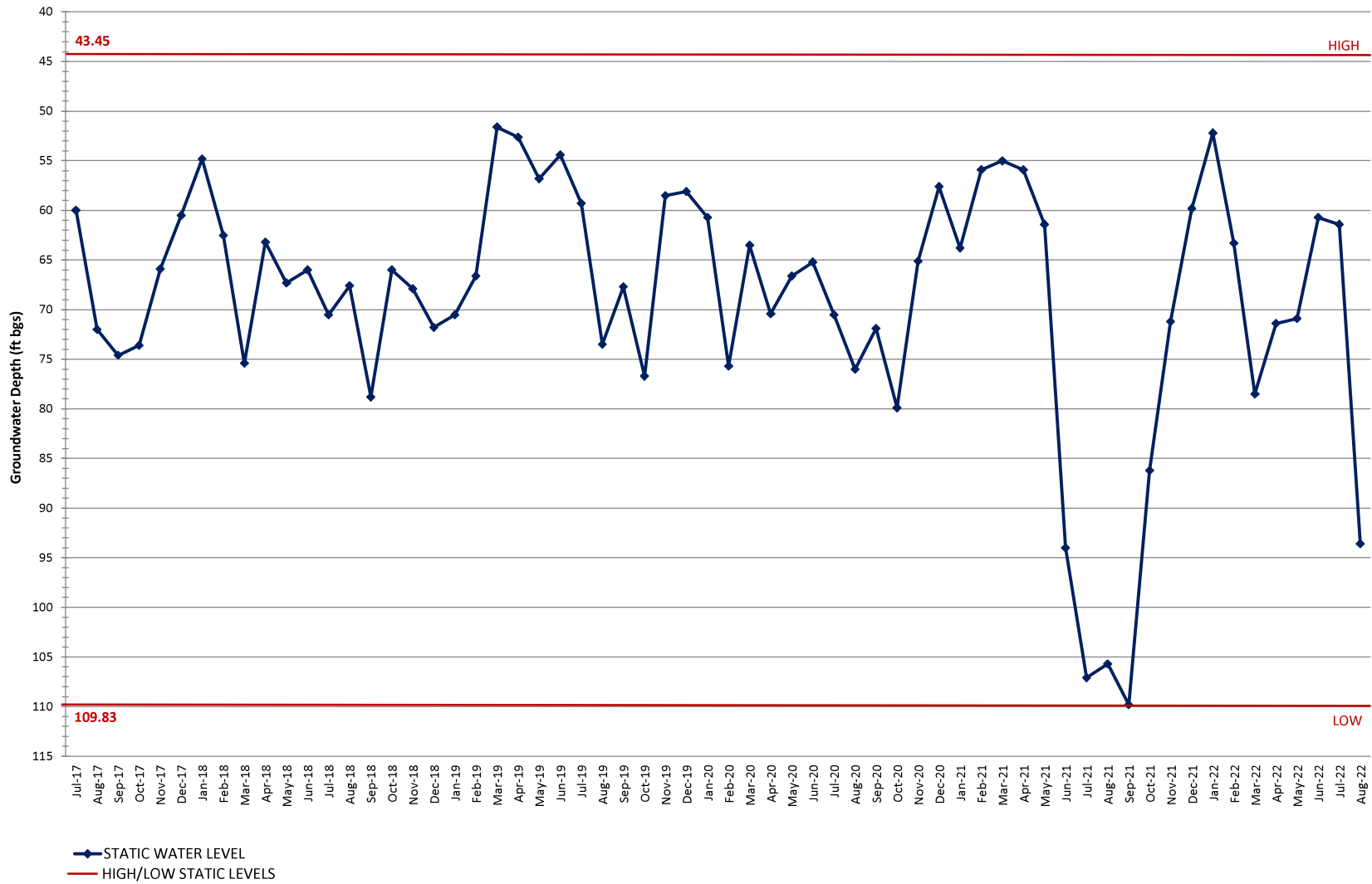
SCV WATER WELL E17
STATIC WATER LEVEL



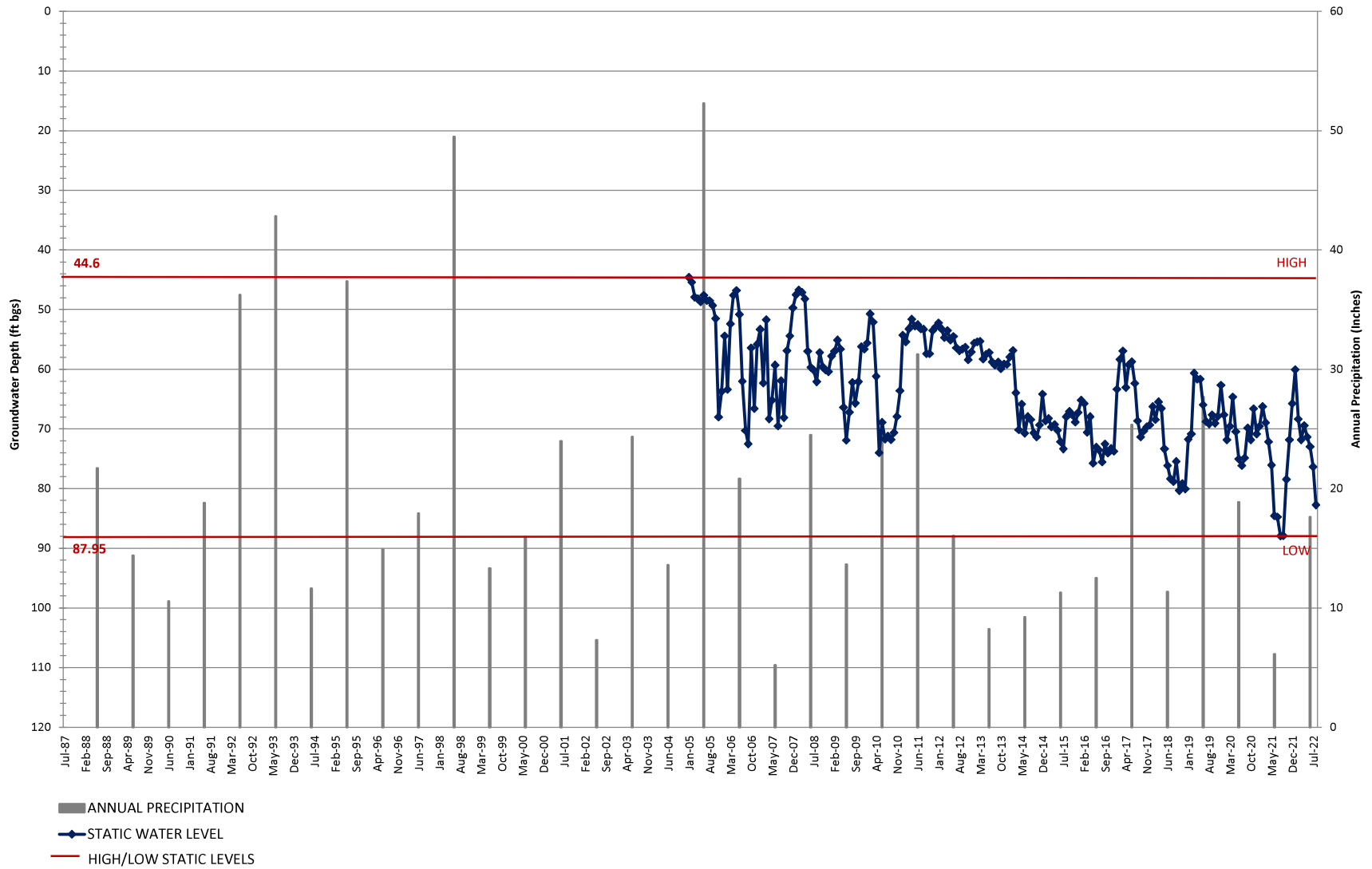
SCV WATER WELL 207
 STATIC WATER LEVEL VS PRECIPITATION



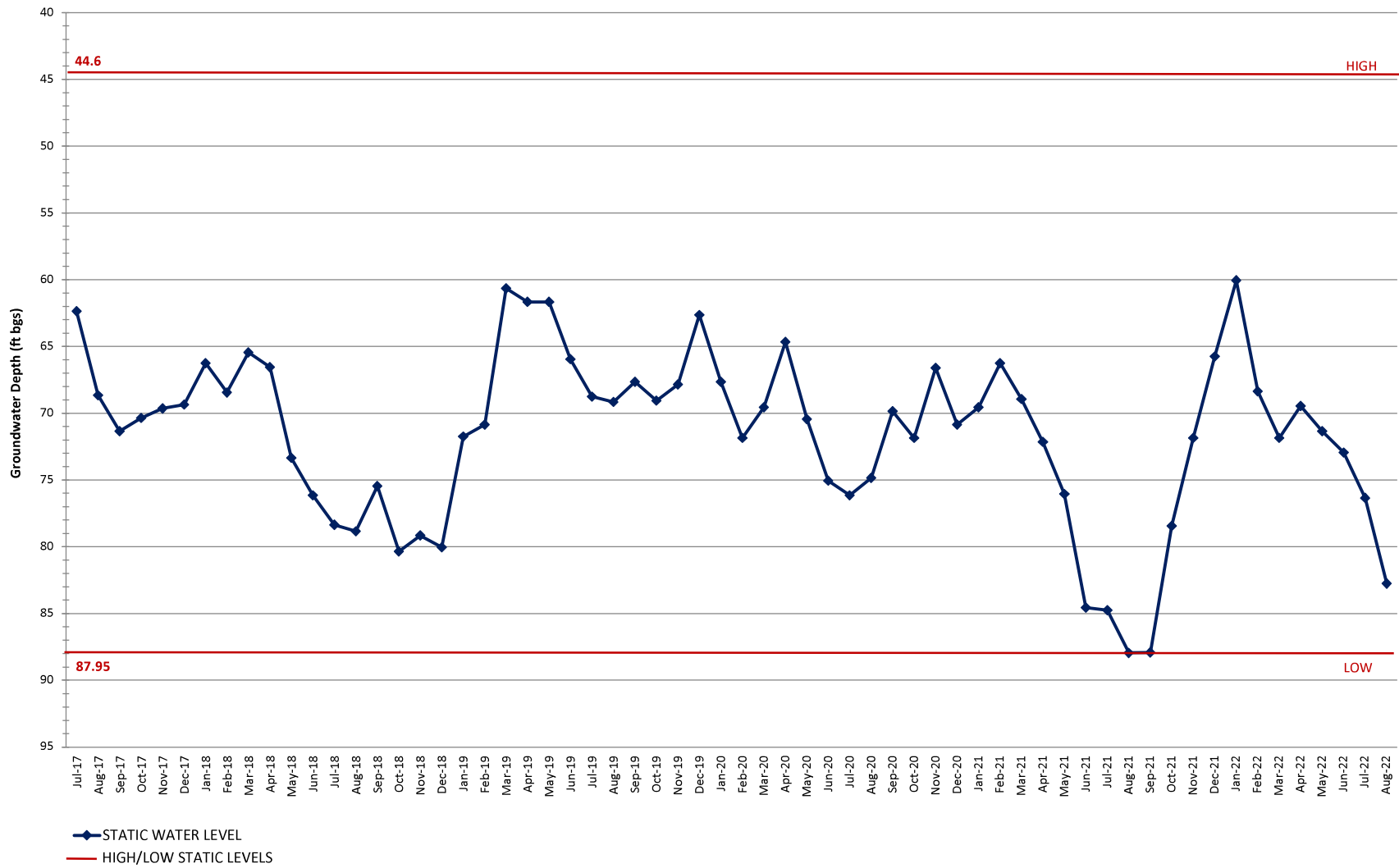
SCV WATER WELL 207
 STATIC WATER LEVEL



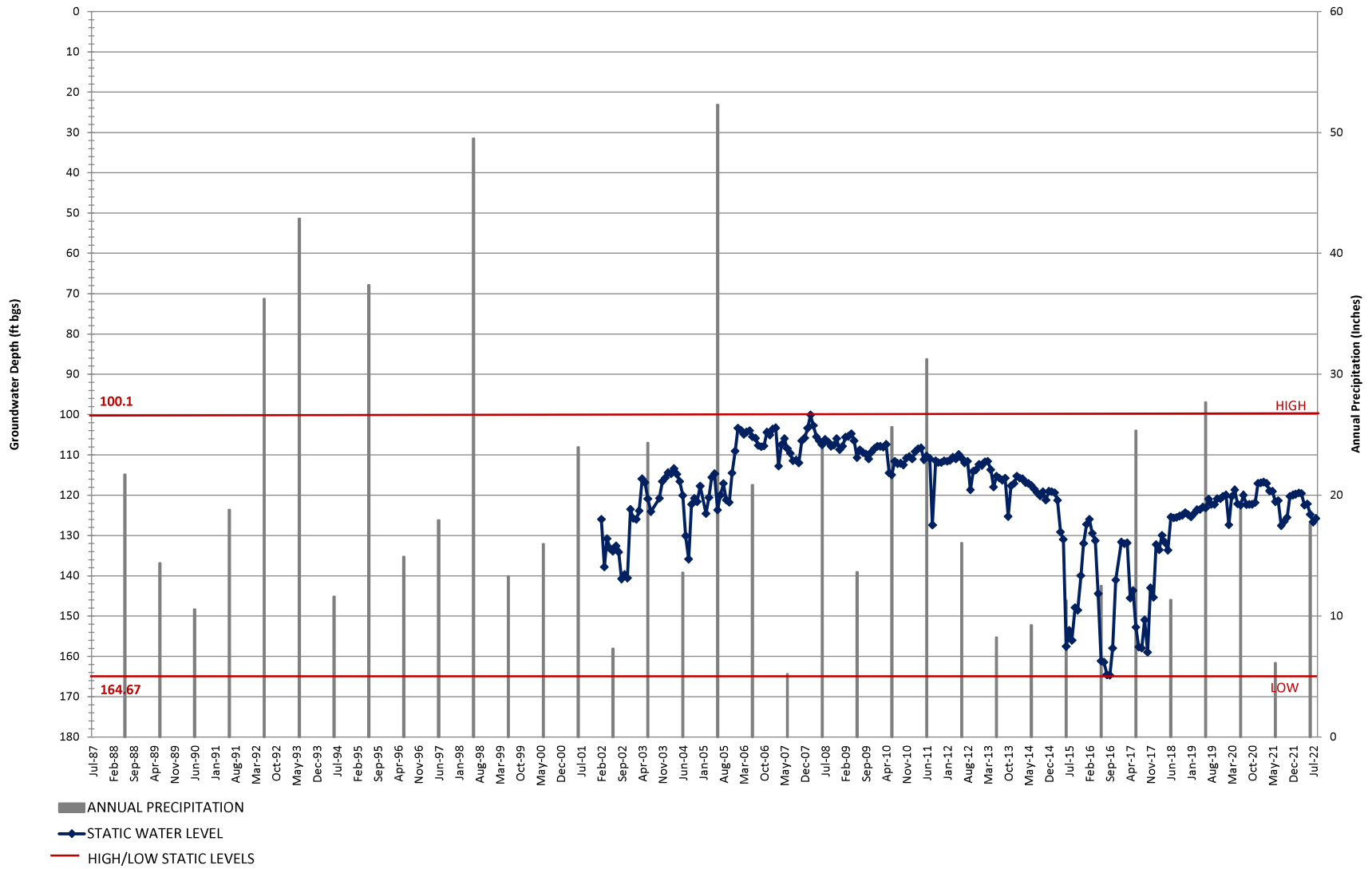
SCV WATER WELL 206
 STATIC WATER LEVEL VS PRECIPITATION



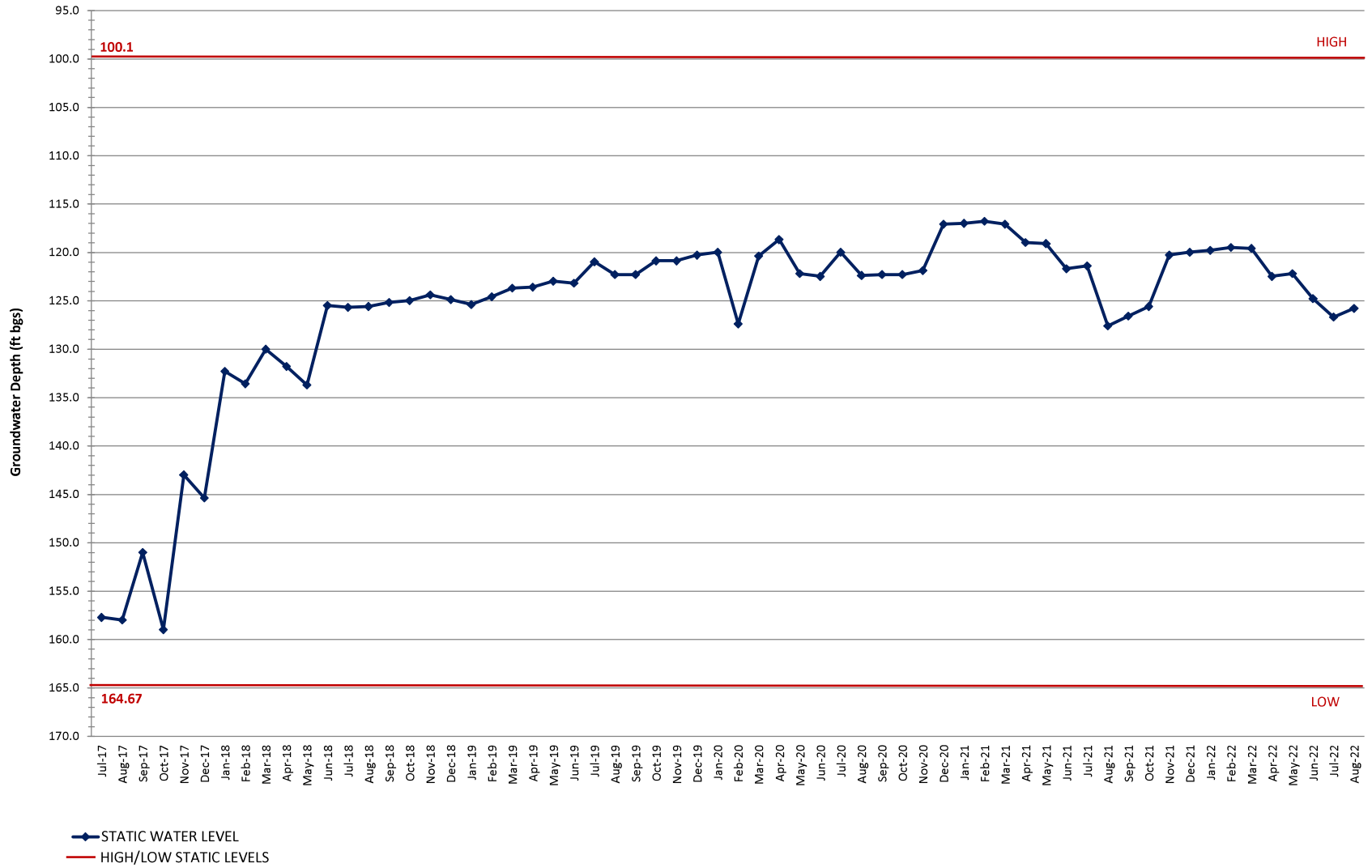
SCV WATER WELL 206
 STATIC WATER LEVEL



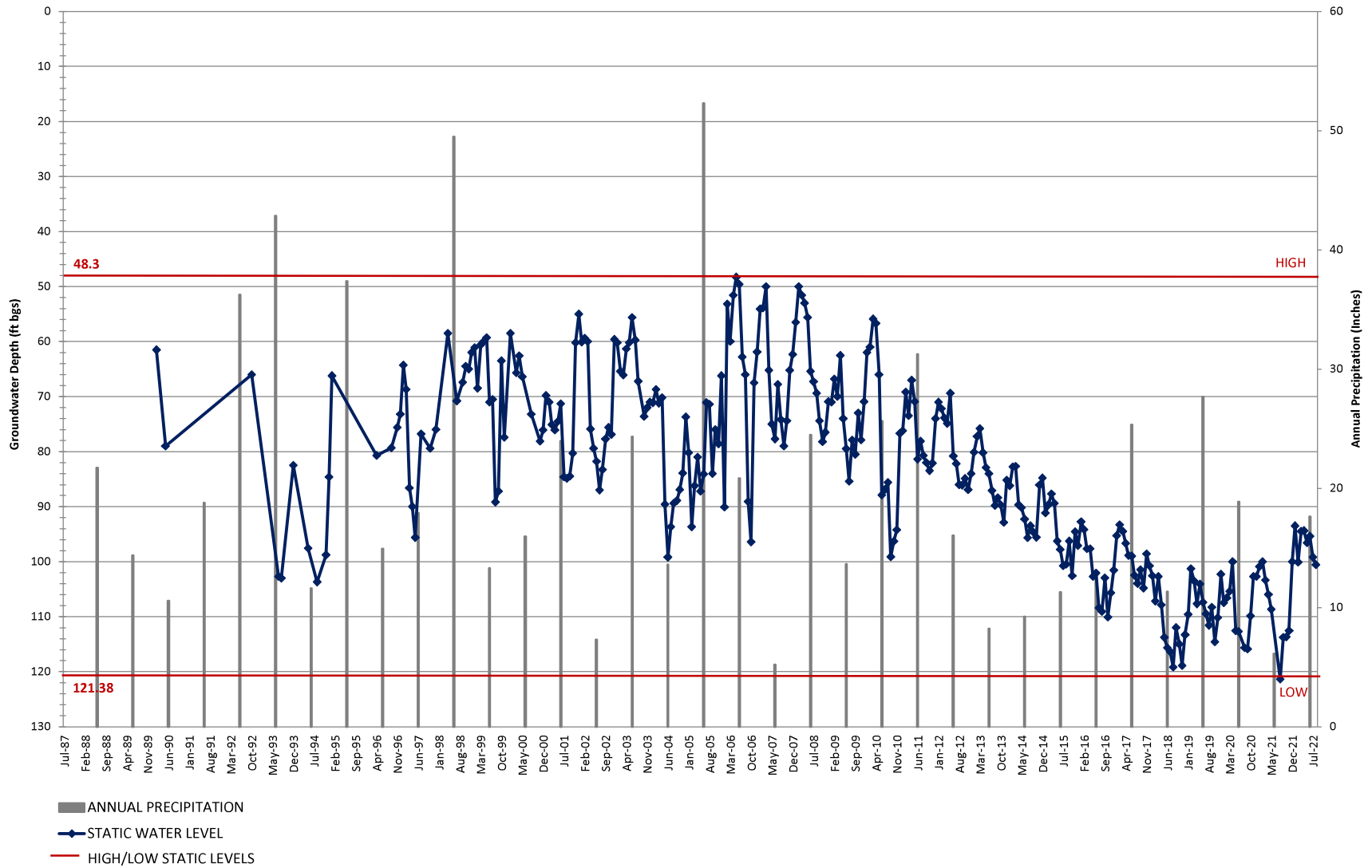
SCV WATER WELL 159
 STATIC WATER LEVEL VS PRECIPITATION



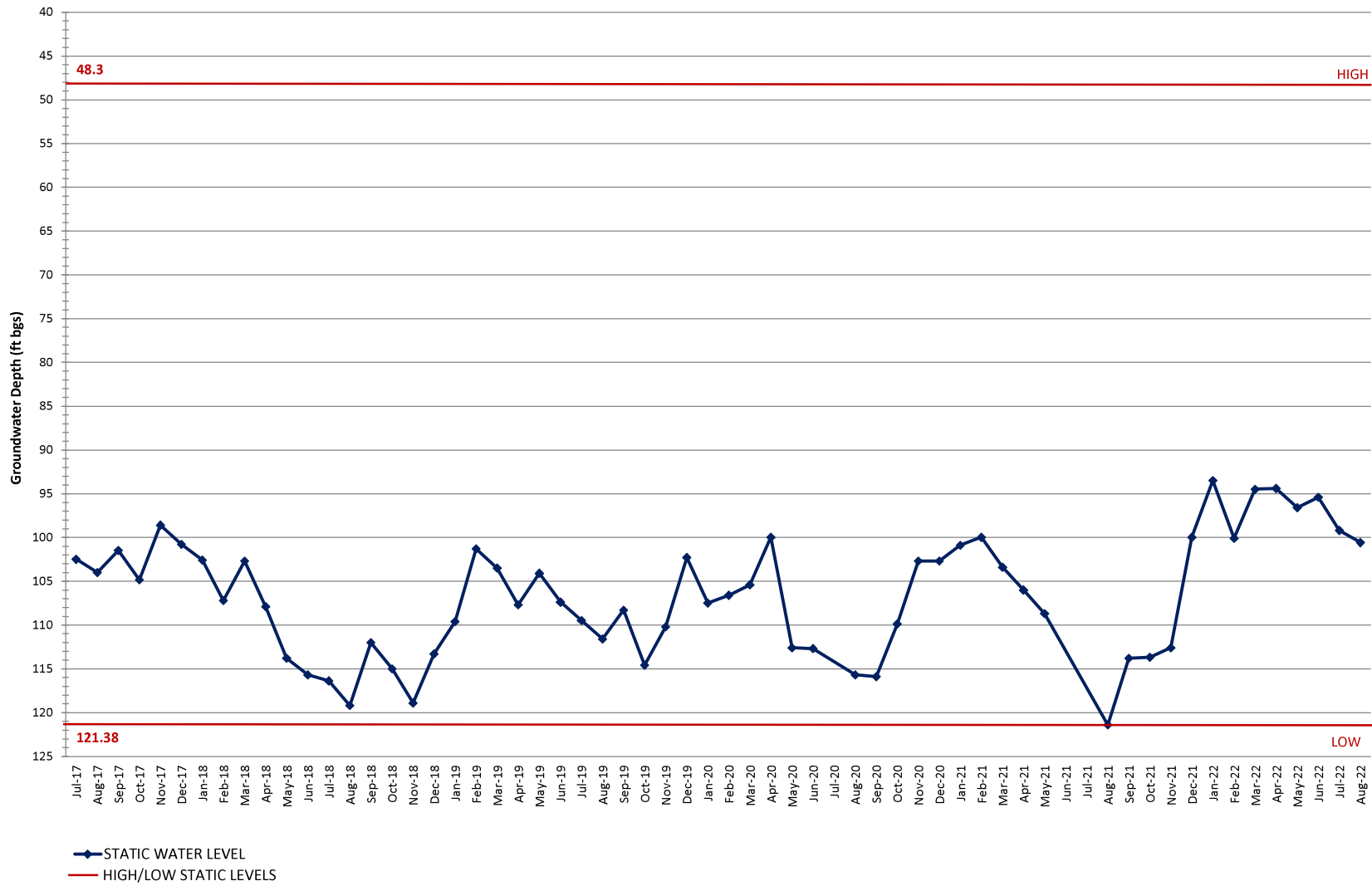
SCV WATER WELL 159
 STATIC WATER LEVEL



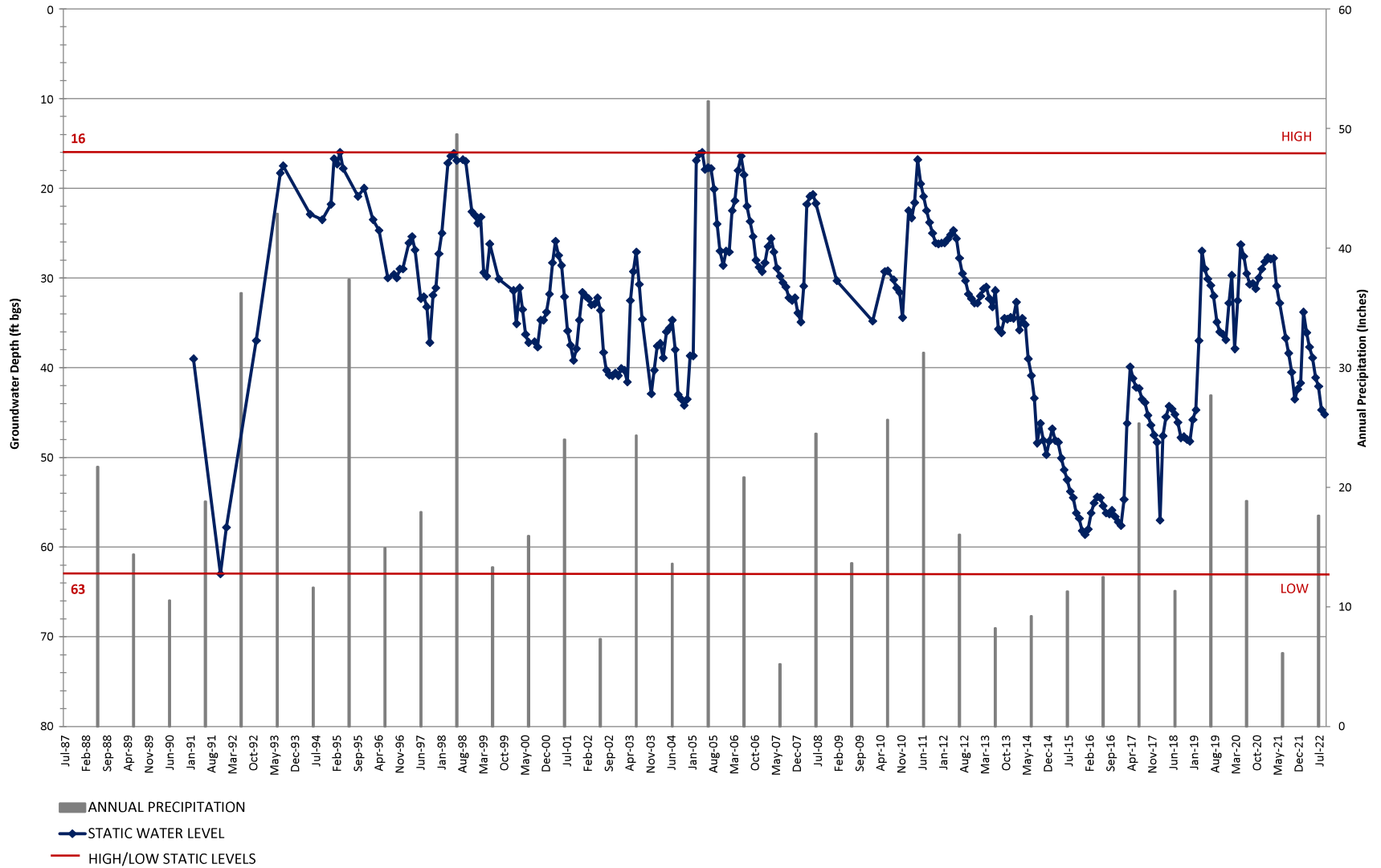
SCV WATER WELL 160
 STATIC WATER LEVEL VS PRECIPITATION



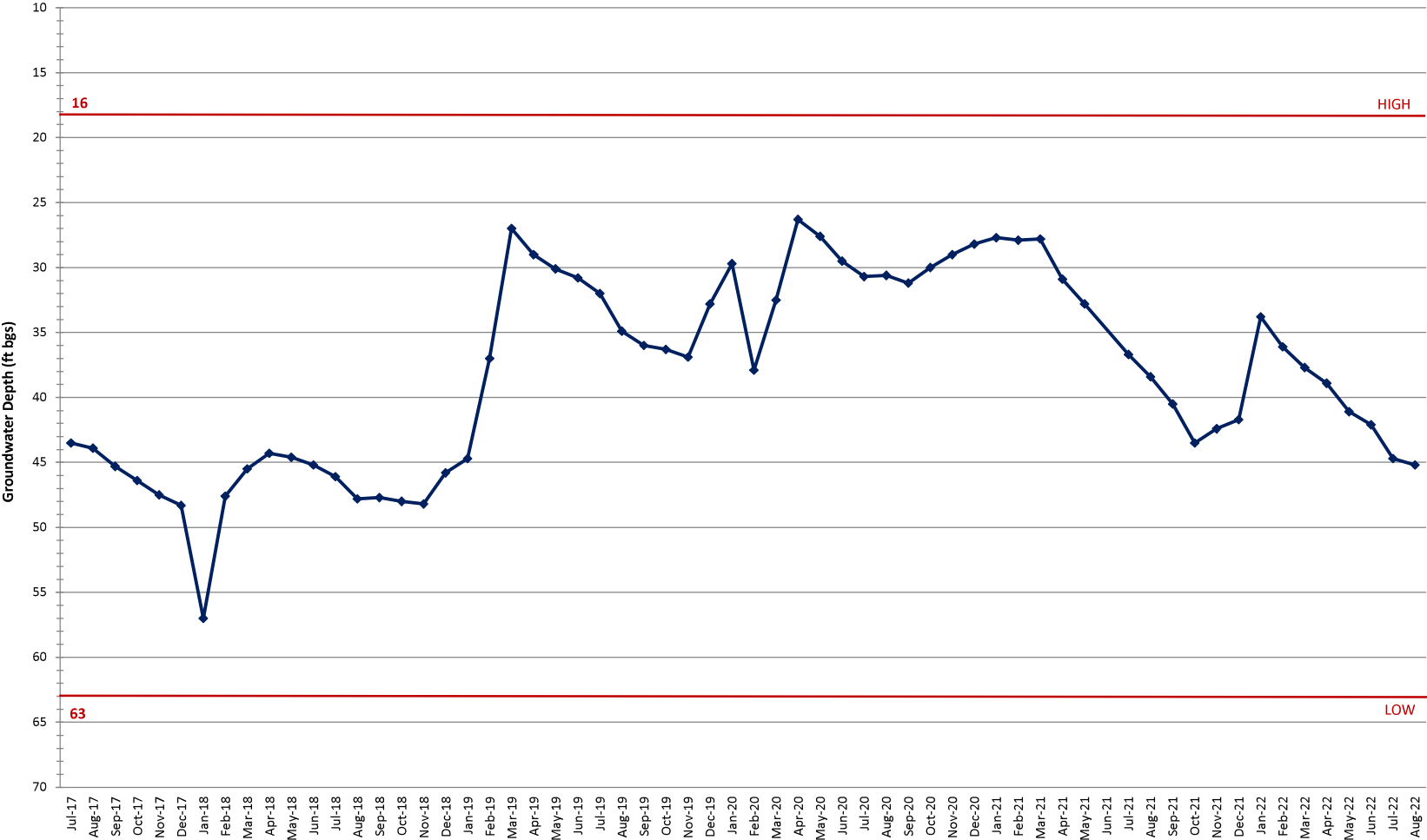
SCV WATER WELL 160
 STATIC WATER LEVEL



SCV WATER WELL W9
 STATIC WATER LEVEL VS PRECIPITATION

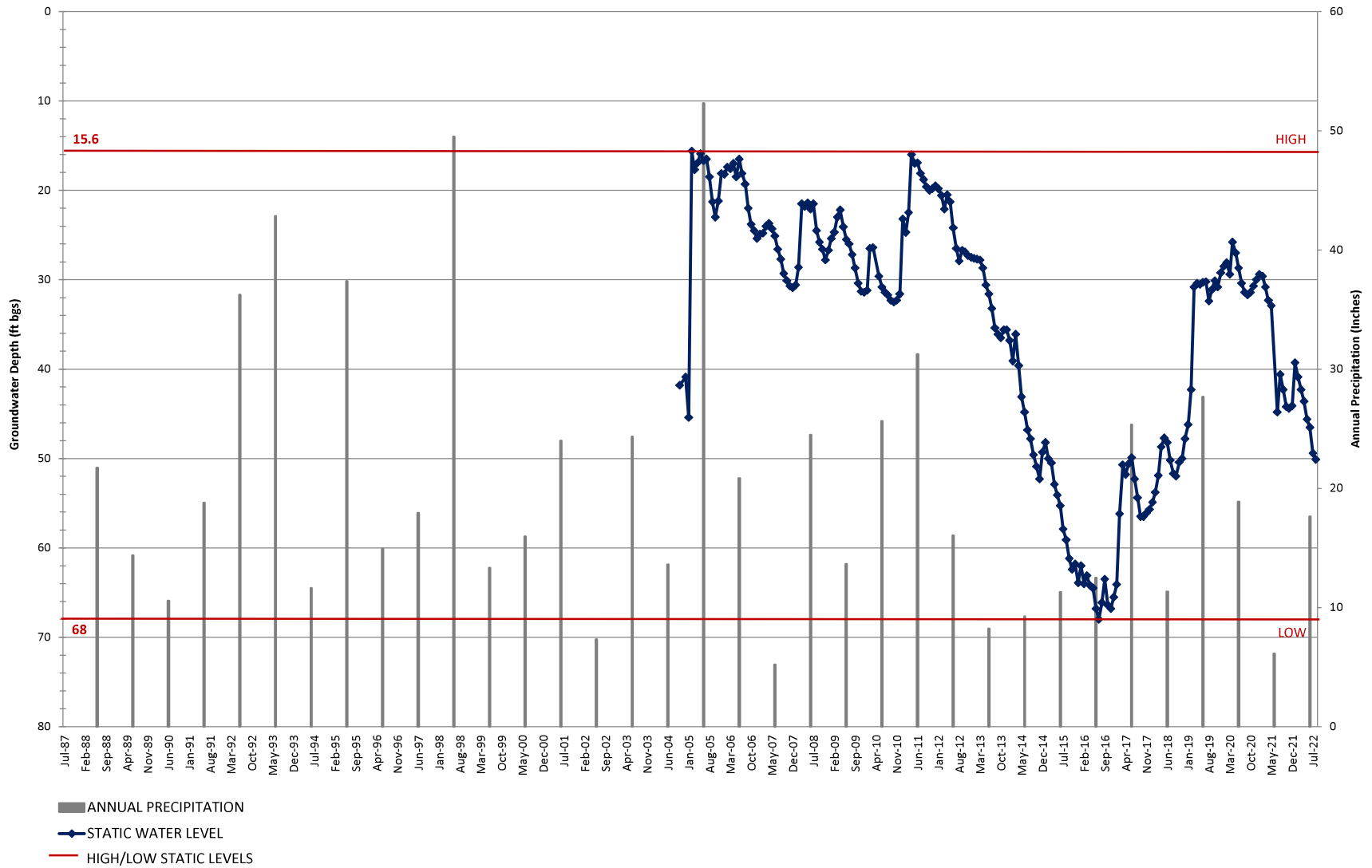


SCV WATER WELL W9
STATIC WATER LEVEL

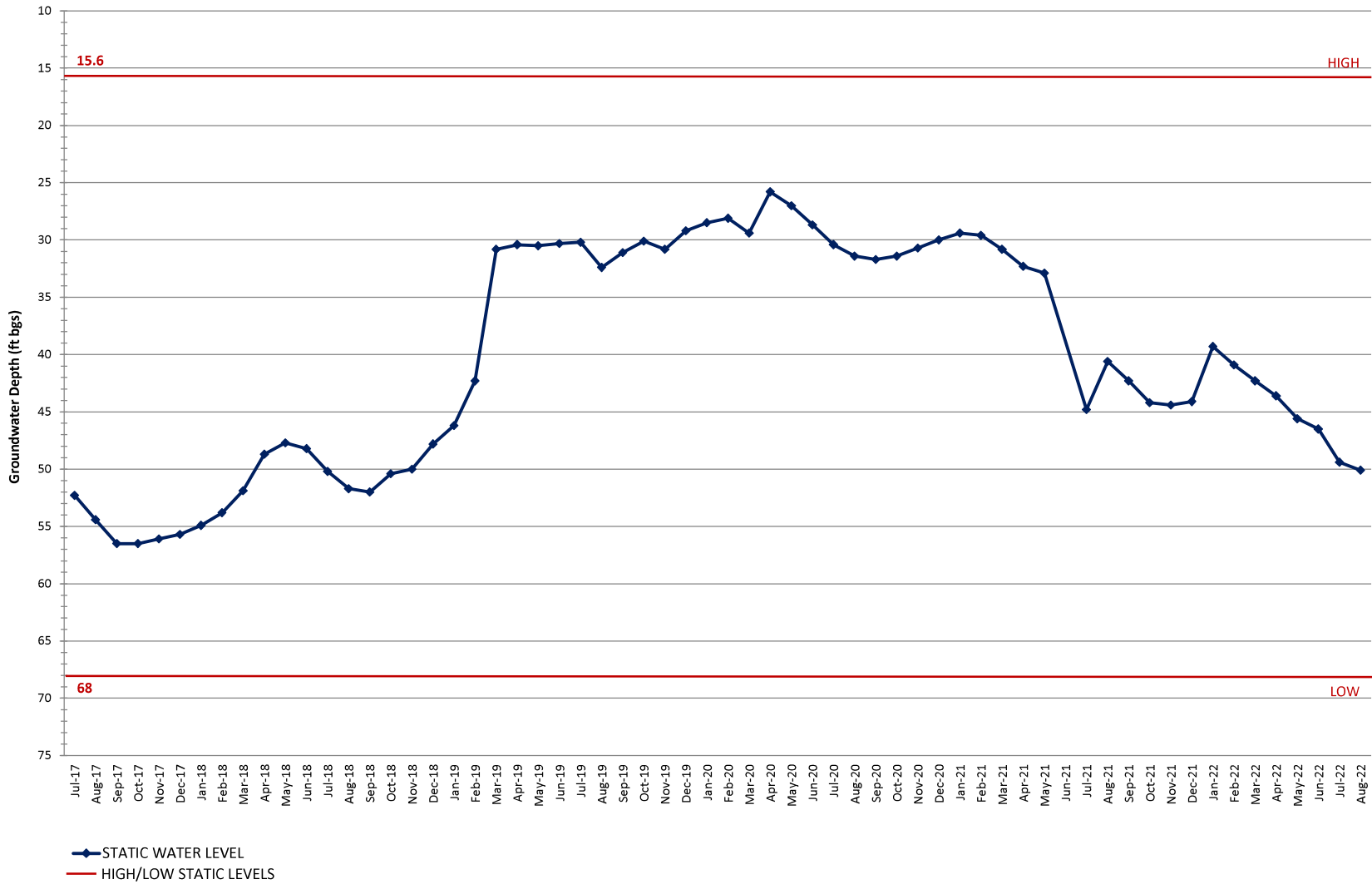


◆ STATIC WATER LEVEL
 — HIGH/LOW STATIC LEVELS

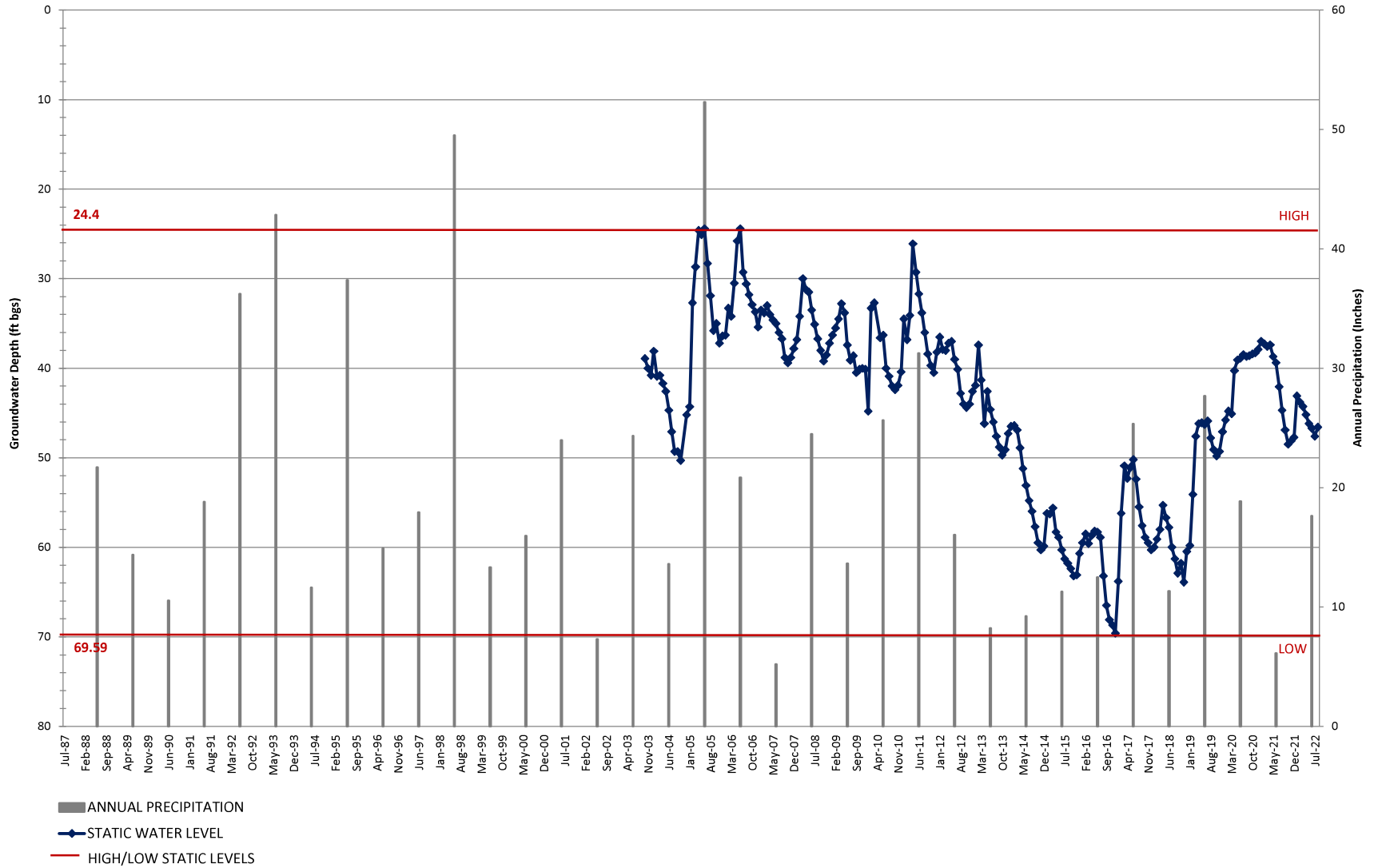
SCV WATER WELL W11
 STATIC WATER LEVEL VS PRECIPITATION



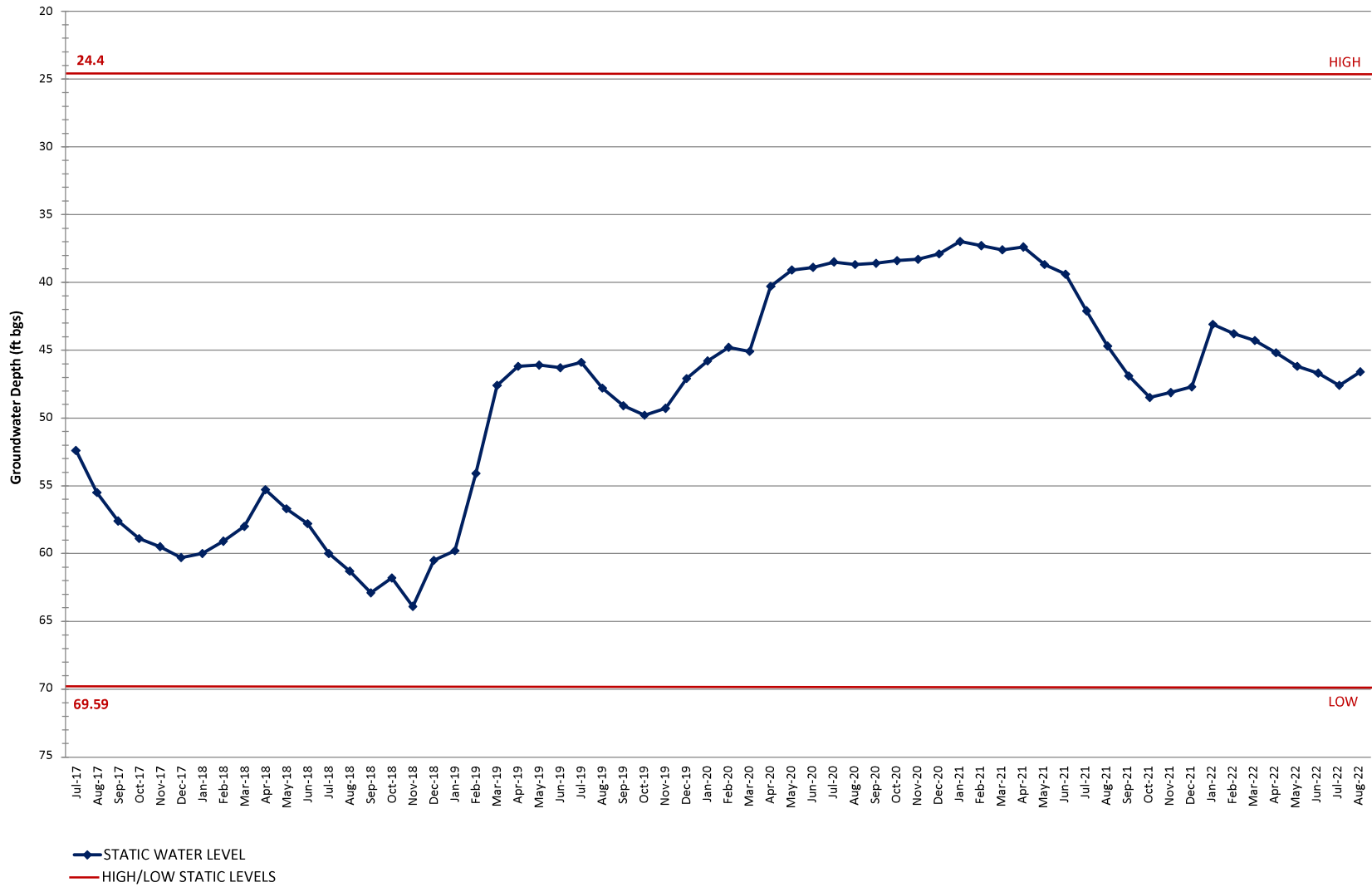
SCV WATER WELL W11
STATIC WATER LEVEL



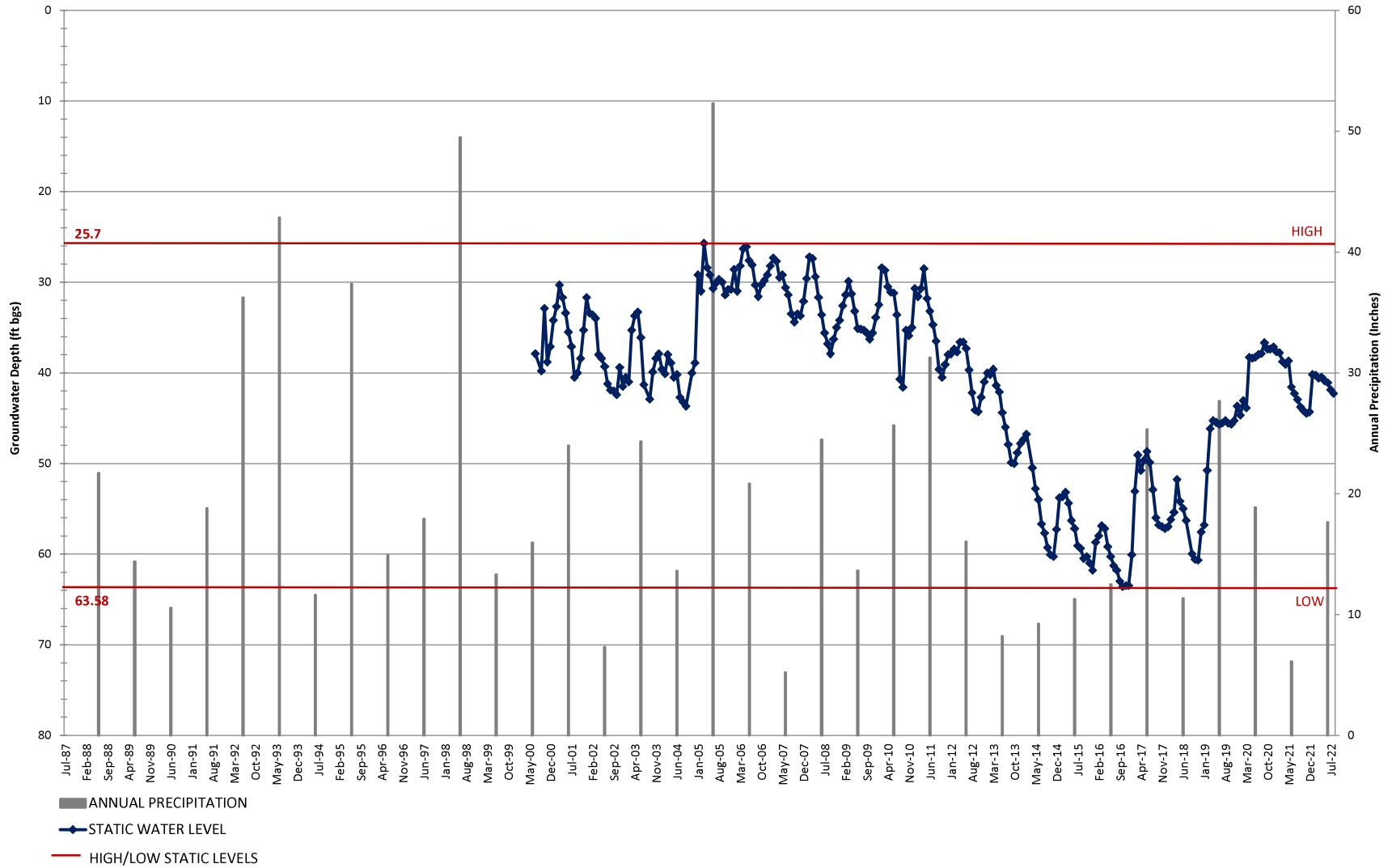
SCV WATER WELL W10
 STATIC WATER LEVEL VS PRECIPITATION



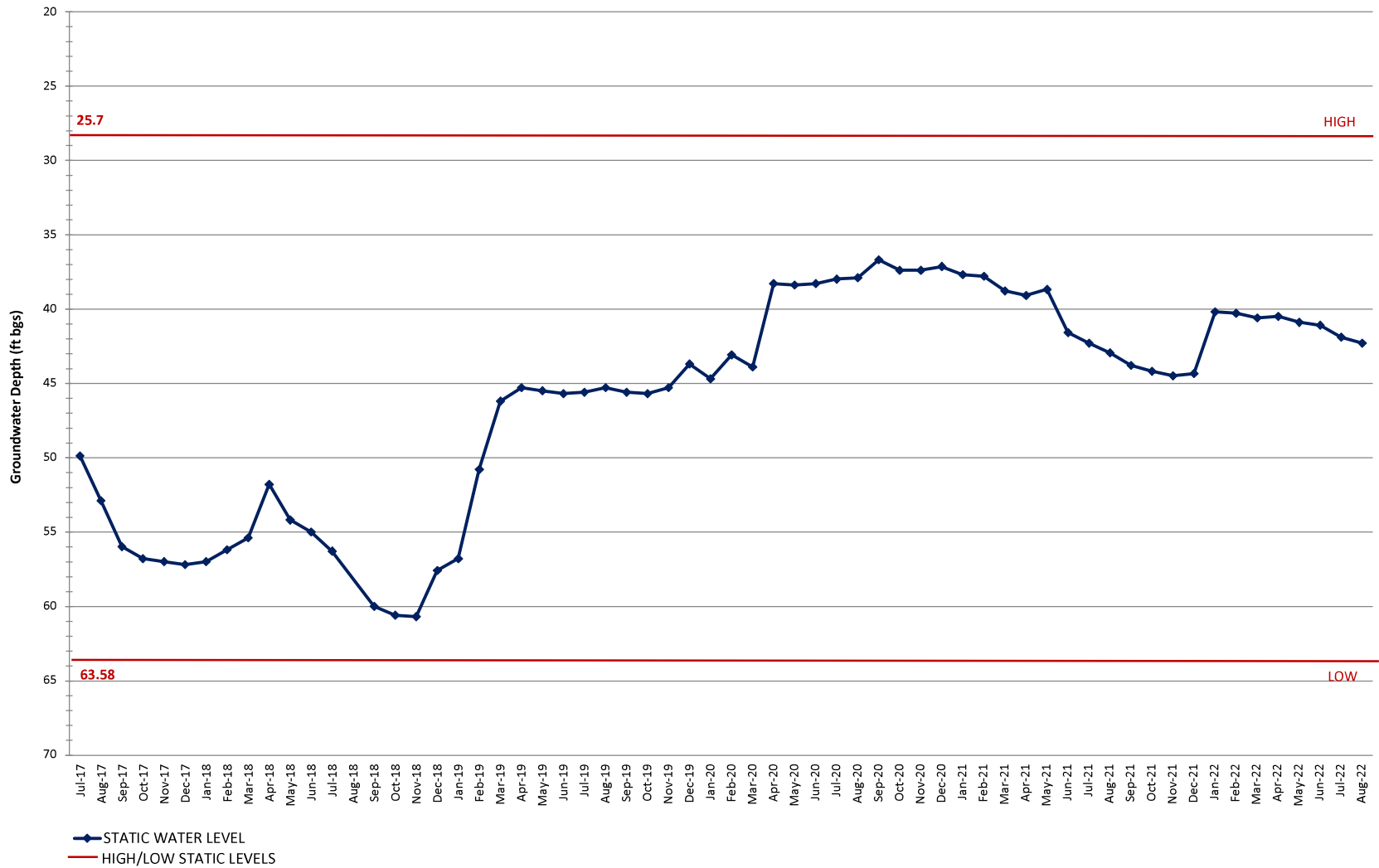
SCV WATER WELL W10
 STATIC WATER LEVEL



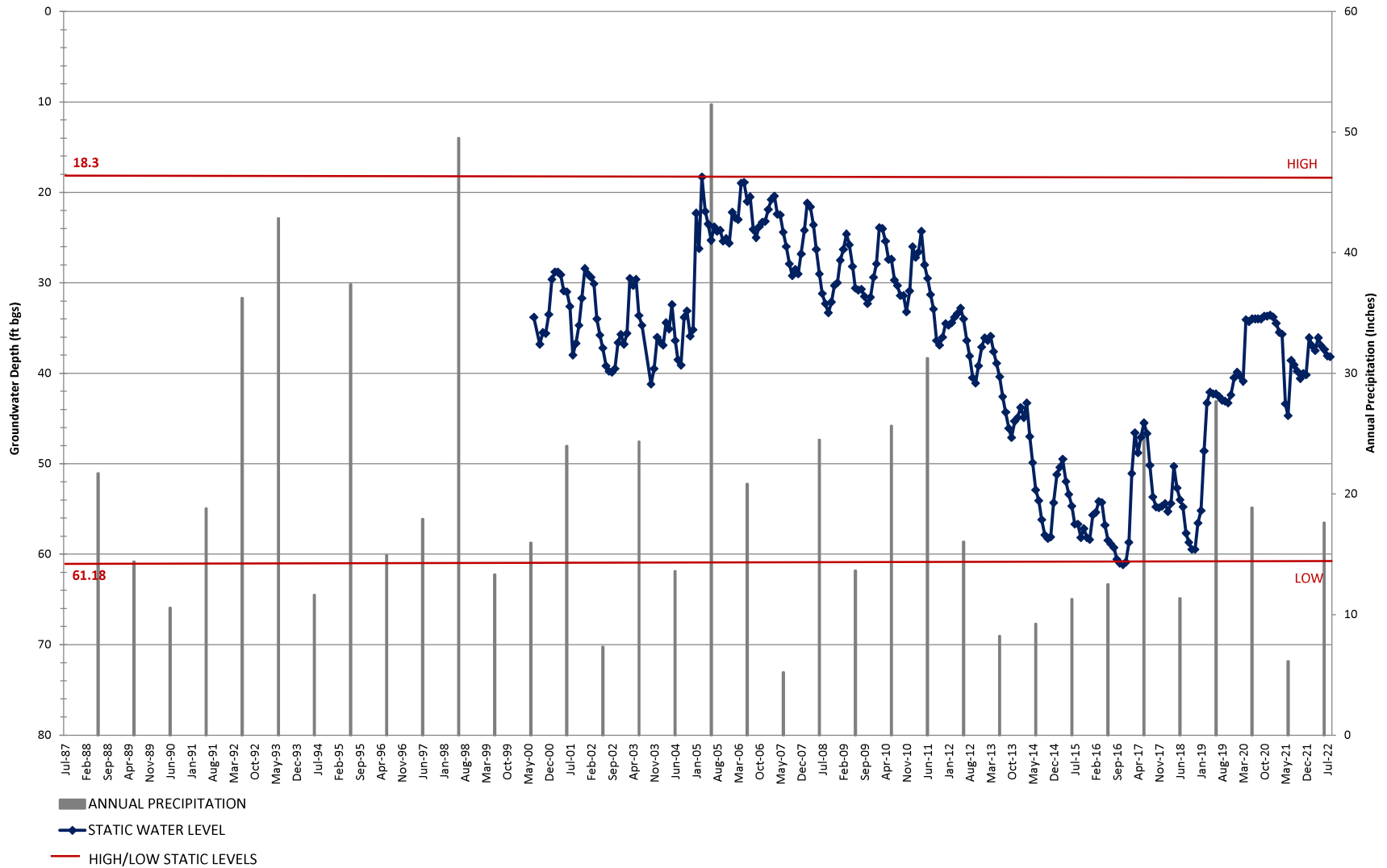
SCV WATER WELL S6
 STATIC WATER LEVEL VS PRECIPITATION



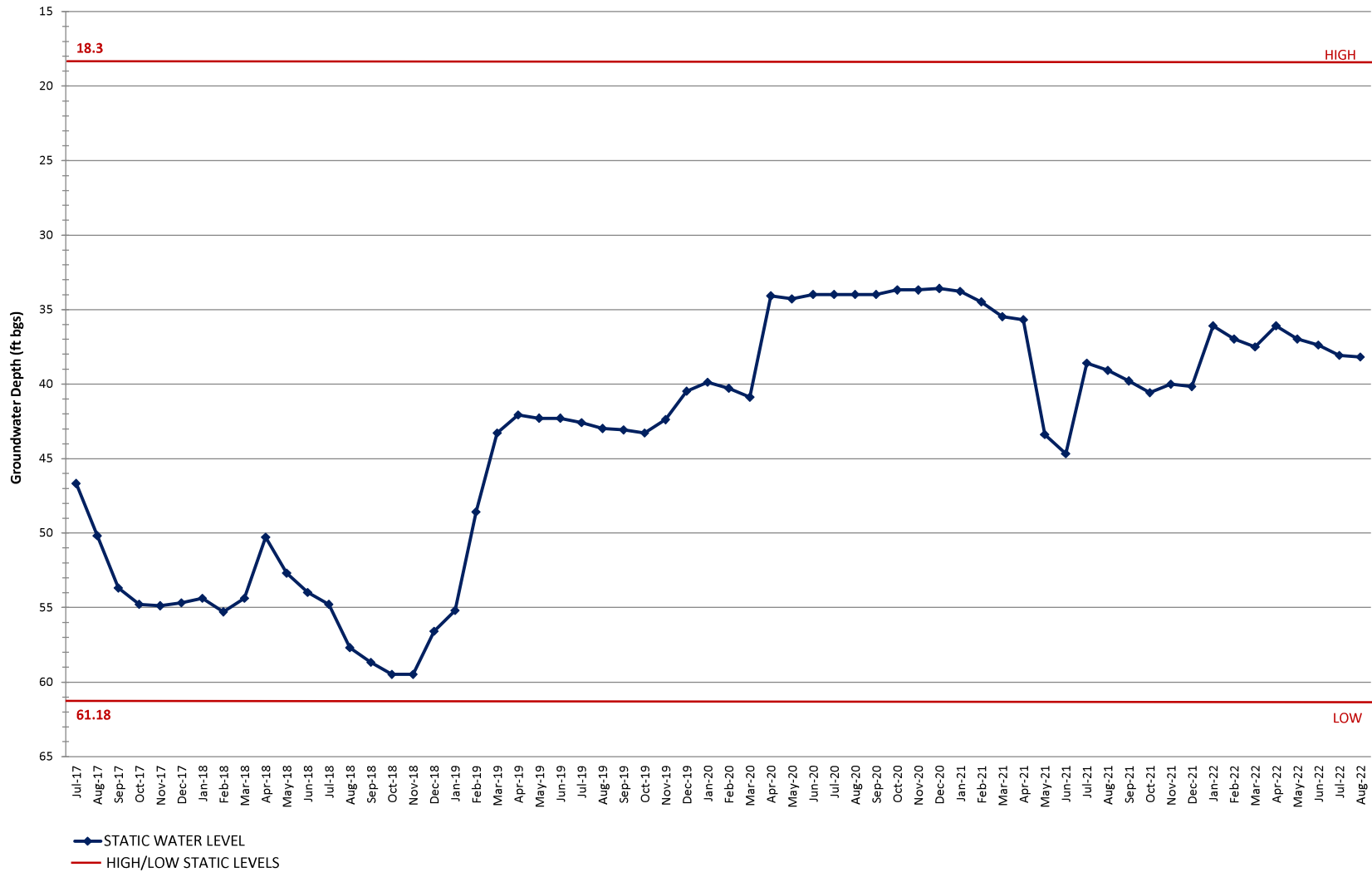
SCV WATER WELL S6
STATIC WATER LEVEL



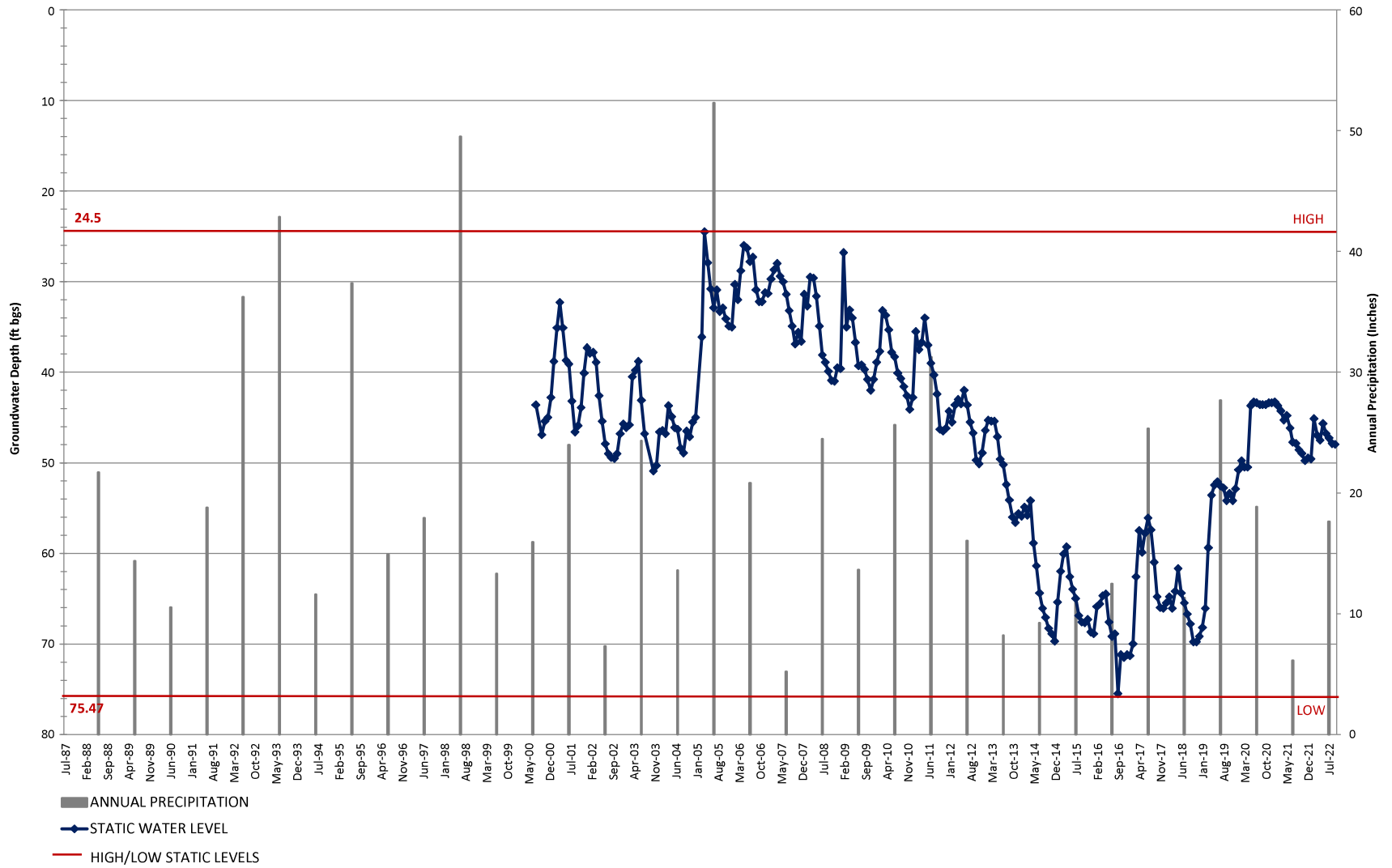
SCV WATER WELL S7
 STATIC WATER LEVEL VS PRECIPITATION



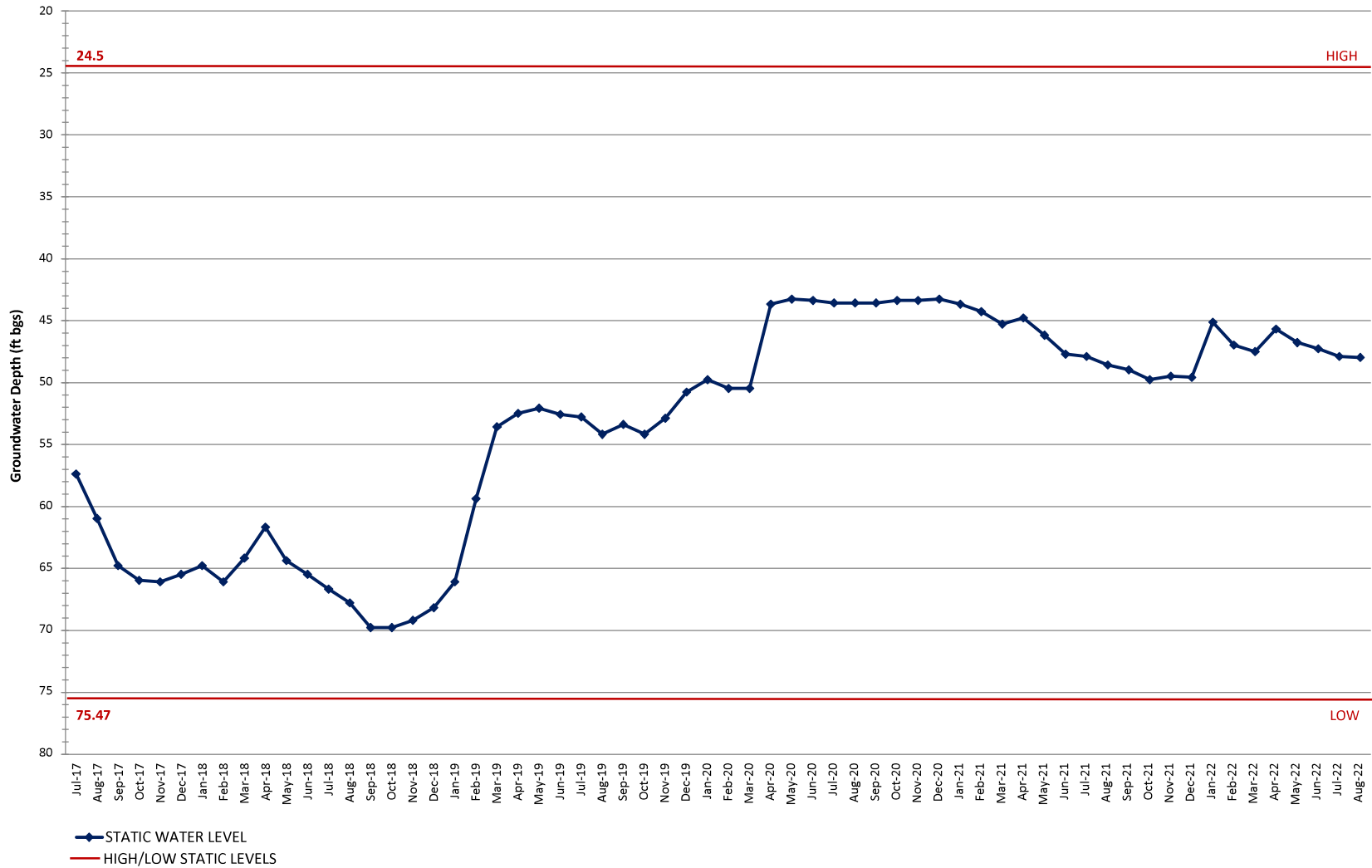
SCV WATER WELL S7
STATIC WATER LEVEL



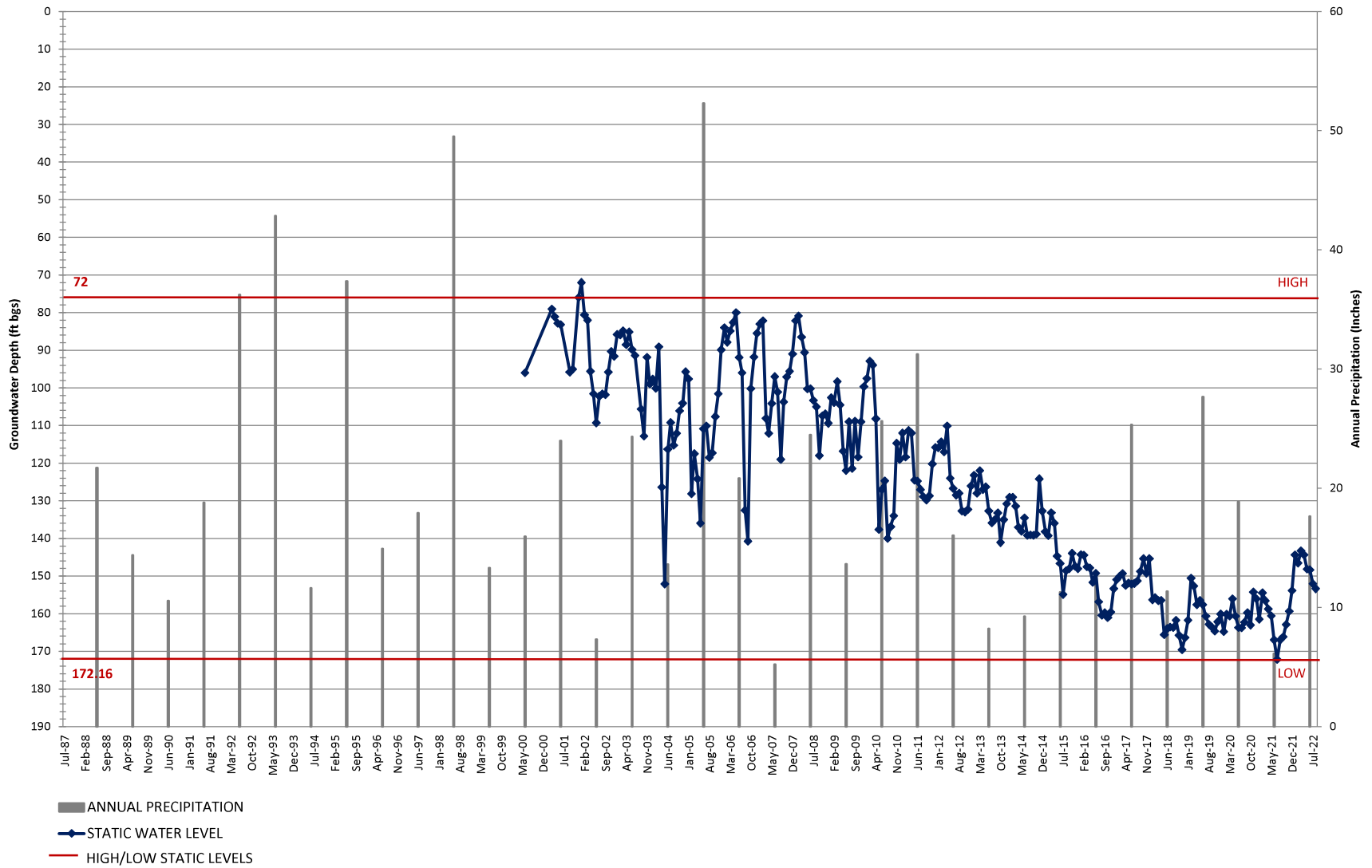
SCV WATER WELL S8
 STATIC WATER LEVEL VS PRECIPITATION



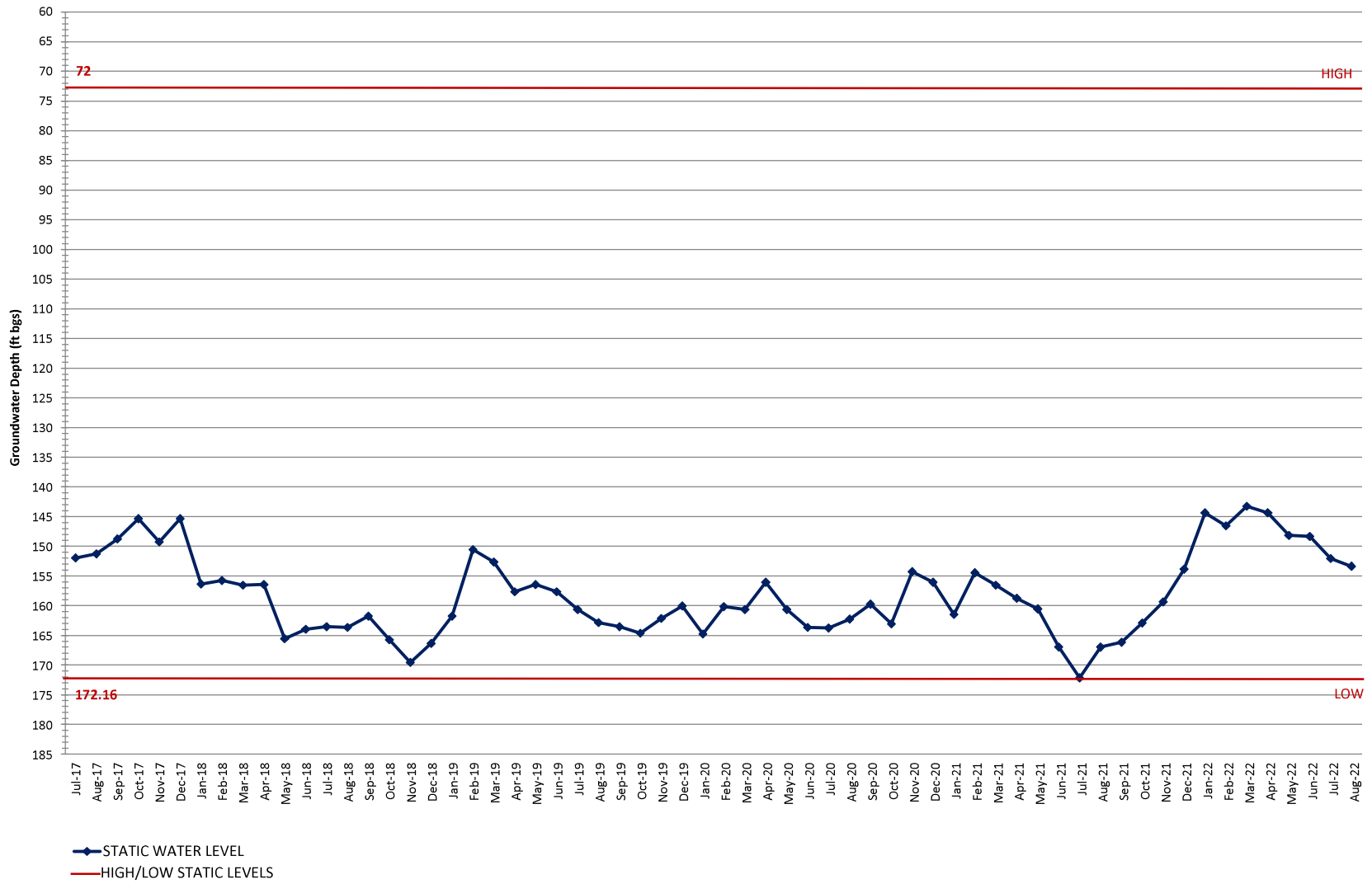
SCV WATER WELL S8
 STATIC WATER LEVEL



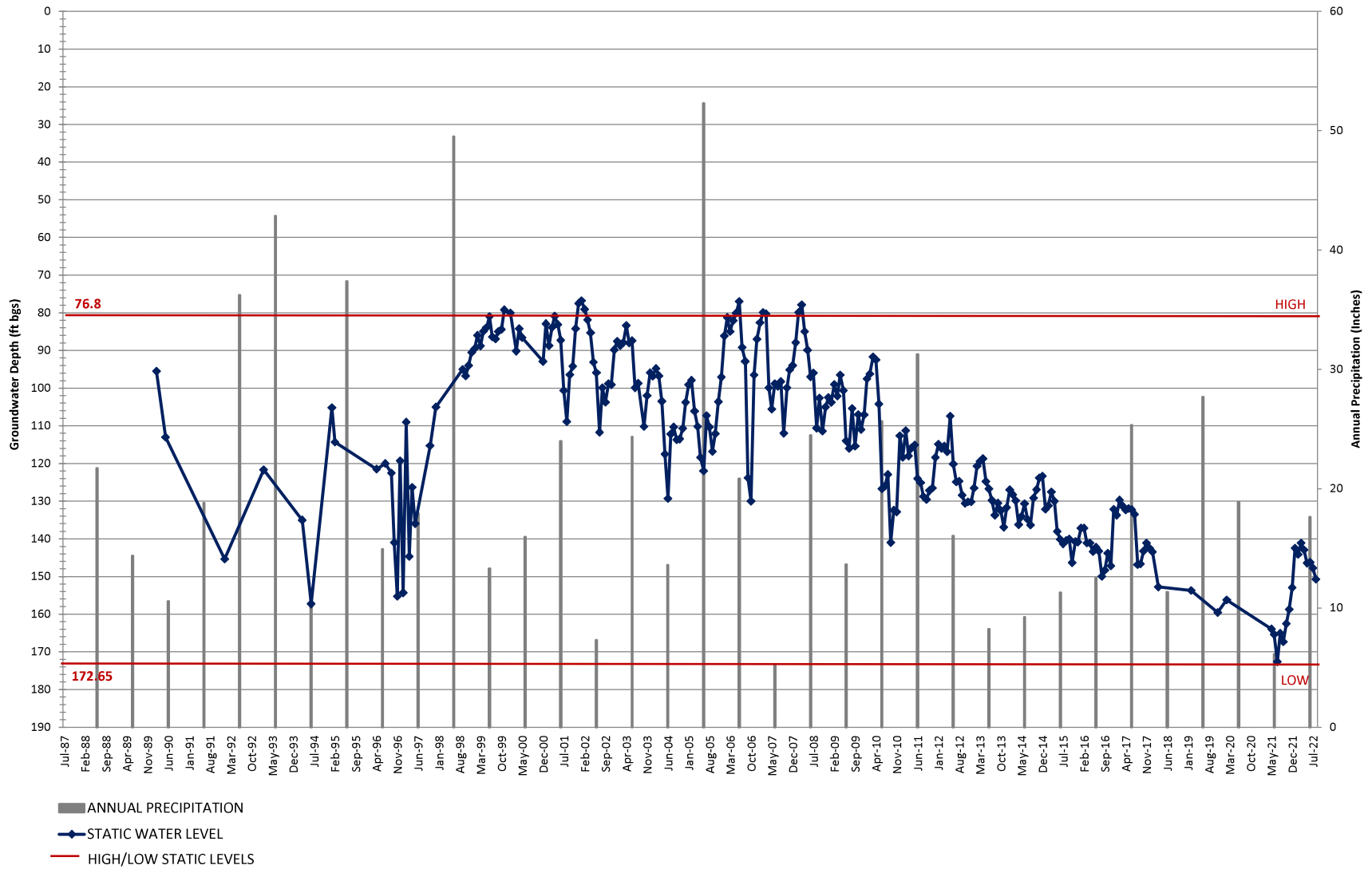
SCV WATER WELL 205
 STATIC WATER LEVEL VS PRECIPITATION



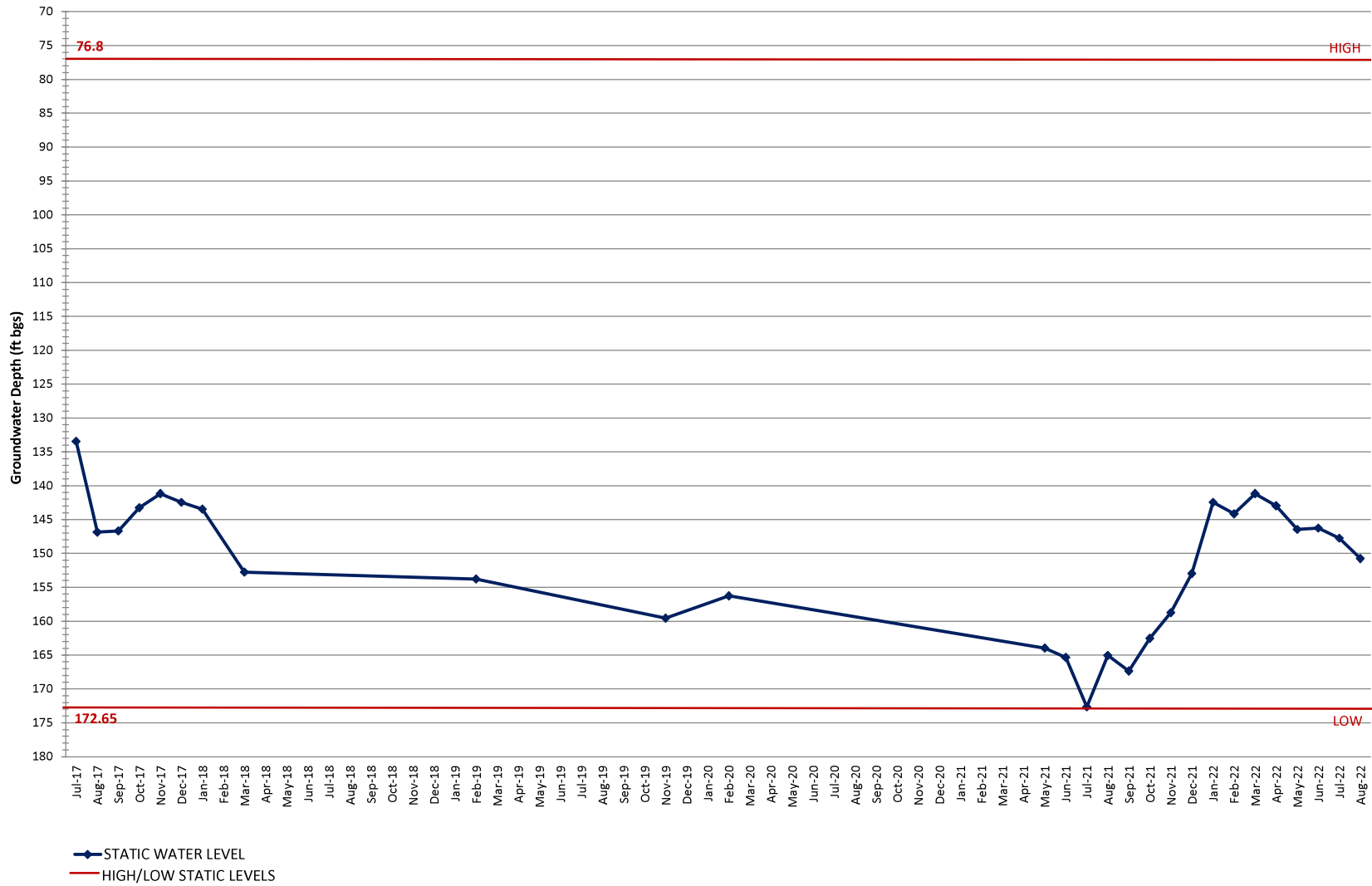
SCV WATER WELL 205
 STATIC WATER LEVEL



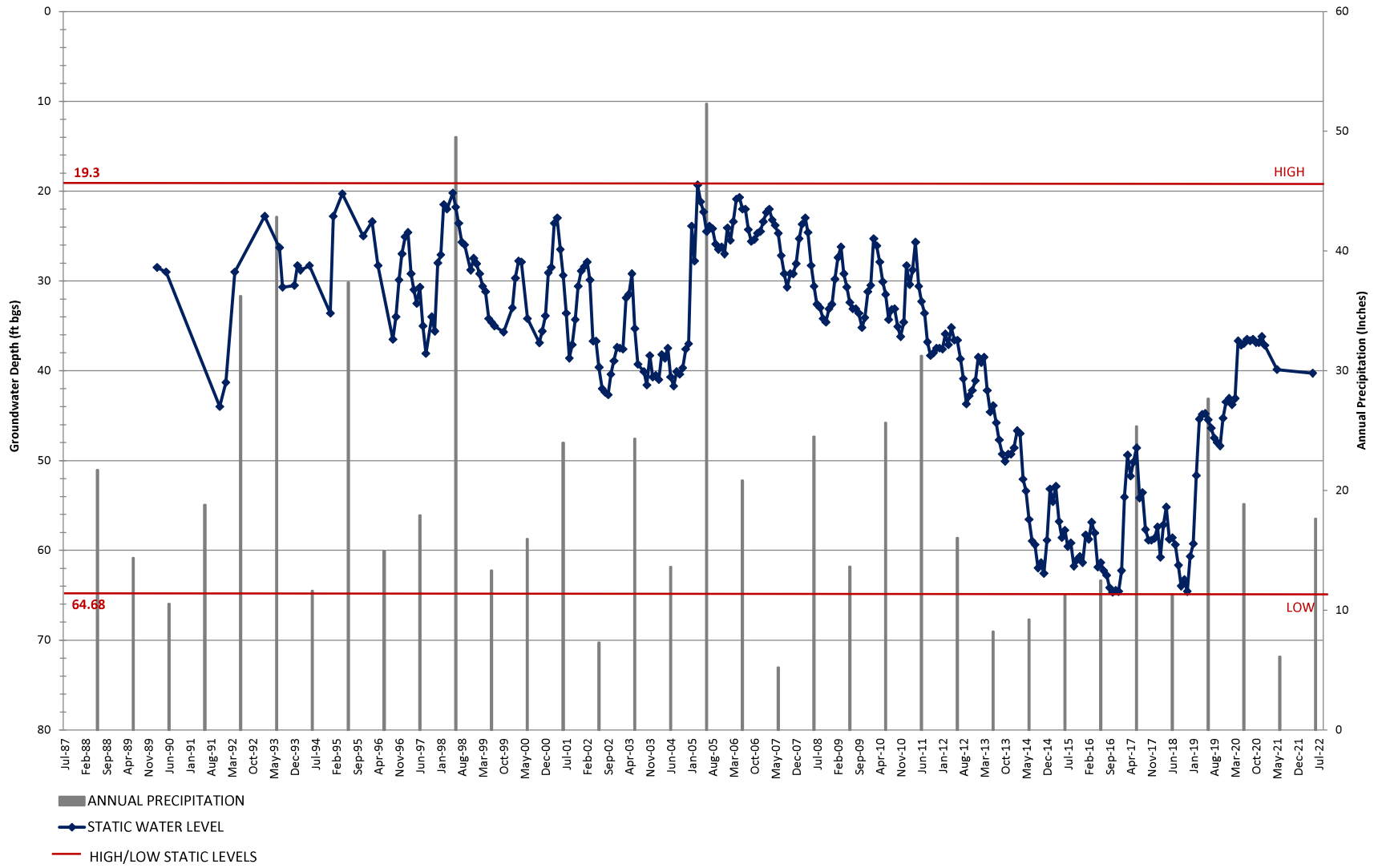
SCV WATER WELL 201
 STATIC WATER LEVEL VS PRECIPITATION



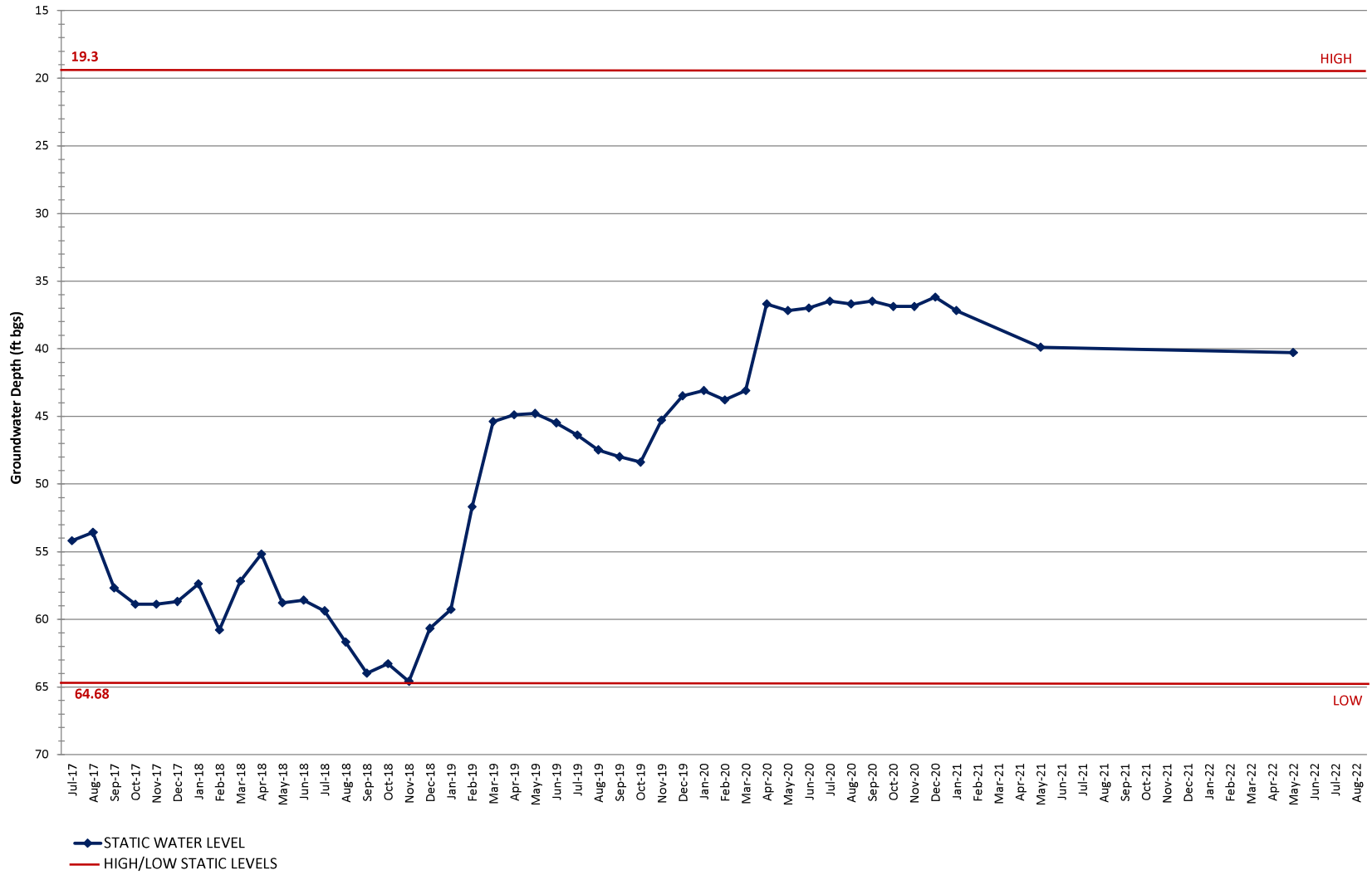
SCV WATER WELL 201
 STATIC WATER LEVEL



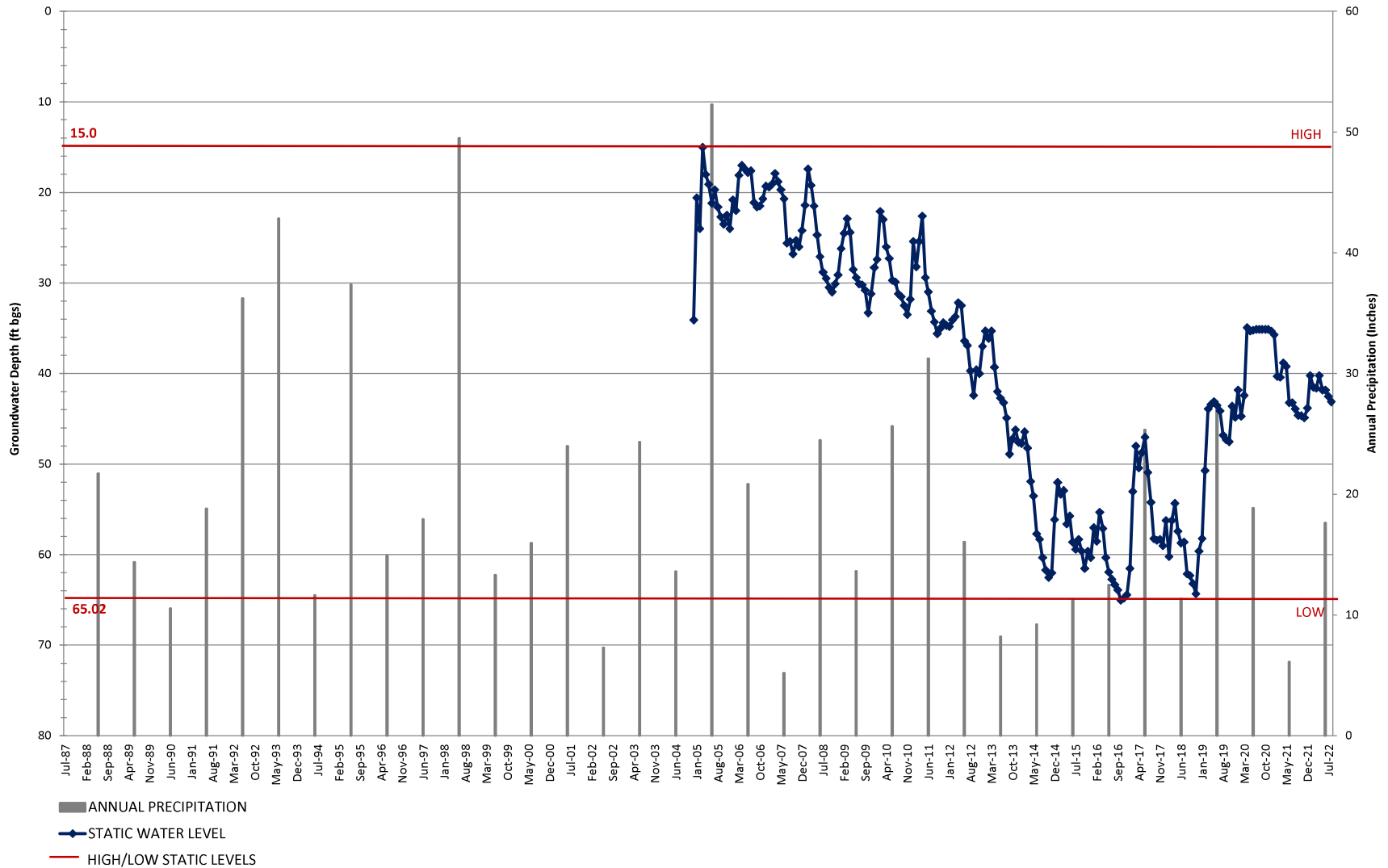
SCV WATER WELL N
 STATIC WATER LEVEL VS PRECIPITATION



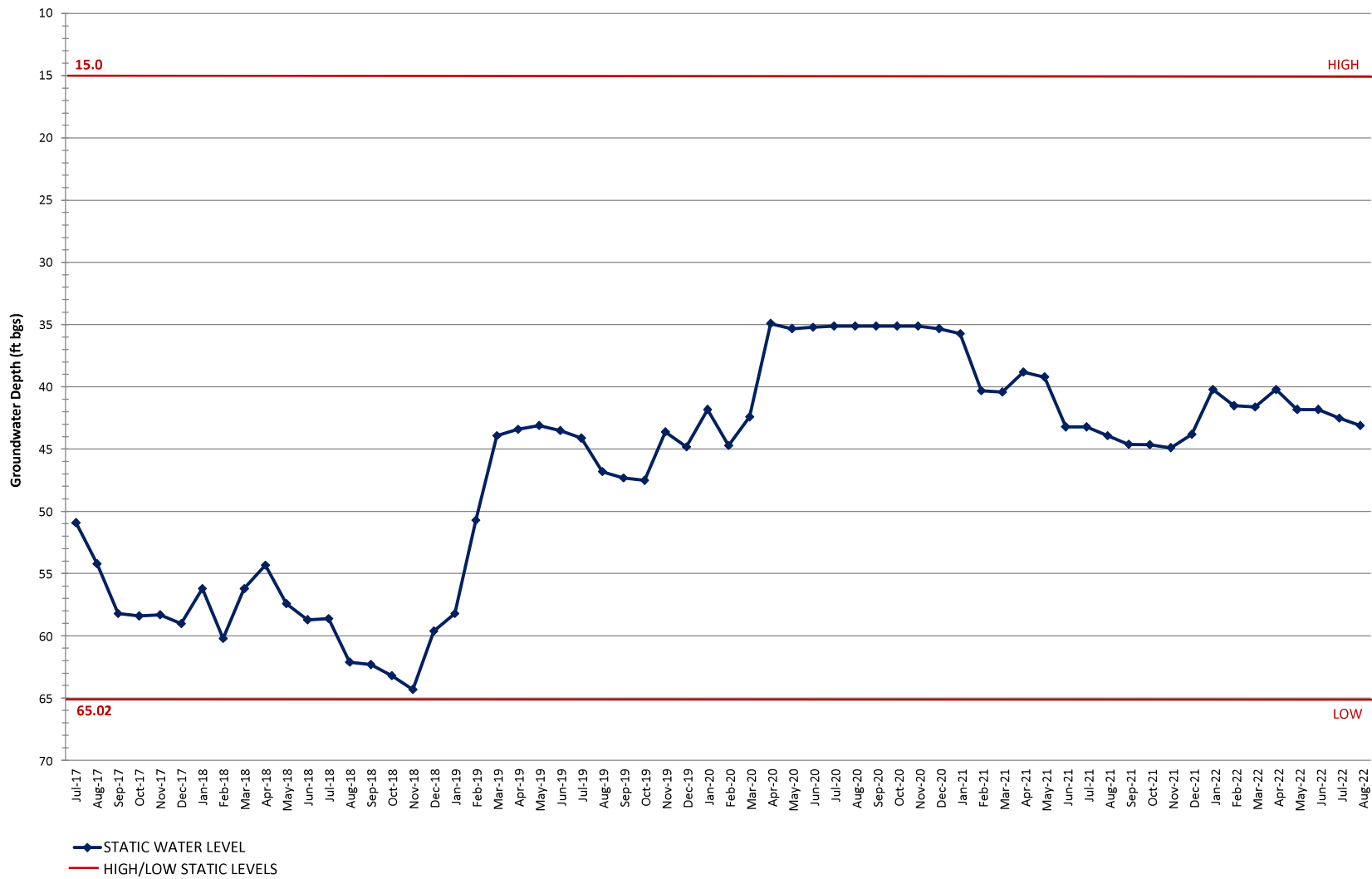
SCV WATER WELL N
STATIC WATER LEVEL



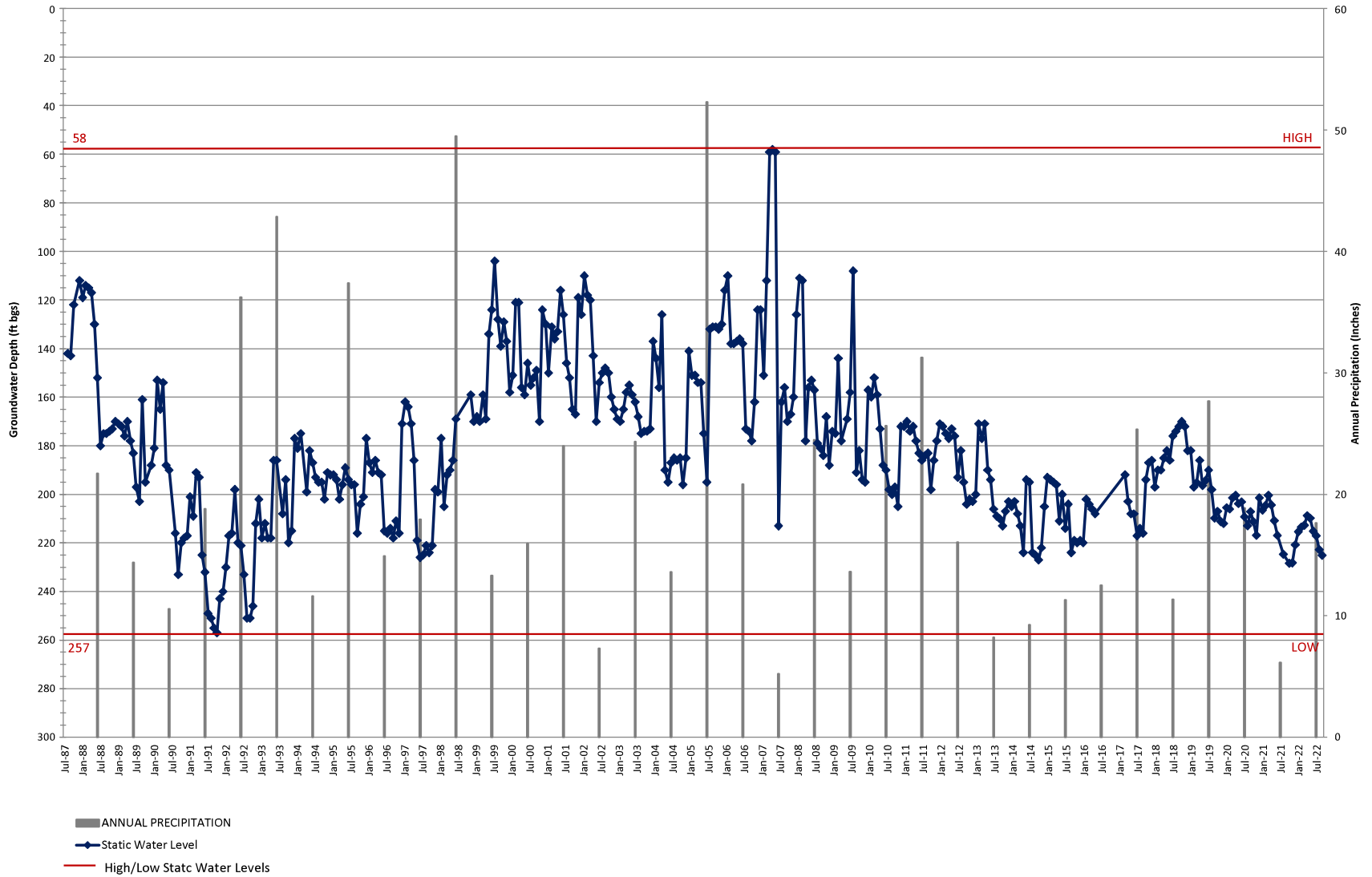
SCV WATER WELL N7
 STATIC WATER LEVEL VS PRECIPITATION



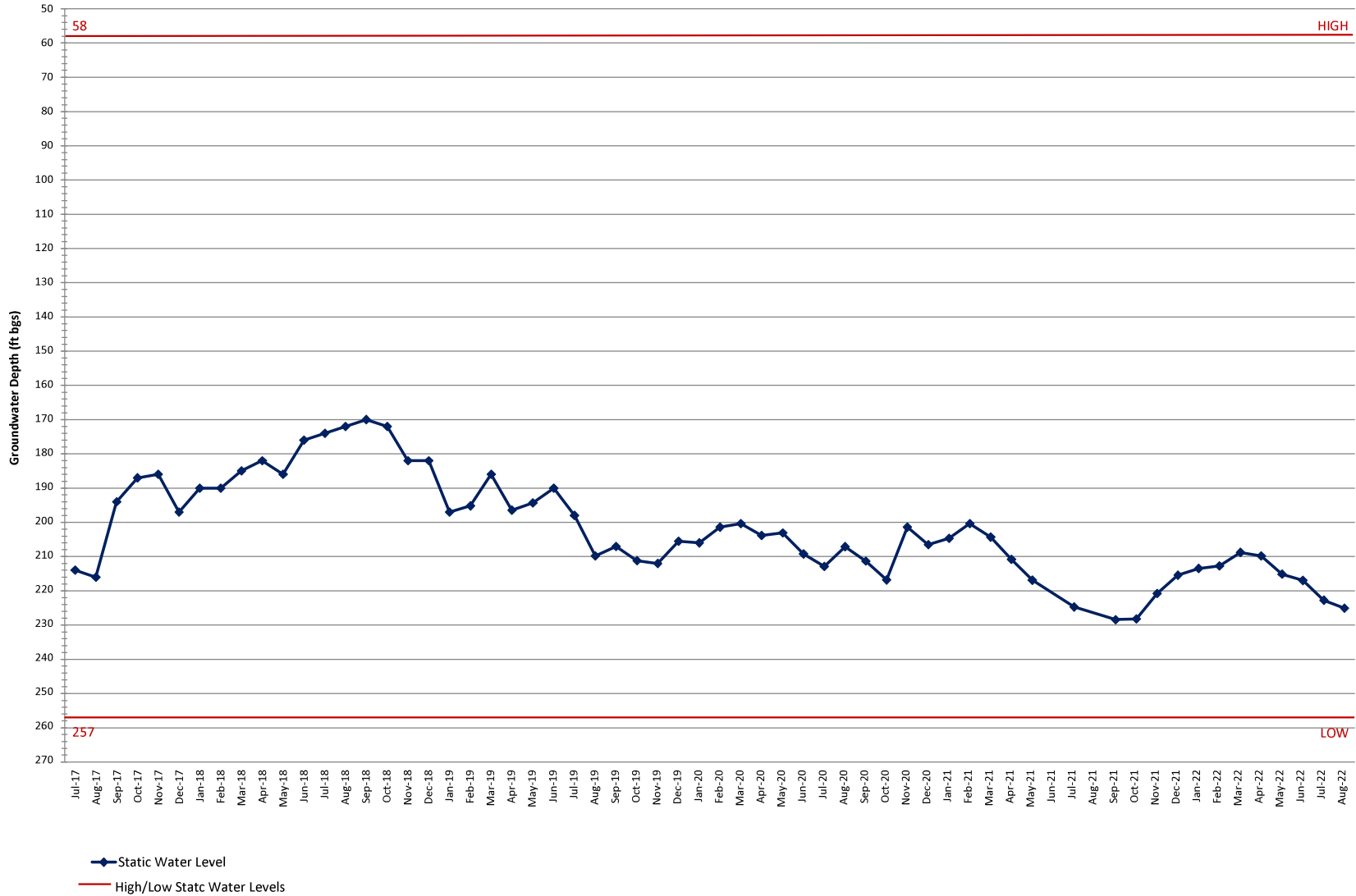
SCV WATER WELL N7
STATIC WATER LEVEL



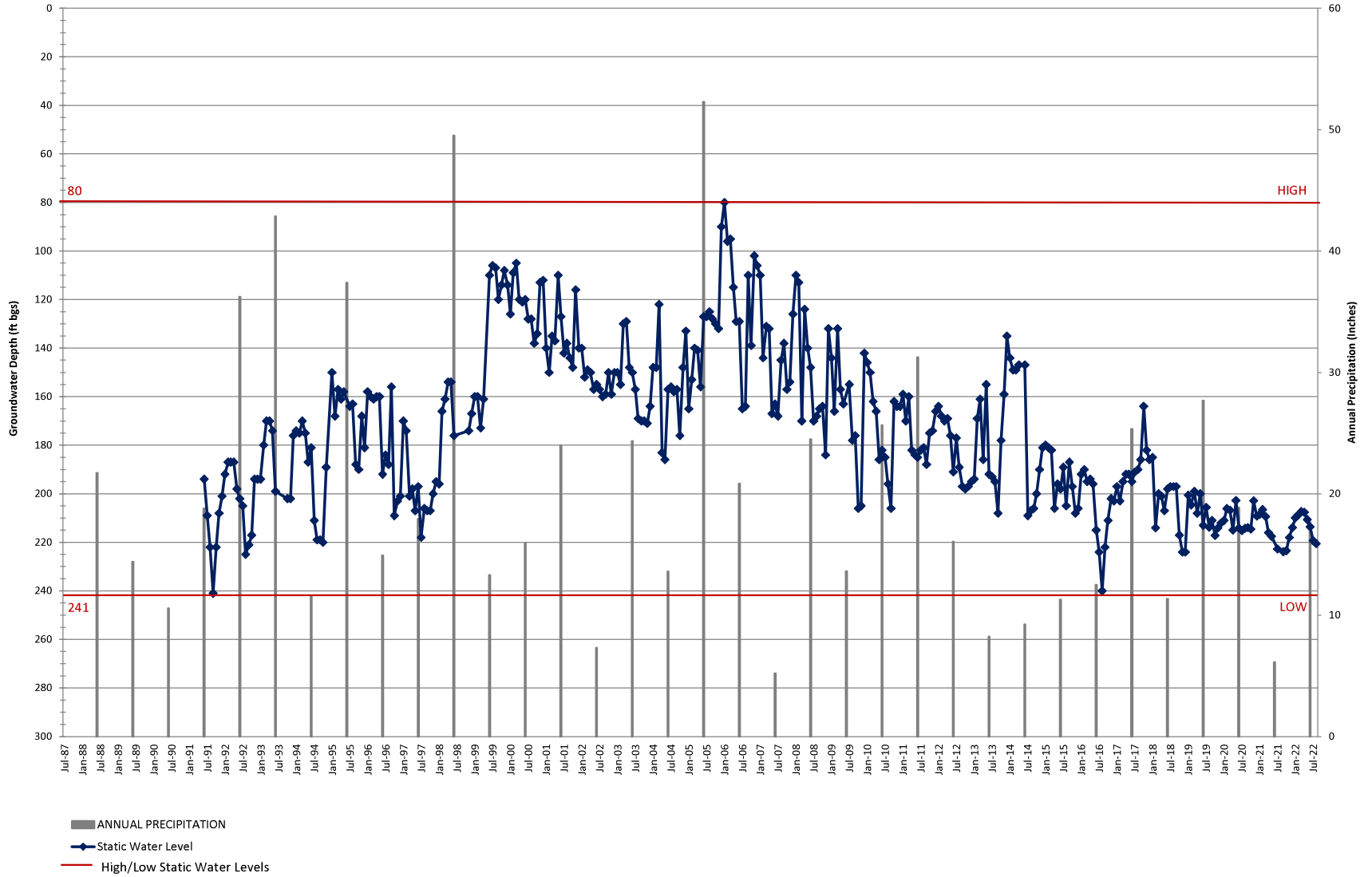
SCV WATER WELL N12
 STATIC WATER LEVEL VS PRECIPITATION



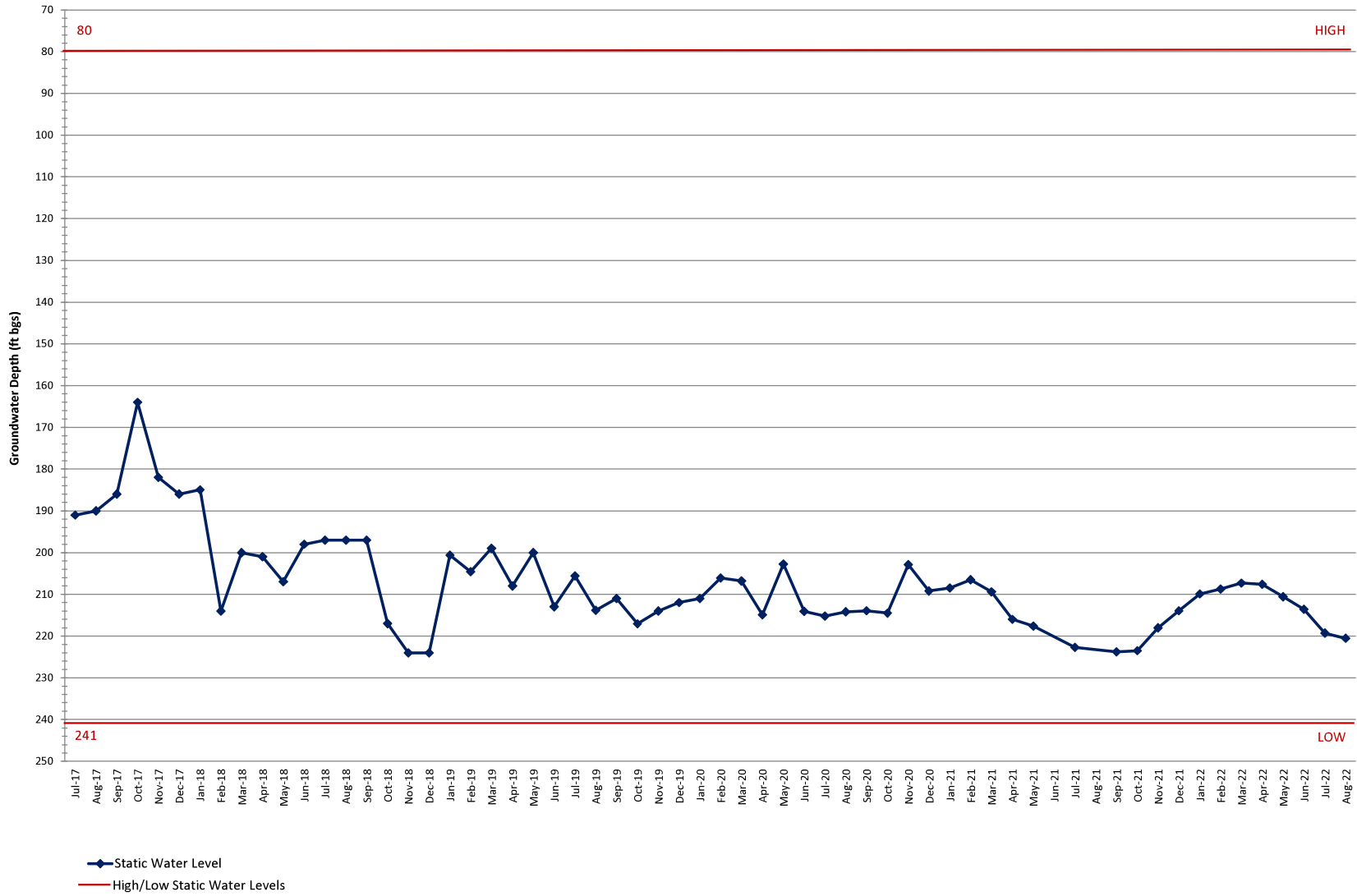
SCV WATER WELL N12
 STATIC WATER LEVEL



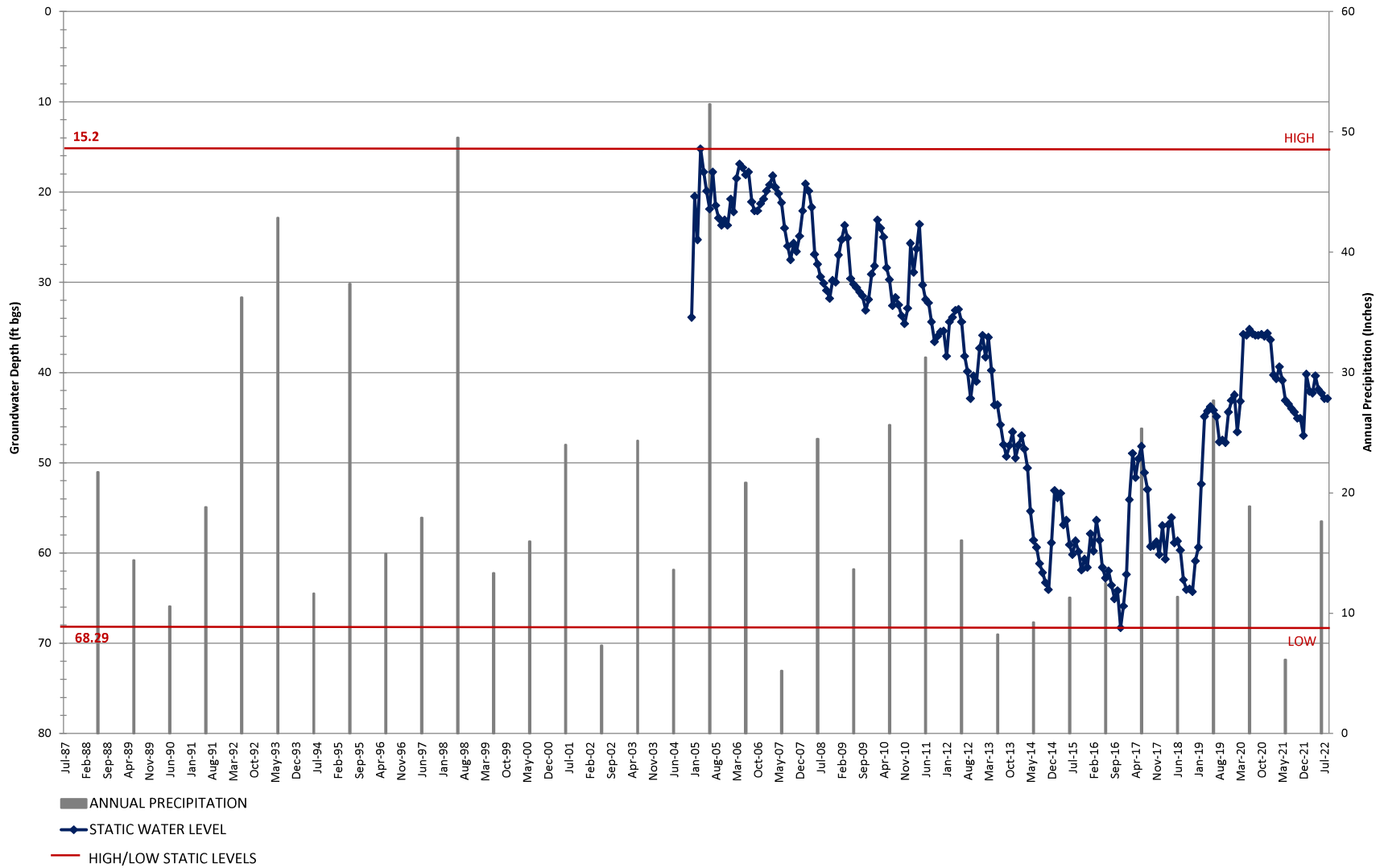
SCV WATER WELL N13
STATIC WATER LEVEL VS PRECIPITATION



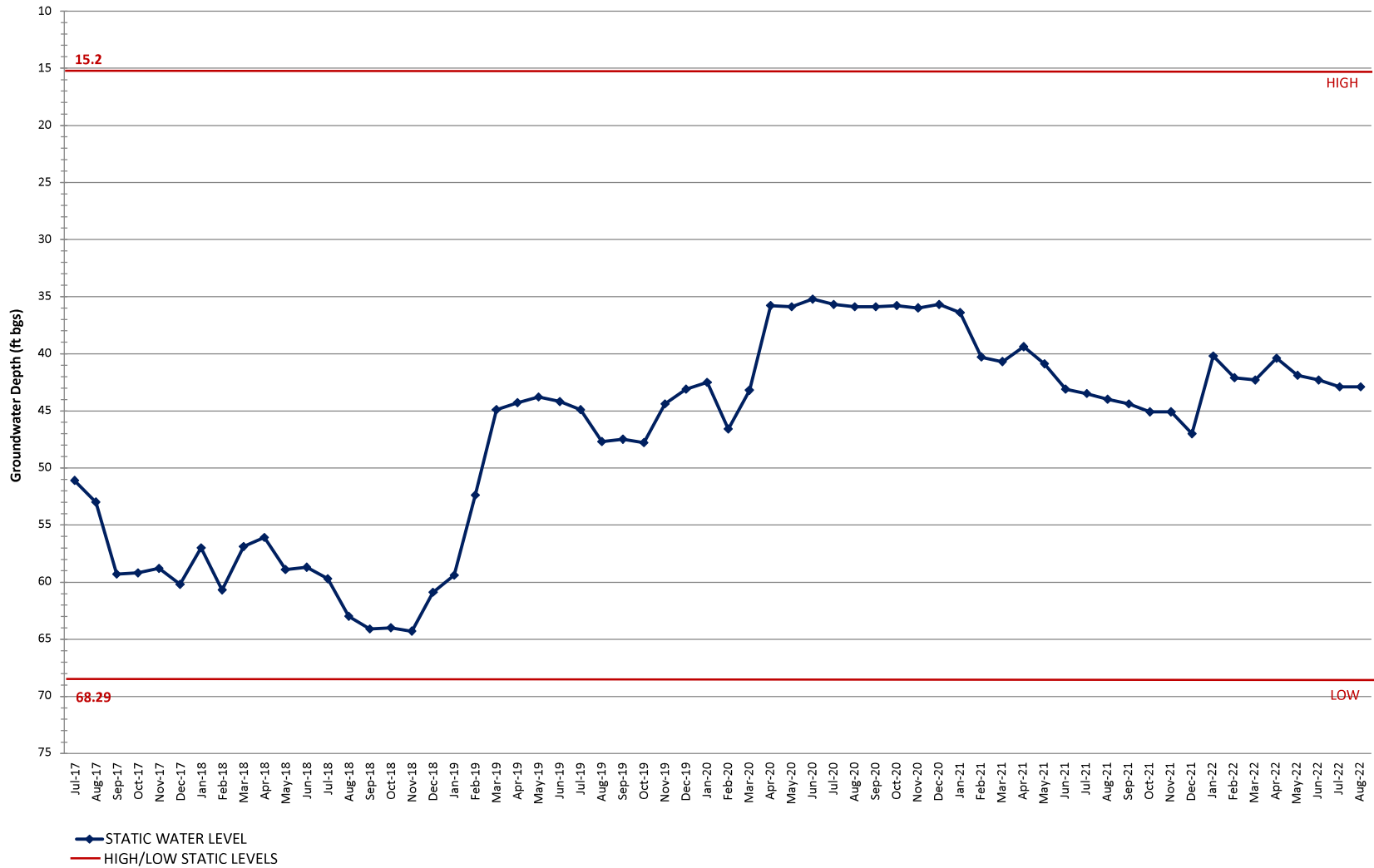
SCV WATER WELL N13
 STATIC WATER LEVEL



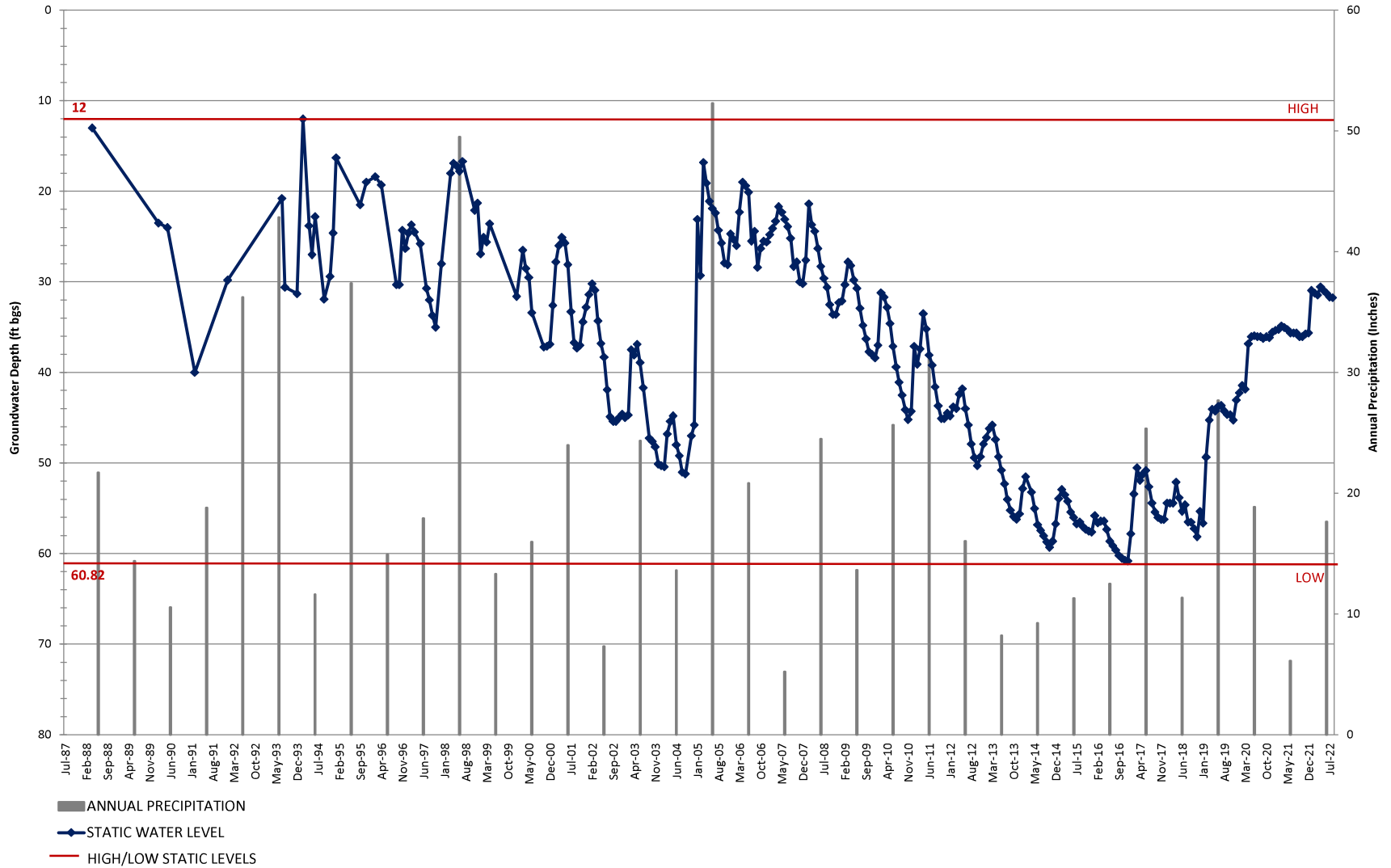
SCV WATER WELL N8
 STATIC WATER LEVEL VS PRECIPITATION



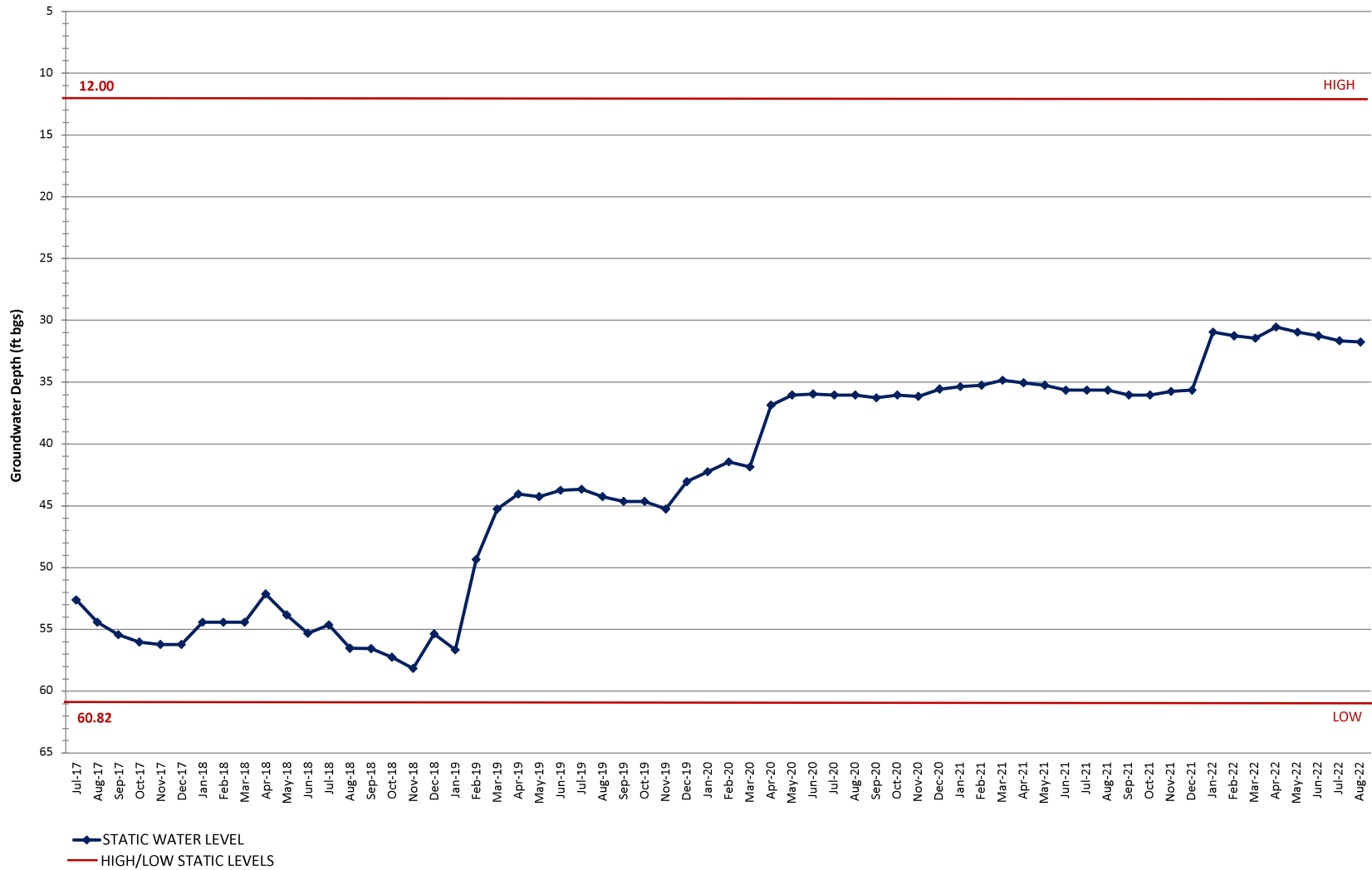
SCV WATER WELL N8
STATIC WATER LEVEL



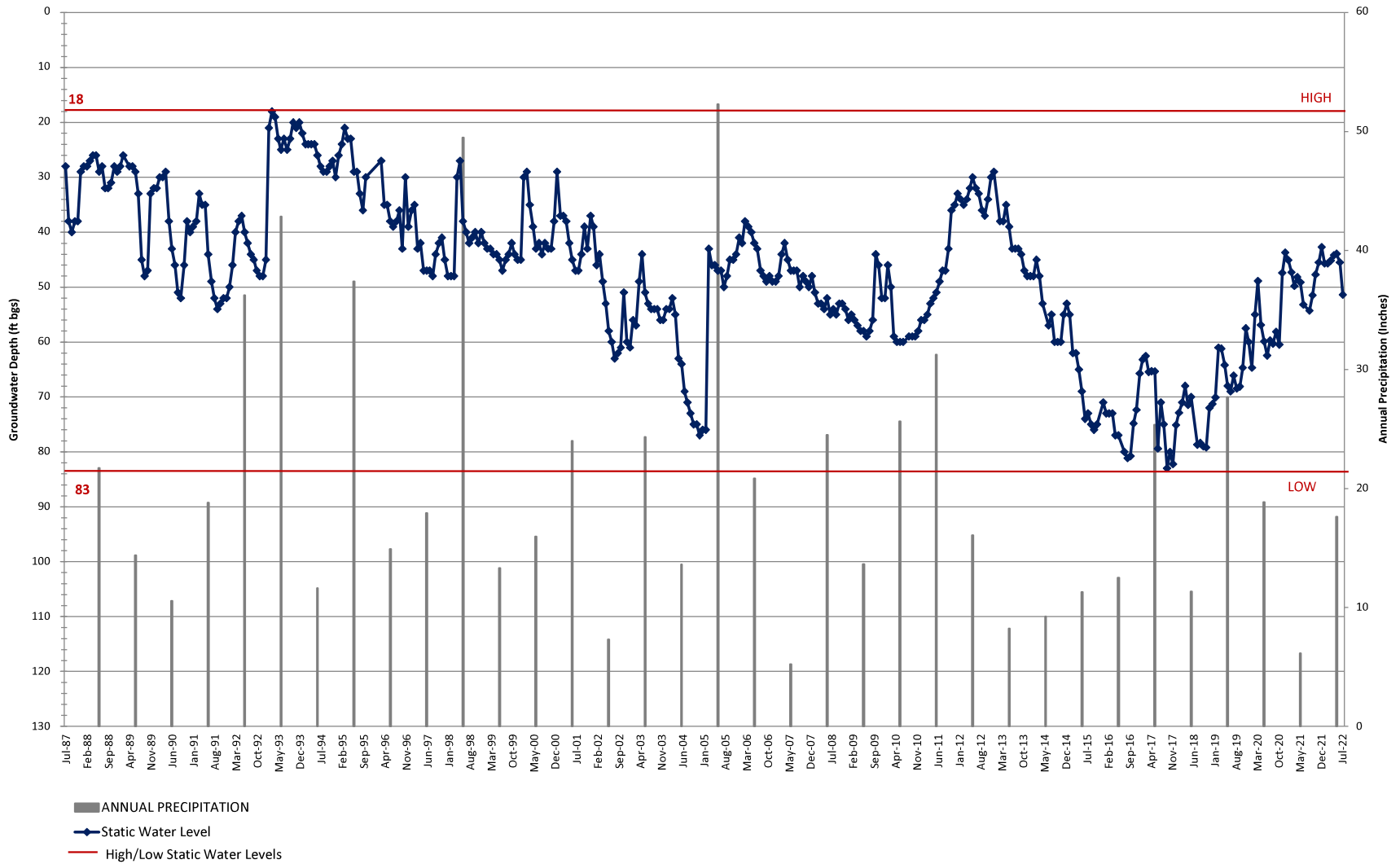
SCV WATER WELL Q2
 STATIC WATER LEVEL VS PRECIPITATION



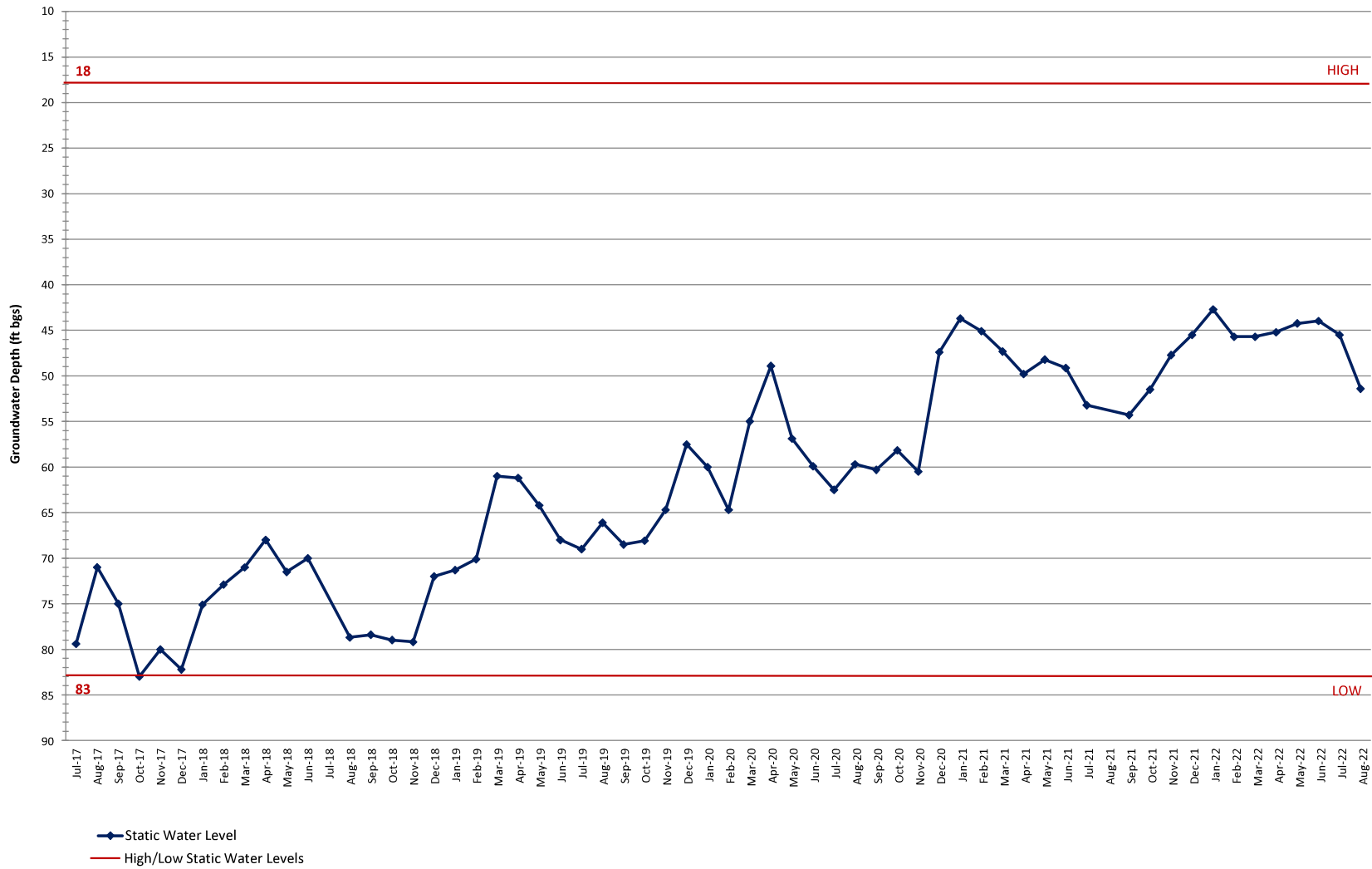
SCV WATER WELL Q2
STATIC WATER LEVEL



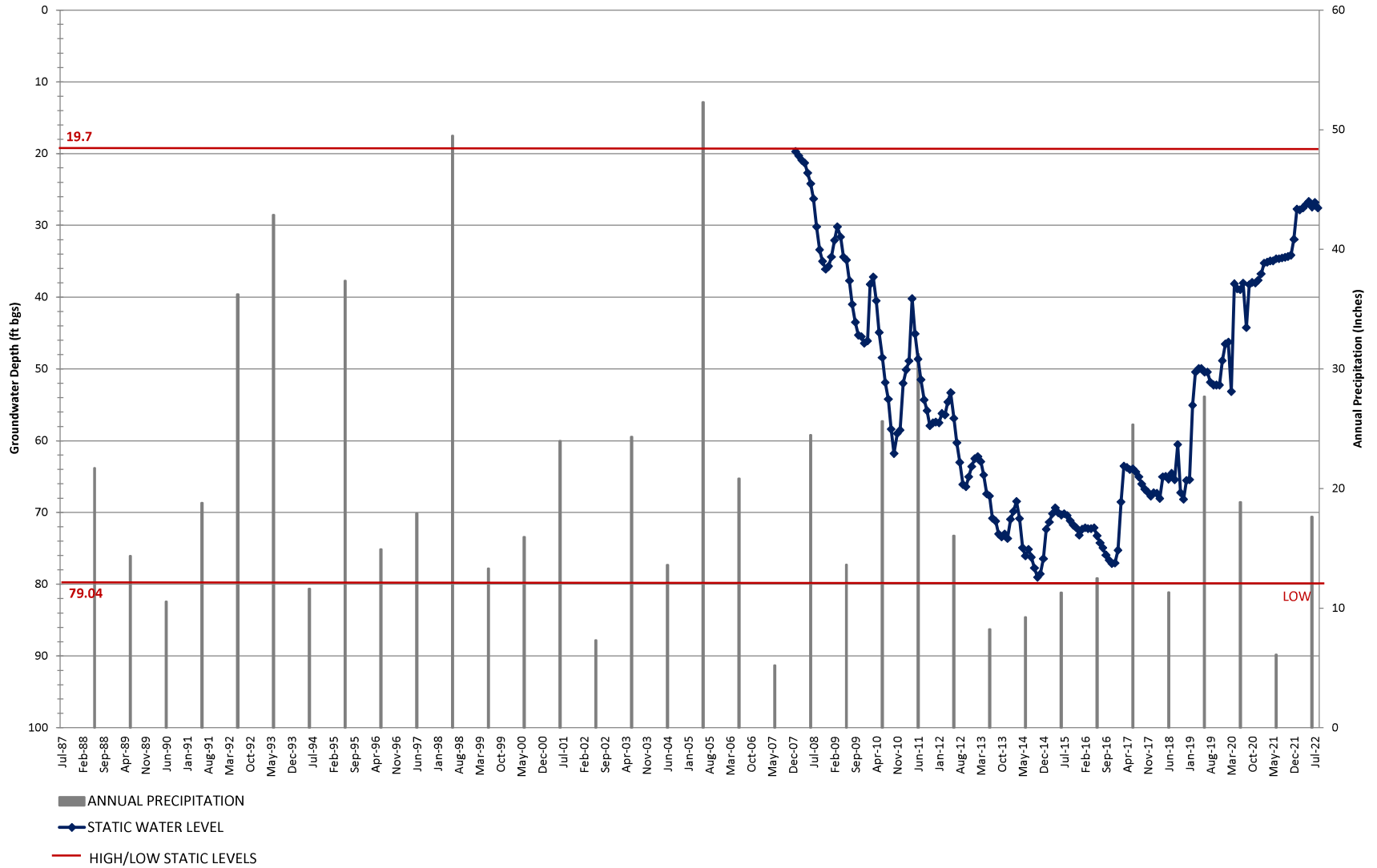
SCV WATER WELL GUIDA #14
STATIC WATER LEVEL VS PRECIPITATION



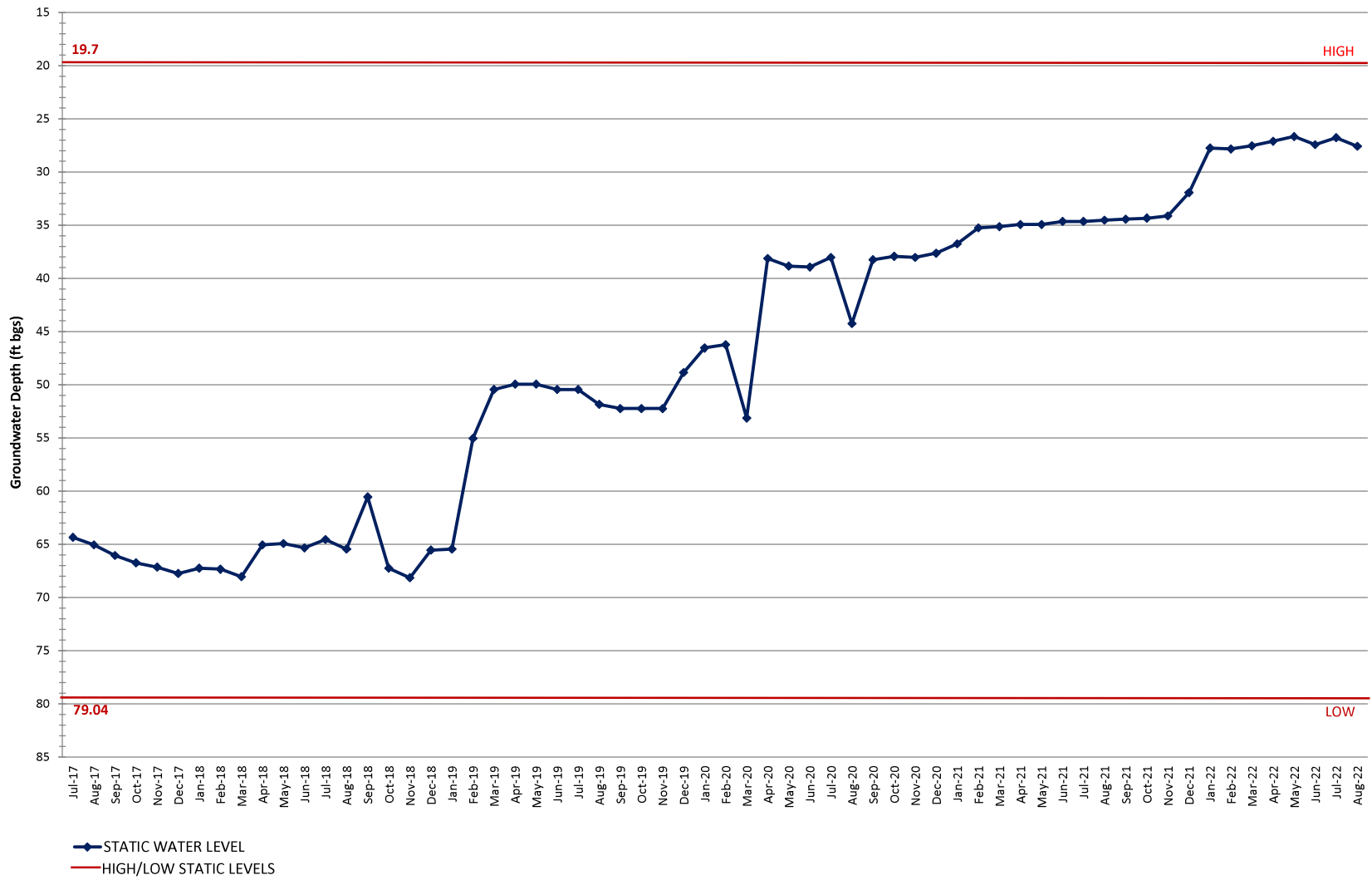
SCV WATER WELL GUIDA #14
 STATIC WATER LEVEL



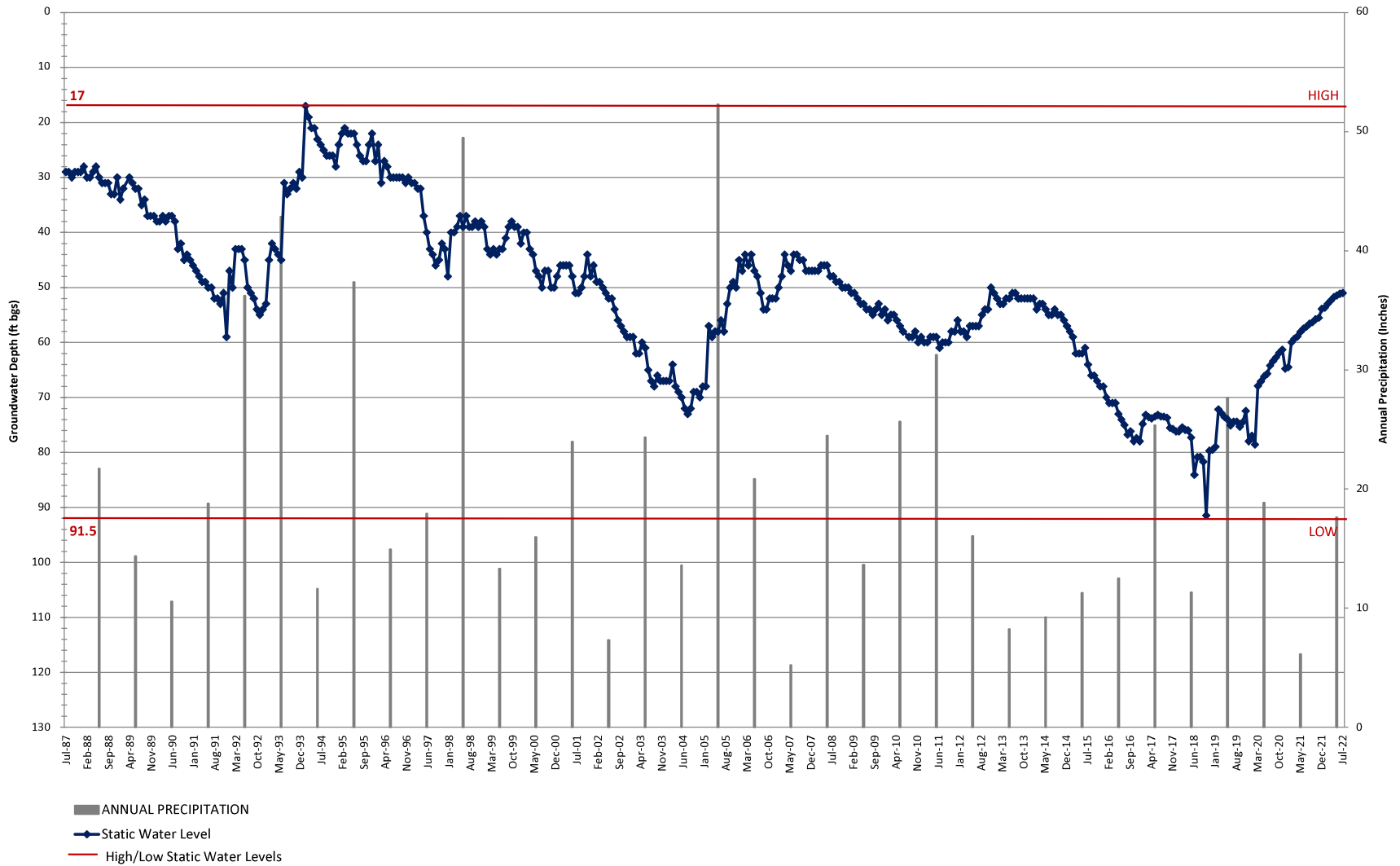
SCV WATER WELL T7
 STATIC WATER LEVEL VS PRECIPITATION



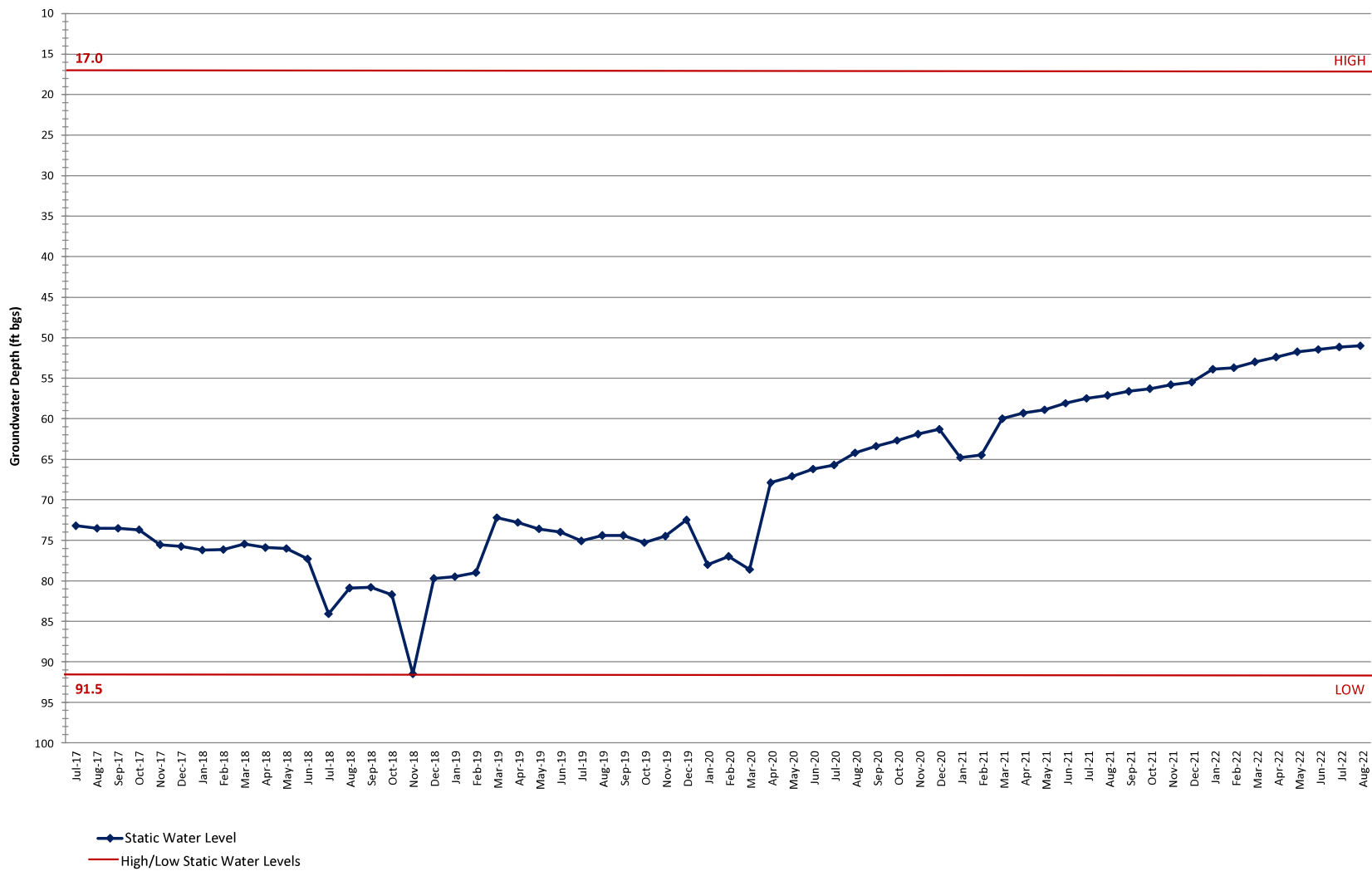
SCV WATER WELL T7
STATIC WATER LEVEL



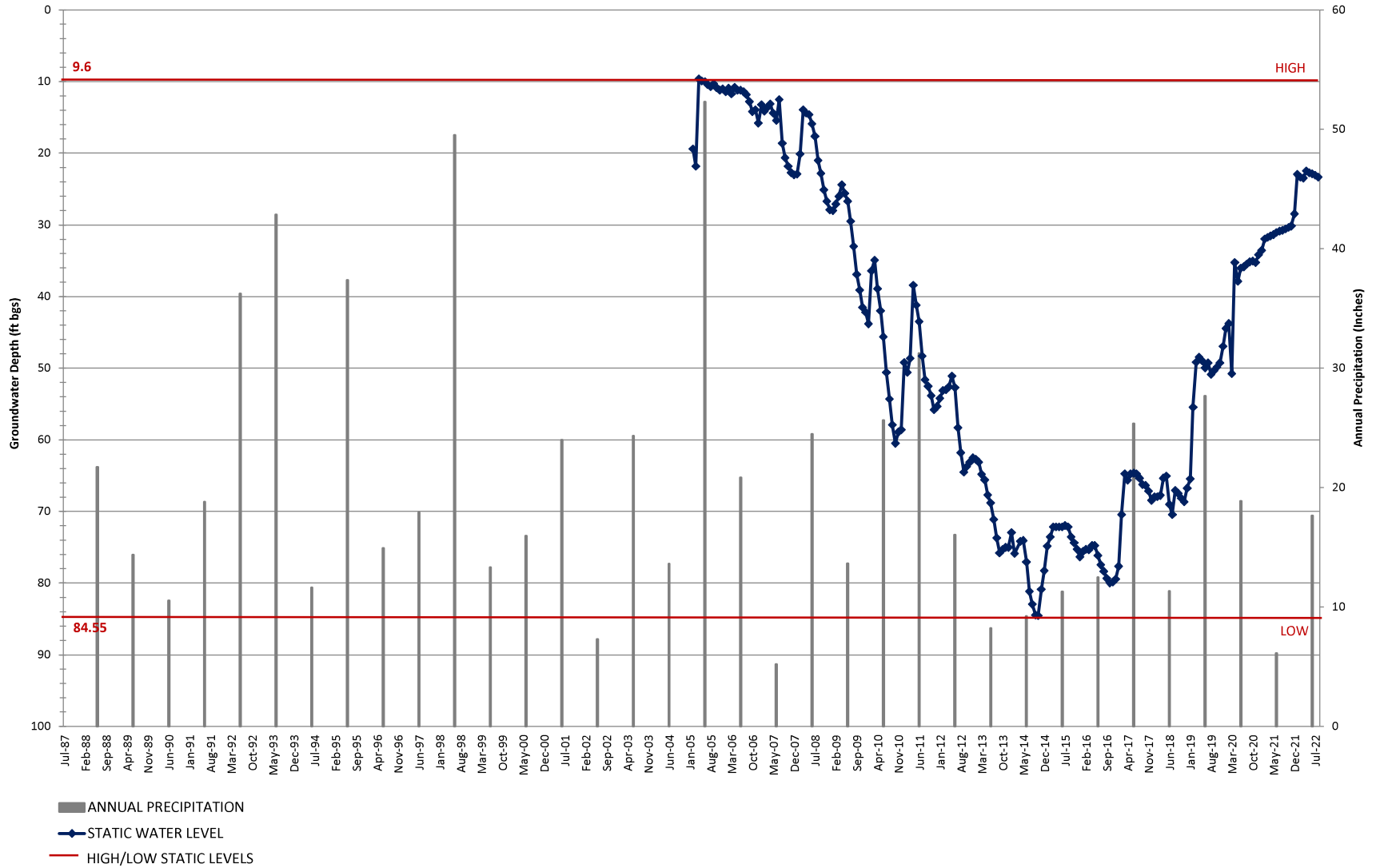
SCV WATER WELL CLARK #15
STATIC WATER LEVEL VS PRECIPITATION



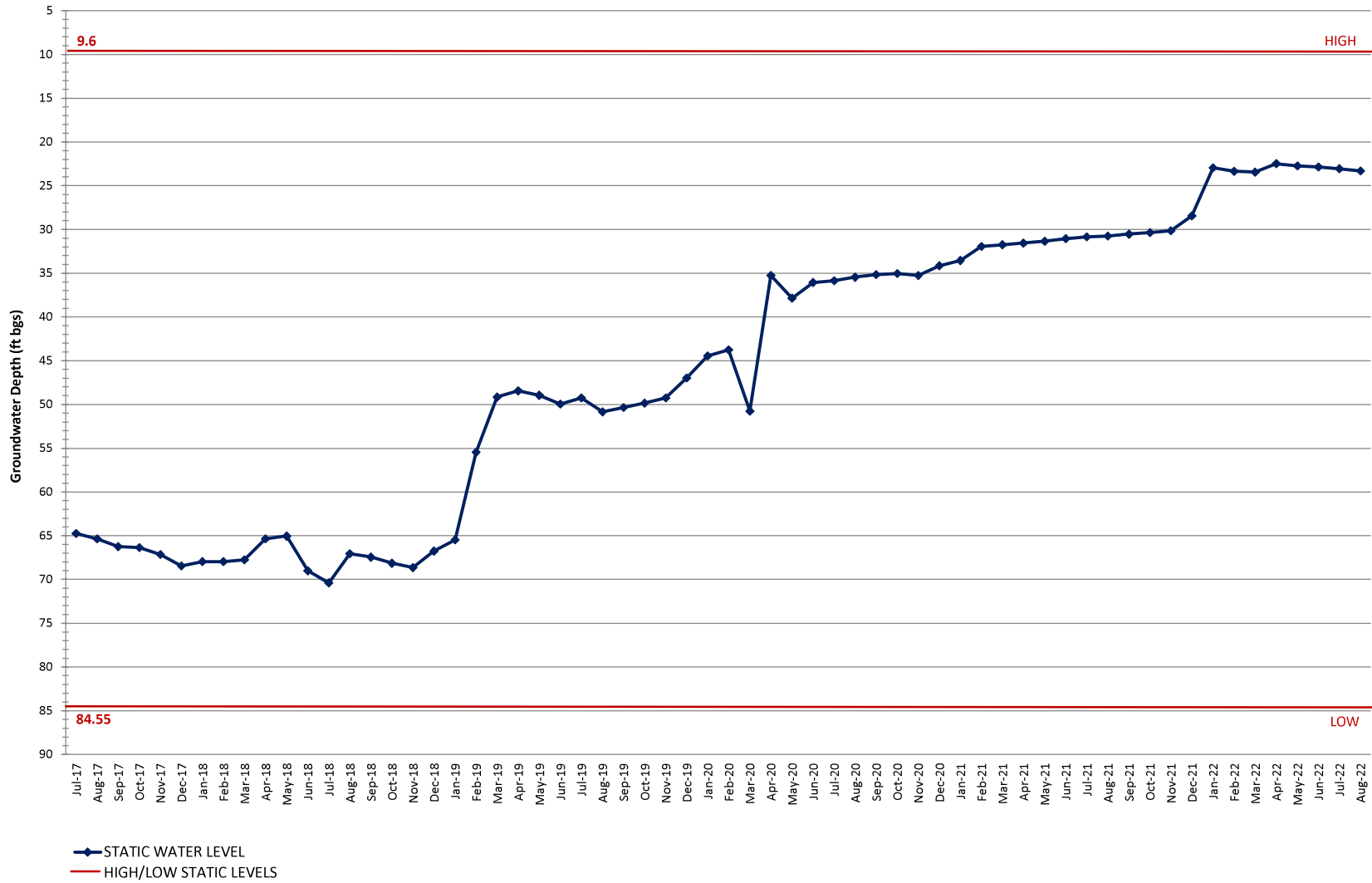
SCV WATER WELL CLARK #15
STATIC WATER LEVEL



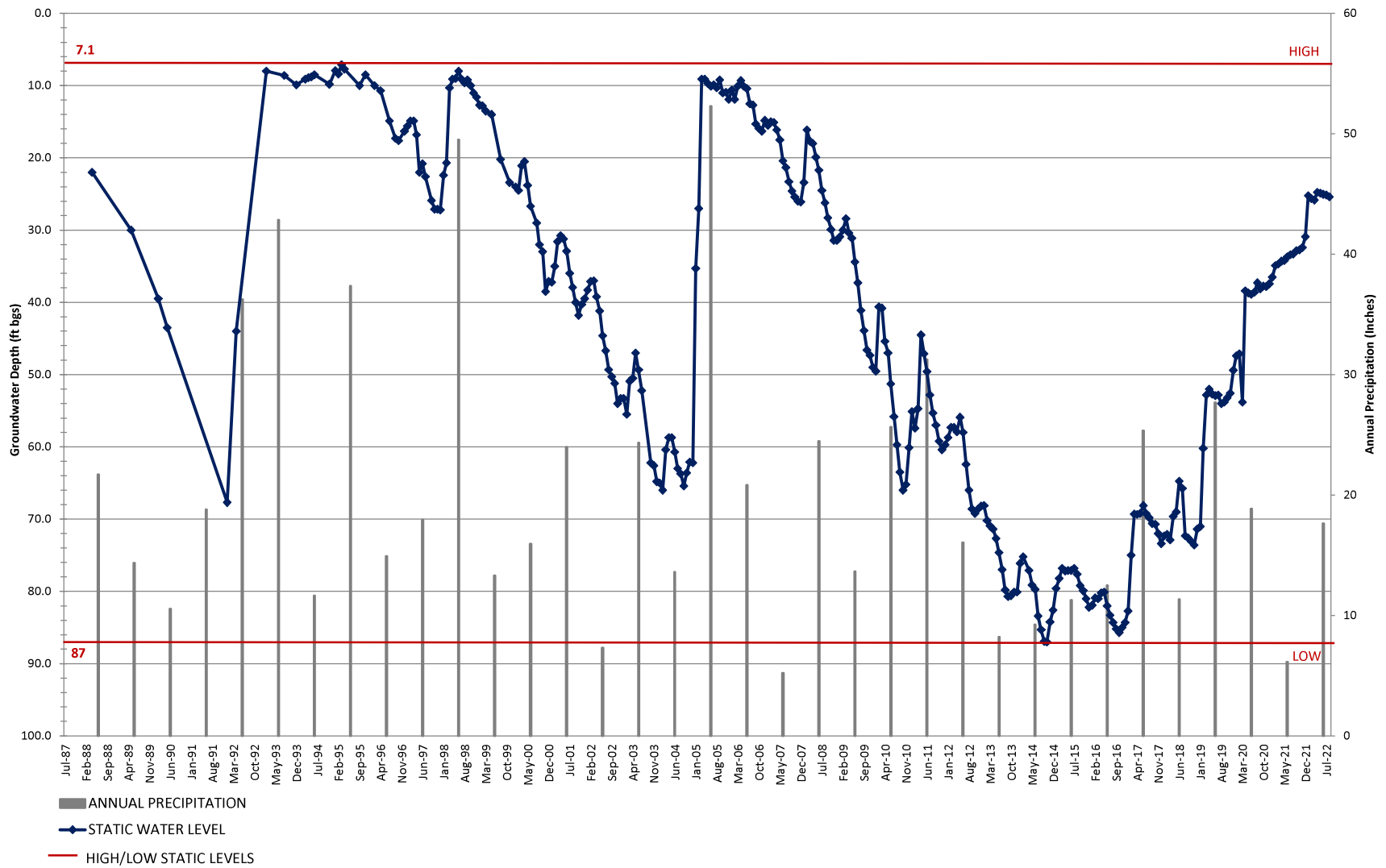
SCV WATER WELL U6
 STATIC WATER LEVEL VS PRECIPITATION



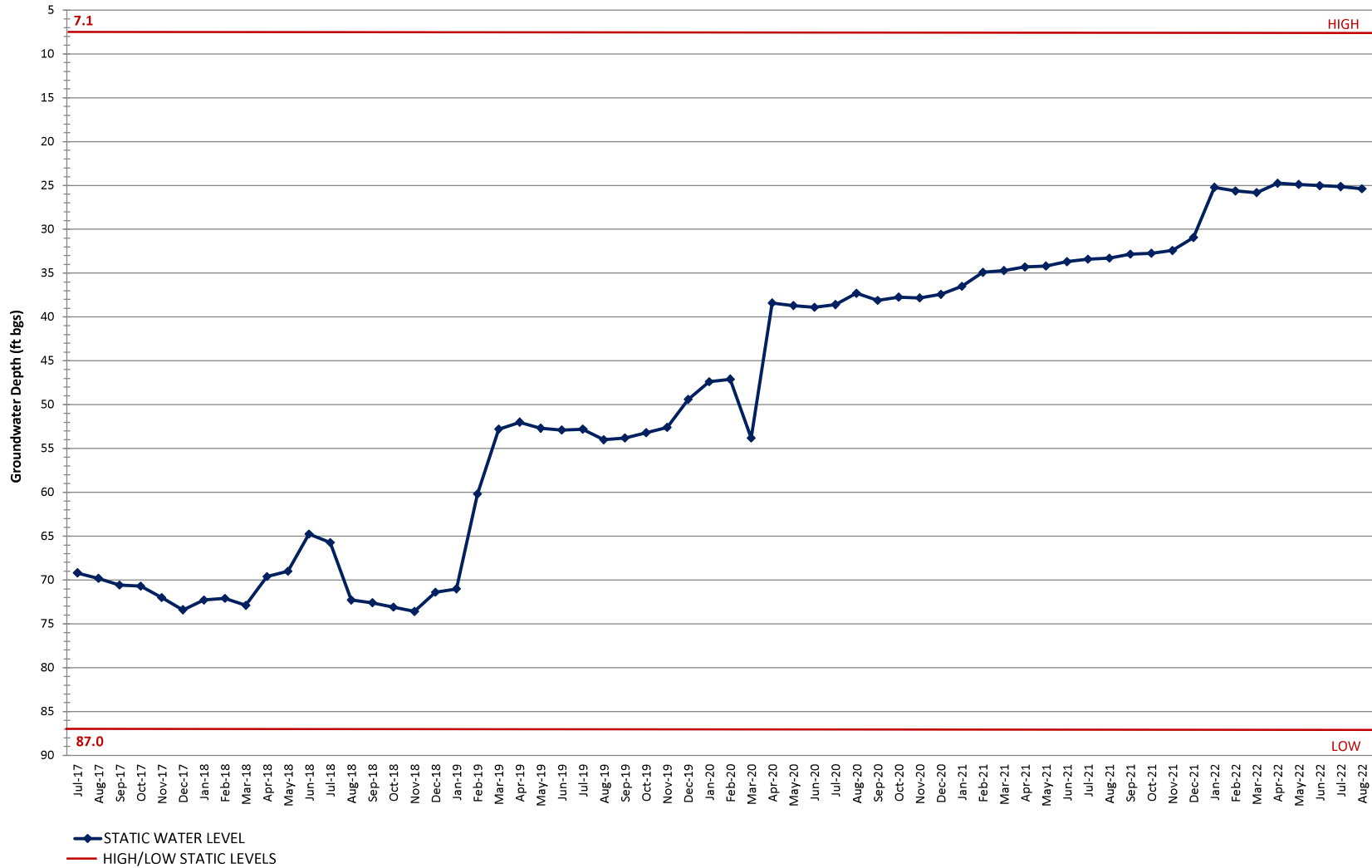
SCV WATER WELL U6
STATIC WATER LEVEL



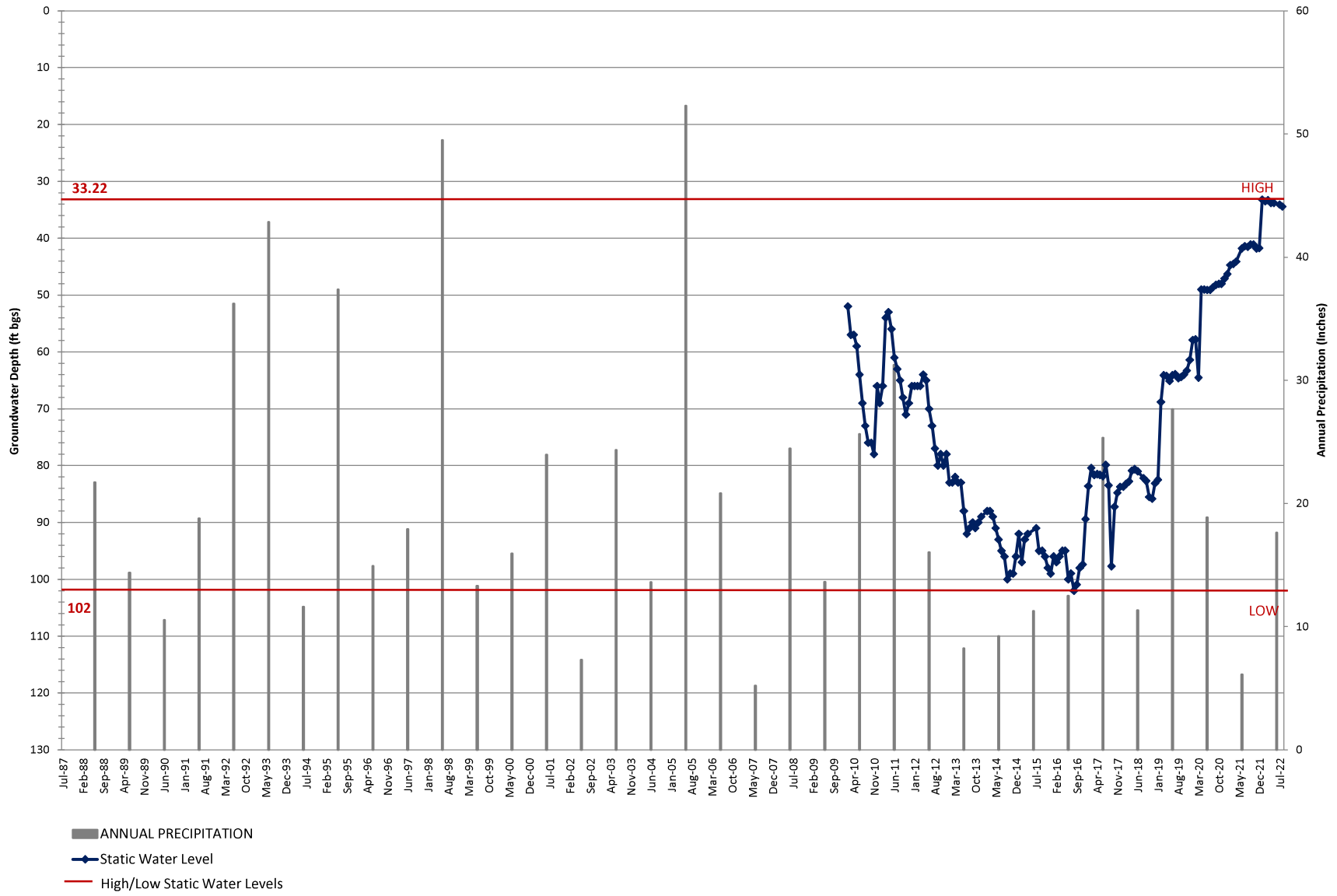
SCV WATER WELL U4
 STATIC WATER LEVEL VS PRECIPITATION



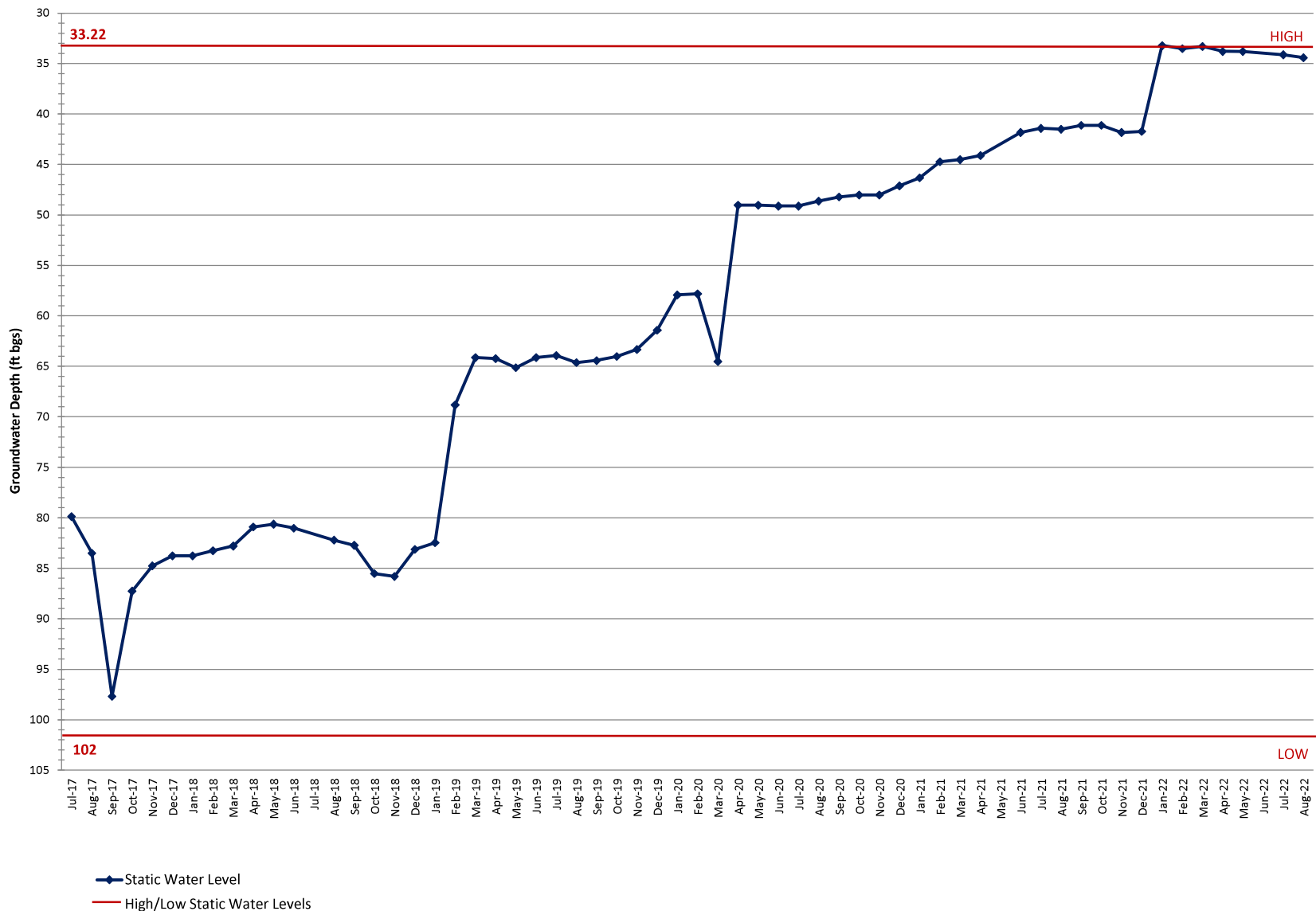
SCV WATER WELL U4
STATIC WATER LEVEL



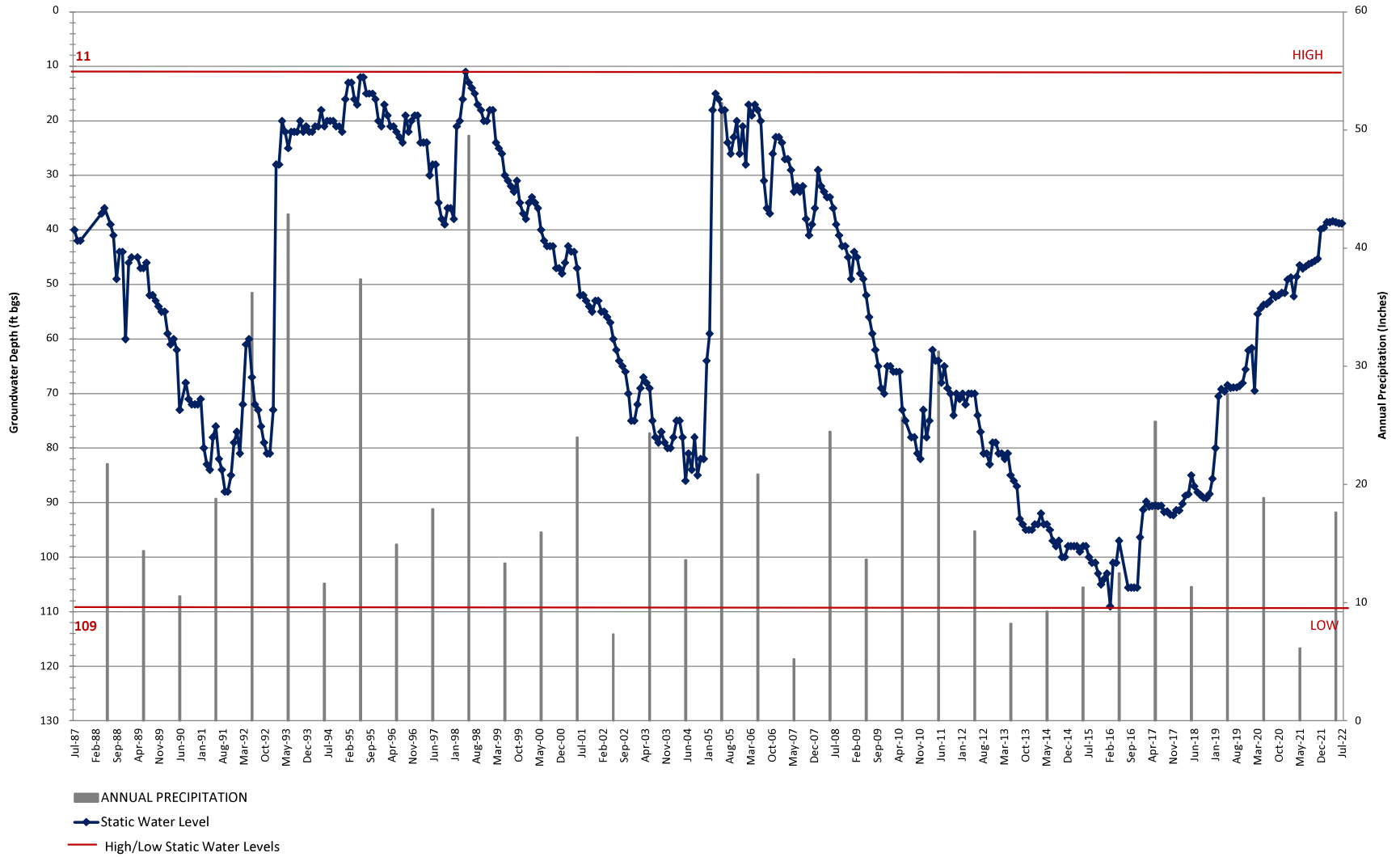
SCV WATER WELL VALLEY CENTER
STATIC WATER LEVEL VS PRECIPITATION



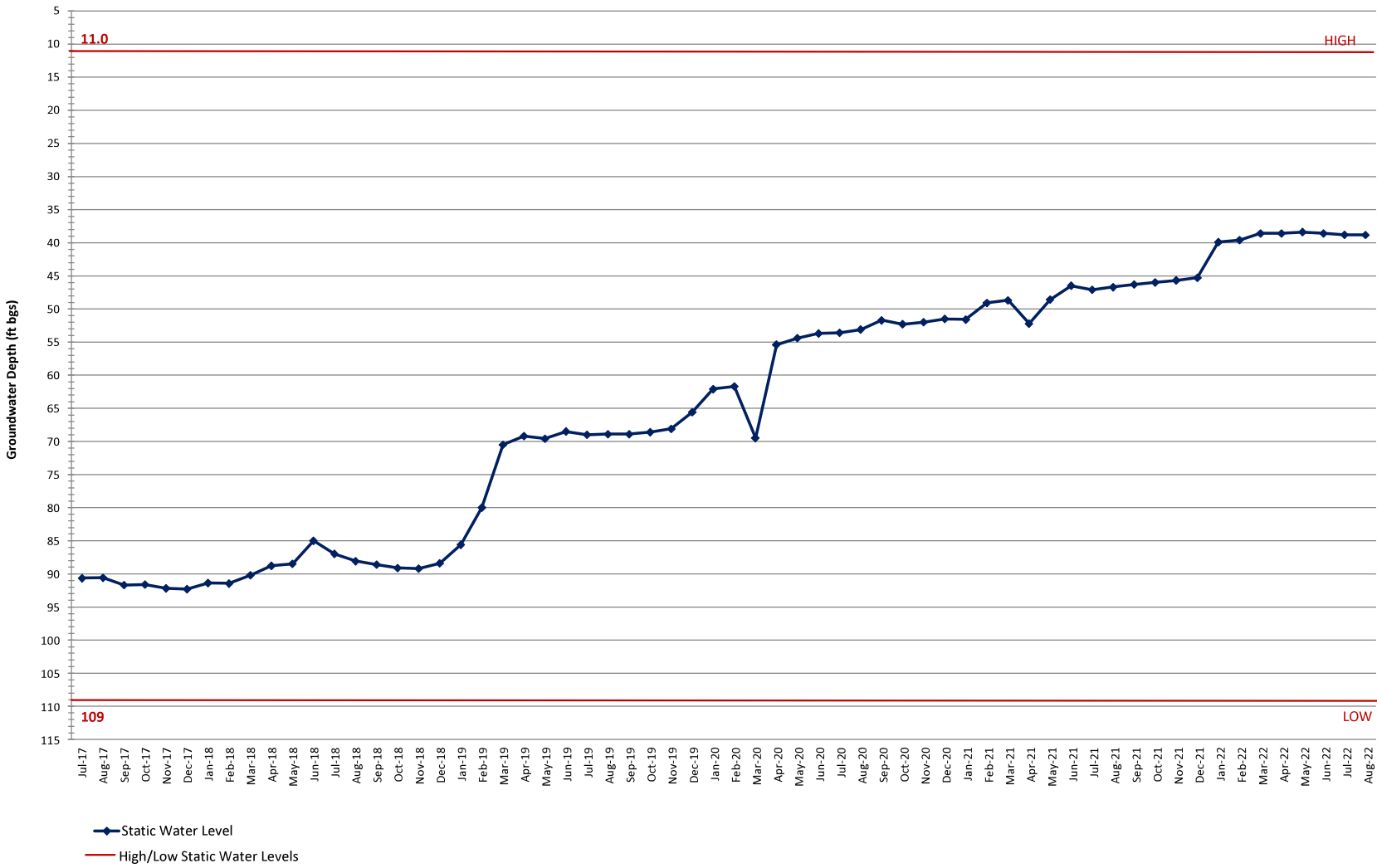
SCV WATER WELL VALLEY CENTER
STATIC WATER LEVEL



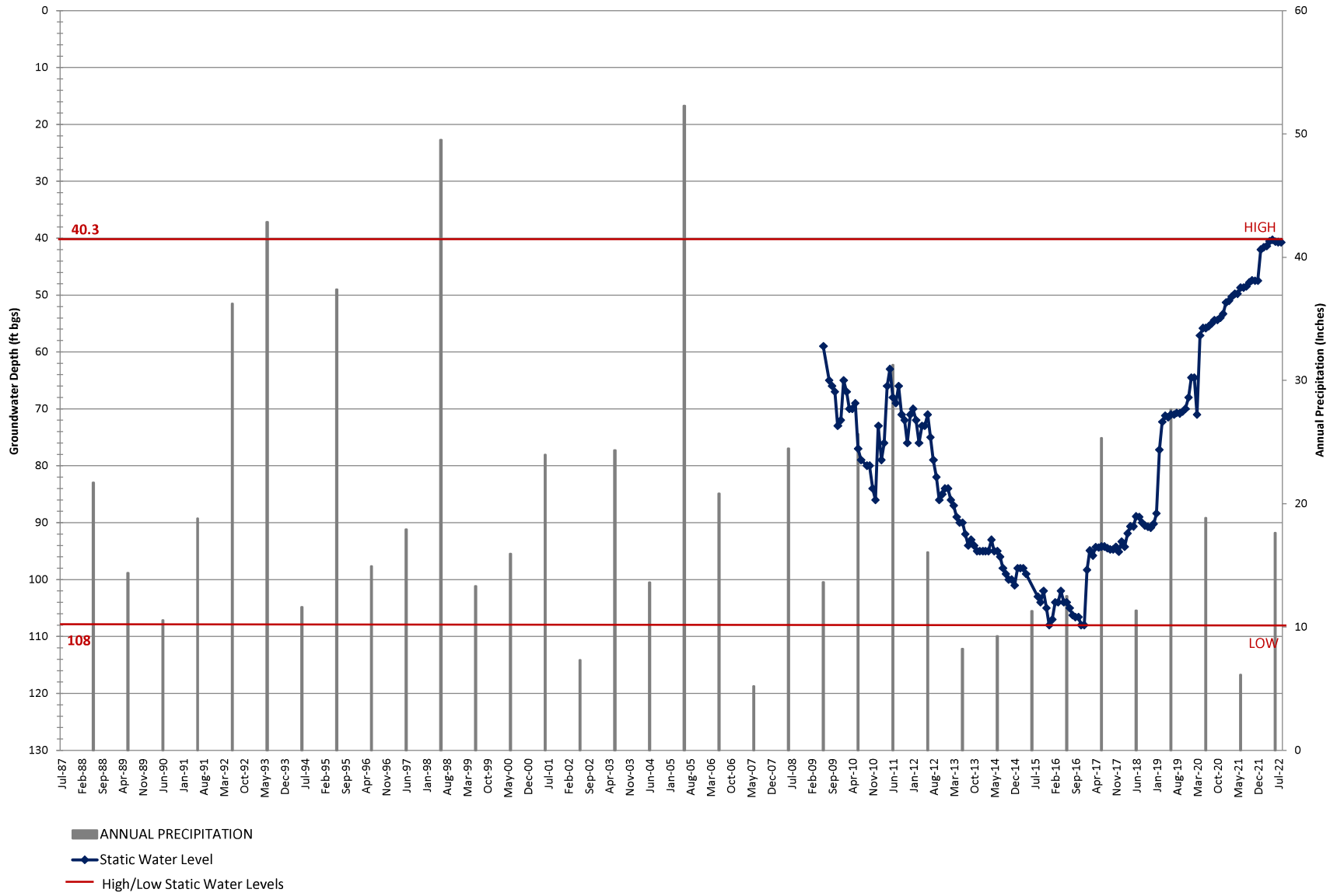
SCV WATER WELL HONBY #12
STATIC WATER LEVEL VS PRECIPITATION



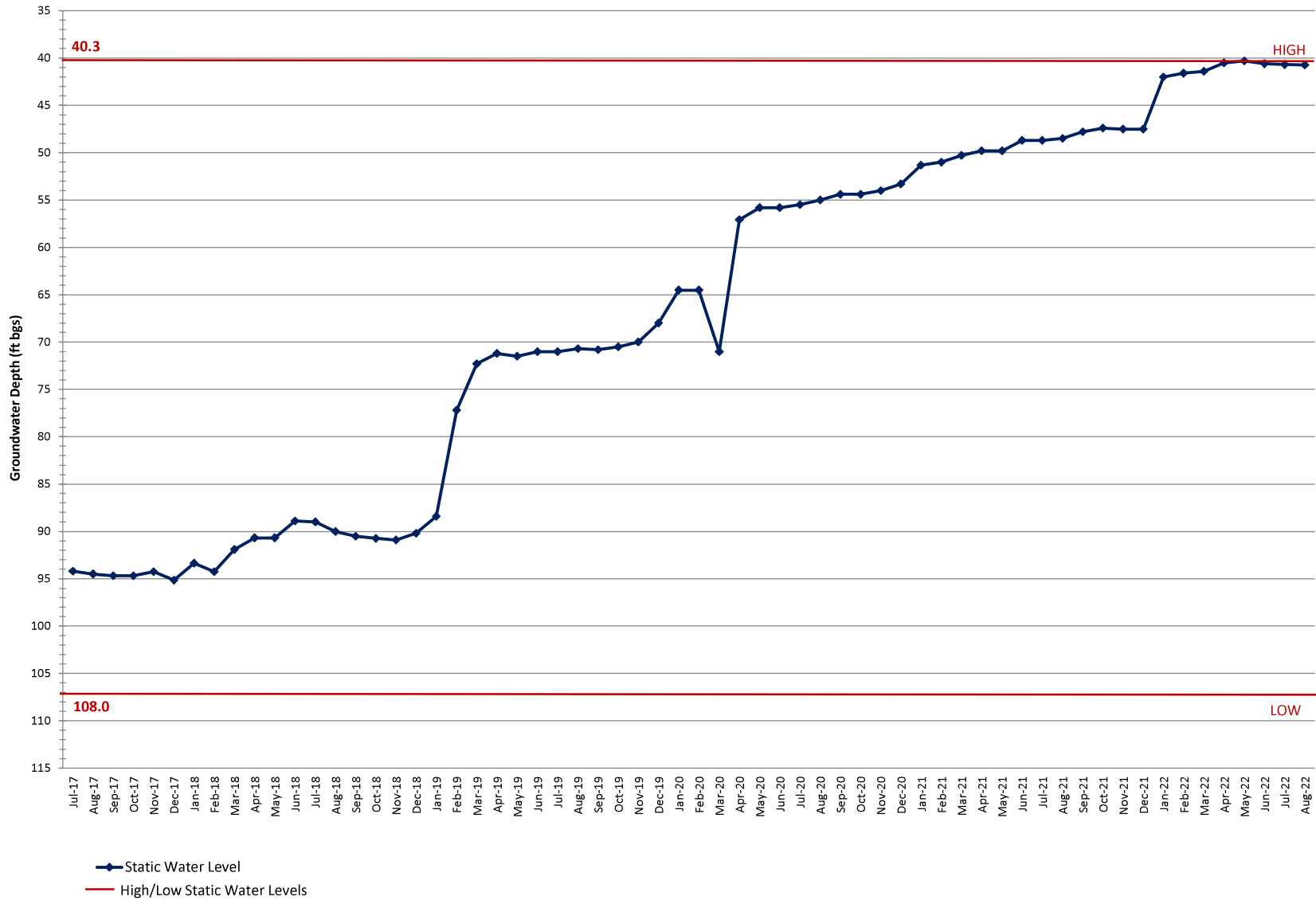
SCV WATER WELL HONBY #12
 STATIC WATER LEVEL



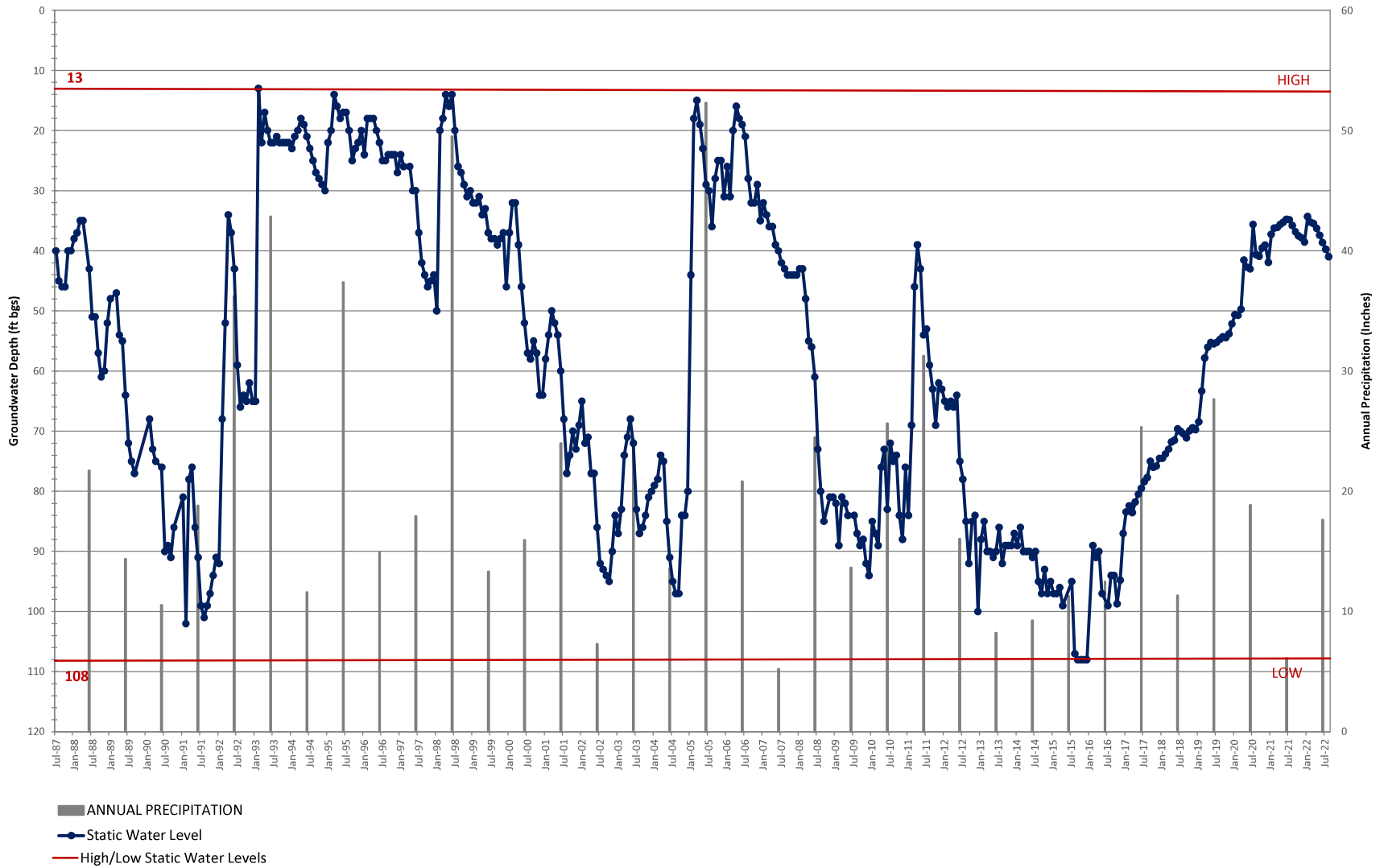
SCV WATER WELL SANTA CLARA
 STATIC WATER LEVEL VS PRECIPITATION



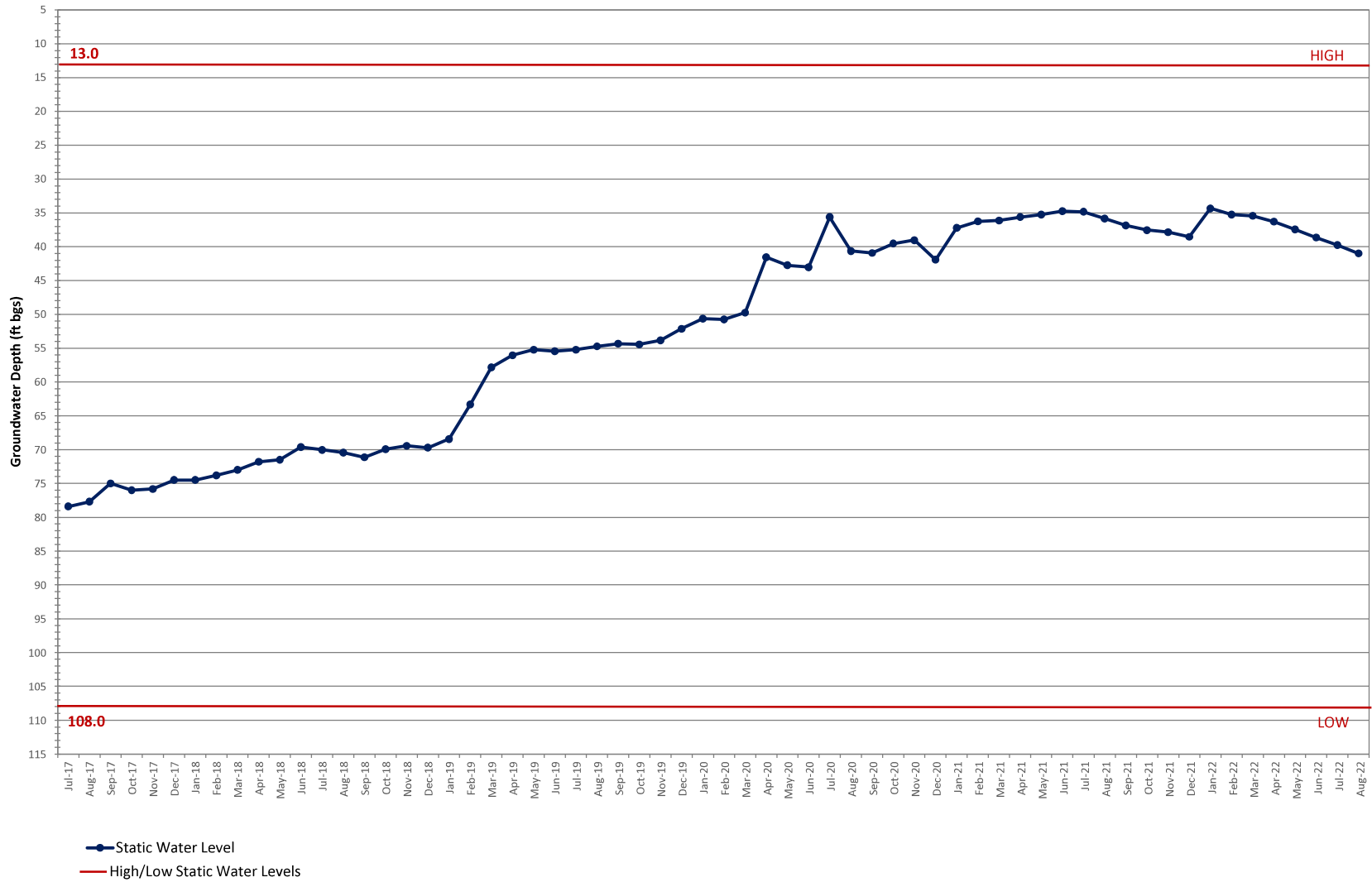
SCV WATER WELL SANTA CLARA
 STATIC WATER LEVEL



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



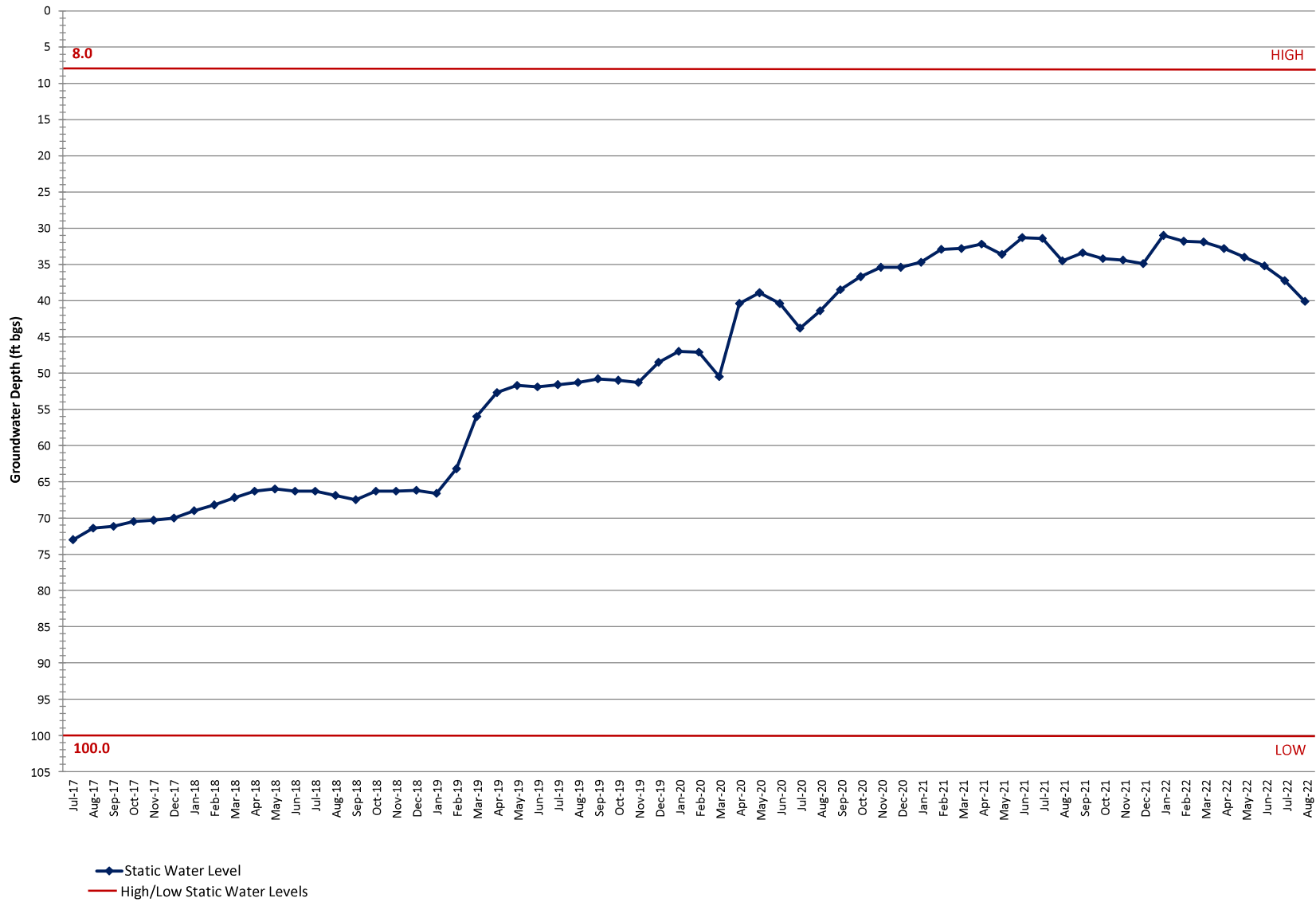
SCV WATER WELL NORTH OAKS CENTRAL #8
STATIC WATER LEVEL



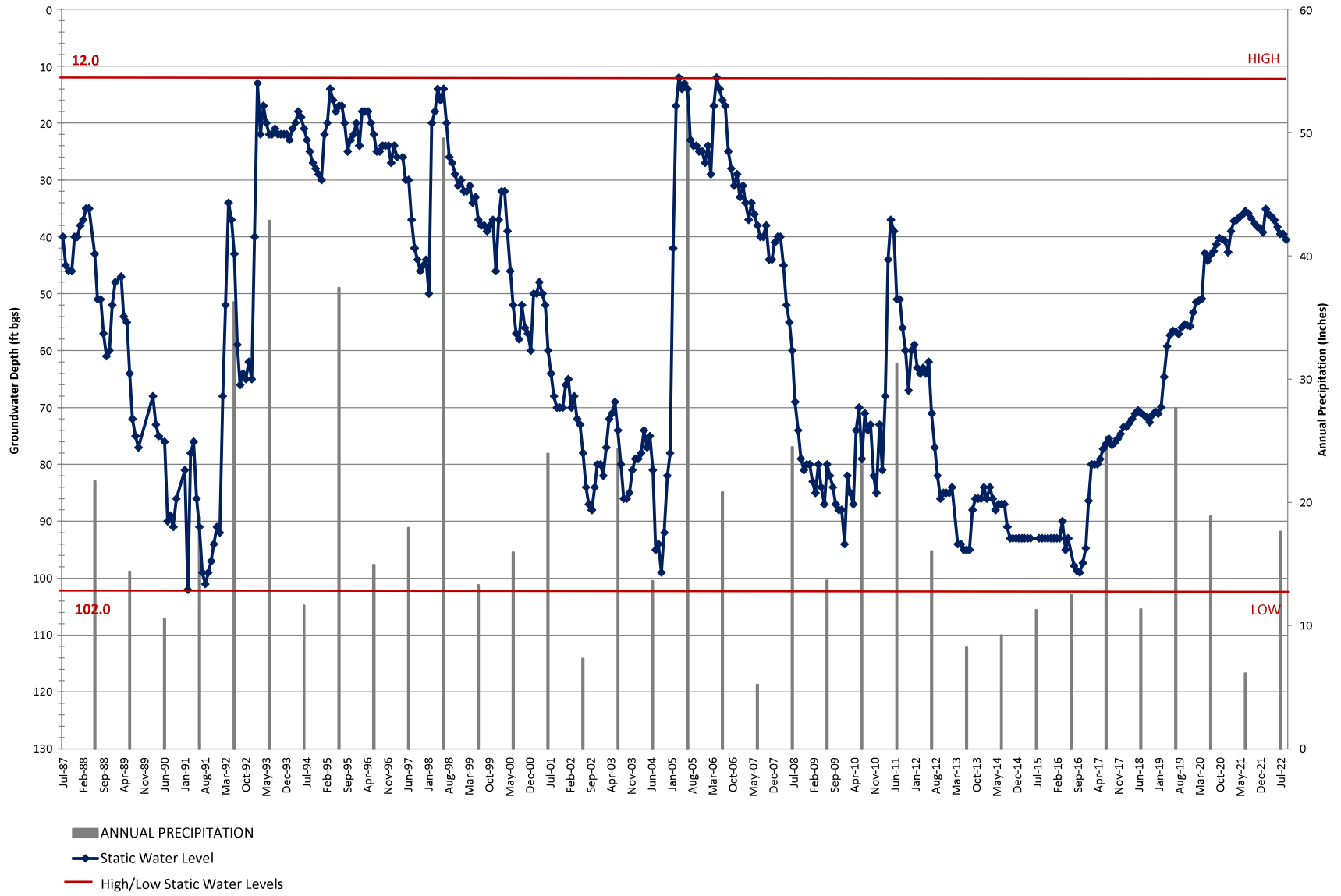
SCV WATER WELL NORTH OAKS WEST #9
 STATIC WATER LEVEL VS PRECIPITATION



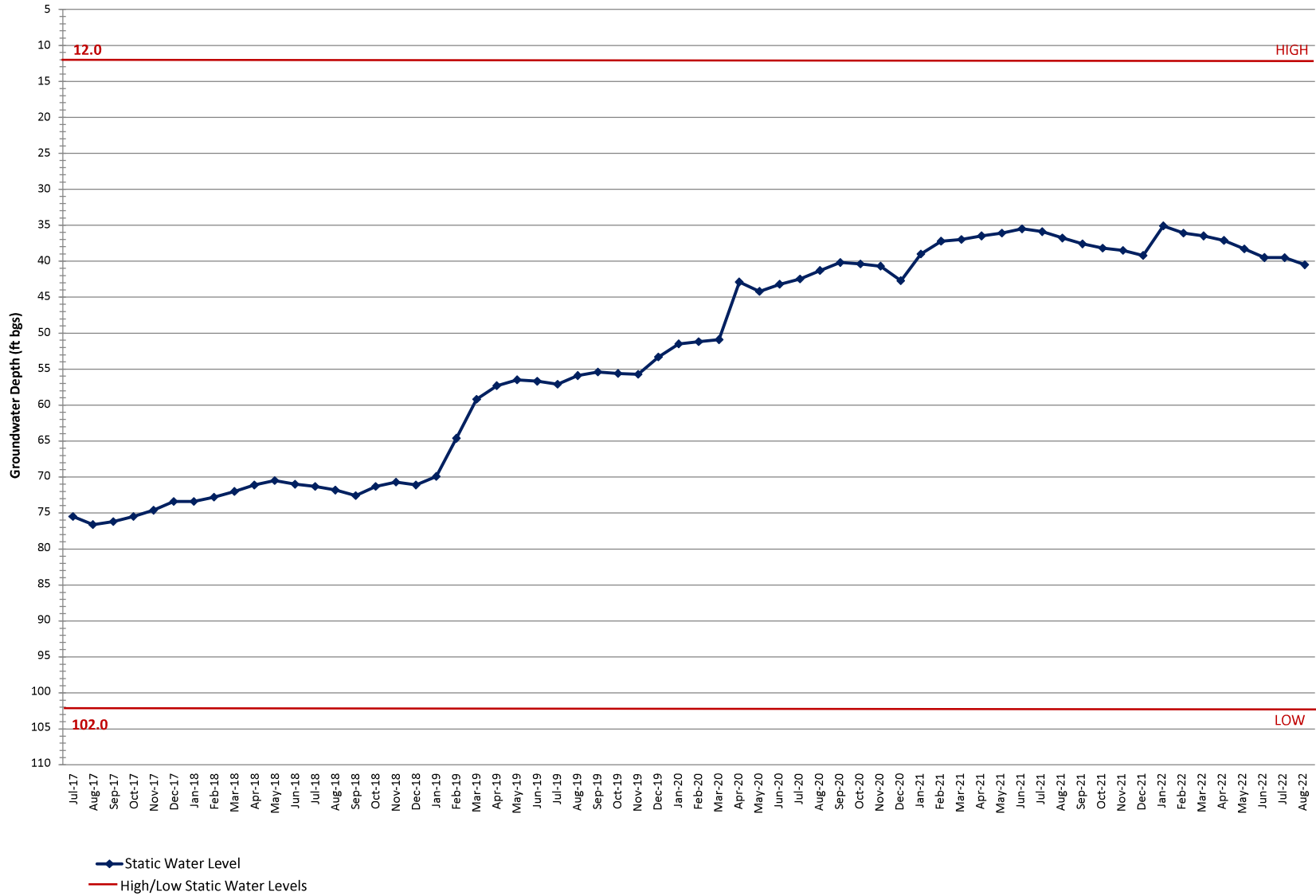
SCV WATER WELL NORTH OAKS WEST #9
STATIC WATER LEVEL



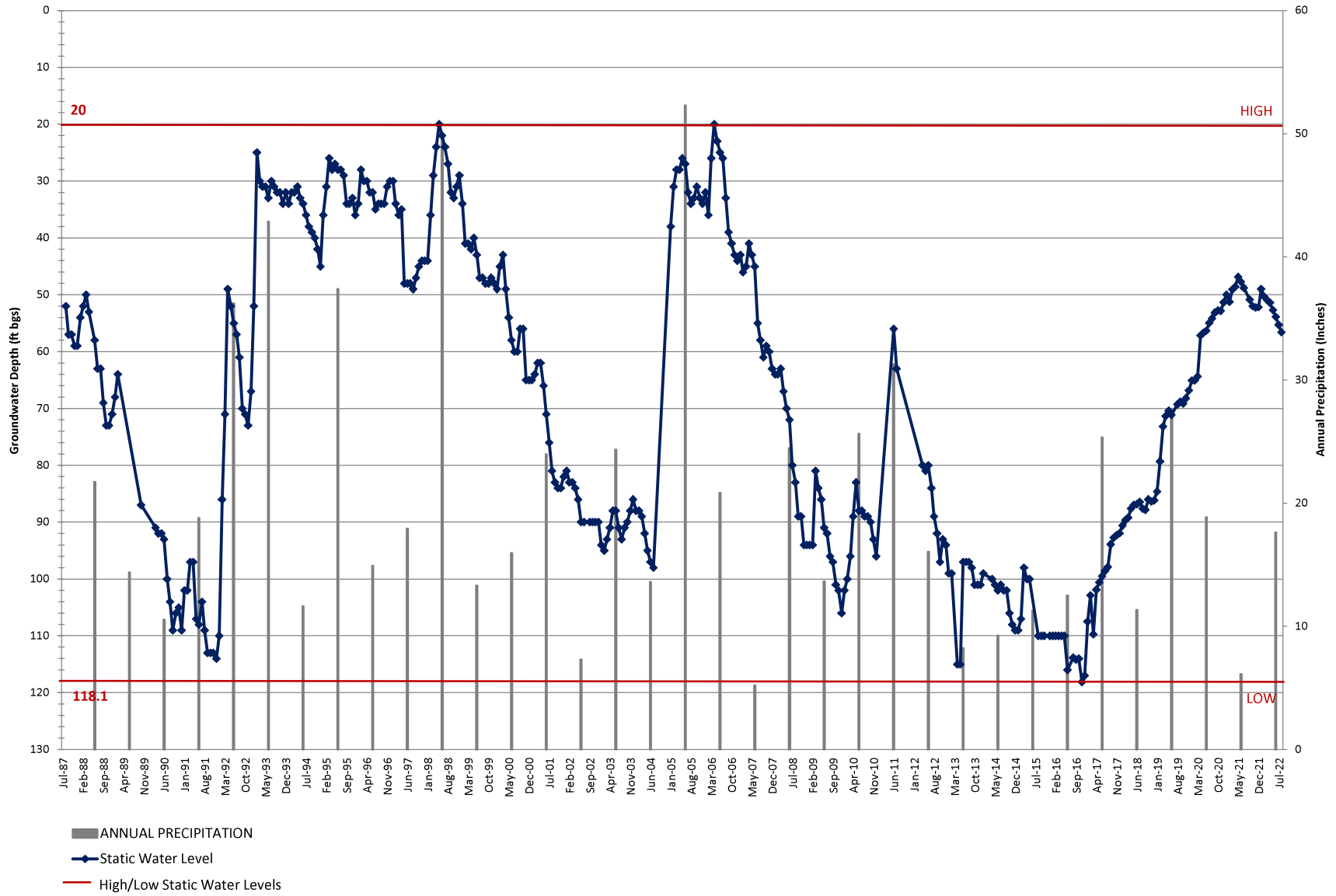
SCV WATER WELL NORTH OAKS EAST #7
 STATIC WATER LEVEL VS PRECIPITATION



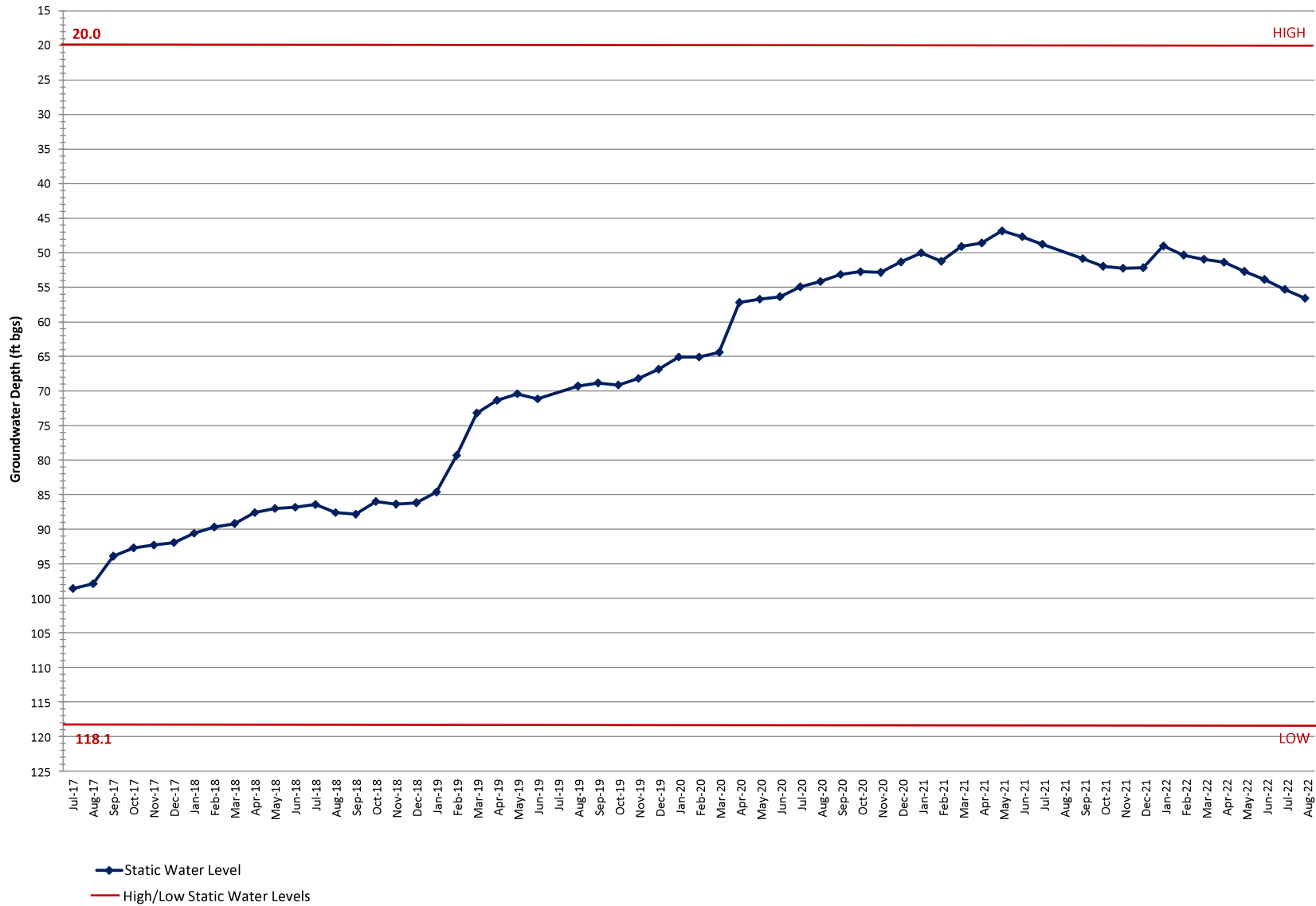
SCV WATER WELL NORTH OAKS EAST #7
 STATIC WATER LEVEL



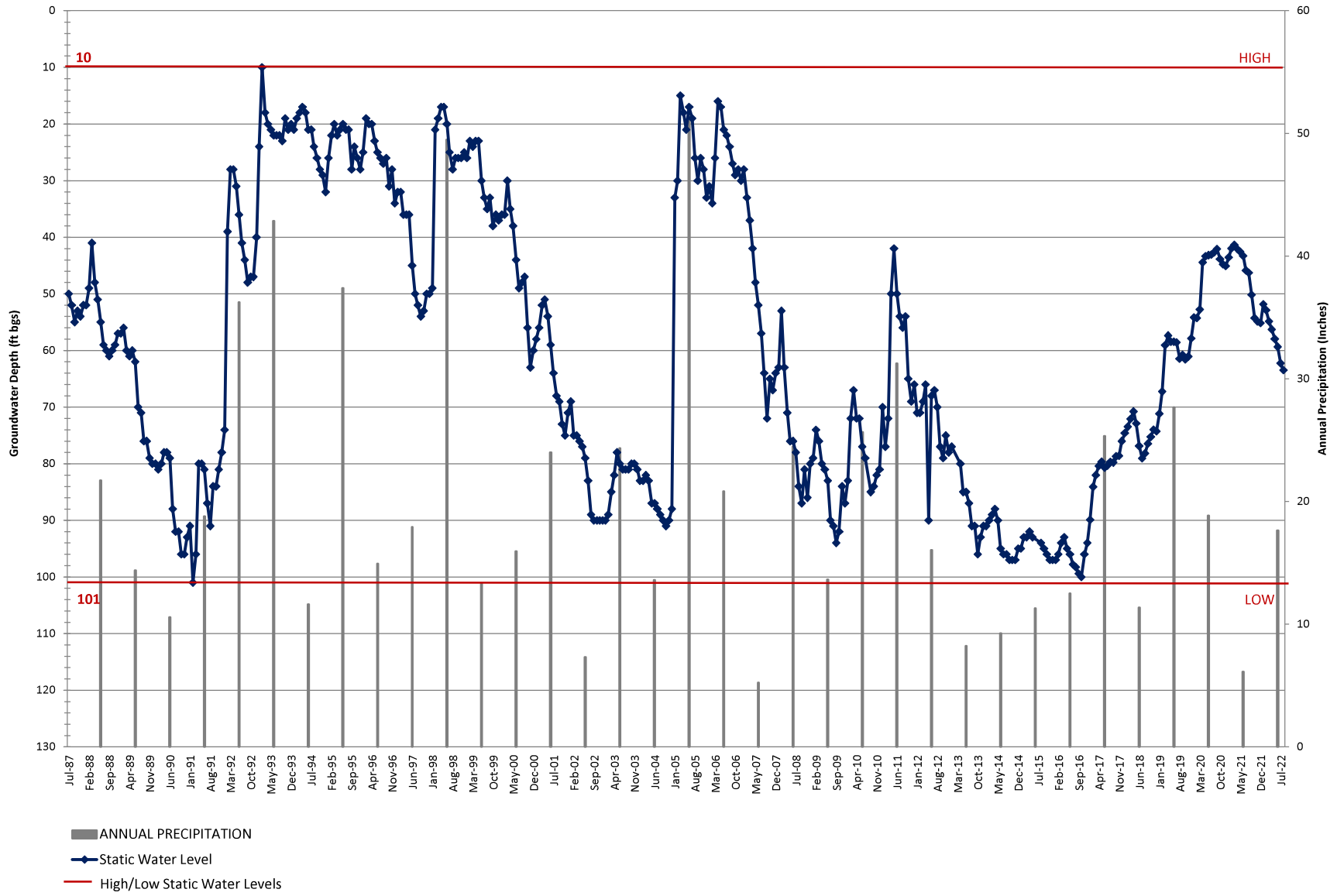
SCV WATER WELL SIERRA #6
 STATIC WATER LEVEL VS PRECIPITATION



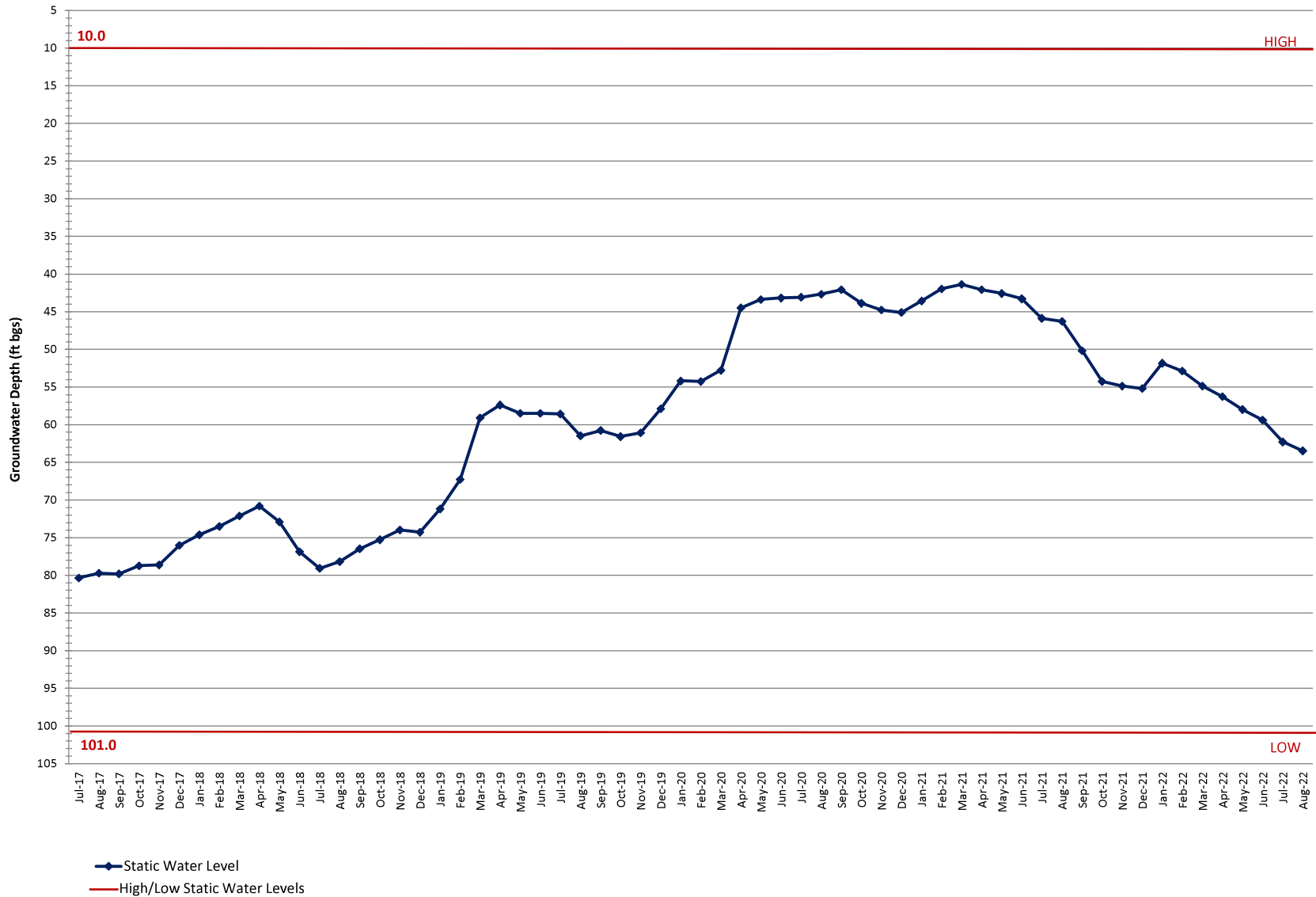
SCV WATER WELL SIERRA #6
STATIC WATER LEVEL



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



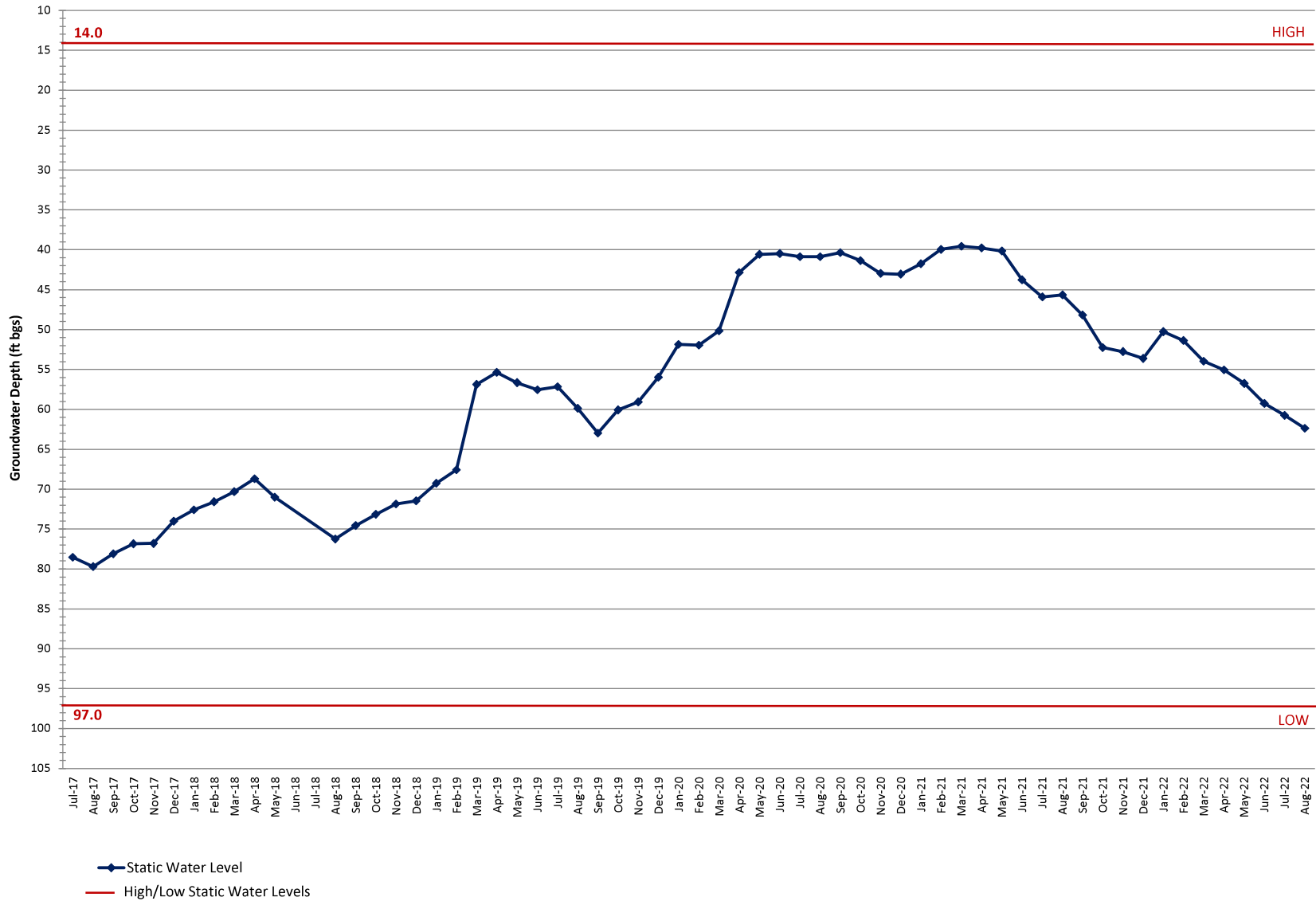
SCV WATER WELL MITCHELL #5A
 STATIC WATER LEVEL



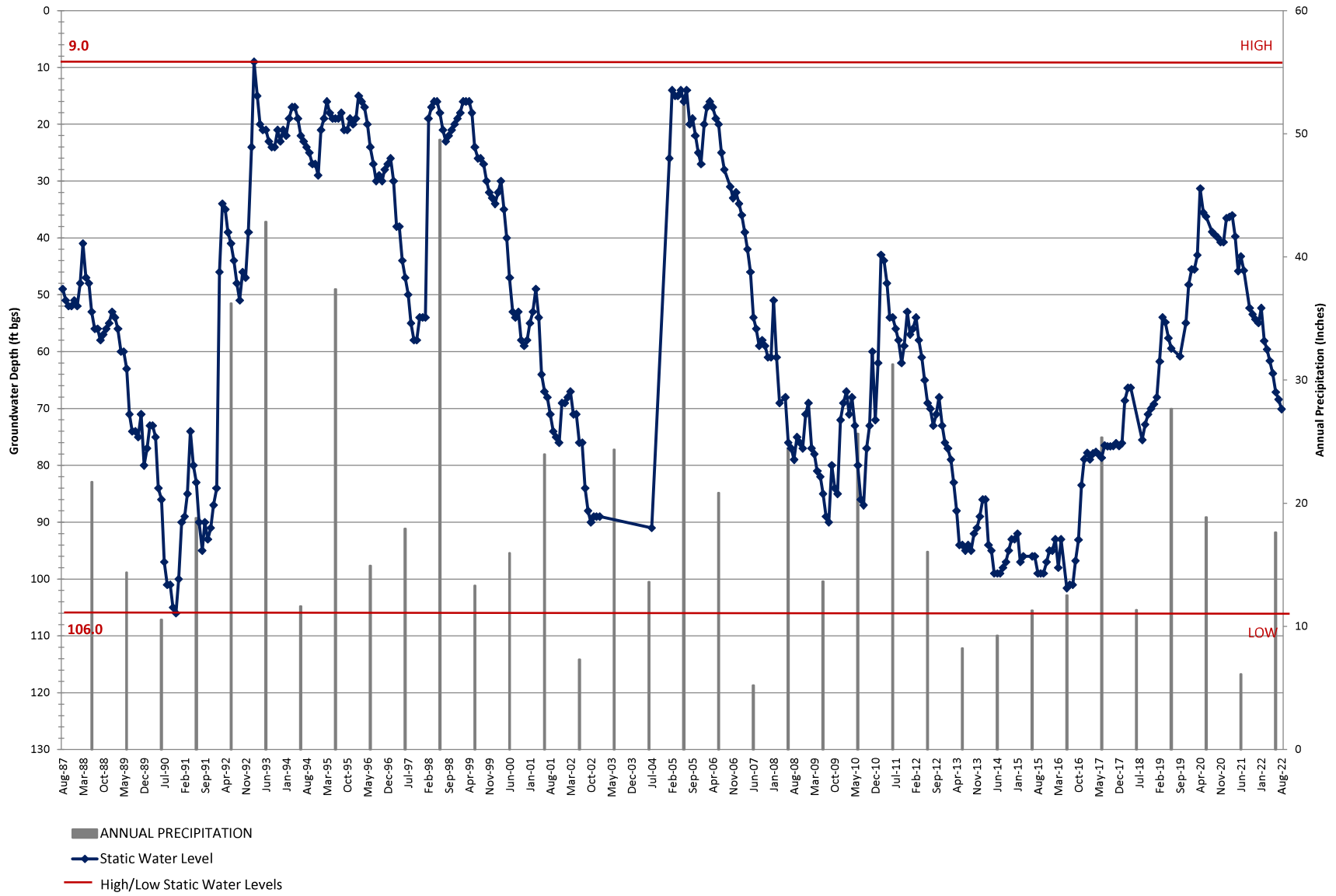
SCV WATER WELL MITCHELL #5B
 STATIC WATER LEVEL VS PRECIPITATION



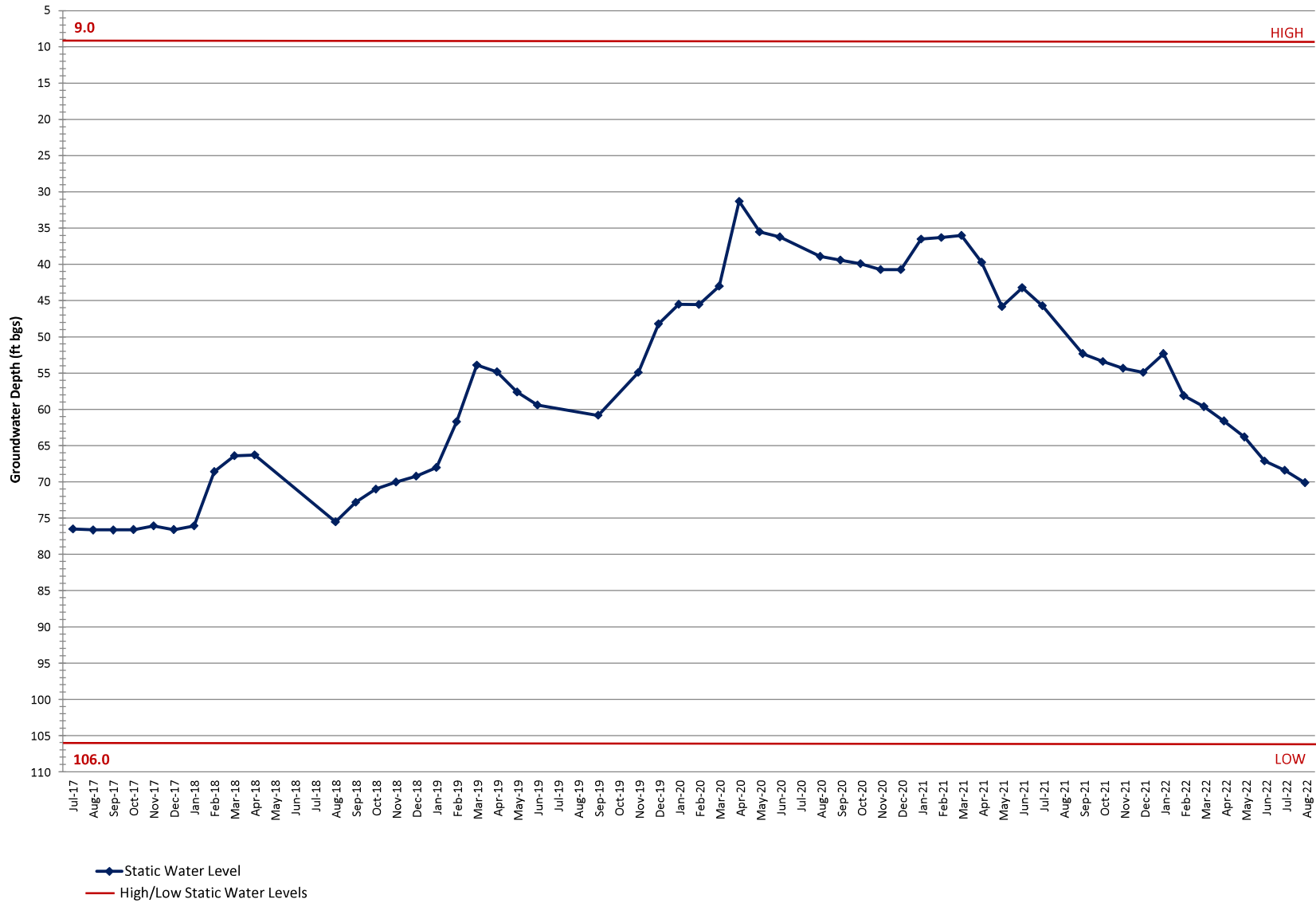
SCV WATER WELL MITCHELL #5B
 STATIC WATER LEVEL



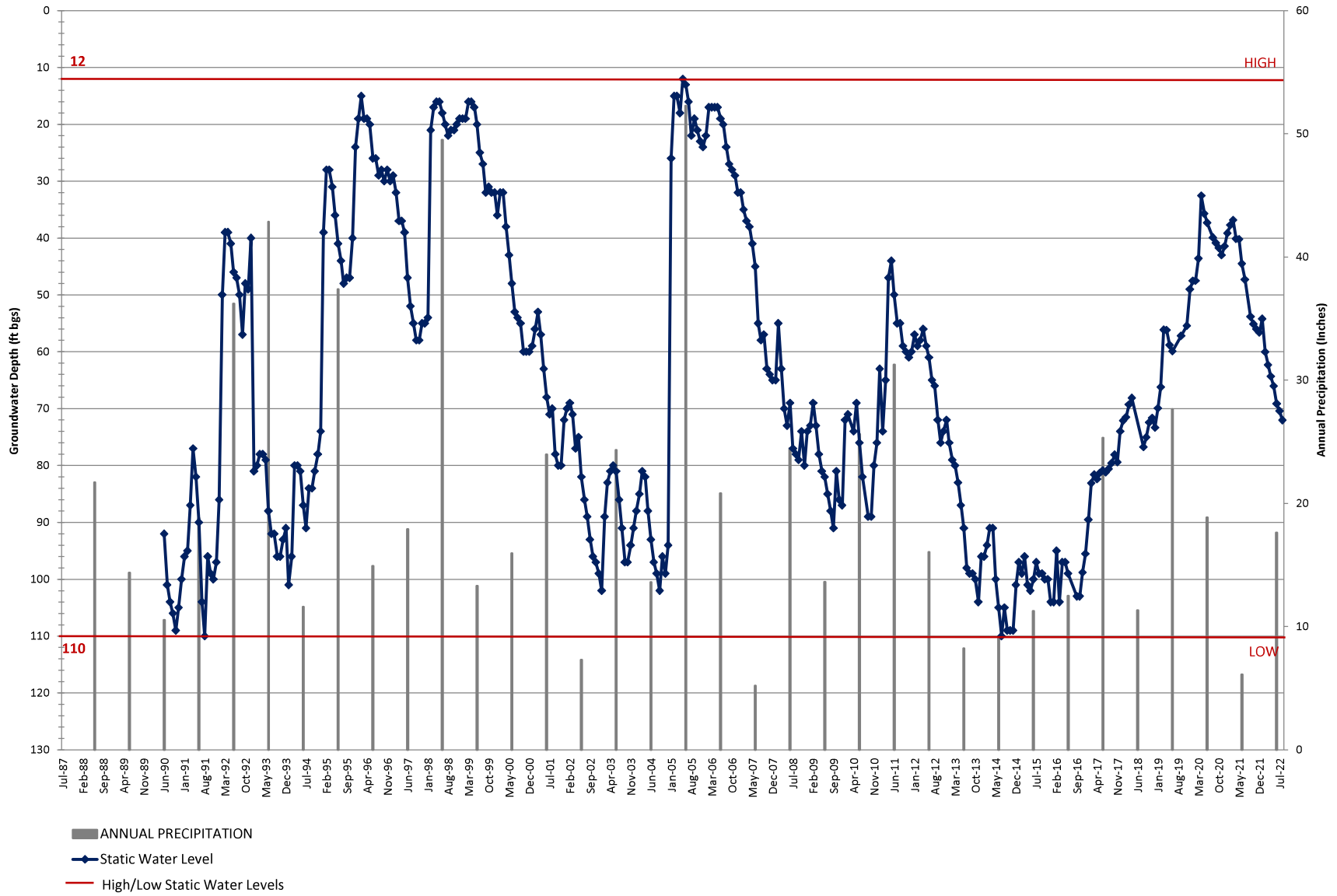
SCV WATER WELL SAND CANYON #3
 STATIC WATER LEVEL VS PRECIPITATION



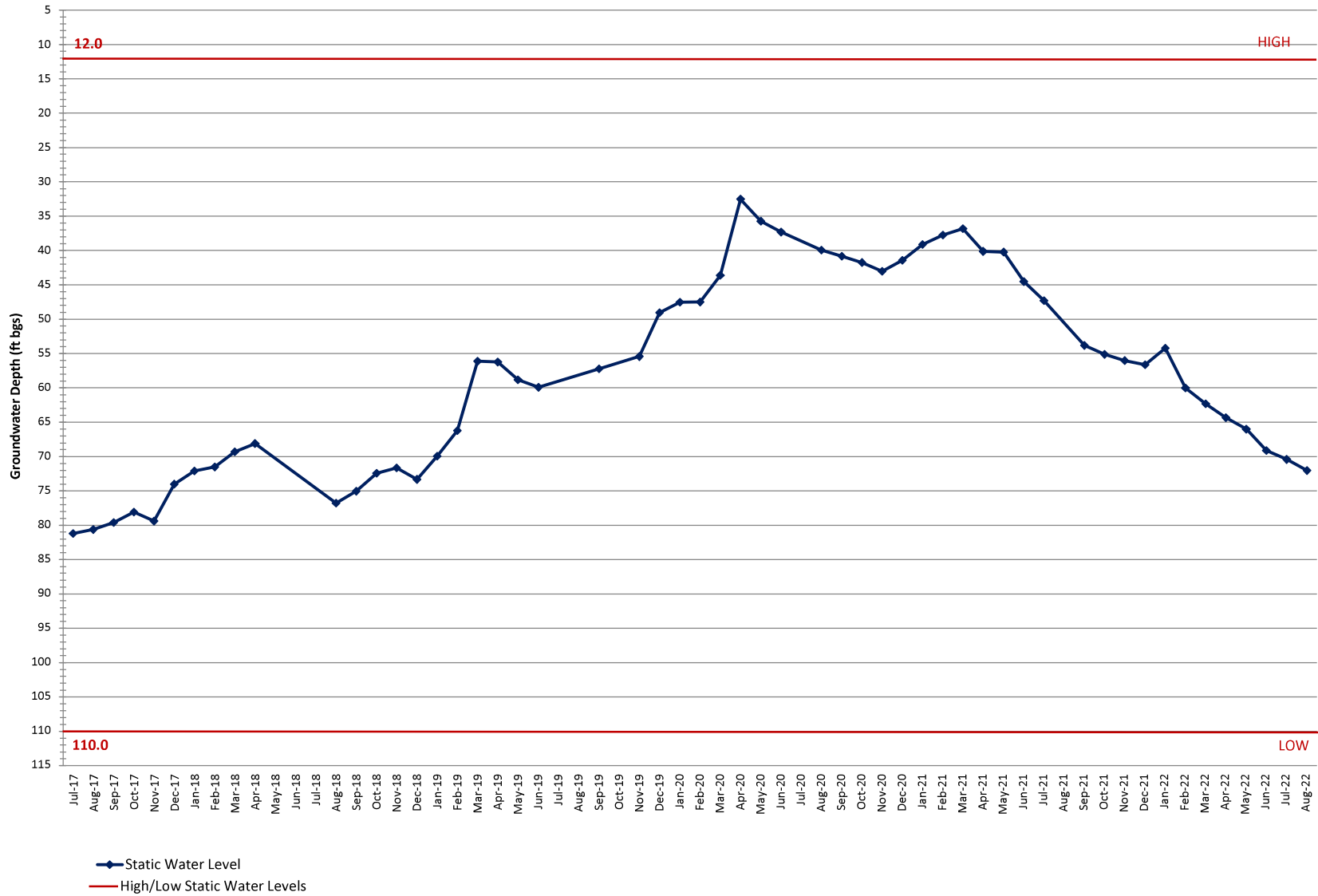
SCV WATER WELL SAND CANYON #3
 STATIC WATER LEVEL



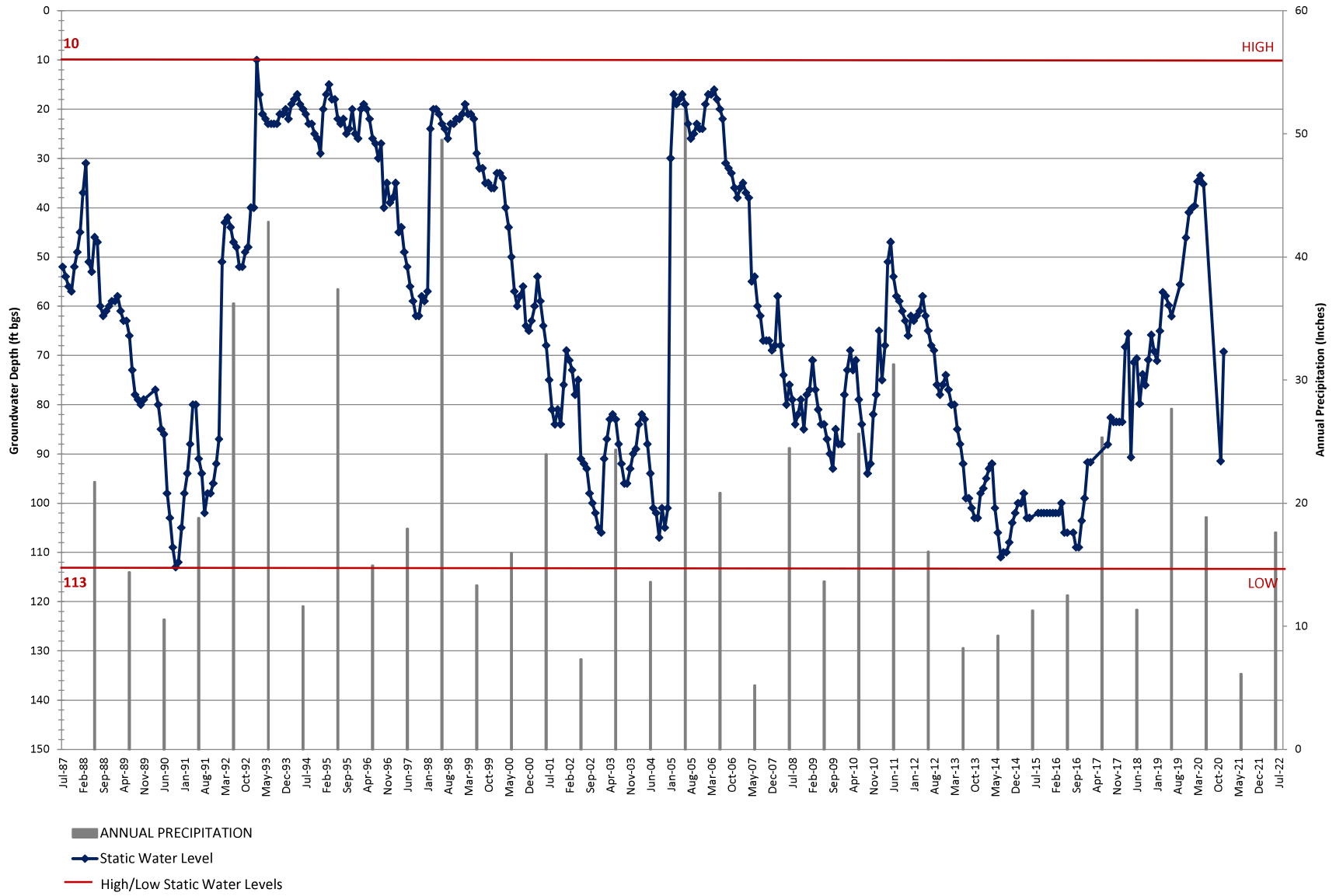
SCV WATER WELL LOST CANYON #2A
 STATIC WATER LEVEL VS PRECIPITATION



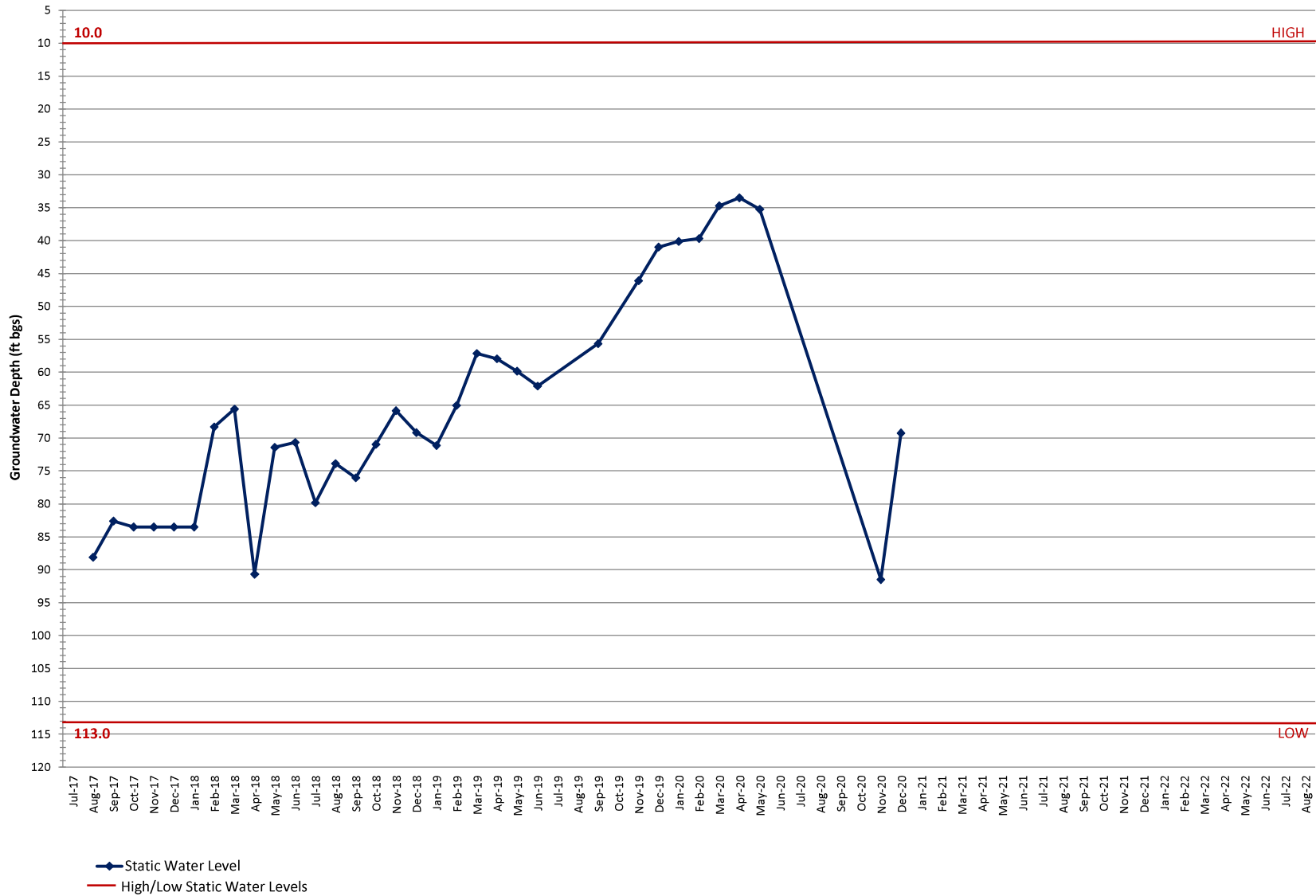
SCV WATER WELL LOST CANYON #2A
 STATIC WATER LEVEL



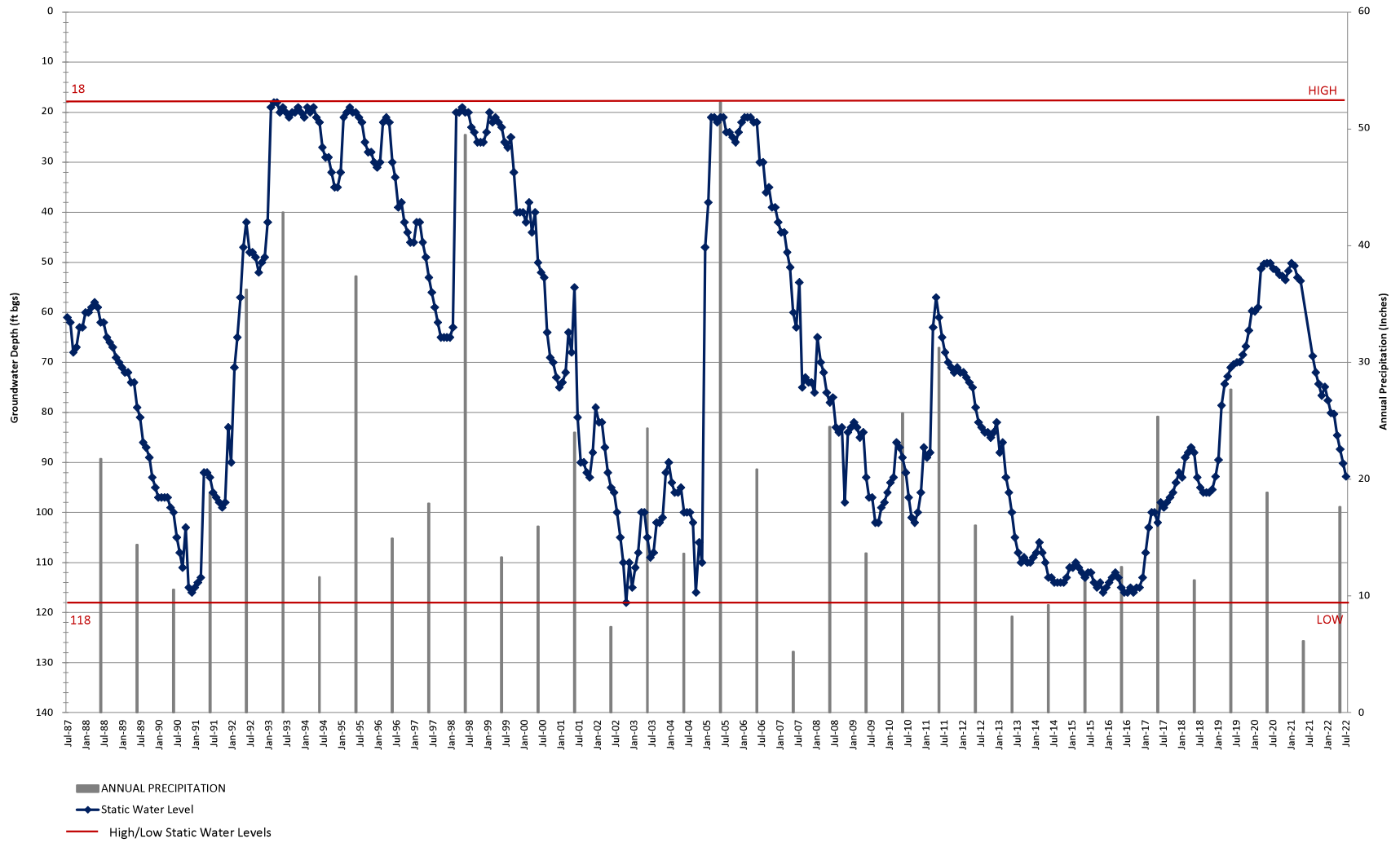
SCV WATER WELL LOST CANYON #2
 STATIC WATER LEVEL VS PRECIPITATION



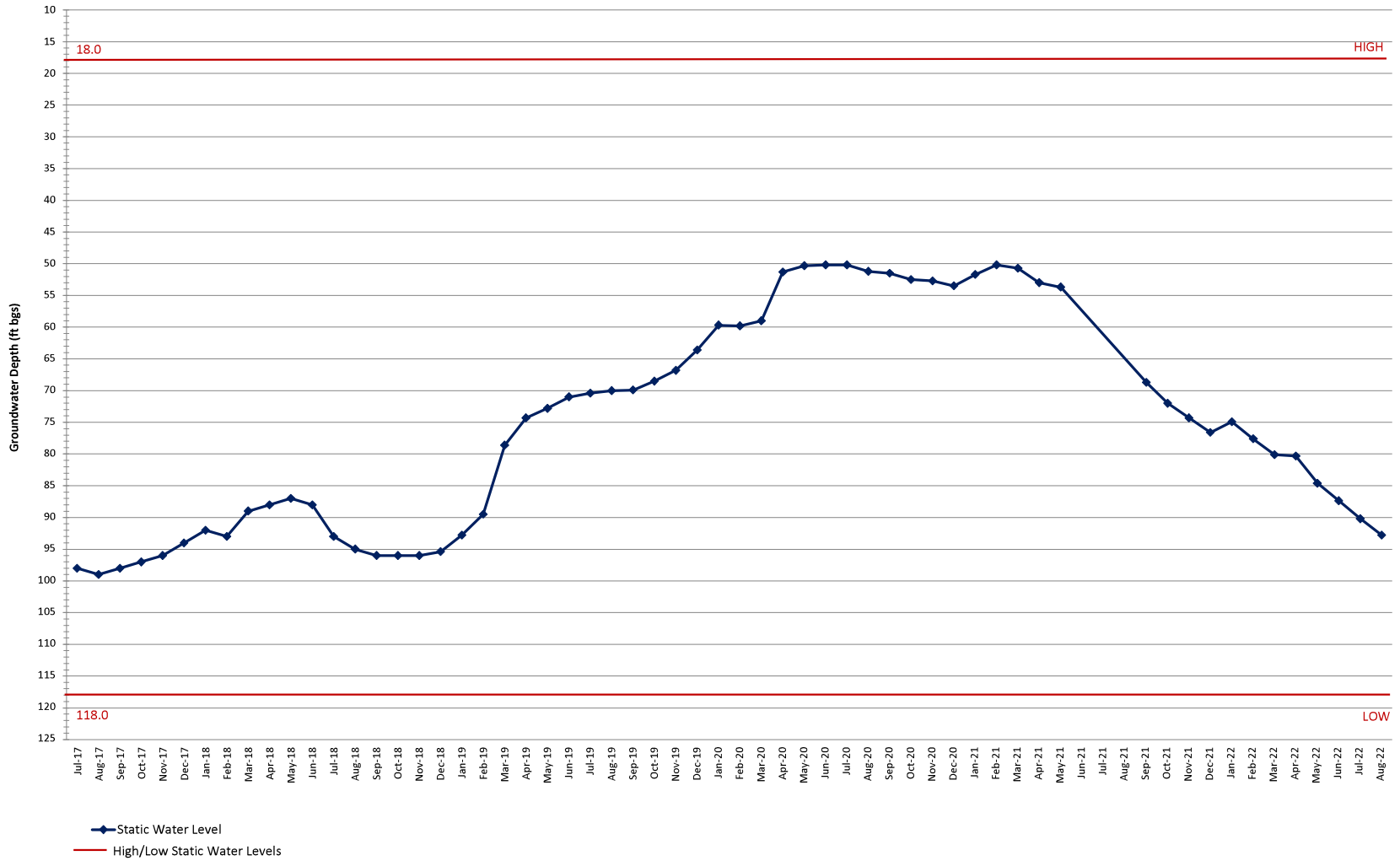
SCV WATER WELL LOST CANYON #2
 STATIC WATER LEVEL



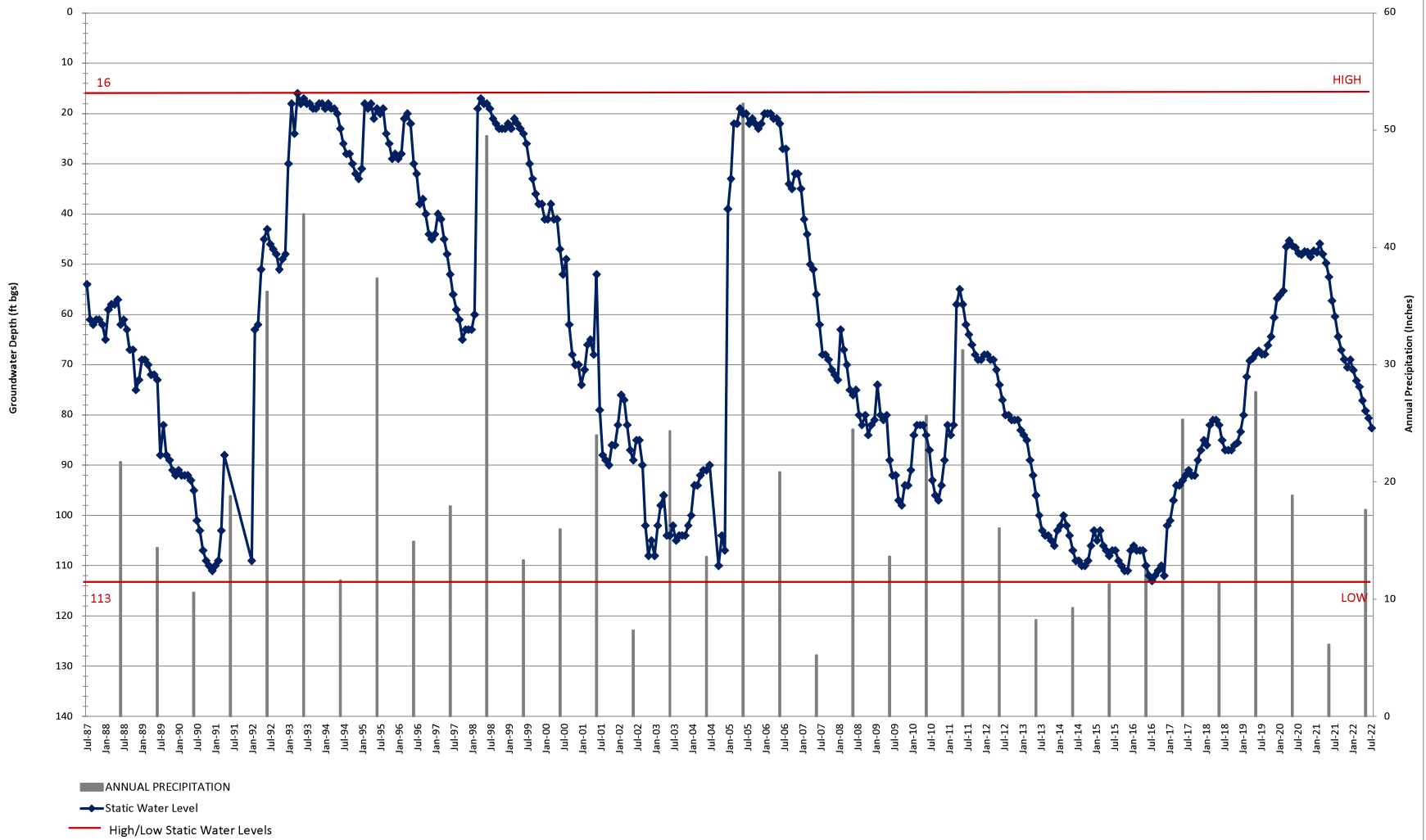
SCV WATER WELL P3
 STATIC WATER LEVEL VS PRECIPITATION



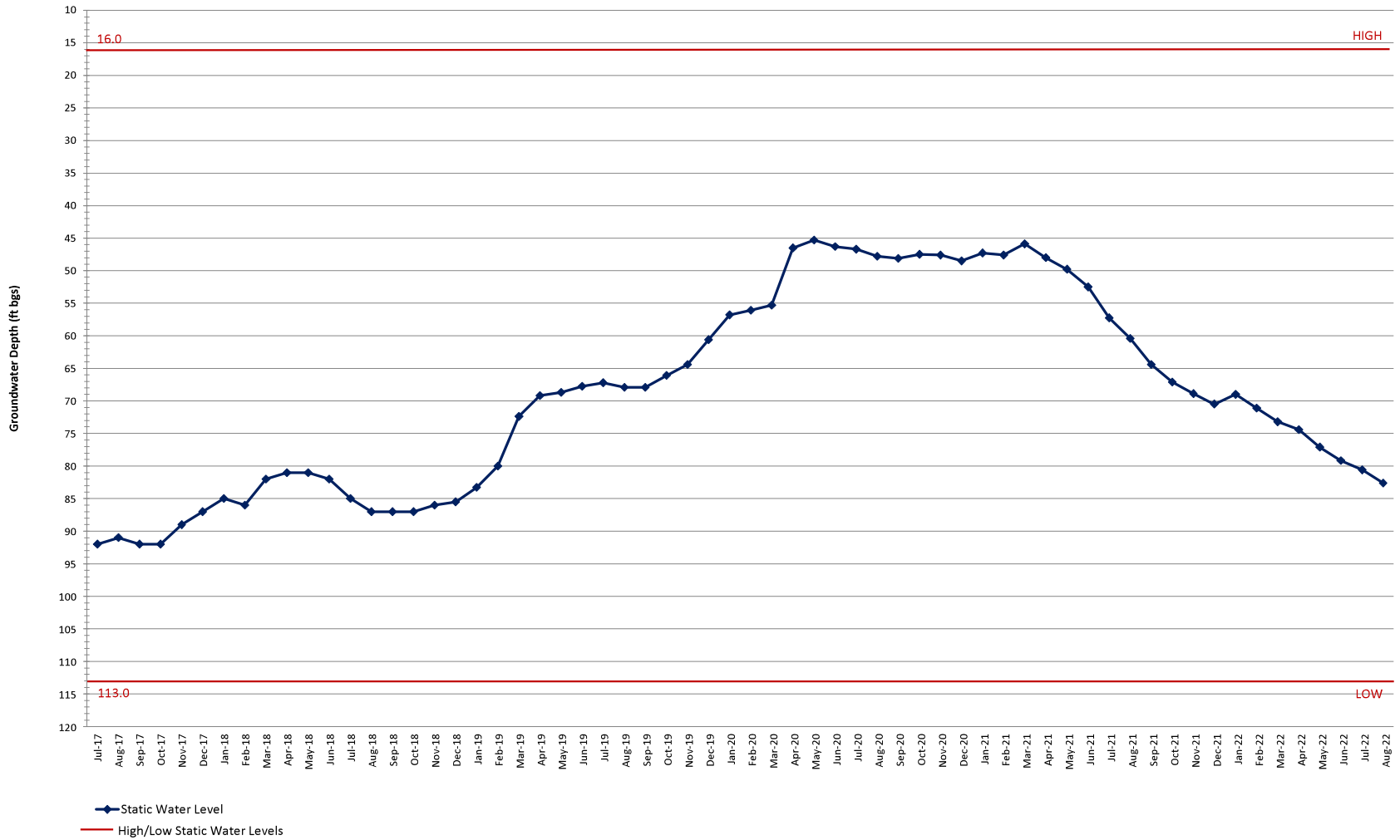
SCV WATER WELL P3
 STATIC WATER LEVEL



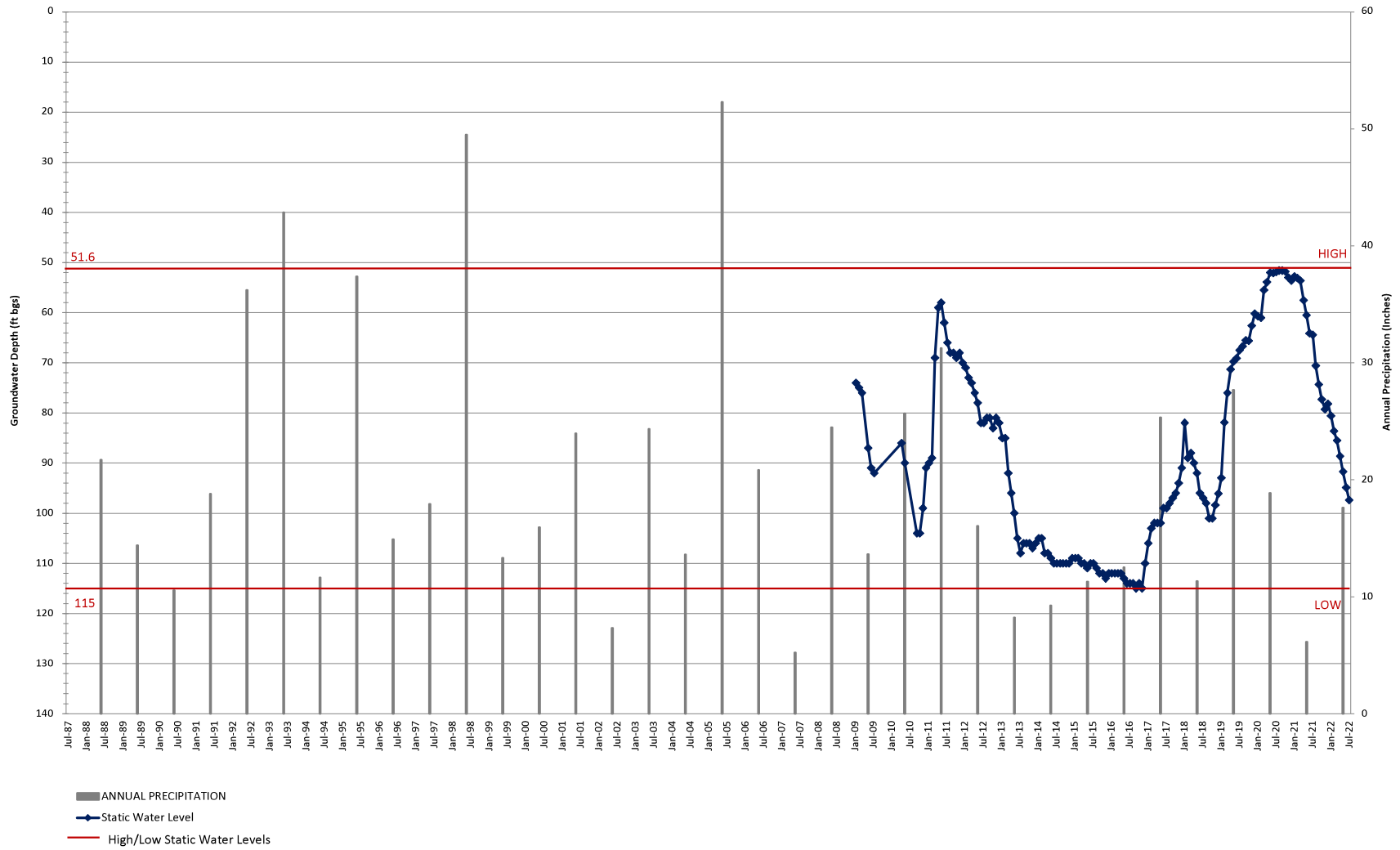
SCV WATER WELL P4
 STATIC WATER LEVEL VS PRECIPITATION



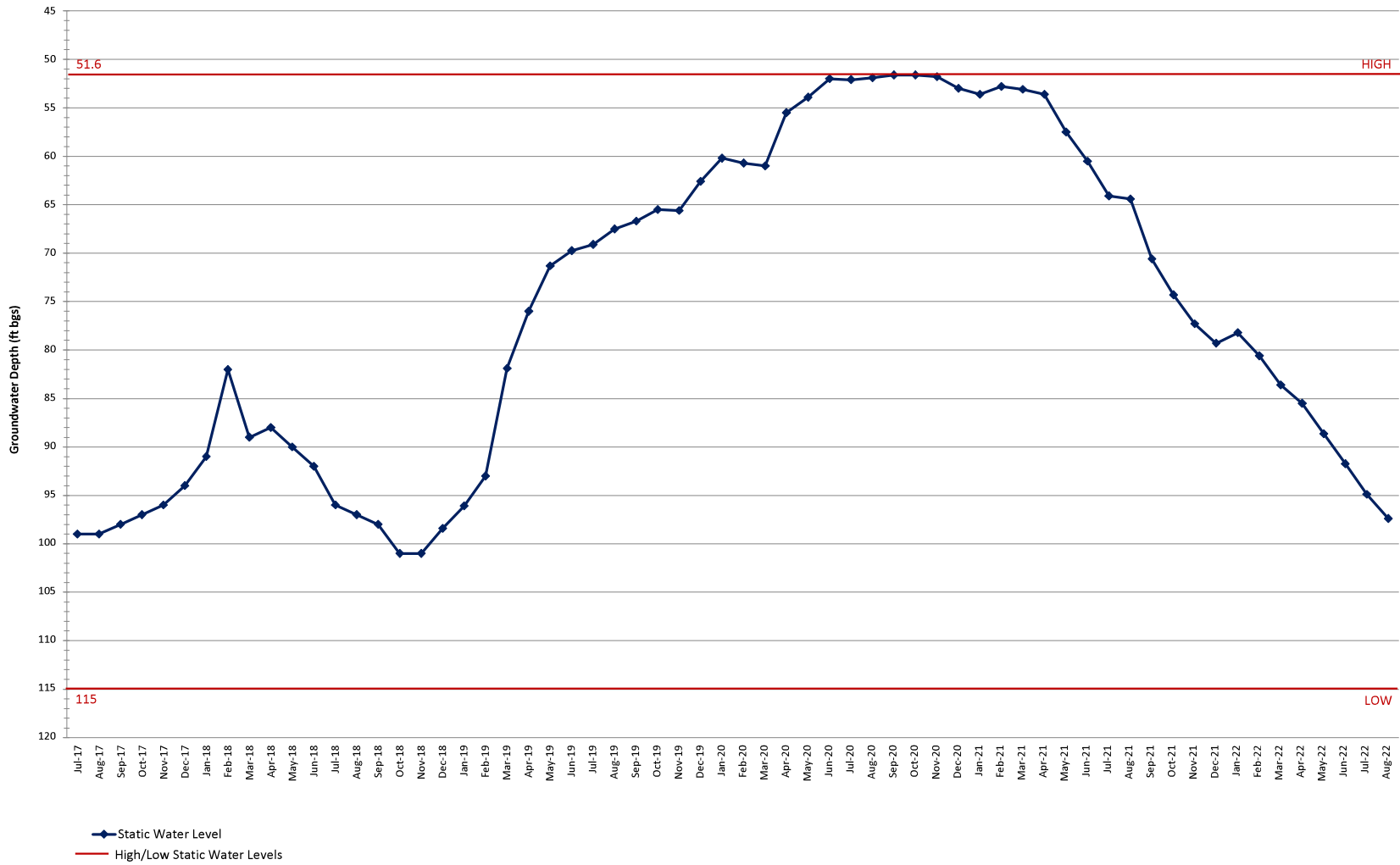
SCV WATER WELL P4
 STATIC WATER LEVEL



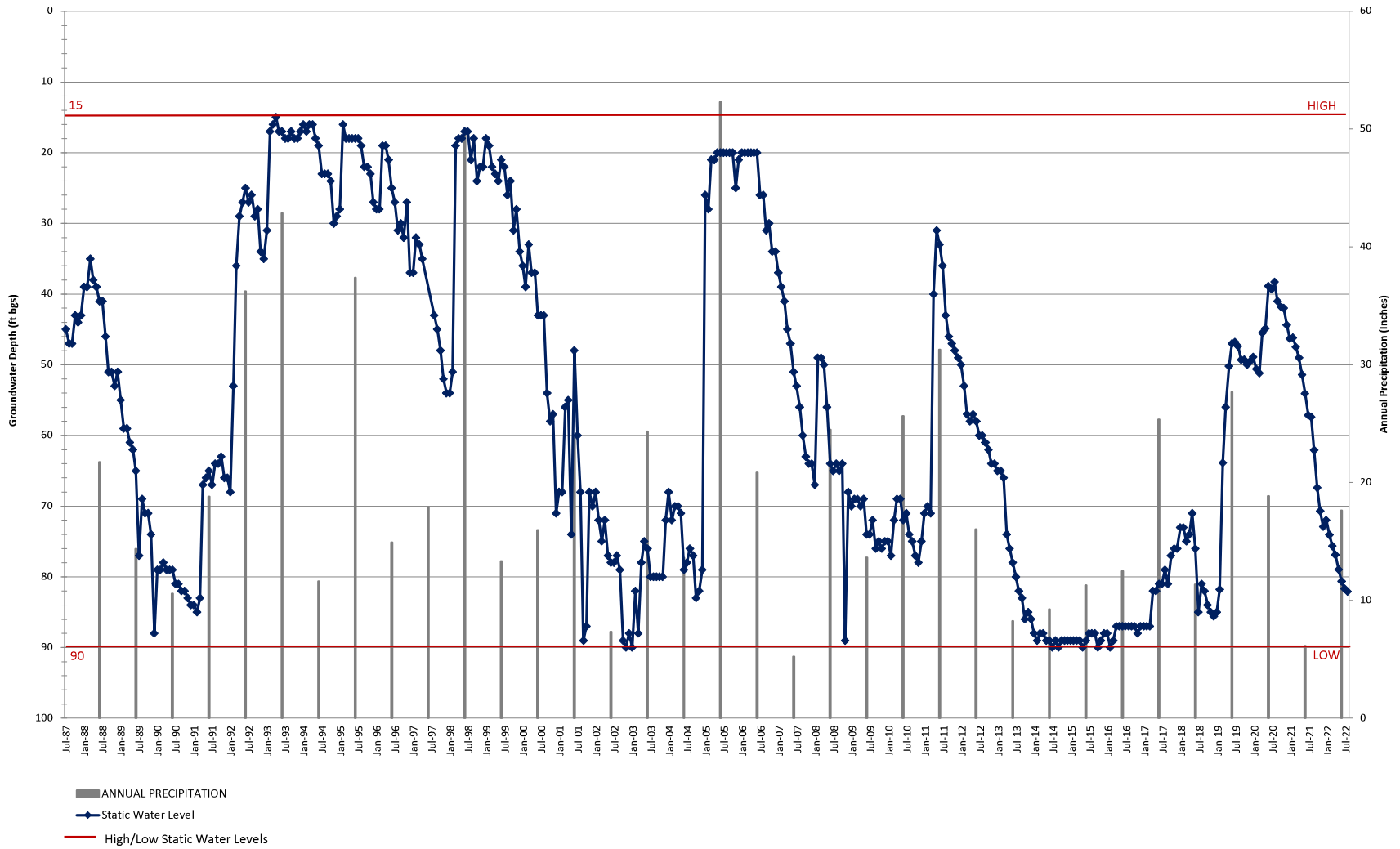
SCV WATER WELL P5
STATIC WATER LEVEL VS PRECIPITATION



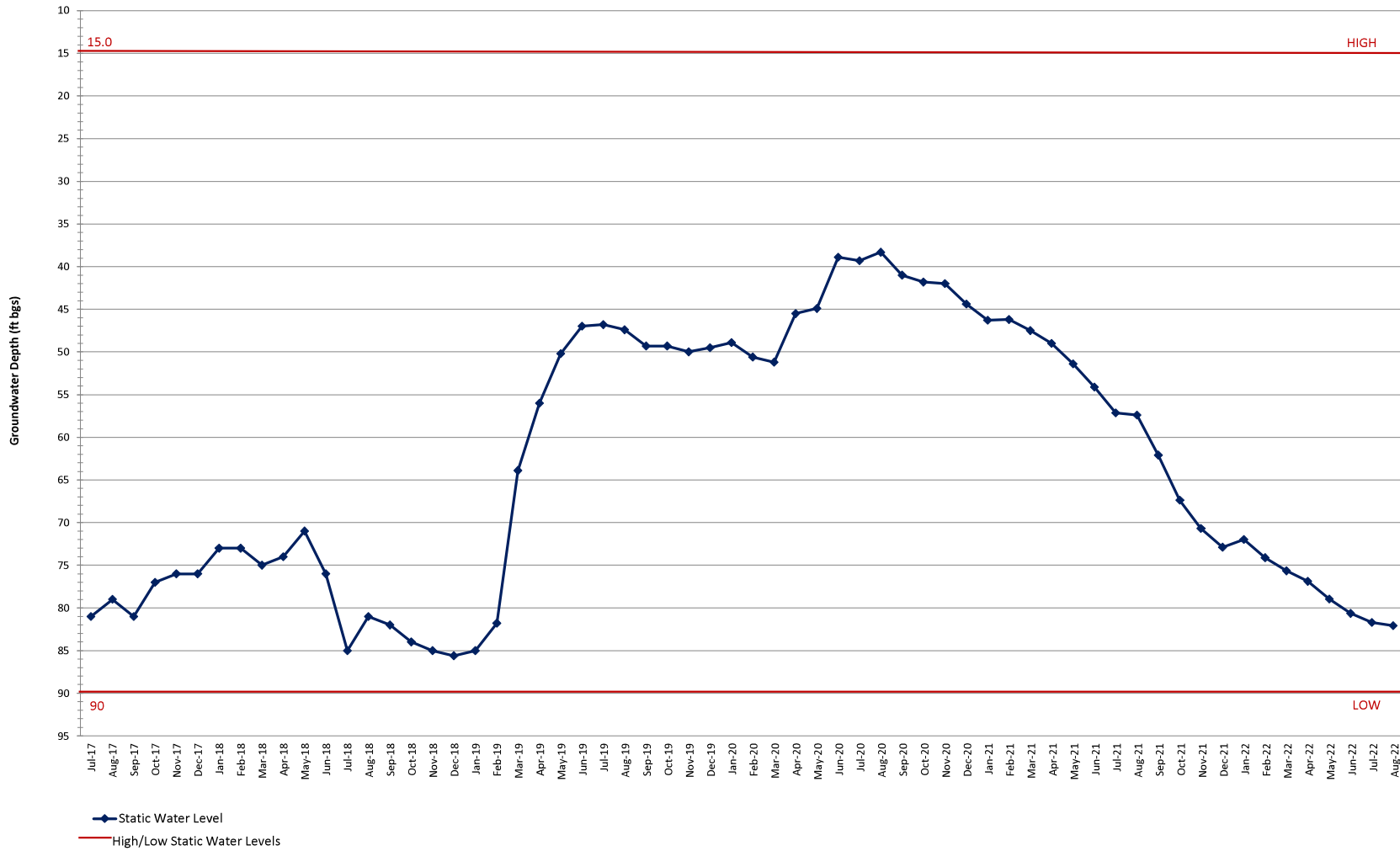
SCV WATER WELL P5
STATIC WATER LEVEL



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 September 15, 2022**

Project	Contractor	Original Contract Amount	Change Orders to Date	% Change Orders	Current Contract Amount	Scheduled Completion	Estimated % of Work Completed	Status
Valley Center Well PFAS Groundwater Treatment Improvements Material Purchase	Evoqua Water Technologies, LLC.	\$512,802	\$0	0%	\$512,802	September 30, 2022	90%	Equipment start-up anticipated to occur in September 2022.
Valley Center Well PFAS Groundwater Treatment Improvements Site Construction	GSE Construction Company, Inc.	\$2,996,800	\$264,653.83	8.8%	\$3,261,453.83	September 30, 2022	98%	Construction is in progress.
Commerce Center Drive Pipeline	FivePoint / Blois Construction, Inc.	\$891,139.70	\$0	0%	\$891,139.70	October 31, 2022	99%	Construction close-out 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 31, 2022	95%	Contractor is installing pipeline across bridge. Owl's nest was removed and will be placed back into opening per California Fish & Wildlife notification once pipeline installation is completed.
Magic Mountain Pipeline Phase 4	FivePoint / Toro Enterprises	\$3,084,725	\$204,934.56	6.6%	\$3,289,659.56	November 30, 2022	98%	Construction is in progress.
Magic Mountain Pipeline Phase 5	FivePoint / Toro Enterprises	\$3,269,978.85	\$0	0%	\$3,269,978.85	November 30, 2022	90%	Construction is in progress.
Magic Mountain Pipeline Phase 6B	FivePoint / Leatherwood Construction	\$4,568,687.07	\$0	0%	\$4,568,687.07	November 30, 2022	90%	Construction is in progress.
Vista Canyon (Phase 2B) Recycled Water Tanks	Pacific Tank and Construction, Inc.	\$3,906,870	\$379,838.76	9.78%	\$4,286,708.76	November 30, 2022	90%	Construction is in progress.

Project	Contractor	Original Contract Amount	Change Orders to Date	% Change Orders	Current Contract Amount	Scheduled Completion	Estimated % of Work Completed	Status
Magic Mountain Pipeline Phase 6A	FivePoint / Toro Enterprises	\$7,168,844.85	\$0	0%	\$7,168,844.85	December 31, 2022	83%	Construction is in progress.
Saugus #3 & #4 Wells Construction (Replacement Wells)	Zim Industries, Inc.	\$12,751,494	\$0	0%	\$12,751,494	June 2, 2023	1%	Well drilling permit obtained. Drill rig to be setup 9/5.
Santa Clara & Honby Wells PFAS Groundwater Treatment Improvements Material Purchase	Aqueous Vets	\$814,050	\$0	0%	\$814,050	August 15, 2023	25%	Material fabrication is in progress.
Santa Clara & Honby Wells PFAS Groundwater Treatment Improvements Site Construction	Pacific Hydrotech Corporation	\$8,486,950	\$0	0%	\$8,486,950	August 15, 2023	1%	Material submittals are in progress.
ESFP Washwater Return Improvements	Pacific Hydrotech Corporation	\$17,526,700	\$0	0%	\$17,526,700	November 30, 2023	6.5%	Construction is in progress.
Pitchess Pipeline Modifications	Los Angeles County Metropolitan Transportation Authority	\$159,000	\$0	0%	\$159,000	May 2024	0%	Pipeline modifications scheduled to start February 2024.

**Engineering and Operations Committee
Planning Calendar
FY 2022/23**

**ITEM NO.
8**

	Item	PowerPoint Presentation (Y/N/Length)	July 7 Comm	July 19 Board	Aug 2 Board	Aug 4 Comm	Aug 16 Board	Sept 1 Comm	Sept 6 Board	Sept 20 Board	Oct 4 Board	Oct 6 Comm	Oct 18 Board	Nov 1 Board	Nov 3 Comm	Nov 15 Board	Dec 6 Board	Dec 8 Comm	Dec 20 Board	Jan 3 Board	Jan 5 Comm	Jan 17 Board	Feb 2 Comm	Feb 7 Board	Feb 21 Board	March 2 Comm	March 7 Board	March 21 Board	April 4 Board	April 6 Comm	April 18 Board	May 2 Board	May 4 Comm	May 16 Board	Jun 1 Comm	June 6 Board	June 20 Board	July 4 Board			
1	Monthly Committee Planning Calendar	None																																							
2	CIP Construction Status Report	None	C	C																																					
3	Monthly Operations and Production Report	None	C																																						
4	Third Party Funded Agreements Quarterly Report	None																																							
5	Quarterly Safety Program Presentation	Yes 15 min				C																																			
6	Real Property Activity Report	Yes 10 min						C																																	
7	Annual Safety Program Update (FY 21-22)	Yes 15 min							C																																
8	Chapter 8 Agreement Properties	Yes 10 min																																							
9	Review Proposed FY 2023/24 Major Capital Projects	Yes 15 min																																							
10	Recommend Approval of (1) a Resolution for Construction Contract with Pacific Hydrotech Corporation and (2) a Purchase Order to Hazen and Sawyer for Engineering Services During Construction and (3) a Purchase Order to MWH Constructors for Construction Management and Inspection Services for the Santa Clara and Honby Wells PFAS Groundwater Treatment Project	Yes 10 min	C	C																																					
11	Recommend Approval of Authorizing SCV Water to Execute a Quitclaim Deed – Partial Release of Easement to Wal-Mart Real Estate Business Trust	Yes 10 min	C	C																																					
12	Recommend Authorization for the General Manager to Execute a Purchase Order Amendment to Kennedy Jenks for Additional Engineering Services During Construction and a Purchase Order Amendment to MNS Engineers for Additional Construction Management and Inspection Services for the Valley Center Well PFAS Groundwater Treatment Project	Yes 10 min	C	C																																					
13	Recommend Approval to Authorize General Manager to Enter into Agreement with TerraVerde Energy for Long-Term Operation/Preventative Maintenance of the Agency's Photovoltaic Assets	Yes 10 min	C	C																																					
14	Central Park Lease Informational Presentation	Yes 10 min	C		C																																				
15	Recommend Approval of a Resolution Authorizing a Purchase Order to Kennedy/Jenks Consultants for Inspection Planning Services for the Castaic Conduit Pipeline Reaches 3 & 4 Project	Yes 10 min	C		C																																				
16	Recommend Approval of a Resolution Authorizing a Purchase Order to Hazen & Sawyer for Planning Services for the Master Plan Project	Yes 10 min	C		C																																				
17	Recommend Approval of a Resolution Adopting Initial Study-Mitigated Negative Declaration Under the California Environmental Quality Act and a Resolution Authorizing a Purchase Order to Kennedy/Jenks Consultants for Final Design Services for the Well 205 Groundwater Treatment Project	Yes 10 min	C		C																																				
18	Surplus Land Act Informational Presentation	Yes 10 min			C																																				
19	Recommend Approval of a Purchase Order to Civiltex, Inc. for Change Order No. 1 for Final Design Services for New Deane Zone Tank at Sand Canyon Plaza – Design Prestressed Concrete Tank Instead of Welded Steel Tank	Yes 10 min				C				C																															
20	Wireless Communications Rental Program Informational Presentation	Yes 10 min							C																																
21	Recommend Authorizing the General Manager to Execute a Contract with TriPointe Homes Holdings, Inc. for SCV Water's Fair Share Costs for the Construction of a 2.08 MG Prestressed Concrete Tank for the Deane Zone, including Construction Quality Assurance and Control Testing, Construction Inspections, and Engineering Services During Construction	Yes 10 min								C		C																													
22	Recommend Approval of Technical Revision to the Board of Directors Policies and Procedures Regarding General Manager Authority to Transfer Easements	Yes 10 min										P	P																												
23	Recommend Approval of a Contract to Conduct a Pilot-Scale Evaluation of Four Alternative Adsorbents for PFAS Removal from SCVWA Groundwater	Yes 15 min										P		P																											

C = Completed Item
P = Planned Item
T = Tentative

**Engineering and Operations Committee
Planning Calendar
FY 2022/23**

	Item	PowerPoint Presentation (Y/N/Length)	July 7 Comm	July 19 Board	Aug 2 Board	Aug 4 Comm	Aug 16 Board	Sept 1 Comm	Sept 6 Board	Sept 20 Board	Oct 4 Board	Oct 6 Comm	Oct 18 Board	Nov 1 Board	Nov 3 Comm	Nov 15 Board	Dec 6 Board	Dec 8 Comm	Dec 20 Board	Jan 3 Board	Jan 5 Comm	Jan 17 Board	Feb 2 Comm	Feb 7 Board	Feb 21 Board	March 2 Comm	March 7 Board	March 21 Board	April 4 Board	April 6 Comm	April 18 Board	May 2 Board	May 4 Comm	May 16 Board	Jun 1 Comm	June 6 Board	June 20 Board	July 4 Board			
24	Recommend Approval of a Resolution for a Construction Contract with Paso Robles Tank for the Newhall Tanks 1 and 1 A – Tank Upgrades Project	Yes 10 min										T		P																											
25	Recommend Approval of Construction of a New Deane Zone Pump Station at Skyline Ranch and Cost Sharing Agreement with Developer	Yes 10 min													P	P																									
26	Recommend Approval of Resolution Authorizing SCV Water to Execute Water Service Agreements with the Los Angeles Residential Community and Lily of the Valley Mobile Village	Yes 10 min													P	P																									
27	Woodside Quitclaim	Yes 10 min													P	P																									
28	COC Quitclaim	Yes 10 min													P	P																									
29	Recommend Approval of Resolution Awarding Construction Contract for Pipeline to Los Angeles Residential Community	Yes 10 min													P	P																									
30	Recommend Approval of Construction of New Sand Canyon Plaza (Deane Zone) Pump Station and Cost Sharing Agreement with Developer	Yes 10 min													P	P																									
31	Recommend Approval of a Resolution Authorizing a Purchase Order to Lee and Ro for Planning Services for the Catala Pump Station and Pipelines Project	Yes 10 min																	P	P																					
32	Recommend Approval to Fund Contractor Change Orders in Excess of Approved 10% Contingency, for the Phase 2B Recycled Water Tanks	Yes 10 min																	P	P																					
33	Recommend Authorization for the General Manager to Execute a Purchase Order Amendment for Additional Design Services for Saugus Wells 3 & 4 Project	Yes 10 min																	P	P																					
34	Recommend Approval of Resolution Adopting an Addendum to the EIR and Awarding a Purchase Order for Final Design Services for Backcountry Pump Station	Yes 10 min																	P	P																					
35	Recommend Approval of Resolution Adopting an Addendum to the EIR and Awarding a Purchase Order for Final Design Services for Backcountry Reservoir	Yes 10 min																	P	P																					
36	Recommend Approval of Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for the Well 201 Groundwater Treatment Project	Yes 10 min																	P	P																					
37	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	Yes 10 min																			P			P																	
38	Recommend Approval of Resolution Awarding Construction Contract and Purchase Order for Construction Management and Inspection Services for Dickason Drive 14" PVC Replacement	Yes 10 min																			P			P																	
39	Recommend Approval of Resolution to Adopt the Mitigated Negative Declaration and MMRP, and award final engineering contract for the S Wells PFAS Treatment and Disinfection Project	Yes 10 min																					P																		
40	Recommend Adopting a Resolution Authorizing the General Manager to Execute a Reimbursable Agreement with the City of Santa Clarita for the Sierra Highway Bridge Expansion Water Pipelines Protection Project	Yes 10 min																					P																		
41	Recommend Approval of Resolution Awarding a Purchase Order for Final Design Services for Honby Tank Pipeline Improvements	Yes 10 min																					P																		

C = Completed Item
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October 6, 2022

SCVWA New Meter Standard Operations Procedure

Engineering and Operations
Committee Meeting

Water Meters

Potable Meter



Recycled Meter



Legacy Meter Process

Past administration of this process required a system of paperwork and interoffice mail between four different departments:

- Engineering
- Inspection
- Field Customer Service
- Customer Care

SCV WATER
Clarita Valley Water Agency

Meter Installation Form

Date: 09-07-2021 Certificate No. 0201

To: Theresa Whalley Work Order: VWD 6759

From: Simone King Project: TM 61105-15 F5b PH 2

Demo Code: CF# 21-0099 Account #

A.P.N. No. 2826-184-002 (General APN-Now APN TBD) No. of Units: 1

WR Code: UNIT: 1 ZONE: IIA

Location: 26823 Pathfinder Ln

Lots: 33

	Number of Meters	Meter Size	Meter #	Recorder/AMR#
Domestic	1	1"		
Landscape				
Commercial				
Fire Service				

Meter Manufacturer: Back Flow Required Meter Install Only Residential Fire Requirements

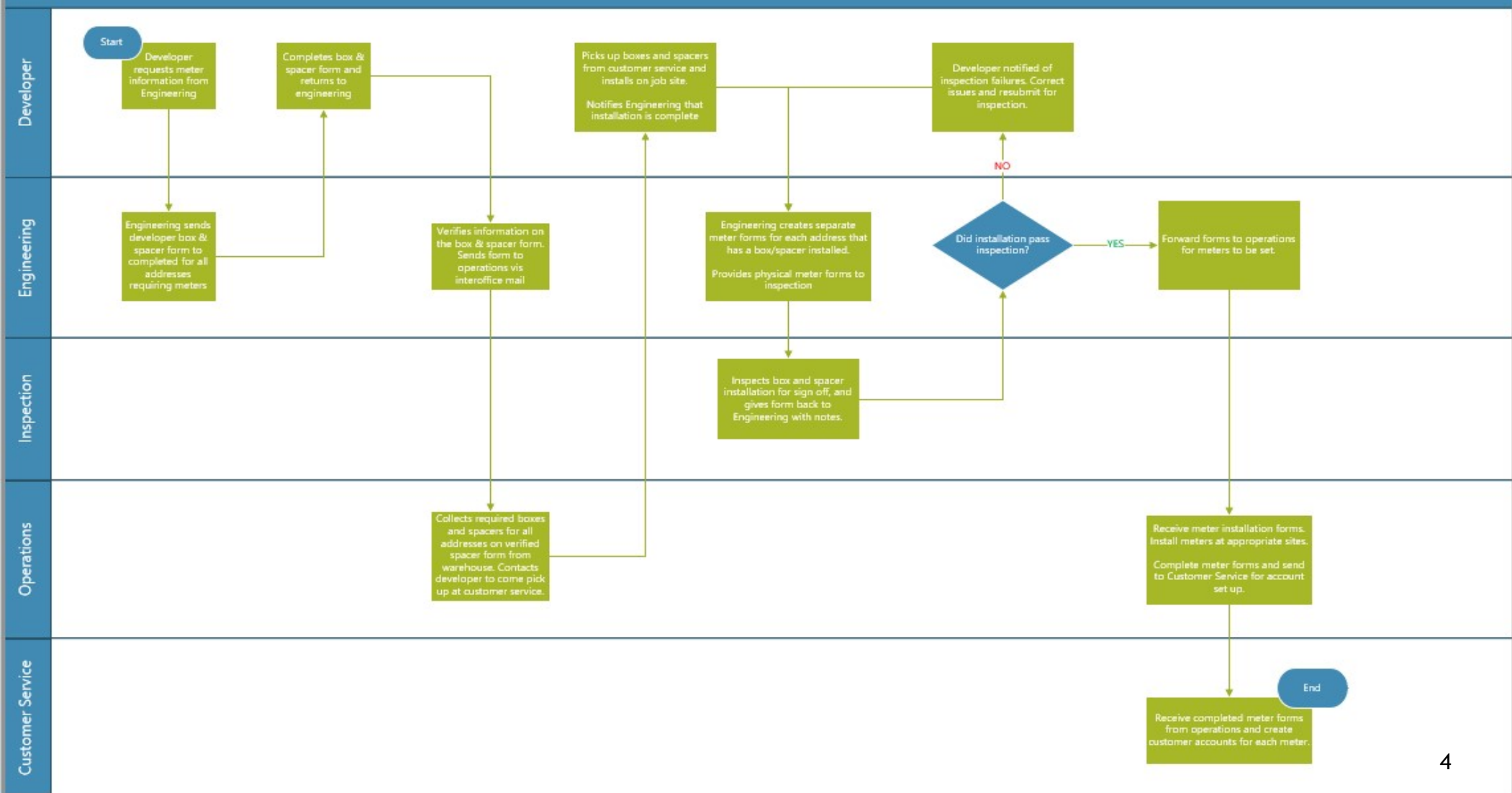
Eng. Tech: Simone King

Inspected By: _____ Date: _____

Installed By: _____ Date: _____

YOURSCVWATER.COM

Legacy Meter Process



Goals & Approach

Goals

- Move to digital documentation for efficient record keeping
- Streamline communication between departments
- Reduce the amount of time it takes from meter request to activation
- Ensure all Agency requirements are met by developer/customer before meters are released
- Eliminate Spacers
- Reduce costs

Approach

- Analyze department requirements and existing workflows for funding, documenting/process, installing and activating meters



PROCORE™

CLOUD-BASED CONSTRUCTION SOFTWARE

Procore is a project management software with a centralized dashboard that allows users to handle project details, schedule tasks, and view progress. Procore is already utilized by the Agency to manage all Developer & CIP projects under construction. It has improved the meter process by allowing us to:

- Manage workflow between developer and different Agency departments
- Centralize data management & communications by improving data accessibility with real-time updates on all meter related activities
- Easily extract data - automated workflows and spreadsheet generations
- Improve accountability





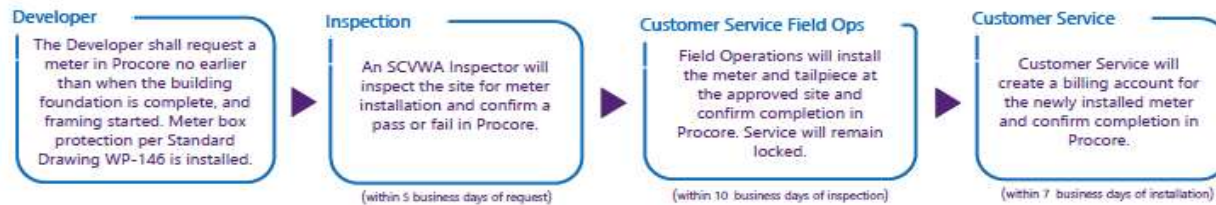
New Meter Request Process

Before the meter installation and activation process can commence, the following prerequisites must be completed by the Developer:

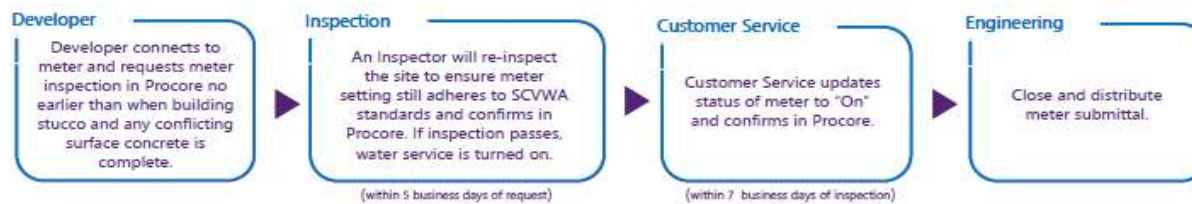
- Facility Capacity Fees (FCF)
- Certificate of Compliance
- Materials & Labor SOW (funding)
- Project Tract Map recorded with LA County
- Project is installed, tested, and active
- Project Punchlist is complete
- Close-Out Documents
 - As-Built & Record Drawings
 - As-Built Survey Data
 - Final Geotechnical/Compaction Report
 - Easements (if applicable)

Email newmeterrequest@scvwa.org for assistance.

Meter Installation Process



Meter Activation Process



Phase 1: Prerequisites



New Meter Request Process

Before the meter installation and activation process can commence, the following prerequisites must be completed by the Developer:

- Facility Capacity Fees (FCF)
- Certificate of Compliance
- Materials & Labor SOW (funding)
- Project Tract Map recorded with LA County
- Project is installed, tested, and active
- Project Punchlist is complete
- Close-Out Documents
 - As-Built & Record Drawings
 - As-Built Survey Data
 - Final Geotechnical/Compaction Report
 - Easements (if applicable)

Email newmeterrequest@scvwa.org for assistance.

YOURSCVWATER.COM



Phase 2: Meter Installation

Meter Installation Process

Developer

The Developer shall request a meter in Procore no earlier than when the building foundation is complete, and framing started. Meter box protection per Standard Drawing WP-146 is installed.

Inspection

An SCVWA Inspector will inspect the site for meter installation and confirm a pass or fail in Procore.

(within 5 business days of request)

Customer Service Field Ops

Field Operations will install the meter and tailpiece at the approved site and confirm completion in Procore. Service will remain locked.

(within 10 business days of inspection)

Customer Service

Customer Service will create a billing account for the newly installed meter and confirm completion in Procore.

(within 7 business days of installation)



Phase 3: Meter Activation

Meter Activation Process

Developer

Developer connects to meter and requests meter inspection in Procore no earlier than when building stucco and any conflicting surface concrete is complete.

Inspection

An Inspector will re-inspect the site to ensure meter setting still adheres to SCVWA standards and confirms in Procore. If inspection passes, water service is turned on.

(within 5 business days of request)

Customer Service

Customer Service updates status of meter to "On" and confirms in Procore.

(within 7 business days of inspection)

Engineering

Close and distribute meter submittal.



Project Meter Closeout

- Facility Capacity Fee Documents & Certificate of Compliance
- Schedules for Meter Installations
- Overall Address Lists
- Location-Index Maps
- Agreements (SOW or Meter Deposit Letter)
- SCV Water Standards
- Spread Sheets

COMPLETED



Conclusion

- All information is now in real time and is available at the fingertips of all personnel
- Busy administrative notifications and filing has now been automated
- Reduce costs and improve turnaround times for customers
- All while improving communications and accountability of all parties involved



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