



SCV
WATER

ENGINEERING AND OPERATIONS COMMITTEE MEETING

Thursday, January 5, 2023
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: 160 429 3481

Virtually

Please join the meeting from your
computer, tablet or smartphone:
<https://scvwa.zoomgov.com/j/1604293481>

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: December 27, 2022

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

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

The **Engineering and Operations Committee** meeting is scheduled on **Thursday, January 5, 2023 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: 160 429 3481 or Zoom Webinar by clicking on the link <https://scvwa.zoomgov.com/j/1604293481>**. 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. * Resolution of the Board of Directors of the Santa Clarita Valley Water Agency Authorizing a Purchase Order to Lee + Ro, Inc. for Planning Services for the Sand Canyon Reservoir Expansion Project, and Finding that the Authorization is Not a Project Subject to CEQA	1
4. * Recommend Finding that the Approval of (1) a Resolution for Construction Contract with Pacific Hydrotech Corporation and (2) a Purchase Order to Kennedy Jenks for Engineering Services During Construction and (3) a Purchase Order to MKN CPM, LLC for Construction Management and Inspection Services for the Well 201 Groundwater Improvements Project is Exempt from CEQA pursuant to CEQA Guidelines Section 15301, and alternatively, Section 15303, and Authorize Approval of the Purchase Orders	13
5. * Monthly Operations and Production Report	29
6. * Capital Improvement Projects Construction Status Report	131
7. * Committee Planning Calendar	133
8. General Report on Treatment, Distribution, Operations and Maintenance Services Section Activities	
9. * General Report on Engineering Services Section Activities	137
10. 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.

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 December 28, 2022.

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COMMITTEE MEMORANDUM

DATE: December 22, 2022

TO: Engineering and Operations Committee

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

SUBJECT Resolution of the Board of Directors of the Santa Clarita Valley Water Agency Authorizing a Purchase Order to Lee + Ro, Inc. for Planning Services for the Sand Canyon Reservoir Expansion Project, and Finding that the Authorization is Not a Project Subject to CEQA

SUMMARY

Santa Clarita Valley Water Agency (SCV Water) has identified a need to increase the water storage capacity at the existing Sand Canyon Reservoir site to serve the eastern portion of its service area. Staff issued a Request for Proposal (RFP) for planning services for the Sand Canyon Reservoir Expansion project. The project will identify the amount of additional storage improvements that can be constructed at the site. Staff received two (2) planning services proposals and is recommending approval of a resolution authorizing a purchase order to Lee + Ro, Inc. for planning services for the Sand Canyon Reservoir Expansion project.

DISCUSSION

Completed construction in 2007, the Sand Canyon Reservoir is a 7-million-gallon partially buried rectangular cast-in-place reinforced concrete reservoir. Located in the east of SCV Water's service area, the reservoir is sited on a property approximately 9.6 acres in size. SCV Water has identified a need to increase the water storage capacity at this location to serve the eastern portion of the service area.

On October 6, 2022, staff issued a Request for Proposal (RFP) to several of SCV Water's on-call consultants for planning services to determine the additional water storage capital improvements for the Sand Canyon Reservoir Expansion project. On November 16, 2022, staff received proposals from two (2) consultants, Lee + Ro, Inc. and Black & Veatch, Inc. The proposals were reviewed and evaluated by staff from Engineering and Operations & Maintenance. The evaluation team reviewed the proposals based on the qualifications-based selection procedure applying the following criteria: responsiveness (conformance and compliance) to the RFP requirements, project understanding, project approach, responsibilities (resources/ capability/ qualifications/ availability) to perform the work, scope of work, and schedule. The evaluation team selected Lee + Ro, Inc. as the firm to provide the planning services for the project.

The scope of work will include but is not limited to identifying additional water storage capital improvements, evaluating alternative options, preparing estimated construction costs, and providing preliminary design of the recommended improvements to be able to conduct

environmental review of such a potential project under the California Environmental Quality Act (CEQA).

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) CONSIDERATIONS

The approval of a purchase order to Lee + Ro, Inc. for planning services for the Sand Canyon Reservoir Expansion project authorizes the preparation of feasibility and planning studies and does not constitute an approval for the construction of the Sand Canyon Reservoir Expansion and so is exempt from further review under the California Environmental Quality Act (CEQA) Guidelines section 15262.

STRATEGIC PLAN NEXUS

The award of this planning contract will help meet SCV Water's objective and Strategic Plan Objective B.1: "Plan, design and build facilities to meet demand including storage capacity and interconnections between regional and retail water systems." and B.2: "Plan and budget for long-term replacements and improvements."

FINANCIAL CONSIDERATIONS

The project was not initially included in the Agency's FY 2022/23 Budget. The budget for this work will be funded from another capital improvement project that is anticipated to be under budget. The planning services would be performed on a time and expense basis with a not to exceed budget of \$420,000.

RECOMMENDATION

That the Engineering and Operations Committee recommends that the Board of Directors find that approval of the proposed action is exempt from the CEQA Review, in accordance with CEQA Guidelines section 15262, because the project only involves feasibility or planning studies for possible future actions which the Agency has not approved, adopted, or funded and approve the resolution authorizing a purchase order to Lee + Ro, Inc. for an amount not to exceed of \$420,000 for planning services for the Sand Canyon Reservoir Expansion project.

Attachment

M65

RESOLUTION NO. SCV-XXX

**RESOLUTION OF THE BOARD OF DIRECTORS OF
THE SANTA CLARITA VALLEY WATER AGENCY
AUTHORIZING A PURCHASE ORDER
TO LEE + RO, INC. FOR PLANNING SERVICES FOR THE
SAND CANYON RESERVOIR EXPANSION PROJECT, AND FINDING THAT THE
AUTHORIZATION IS NOT A PROJECT SUBJECT TO CEQA**

WHEREAS, Santa Clarita Valley Water Agency (SCV Water) wishes to conduct feasibility and planning studies with regard to the Sand Canyon Reservoir Expansion project, as it continues to work towards meeting its Strategic Plan Objectives B.1: “Plan, design and build facilities to meet demand including storage capacity and interconnections between regional and retail water systems.” and B.2: “Plan and Budget for long term replacements and improvements”; and

WHEREAS, the adoption of the resolution for a purchase order to Lee + Ro, Inc. for planning services for the Sand Canyon Reservoir Expansion project authorizes the preparation of feasibility and planning studies, and does not constitute an approval for the construction of the Sand Canyon Reservoir Expansion project and so is exempt from further review under the California Environmental Quality Act (CEQA) Guidelines section 15262; and

WHEREAS, this resolution does not commit the Agency to any current or future projects, and does not entail any construction or other activity that could result in a potential physical change to the environment; and

WHEREAS, on October 6, 2022, SCV Water issued the Request for Proposal (RFP) to several of its on-call consultants on PlanetBids for planning services for the Sand Canyon Reservoir Expansion project; and

WHEREAS, on November 16, 2022, proposals from two (2) consultants were electronically received on the Agency’s website page on PlanetBids pursuant to the Agency’s planning services RFP for the Sand Canyon Reservoir Expansion project; and

WHEREAS, it is in the SCV Water’s best interest that the Board of Directors, on behalf of the SCV Water, authorize its General Manager to award a purchase order to Lee + Ro, Inc. for planning services in the amount of \$420,000; and

NOW, THEREFORE, BE IT RESOLVED, That the SCV Water Board does hereby find and determine as follows:

SECTION 1. RECITALS. The Board finds that the administrative record has been completed in compliance with CEQA, the CEQA Guidelines, and that the CEQA findings reflect the Board's independent judgment.

SECTION 2. LOCATION AND CUSTODIAN OF RECORDS. The documents and materials associated with the project that constitute the record of proceedings on which these findings are based are located at the offices of the Santa Clarita Valley Water Agency, 27234 Bouquet Canyon Rd, Santa Clarita, CA 91350. The Custodian of Record is April Jacobs.

RESOLVED FURTHER that the Agency's Board of Directors authorize its General Manager to issue a Purchase Order to Lee + Ro, Inc. for planning services for the Sand Canyon Reservoir Expansion project for the total sum of \$420,000.

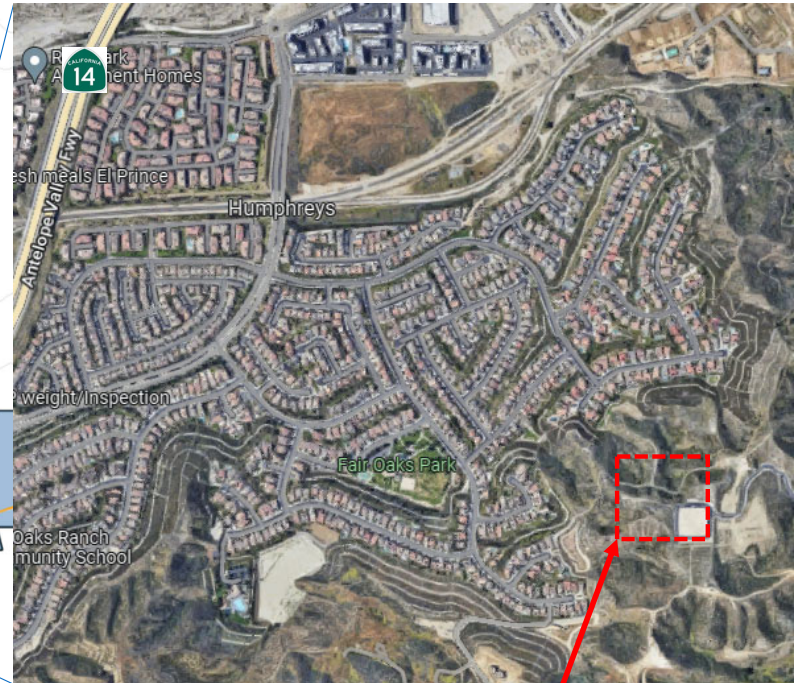
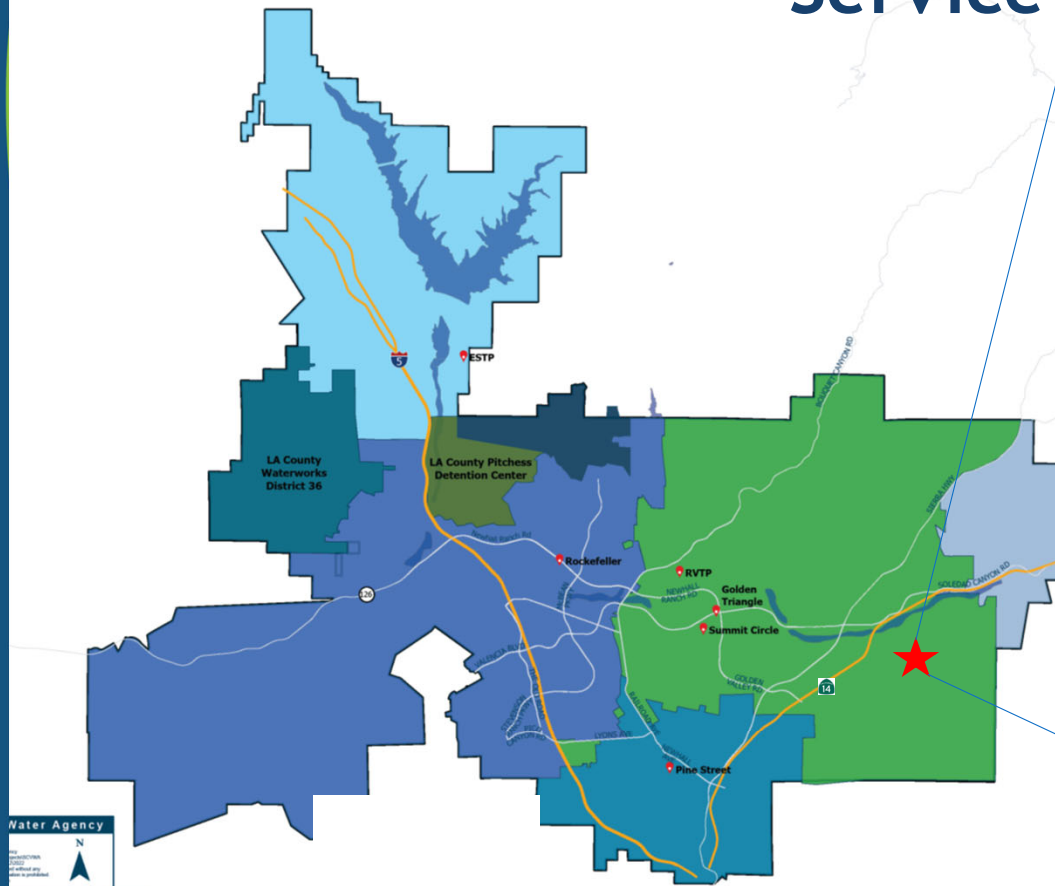


January 5, 2023

Sand Canyon Reservoir Expansion Planning Services

Engineering and Operations
Committee Meeting

Santa Clarita Valley Water Agency Service Area



Sand Canyon Reservoir Property

YOURSCVWATER.COM



Sand Canyon Reservoir Expansion Planning Services



- Sand Canyon Reservoir
- 9.6 acres of property
 - Began design in 2004
 - Completed construction in 2007
 - 7-million-gallon storage capacity

Sand Canyon Reservoir facing Southwest

Sand Canyon Reservoir Expansion Planning Services

- October 6, 2022: Request for Proposal (RFP) advertised on PlanetBids
- November 16, 2022: Two (2) proposals received
 - Lee + Ro, Inc.
 - Black & Veatch, Inc.
- Evaluation Team: Engineering, Operations & Maintenance
- Lee + Ro, Inc. selected based on:
 - Responsiveness (conformance and compliance) to the RFP requirements
 - Project understanding
 - Project approach
 - Responsibility (resources/capability/qualifications/availability) to perform the work
 - Scope of work
 - Schedule

** SCV Water's objective and Strategic Plan Objective B.1: "Plan, design and build facilities to meet demand including storage capacity and interconnections between regional and retail water systems." and B.2: "Plan and budget for long-term replacements and improvements."



Sand Canyon Reservoir Expansion Planning Services

Scope of Work

- Project Meetings and Workshops
- Data Collection and Review
- Perform Topographical Surveys
- Reservoir Expansion Planning (land use, flood and seismic risk assessments, site layout, site accessibility, piping, transient studies including modeling using the surge software, electrical load analysis)
- Identification of easements, jurisdictional boundaries, future construction discharge quantities, and permit requirement
- Planning Level Design Drawings and 3-D Renderings
- Estimated Construction Costs



Sand Canyon Reservoir Expansion Planning Services

- Award Phase:
 - January 5, 2023: Engineering and Operations Committee
 - February 7, 2023: Board Meeting
- Planning Phase:
 - February 2023: Notice to Proceed
 - February 2023 to August 2023: Planning Services



Sand Canyon Reservoir Expansion Planning Services

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

- I. Find that approval of the proposed action is exempt from the CEQA Review, in accordance with CEQA Guidelines section 15262, because the project only involves feasibility or planning studies for possible future actions which the Agency has not approved, adopted, or funded; and
- II. Approve the resolution authorizing the General Manager to execute a purchase order for planning services to Lee + Ro, Inc. for an amount not to exceed \$420,000.



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COMMITTEE MEMORANDUM

DATE: December 22, 2022
TO: Engineering and Operations Committee
FROM: Courtney Mael, P.E. *CM*
Chief Engineer
SUBJECT: Recommend Finding that the Approval of (1) a Resolution for Construction Contract with Pacific Hydrotech Corporation and (2) a Purchase Order to Kennedy Jenks for Engineering Services During Construction and (3) a Purchase Order to MKN CPM, LLC for Construction Management and Inspection Services for the Well 201 Groundwater Improvements Project is Exempt from CEQA pursuant to CEQA Guidelines Section 15301, and alternatively, Section 15303, and Authorize Approval of the Purchase Orders

SUMMARY

SCV Water is planning to construct additional treatment improvements to treat Volatile Organic Compounds (VOCs) at its Well 201. The site construction work for the Well 201 VOC Treatment Improvements project was advertised, and bids have been received. Staff is recommending award of a construction contract to Pacific Hydrotech Corporation. Staff is also recommending approval of a purchase order to Kennedy Jenks (KJ) for engineering services during construction and to MKN CPM, LLC (MKN) for construction management and inspection services.

DISCUSSION

SCV Water is planning to provide additional groundwater treatment at Well 201. Well 201 is located at 24050 Valencia Boulevard, Valencia, CA. As a result of perchlorate concentrations in the well water that exceed the State of California's Division of Drinking Water (DDW) Primary Maximum Contaminant Level (MCL), SCV Water installed perchlorate treatment using Ion Exchange in 2017. The design capacity of Well 201 is 2,400 gallons per minute (gpm), and the design perchlorate treatment capacity is 2,000 gpm. SCV Water is currently working with DDW to obtain the operational permit for Well 201 perchlorate treatment. Well 201 also contains VOCs, including trace concentrations of Trichloroethylene (TCE) that exceed detection limits. As a result of DDW's treatment requirements for this site, VOC Treatment is necessary at the Well 201 site.

The proposed VOC treatment uses Granular Activated Carbon (GAC) technology which includes bag pre-filters and treatment vessels that will capture and remove VOCs to non-detect limits before entering the distribution system. The site construction work for the Well 201 VOC Treatment Improvements project was advertised for construction on October 6, 2022 with a December 19, 2022 bid opening. Staff is recommending award of a construction contract to Pacific Hydrotech Corporation. Staff is also recommending approval of a purchase order to Kennedy Jenks (KJ) for engineering services during construction and to MKN CPM, LLC (MKN) for construction management and inspection services.

The construction 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 December 19, 2022, seven (7) construction bids were electronically received and opened. A summary of the bids is presented below:

Bidder	Bidder Office Location	Total Bid Price
Pacific Hydrotech Corporation	Perris, CA	\$7,726,700
GSE Construction Co., Inc.	Livermore, CA	\$8,219,800
Mehta Mechanical Company Inc.	La Palma, CA	\$8,333,000
Metro Builders & Engineers	Newport Beach, CA	\$8,754,569
J.R. Filanc Construction Co.	Escondido, CA	\$8,769,101
Caliagua, Inc.	Anaheim, CA	\$8,954,060
Environmental Construction, Inc.	La Palma, CA	\$9,797,525

The apparent lowest responsive bid is from Pacific Hydrotech Corporation. for a total of \$7,726,700. The engineer’s estimate for the project is \$7,700,000. Pacific Hydrotech Corporation is registered with the Department of Industrial Relations and has successfully completed projects for the Agency in the past.

CEQA DETERMINATION

The proposed action today is authorizing the construction for VOCs treatment facility at the Well 201 Groundwater Improvements project. The whole of the action also includes construction and 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. Therefore, the project is subject to CEQA.

Based on the final design, and because the project construction is a minor alteration limited to construction within SCV Water’s existing facility property and the City of Santa Clarita Rights-of-Way, 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 mechanical equipment involving negligible or no expansion of use, i.e. no additional extraction of water, beyond that existing at the time of the lead SCV Water’s determination.

The project also qualifies for an exemption under CEQA guidelines Section 15303 Class 3 New Construction or Conversion of Small Structures because the water main extension and treatment system reflect limited construction of facilities where only minor modifications are made.

None of the exceptions listed in Section 15300.2 of the CEQA Guidelines would apply to the action.

STRATEGIC PLAN NEXUS

This project helps meet SCV Water's objective and Strategic Plan Objective D.2: "Proactively install, operate, and maintain groundwater treatment infrastructure to avoid impacts on water supply reliability (e.g. VOCs, perchlorate, PFAS, etc.)."

FINANCIAL CONSIDERATIONS

The project is included in the SCV Water's FY 2022/23 Capital Improvement Budget for the Well 201 Groundwater Improvements project. The project's total estimated cost, including planning, design, construction management and inspection, construction, and miscellaneous costs, is approximately \$8,500,000. Pacific Hydrotech Corporation's bid is \$7,726,700.

RECOMMENDATION

The Engineering and Operations Committee recommends that the Board of Directors (1) Find the Contract Agreement exempt from CEQA pursuant to CEQA Guidelines Section 15301, and alternatively, exempt from CEQA under CEQA Guidelines Section 15303 and (2) approve the attached resolution for a construction contract with Pacific Hydrotech Corporation in an amount not to exceed \$7,726,700 and (3) authorize the General Manager to execute a purchase order with Kennedy Jenks for an amount not to exceed \$510,000 for engineering services during construction and (4) authorize the General Manager to execute a work authorization with MKN CPM, LLC for an amount not to exceed \$700,000 for construction management and inspection services for the Well 201 Groundwater Improvements project.

Attachment

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RESOLUTION NO. _____

**RESOLUTION OF THE BOARD OF DIRECTORS
OF THE SANTA CLARITA VALLEY WATER AGENCY
FINDING THE AWARD OF A CONTRACT TO PACIFIC HYDROTECH
CORPORATION FOR THE WELL 201 VOC TREATMENT IMPROVEMENTS
PROJECT EXEMPT FROM CEQA UNDER CEQA GUIDELINES SECTION 15301,
AND ALTERNATIVELY, SECTION 15303, AND AWARDING THE CONTRACT**

WHEREAS, Santa Clarita Valley Water Agency (Agency) determined that Volatile Organic Compounds (VOCs) are a threat to the Agency's groundwater resources; and

WHEREAS, the Well 201 VOC Treatment Improvements is an important component to treat VOCs; and

WHEREAS, Santa Clarita Valley Water Agency, as the CEQA Lead Agency, filed a Notice of Exemption with the Los Angeles County Clerk's Office on November 14, 2021, the Ventura County Clerk's Office on November 5, 2021, and the State Clearinghouse on November 29, 2021; 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 new mechanical equipment involving negligible or no expansion of use, i.e. no additional extraction of water, beyond that existing at the time of the lead agency's determination; and

WHEREAS, the project, aka the whole of the action, also qualifies for an exemption under CEQA guidelines section 15303 Class 3 New Construction or Conversion of Small Structures because the water main extension and treatment system reflect limited construction of facilities where only minor modifications are made; and

WHEREAS, all bid proposals submitted to the Agency pursuant to the Agency's specifications (Project No. 2301146) for procurement of the Well 201 VOC Treatment Improvements, as amended by Addenda, were publicly opened electronically on the Agency's bid website page on PlanetBids on Monday, December 19, 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 Pacific Hydrotech Corporation in the amount of \$7,726,700 is the lowest responsible bid of seven (7) bids submitted, and that said bid substantially meets the requirements of said materials purchase contract documents as amended by Addenda; 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 \$7,726,700 bid from Pacific Hydrotech Corporation.

NOW, THEREFORE, BE IT RESOLVED, that the Agency's Board of Directors finds the contract agreement exempt from CEQA pursuant to CEQA Guidelines Section 15301, and alternatively, exempt from CEQA under CEQA Guidelines Section 15303.

RESOLVED FURTHER that the Agency's Board of Directors authorize its General Manager to accept Pacific Hydrotech Corporation's bid and does therefore authorize the Agency's General Manager or its Chief Engineer to issue a Notice of Award to Pacific Hydrotech Corporation, hereby found to be the "lowest responsive responsible bidder" for the Well 201 VOC Treatment Improvements for the total sum of \$7,726,700.

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 Pacific Hydrotech Corporation, 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 Pacific Hydrotech Corporation an appropriate Notice to Proceed.

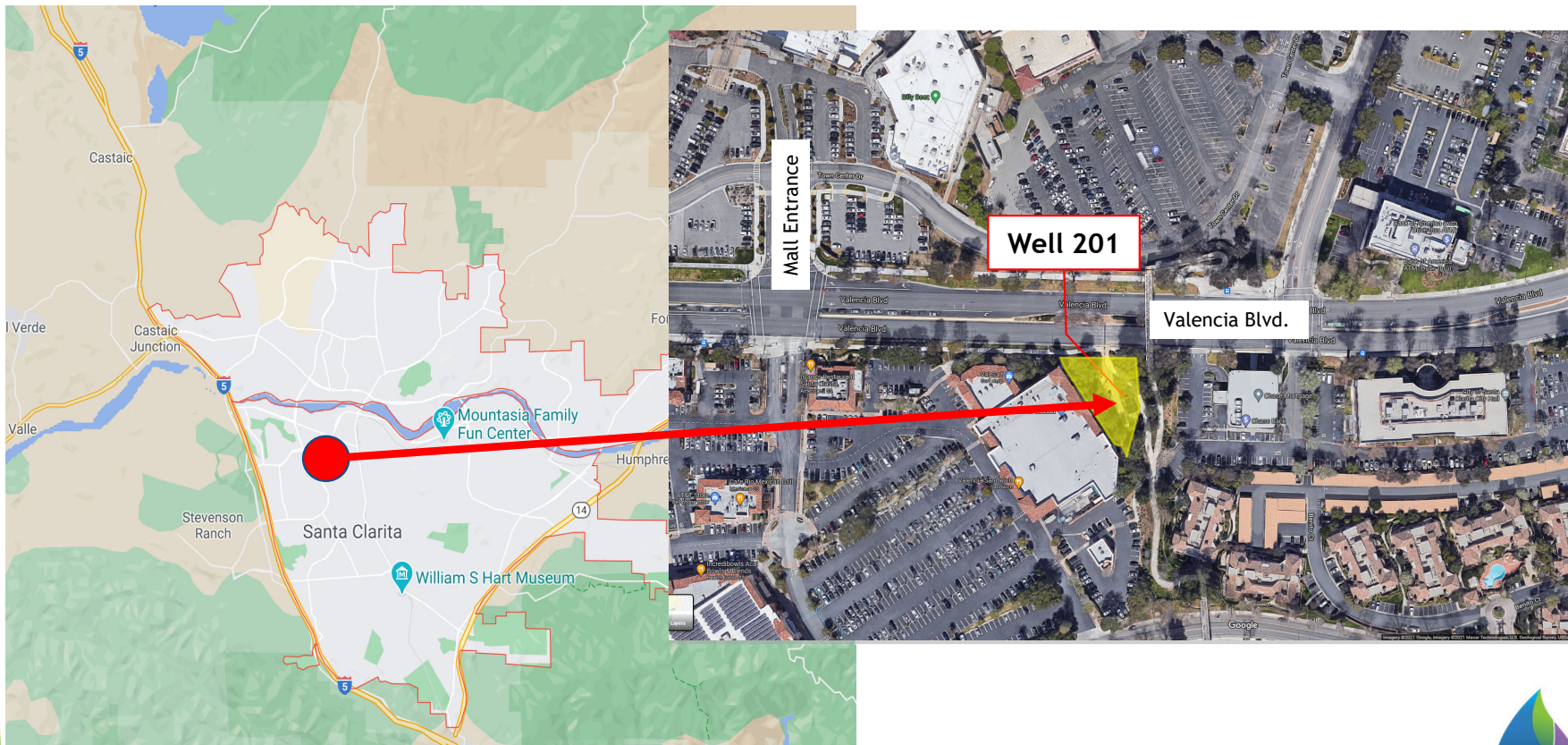


January 5, 2023

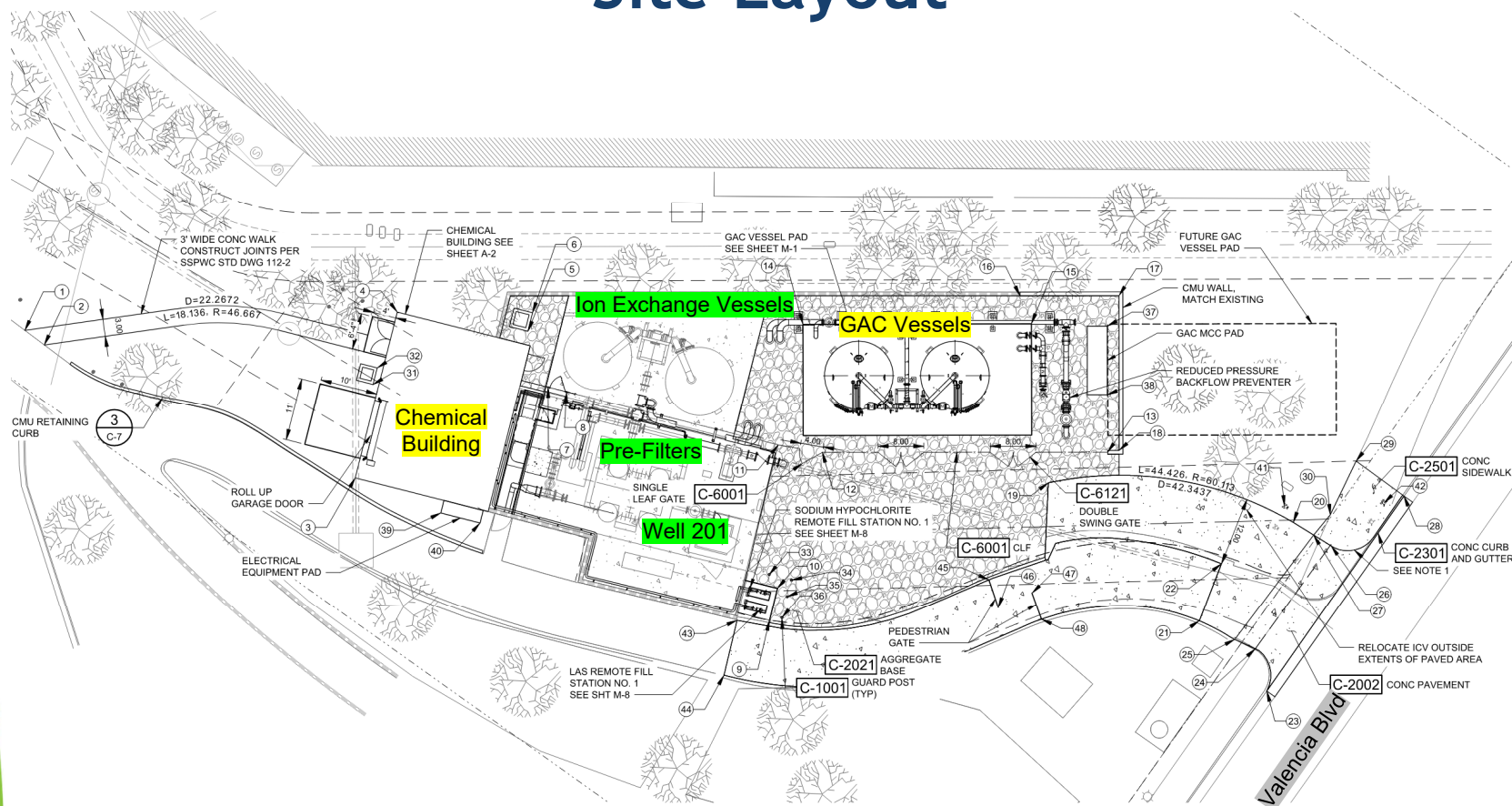
Well 201 VOC Treatment Improvements Project

Engineering and Operations
Committee Meeting

Well 201 VOC Treatment Improvements Project Location Map



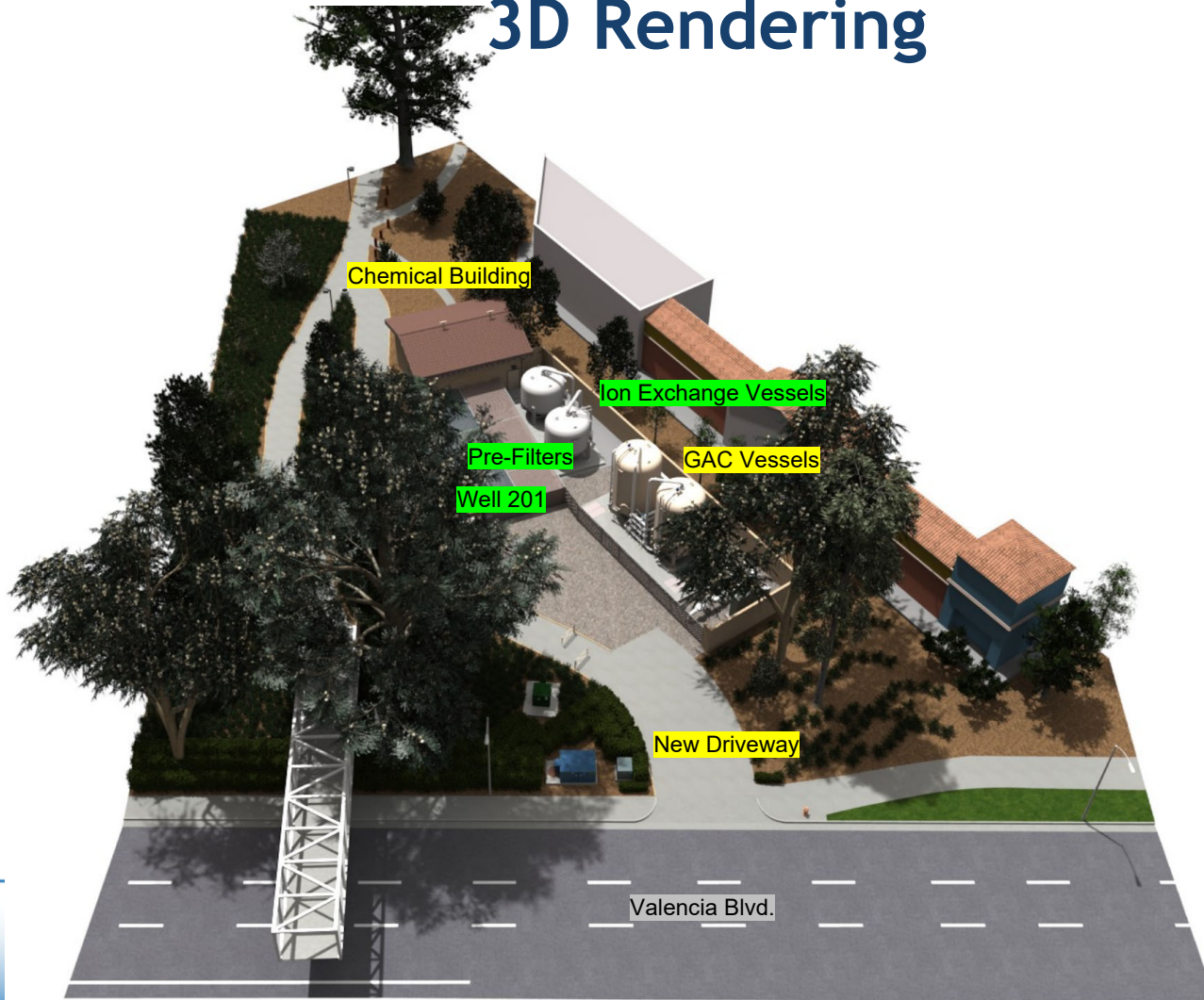
Well 201 VOC Treatment Improvements Project Site Layout



YOURSCVWATER.COM



Well 201 VOC Treatment Improvements Project 3D Rendering



Well 201 VOC Treatment Improvements Project Bid Analysis

- Staff advertised project on PlanetBids on October 6, 2022
- Project was advertised in the Signal on October 15, 22 and 27, 2022
- Bids were electronically opened on December 19, 2022

Bidder	Bidder Office Location	Total Bid Price
Pacific Hydrotech Corporation	Perris, CA	\$7,726,700
GSE Construction Co., Inc.	Livermore, CA	\$8,219,800
Mehta Mechanical Company Inc.	La Palma, CA	\$8,333,000
Metro Builders & Engineers	Newport Beach, CA	\$8,754,569
J.R. Filanc Construction Co.	Escondido, CA	\$8,769,101
Caliagua, Inc.	Anaheim, CA	\$8,954,060
Environmental Construction, Inc.	La Palma, CA	\$9,797,525

***Engineer's Estimate \$7,700,000.**

** SCV Water's objective and Strategic Plan Objective D.2: "Proactively install, operate, and maintain groundwater treatment infrastructure to avoid impacts on water supply reliability (e.g. VOCs, perchlorate, PFAS, etc.)".



Well 201 VOC Treatment Improvements Project Kennedy Jenks Proposal

Engineering Services During Construction:

Submittals, RFIs, meetings, etc.	\$397,000
Well Rehabilitation Services	\$83,000
<u>Project Closeout and Record Drawings</u>	<u>\$30,000</u>
Subtotal	\$510,000

Total Recommended Time and Materials Not to Exceed Budget \$510,000



Well 201 VOC Treatment Improvements Project MKN Proposal

Construction Management and Inspection Services:

Construction Management and Inspection Services	\$535,000
<u>Material Testing</u>	<u>\$165,000</u>
Subtotal	\$700,000

Total Recommended Time and Materials Not to Exceed Budget \$700,000



Well 201 VOC Treatment Improvements Project Project Schedule

- Construction Award Phase:
 - January 5, 2023: Engineering and Operations Committee
 - January 17, 2023: Board Meeting (to help with price volatility)
- Construction Phase:
 - February 2023: Notice to Proceed
 - February 2023 to April 2024: Construction (425 calendar days)
 - Summer 2024: Begin water deliveries from Well 201



Well 201 VOC Treatment Improvements Project Project Recommendation

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

- (1) Find the Contract Agreement exempt from CEQA pursuant to CEQA Guidelines Section 15301, and alternatively, exempt from CEQA under CEQA Guidelines Section 15303;
- (2) Adopt the resolution awarding a contract to Pacific Hydrotech Corporation for the Well 201 VOC Treatment Improvements project for \$7,726,700;
- (3) Authorize the General Manager to execute a purchase order for Engineering Services during Construction with Kennedy Jenks for an amount not to exceed \$510,000; and
- (4) Authorize the General Manager to execute a purchase order for construction management and inspection services with MKN for an amount not to exceed \$700,000.



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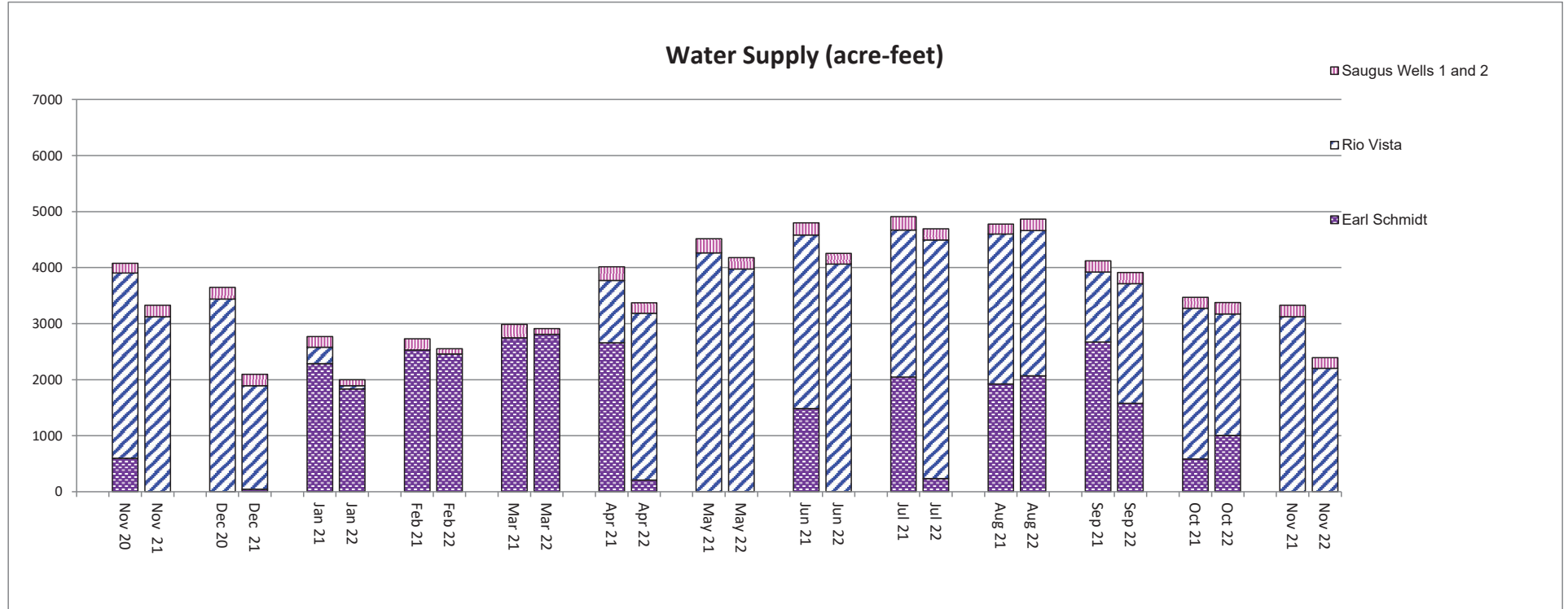


Monthly Operations & Production Report

November 2022

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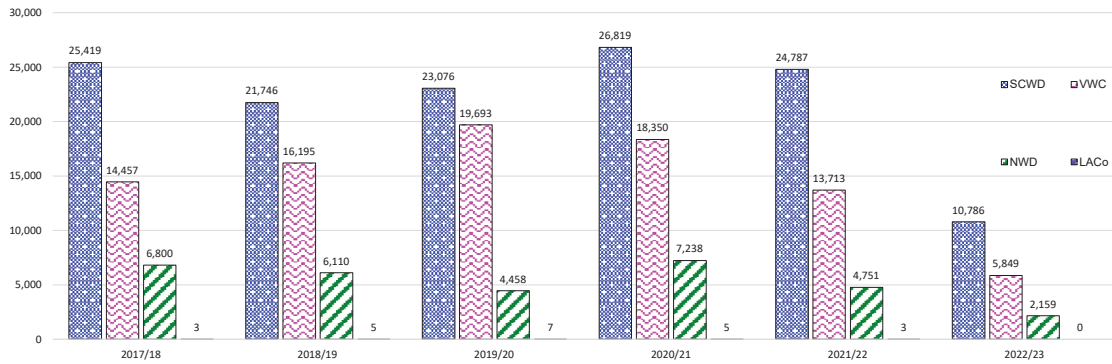
SANTA CLARITA VALLEY WATER AGENCY
November 2022 Regional Operations Report



Source	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Total
Earl Schmidt	0	43	1837	2459	2810	208	0	0	234	2068	1576	874	0	12109
Rio Vista	3127	1847	55	0	0	2977	3975	4064	4257	2595	2140	2167	2200	29404
Saugus 1 and 2	200	205	106	94	102	186	202	191	203	205	196	204	196	2290
Total	3327	2095	1998	2553	2912	3371	4177	4255	4694	4868	3912	3245	2396	34250
Total Sold	3390	2113	2106	2593	3075	3243	4210	4279	4759	4720	3685	3290	2339	43802
RVWTP Use/Storage	22.18	59.27	-64.57	3.22	-8.02	70.97	38.57	33.15	83.45	32.6	25.22	42.63	33.74	372.41
Total Use	3412.18	2172.27	2041.43	2596.22	3066.98	3313.97	4248.57	4312.15	4842.45	4752.6	3710.22	3332.63	2372.74	41801.67
Water Loss	2.56%	3.69%	2.17%	1.69%	5.32%	-1.69%	1.71%	1.34%	3.16%	-2.37%	-5.16%	2.70%	-0.97%	1.26%
Recycled Water	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Total
Valencia	42	28	9	15	19	31	57	108	143	151	149	0	0	752

* 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	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	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	0	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	2,202	2,047	1,398	0	0	0	0	0	0	0	10,786
VWD	1,664	1,667	1,119	818	580	0	0	0	0	0	0	0	5,849
NWD	558	451	364	425	360	0	0	0	0	0	0	0	2,159
LACo	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	4,759	4,720	3,685	3,290	2,339	0	0	0	0	0	0	0	18,793
Cum. FYTD	4,759	9,479	13,164	16,455	18,793	18,793	18,793	18,793	18,793	18,793	18,793	18,793	

*Total does not include recycled water.

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

	<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>	<i>2011-12</i>
October	0.22	0.00	1.10	4.79	1.91	0.42	0.25	0.09	4.04	1.34	1.97
November	3.18	3.01	0.63	0.64	0.59	0.05	0.50	1.78	0.08	1.87	2.50
December	1.30	5.85	2.57	8.54	0.14	0.83	2.67	3.01	4.28	11.97	1.19
January	1.55	0.00	0.65	17.06	3.27	1.66	17.54	0.69	9.13	0.96	1.23
February	0.51	9.03	8.07	16.69	3.78	1.38	1.82	6.78	4.96	5.36	0.13
March	0.38	2.38	0.37	2.70	5.68	0.17	0.10	1.18	0.69	8.86	4.99
April	0.05	2.35	0.20	1.42	4.22	0.71	0.07	0.07	2.40	0.12	4.02
May	0.12	1.70	0.00	0.45	0.99	0.00	0.17	0.01	0.07	0.74	0.01
June	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.04	0.00
July	0.00	0.02	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.01	0.00
August	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.01
September	0.02	0.00	0.00	0.17	0.00	1.32	0.00	0.00	0.00	0.00	0.02
TOTAL	7.34	24.34	13.59	52.55	20.58	6.58	23.12	13.64	25.65	31.27	16.07
	<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>	<i>2022-23</i>
October	0.15	0.11	0.32	0.17	0.43	0.00	0.52	0.01	0.04	1.22	0.08
November	2.20	1.41	0.64	0.21	1.49	0.06	1.87	2.61	0.14	0.04	1.89
December	1.54	0.37	6.16	0.49	3.44	0.01	2.77	5.12	1.40	13.86	
January	1.94	0.06	1.44	6.07	10.30	3.18	8.08	0.54	2.08	0.40	
February	0.42	5.26	0.74	0.69	8.98	0.35	8.56	0.12	0.03	0.00	
March	1.21	1.64	1.09	2.75	0.33	7.50	4.15	5.81	0.84	1.96	
April	0.00	0.31	0.16	0.37	0.09	0.02	0.09	4.45	0.01	0.12	
May	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	0.01	0.01	0.00	0.00	0.01	0.01	0.00	0.00	
July	0.08	0.02	0.87	0.00	0.01	0.00	0.00	0.00	0.00	0.00	
August	0.00	0.05	0.00	0.02	0.07	0.00	0.00	0.00	0.03	0.00	
September	0.00	0.00	0.78	0.00	0.13	0.02	0.03	0.01	0.00	0.12	
TOTAL	8.28	9.23	12.87	10.87	25.53	11.15	27.68	18.84	4.57	17.72	1.97

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)

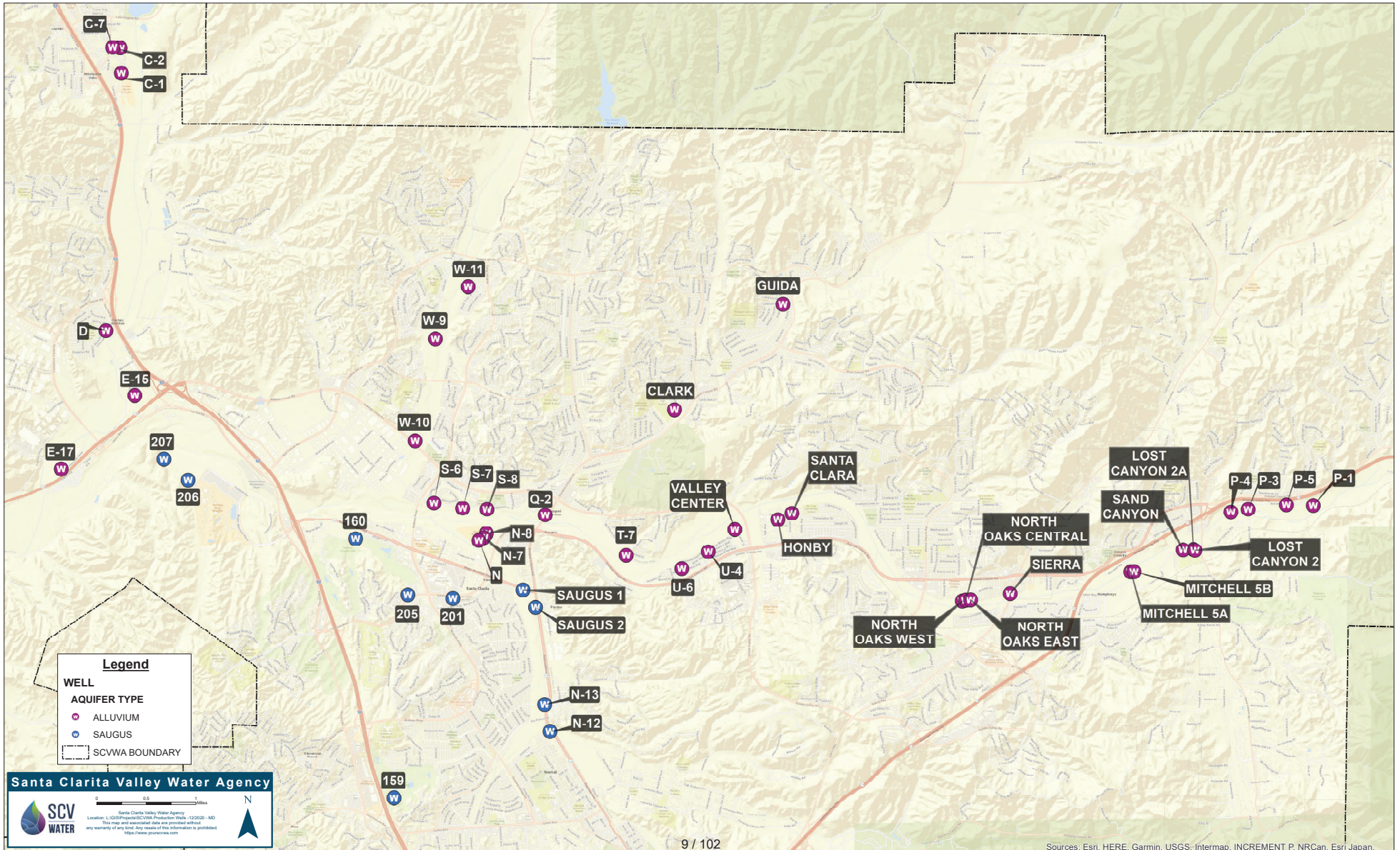
GROUNDWATER - ALLUVIUM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
C1	26	30	36	38	43	42	49	48	40	40	31		424
C2	13	14	18	19	21	21	21	20	16	16	11		190
C7	35	41	48	50	58	62	67	66	55	56	42		580
CLARK	0	0	0	0	0	0	0	0	0	0	0		0
D	0	0	0	0	0	0	0	0	0	0	0		0
E15	54	62	79	76	92	100	117	51	50	165	74		921
E17	45	54	64	66	74	73	66	95	92	60	74		763
GUIDA	45	53	52	41	34	39	67	64	57	52	26		530
HONBY	0	0	0	0	0	0	0	0	0	0	0		0
LOST CANYON NO.2	5	26	19	20	18	0	0	0	0	0	0		87
LOST CANYON NO.2A	28	63	43	55	70	62	61	70	59	48	33		592
MITCHELL 5A	6	0	0	0	0	0	0	0	0	0	0		6
MITCHELL 5B	0	0	0	0	0	0	0	0	0	0	0		0
N	89	79	91	75	106	97	104	104	104	93	97		1040
N7	145	88	211	165	183	180	133	158	136	268	142		1809
N8	160	184	104	129	133	123	173	145	164	43	147		1506
NORTH OAKS CENTRAL	0	0	0	0	0	0	0	0	0	0	0		1
NORTH OAKS EAST	0	0	0	0	0	0	0	0	0	0	0		0
NORTH OAKS WEST	0	0	0	0	0	0	0	0	0	0	0		0
P1	15	12	0	0	0	0	0	0	0	0	0		27
P3	52	46	13	14	16	1	0	0	0	0	0		144
P4	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
Q2	0	0	0	0	0	0	0	0	0	0	0		0
S6	0	0	0	0	0	0	0	0	0	0	0		0
S7	0	0	0	0	0	0	0	0	0	0	0		0
S8	0	0	0	0	0	0	0	0	0	0	0		1
SAND CANYON	28	63	52	52	66	59	55	61	52	42	29		559
SANTA CLARA	0	0	0	0	0	0	0	0	0	0	0		0
SIERRA	40	48	57	53	68	67	77	85	88	66	58		705
T7	0	0	0	0	0	0	0	0	0	0	0		0
U4	0	0	0	0	0	0	0	0	0	0	0		0
U6	0	0	0	0	0	0	0	0	0	0	0		0
VALLEY CENTER	0	0	0	0	0	0	0	0	0	64	160		224
W9	35	50	61	82	52	71	56	65	73	58	21		624
W10	58	95	108	152	103	119	102	0	126	113	64		1041
W11	45	63	79	106	75	108	107	111	58	100	61		914
	922	1074	1135	1195	1212	1224	1256	1142	1172	1284	1071	0	12688
GROUNDWATER - SAUGUS													
159	0	0	1	3	6	6	9	6	16	2	1		50
160 - DOM	35	42	0	0	0	0	0	0	0	0	0		77
160 - VGC (not included in % by Source)	13	25	0	0	0	0	0	0	0	16	17		70
201	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
206	50	106	132	157	177	278	317	290	255	221	103		2086
207	54	116	140	130	65	0	21	228	197	173	58		1181
N12	109	117	142	145	170	164	187	199	193	169	136		1729
N13	122	132	161	166	198	192	221	236	231	203	163		2025
SAUGUS 1	103	93	102	98	101	97	102	103	98	102	98		1096
SAUGUS 2	3	1	0	88	101	95	102	103	98	102	98		791
	489	630	678	788	818	830	958	1164	1088	988	675	0	9106
TOTAL GROUNDWATER	1411	1704	1813	1983	2030	2055	2215	2306	2260	2271	1746	0	21794

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	47	43	36		430
N-2	27	61	123	133	160	173	189	195	160	158	116		1495
N-3	26	49	34	45	52	76	69	72	40	52	22		538
N-4	60	107	107	133	202	185	251	126	117	172	186		1646
SC-1	253	264	260	216	244	218	241	279	240	138	110		2466
SC-2	0	13	125	226	268	239	297	278	264	226	156		2093
SC-3	4	37	104	111	134	137	152	21	52	123	89		963
SC-4	287	354	315	310	380	371	378	390	266	199	150		3400
SC-5	16	0	0	44	76	116	138	197	146	169	124		1027
SC-6	70	81	73	69	40	103	132	132	104	141	94		1036
SC-7	154	201	195	168	225	268	237	221	180	99	114		2061
SC-8	120	163	159	124	150	156	294	363	342	362	236		2469
SC-9	263	245	291	289	302	287	284	315	313	314	162		3062
SC-10	25	31	28	36	51	71	90	65	26	33	10		468
SC-11	0	0	0	0	0	0	0	0	0	0	0		0
SC-12	48	54	129	175	238	249	184	174	141	138	89		1617
SC-13	92	104	122	96	109	96	108	167	127	106	66		1194
V-1	90	115	131	139	162	176	197	233	186	129	79		1635
V-2	184	259	297	196	369	333	373	512	261	110	59		2954
V-4	34	46	44	55	98	109	95	62	35	21	57		656
V-5	150	126	108	256	319	261	405	336	218	187	120		2486
V-6	51	59	15	89	113	107	156	117	104	115	102		1029
V-7	42	56	135	137	199	175	244	259	181	72	71		1571
V-8	84	138	253	169	279	326	194	148	134	183	92		2003
	2106	2593	3075	3243	4210	4279	4759	4720	3685	3290	2340	0	38301
Less Raw Water Input v. Output Correction	-108	-40	-163		-33	-24	-51					0	-421
TOTAL SURFACE WATER - SAUGUS 1 & SAUGUS 2	1891	2459	2810	3057	3975	4064	4504	4515	3489	3086	2143	0	35993
<hr/>													
TOTAL PRODUCTION (GW + SURFACE WATER)	3302	4163	4623	5040	6005	6119	6718	6821	5750	5358	3890	0	57787
<hr/>													
% BY SOURCE													
GROUNDWATER	42%	41%	39%	39%	34%	34%	33%	34%	39%	42%	45%		38%
SURFACE WATER	58%	59%	61%	61%	66%	66%	67%	66%	61%	58%	55%		62%
<hr/>													
Less Metered Non-System Groundwater Produced	0.1	0.4	0.1	0.3	0.1	0.0	0.1	0.2	0.9	1.1	1.2		4.5
Total Net Water to Distribution System	3302	4163	4623	5039	6005	6119	6718	6821	5749	5357	3888	0	57783
<hr/>													
RAW WATER - SOURCE													
RWWTP	55	0	0	2,977	3,975	4,064	4,257	2,595	2,140	2,167	2,200		24,429
ESFP	1,837	2,459	2,810	208	0	0	247	2,068	1,576	1,009	154		12,368
<hr/>													
RECYCLED WATER													
RWPS 1 - Based on customer billing month	5	8	18	21	10	56	43	49	46	38	36		332
Originally reported due to metering error	15	19	31	57	108	143	151	149					
<hr/>													
WHOLESALE - LA COUNTY WATERWORKS 36	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
LA 1	0	0	0	0	0	0	0	0	0	0	0	0	0
LA 3	0	0	0	0	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



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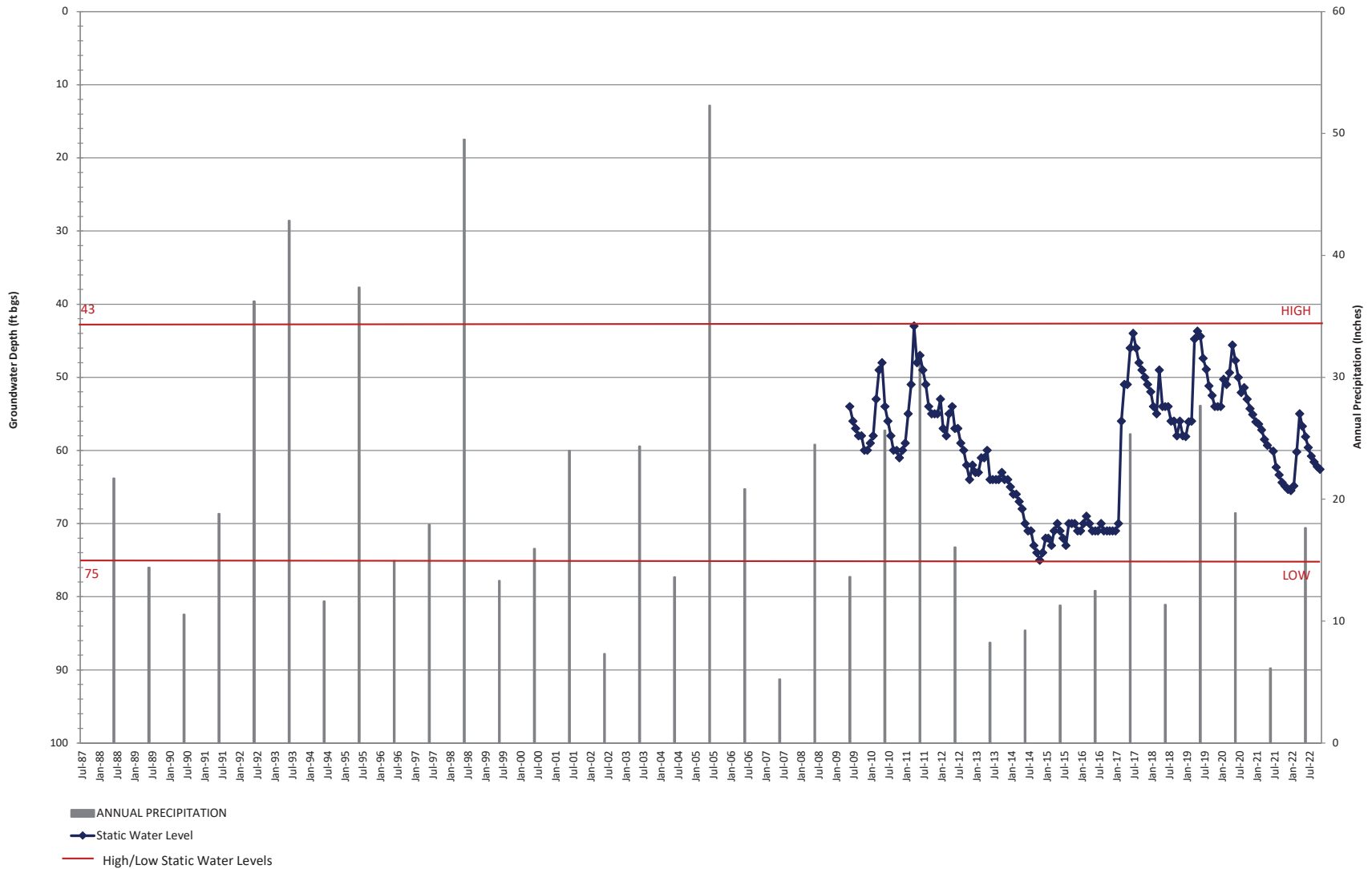
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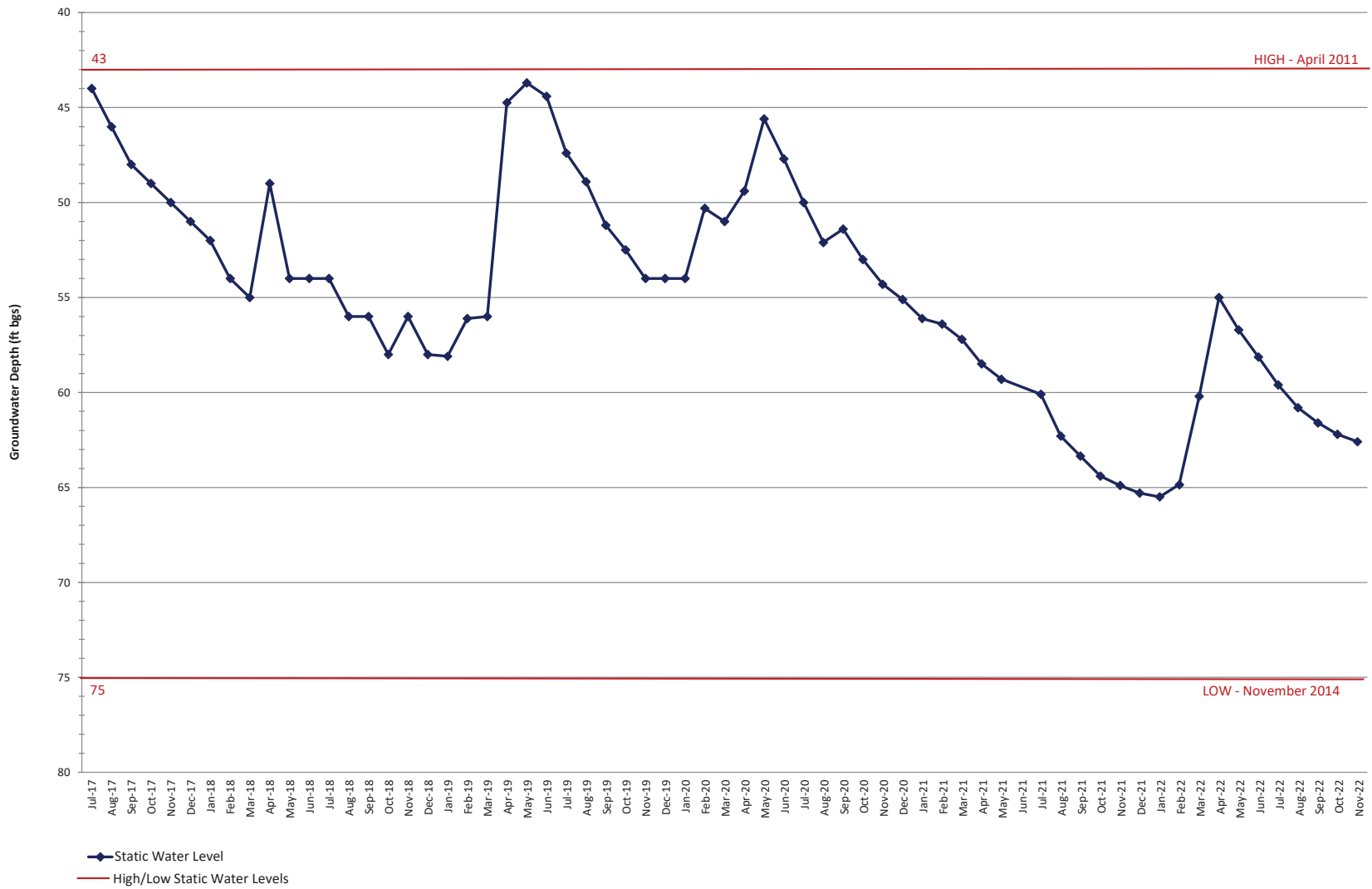
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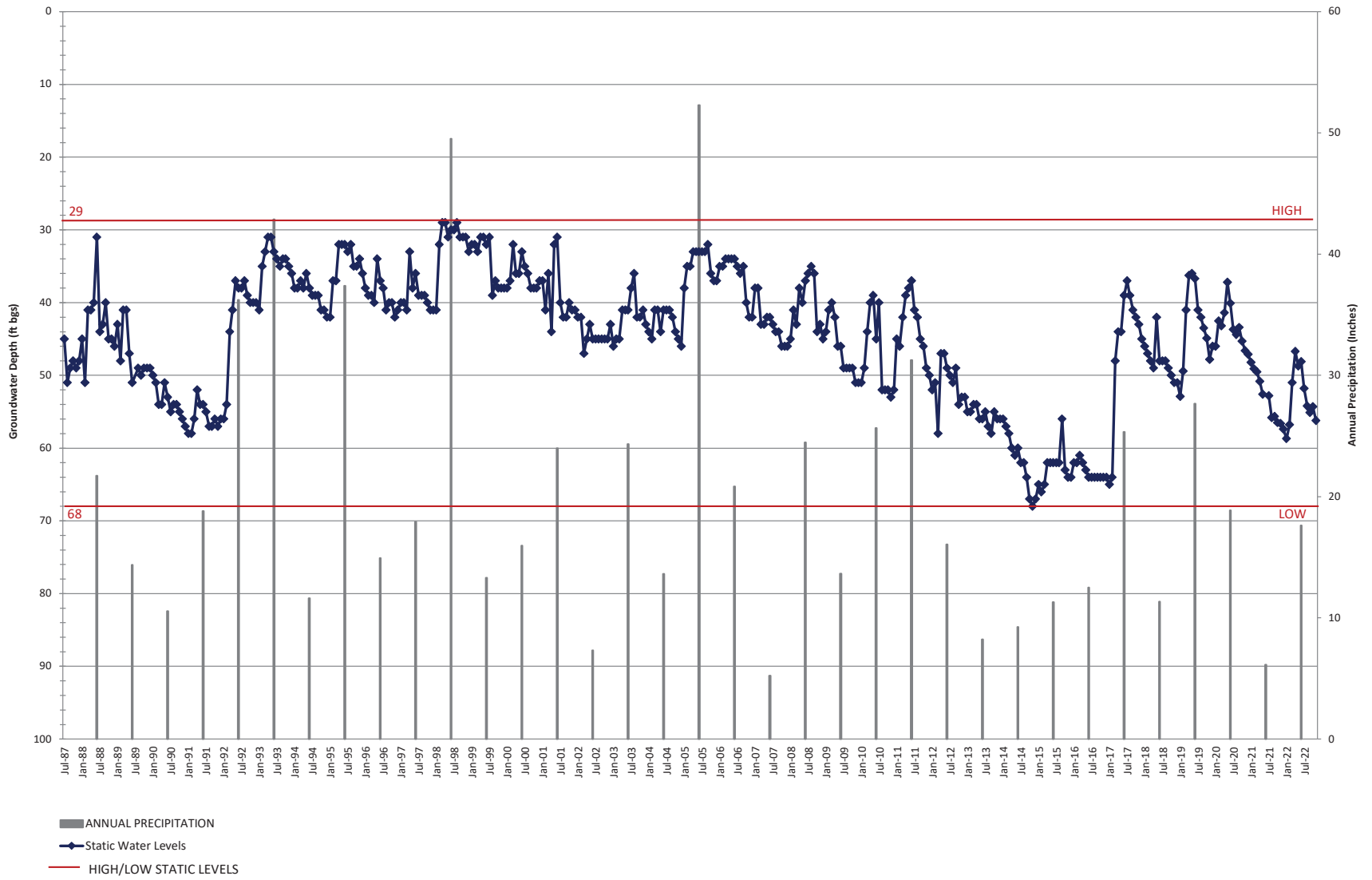
SCV WATER WELL C7
 STATIC WATER LEVEL VS PRECIPITATION



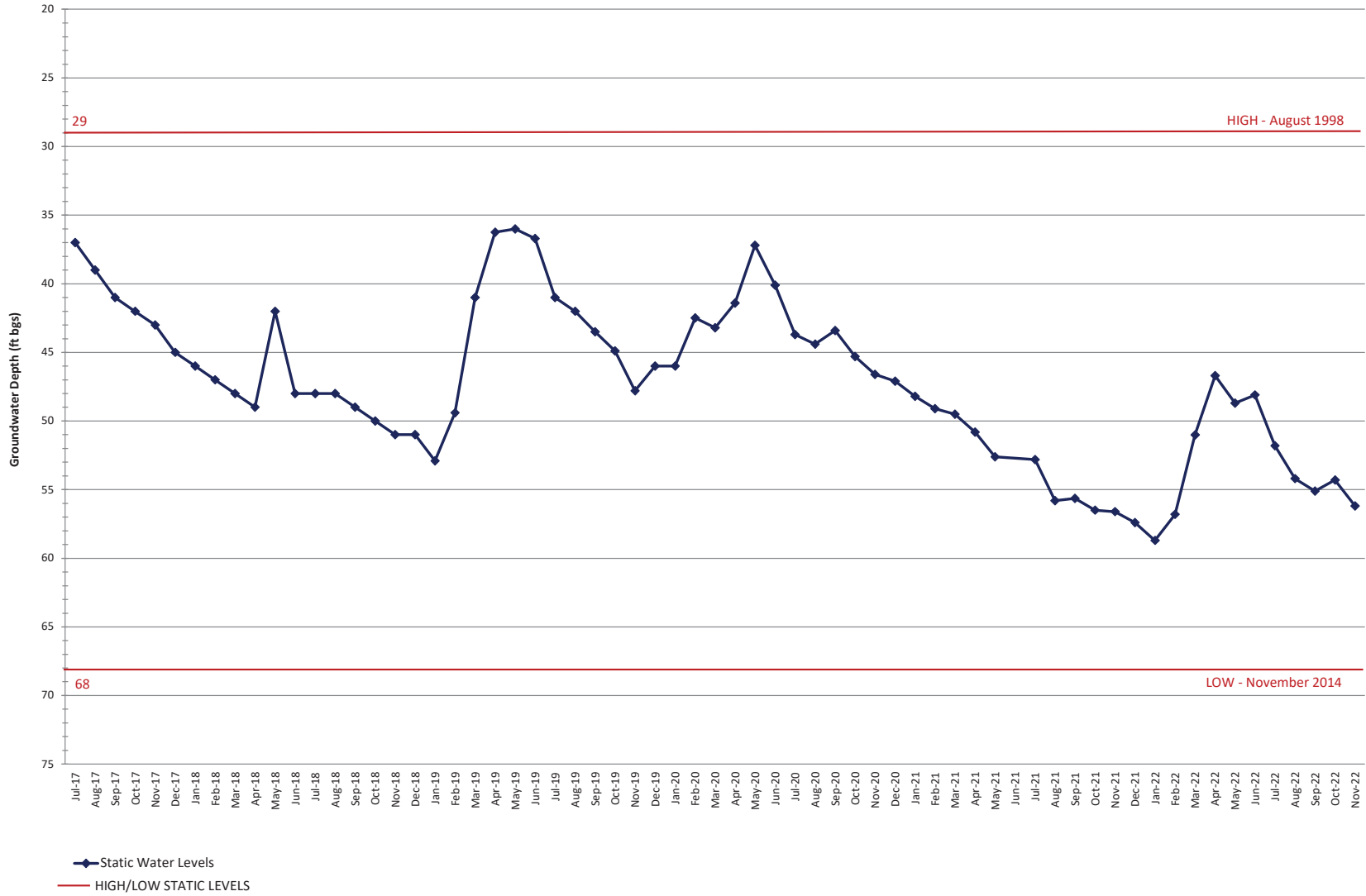
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 STATIC WATER LEVEL



SCV WATER WELL C2
 STATIC WATER LEVEL VS PRECIPITATION



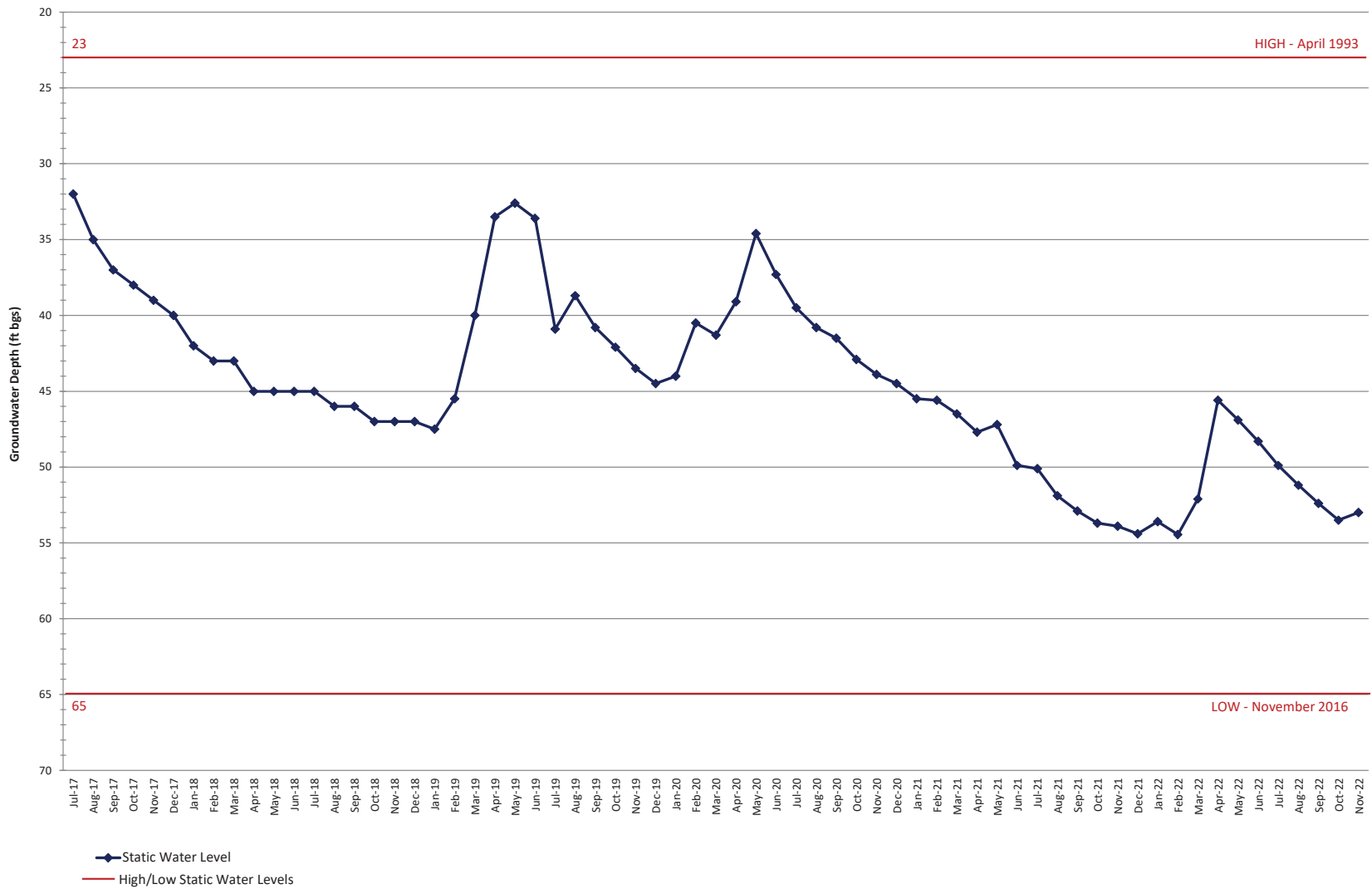
SCV WATER WELL C2
 STATIC WATER LEVEL



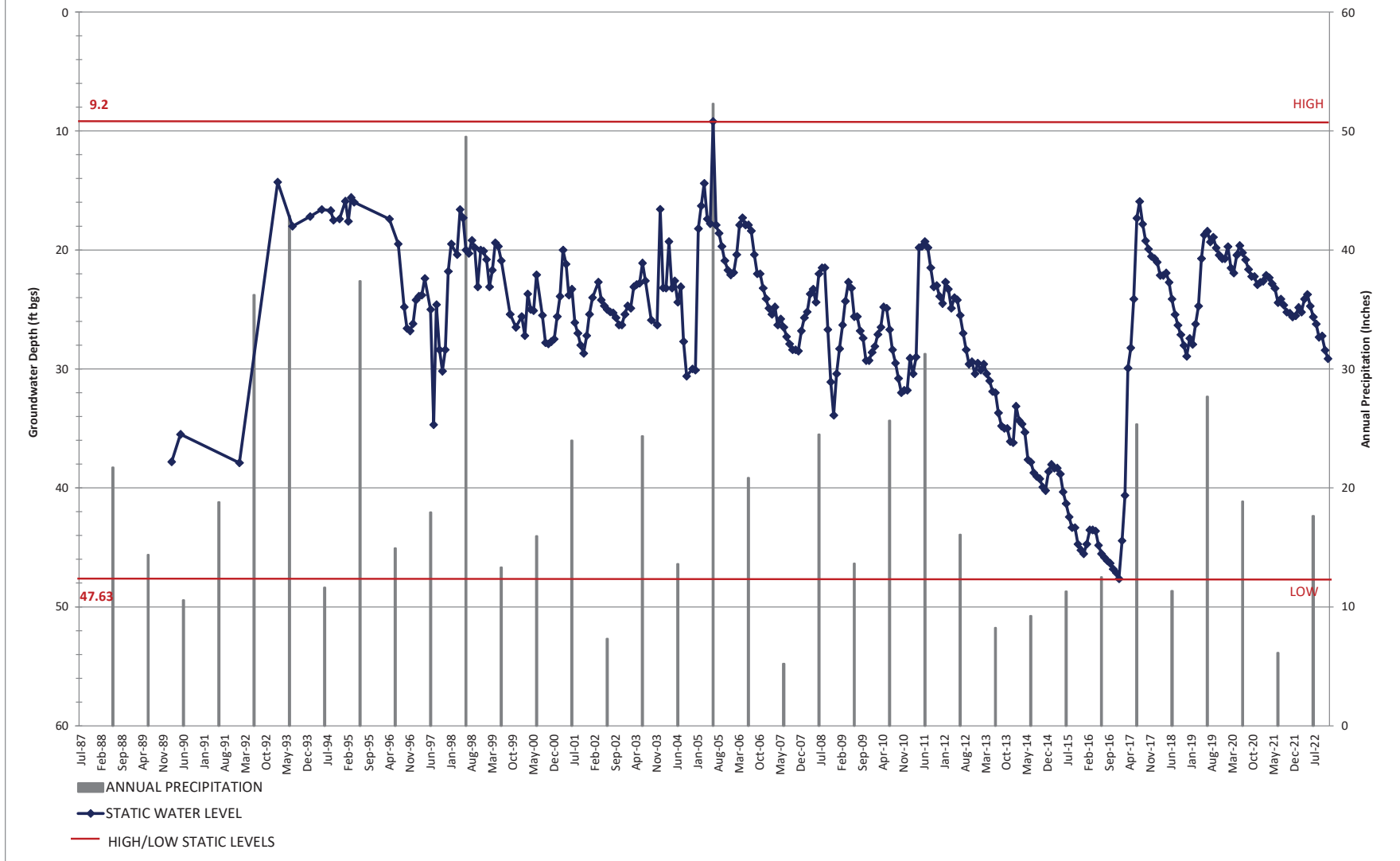
SCV WATER WELL C1
 STATIC WATER LEVEL VS PRECIPITATION



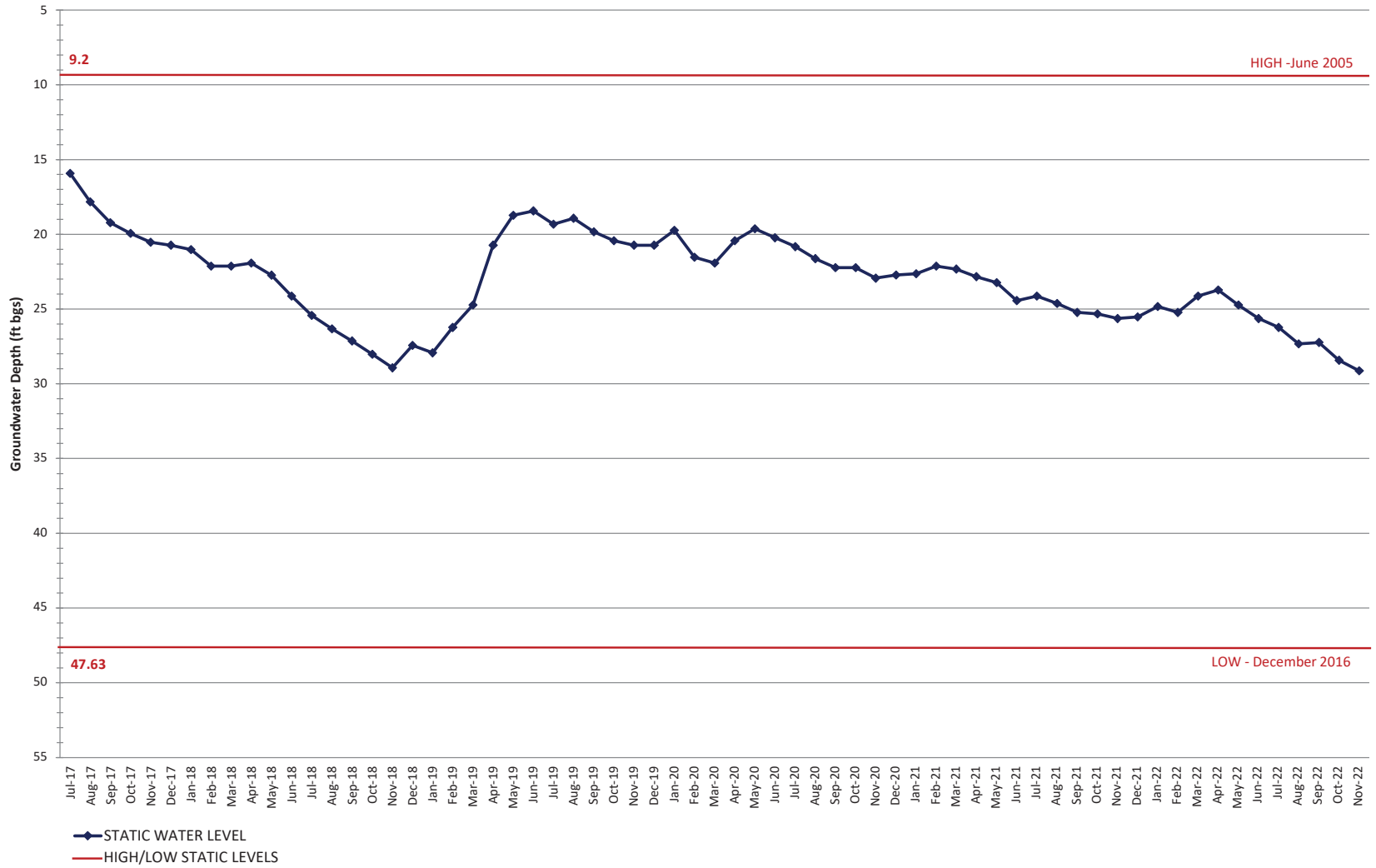
SCV WATER WELL C1
 STATIC WATER LEVEL



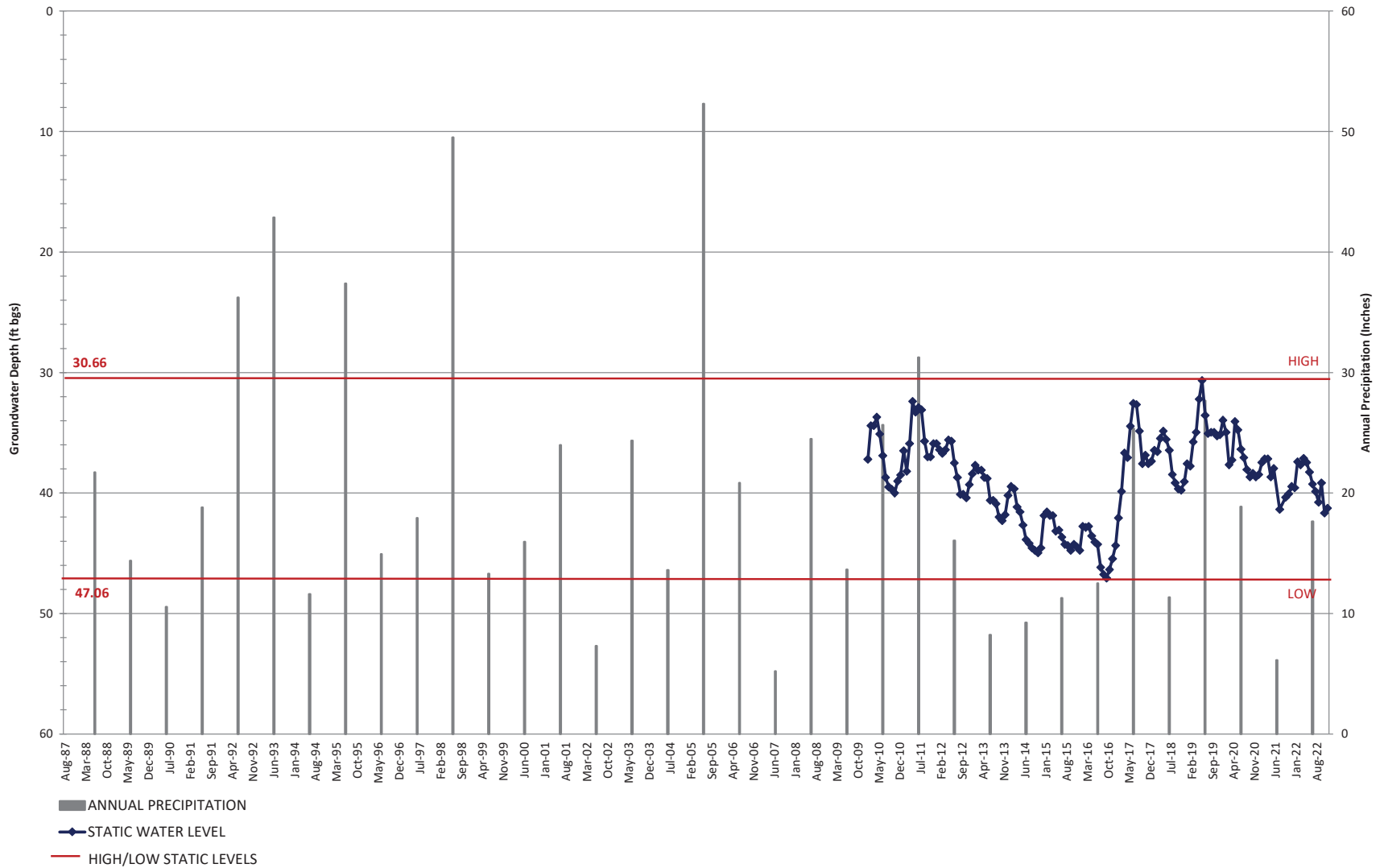
SCV WATER WELL D
 STATIC WATER LEVEL VS PRECIPITATION



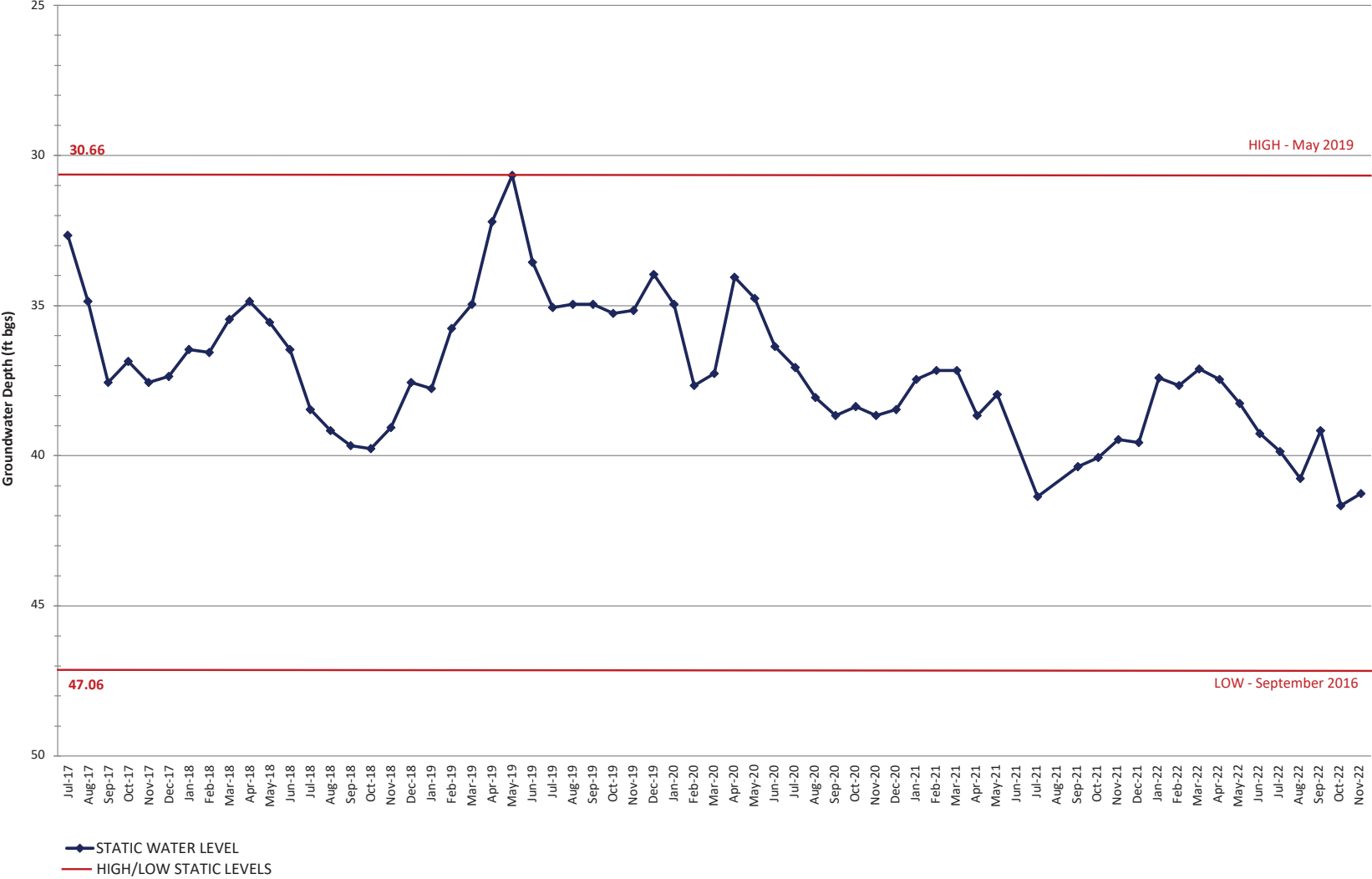
SCV WATER WELL D
 STATIC WATER LEVEL



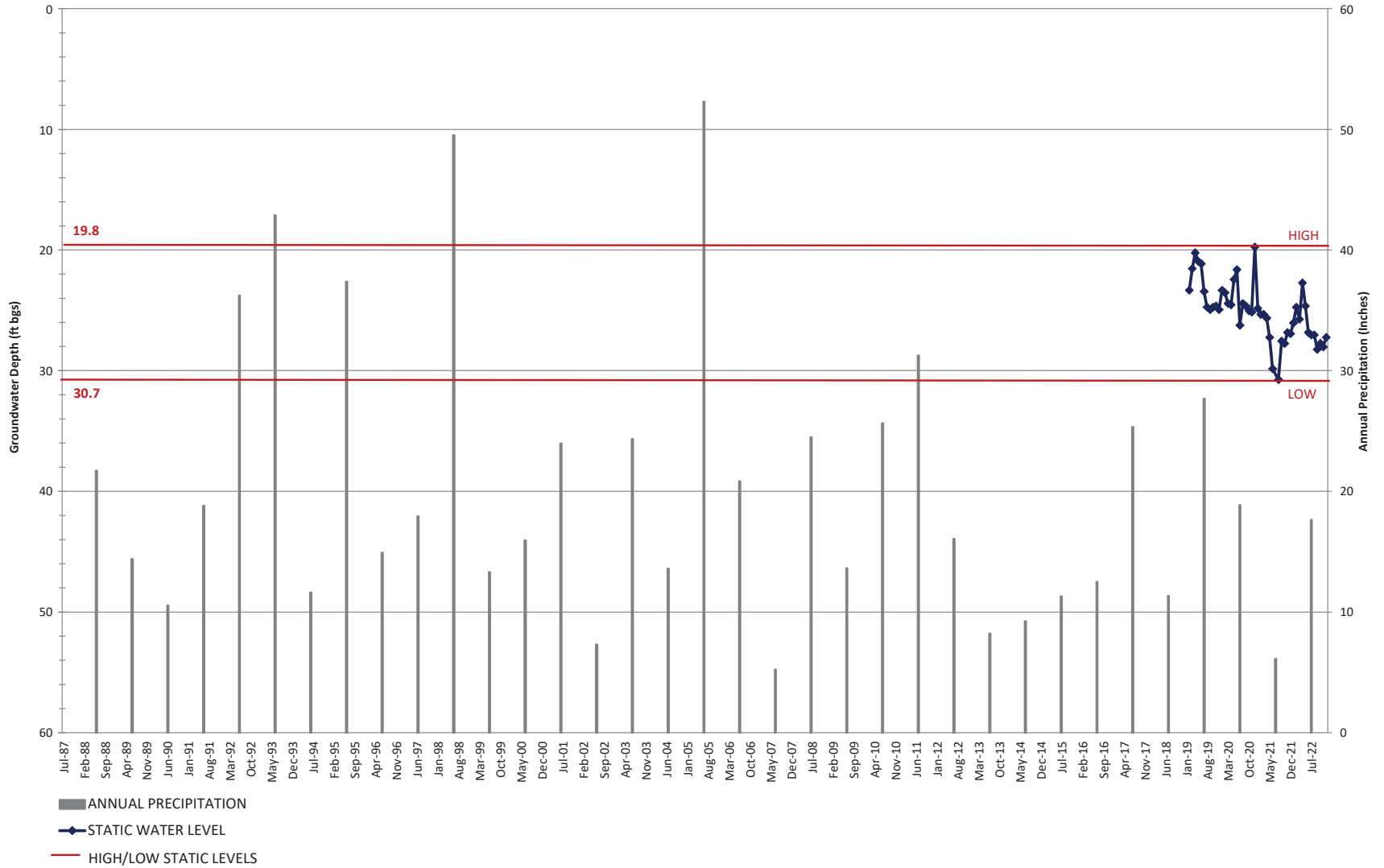
SCV WATER WELL E15
 STATIC WATER LEVEL VS. PRECIPITATION



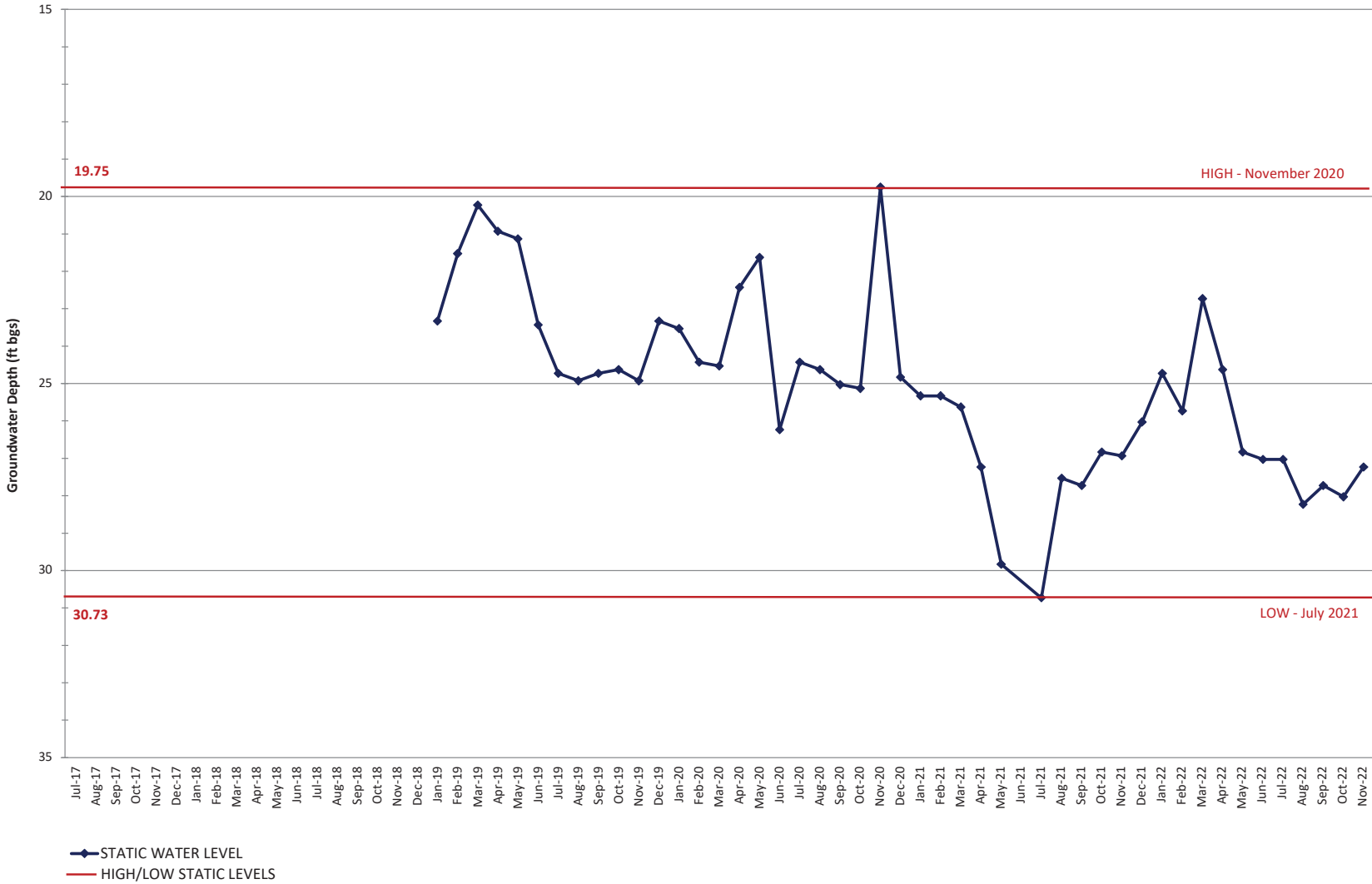
SCV WATER WELL E15
STATIC WATER LEVEL



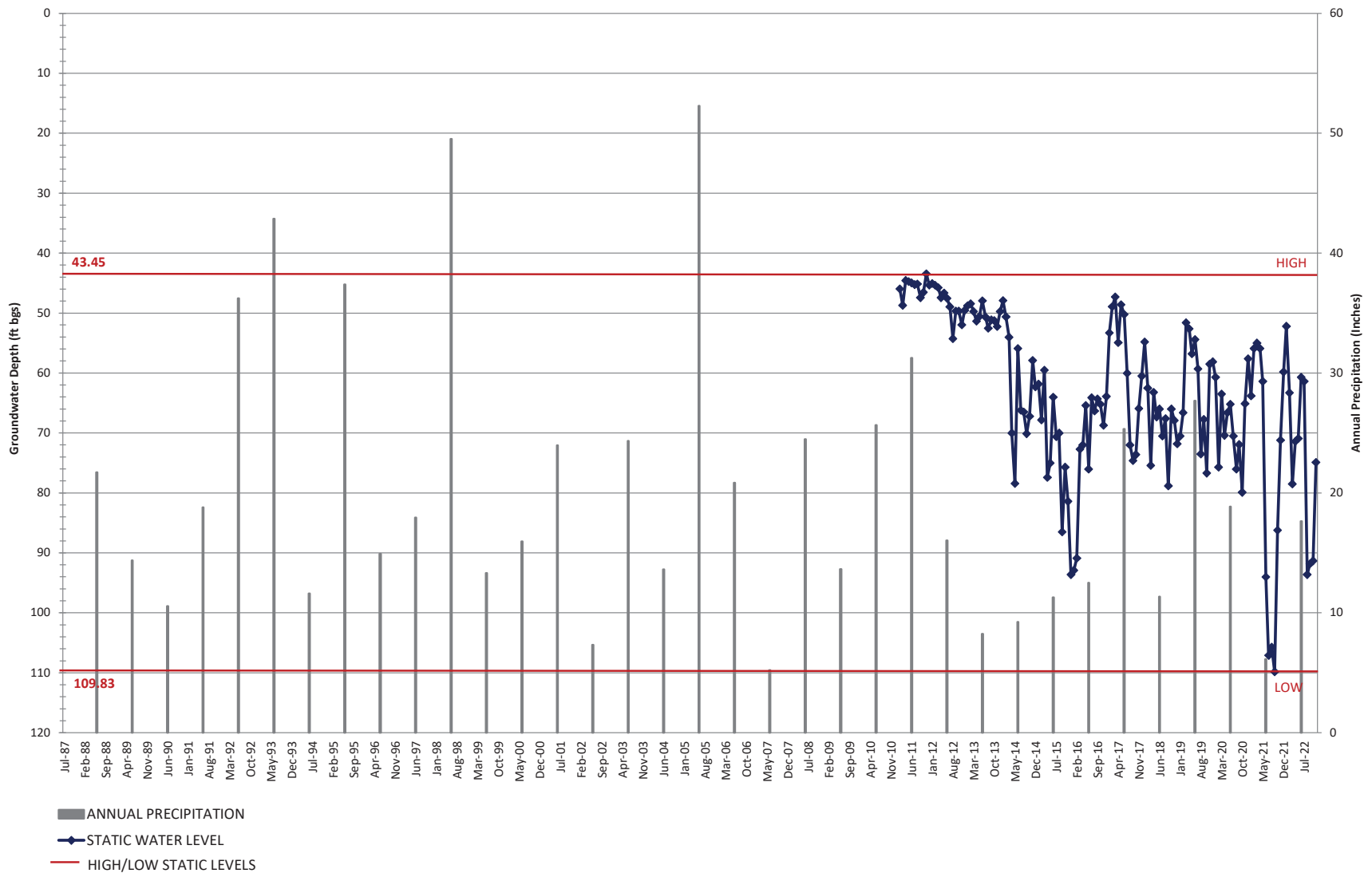
SCV WATER WELL E17
 STATIC WATER LEVEL VS. PRECIPITATION



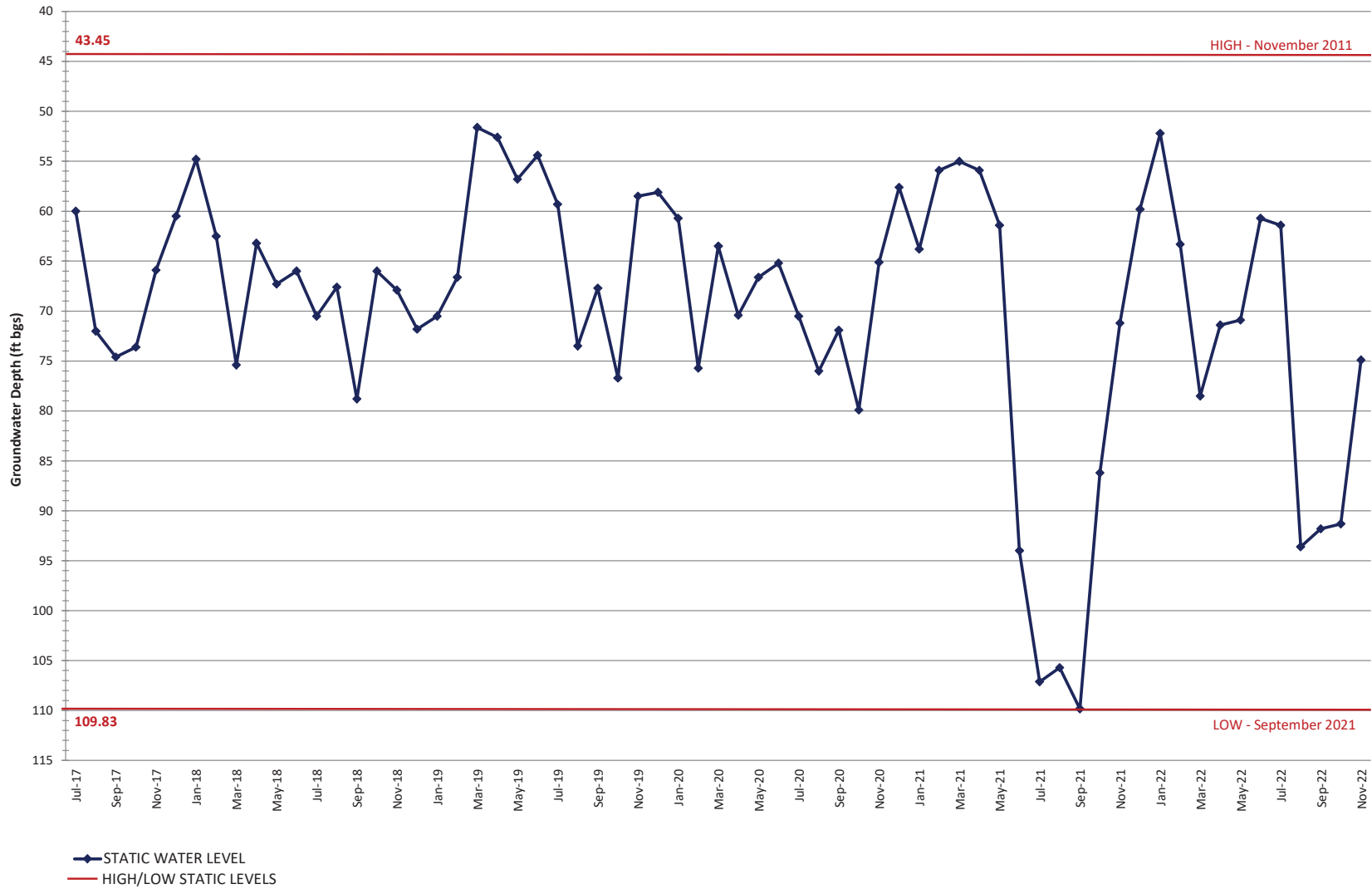
SCV WATER WELL E17
STATIC WATER LEVEL



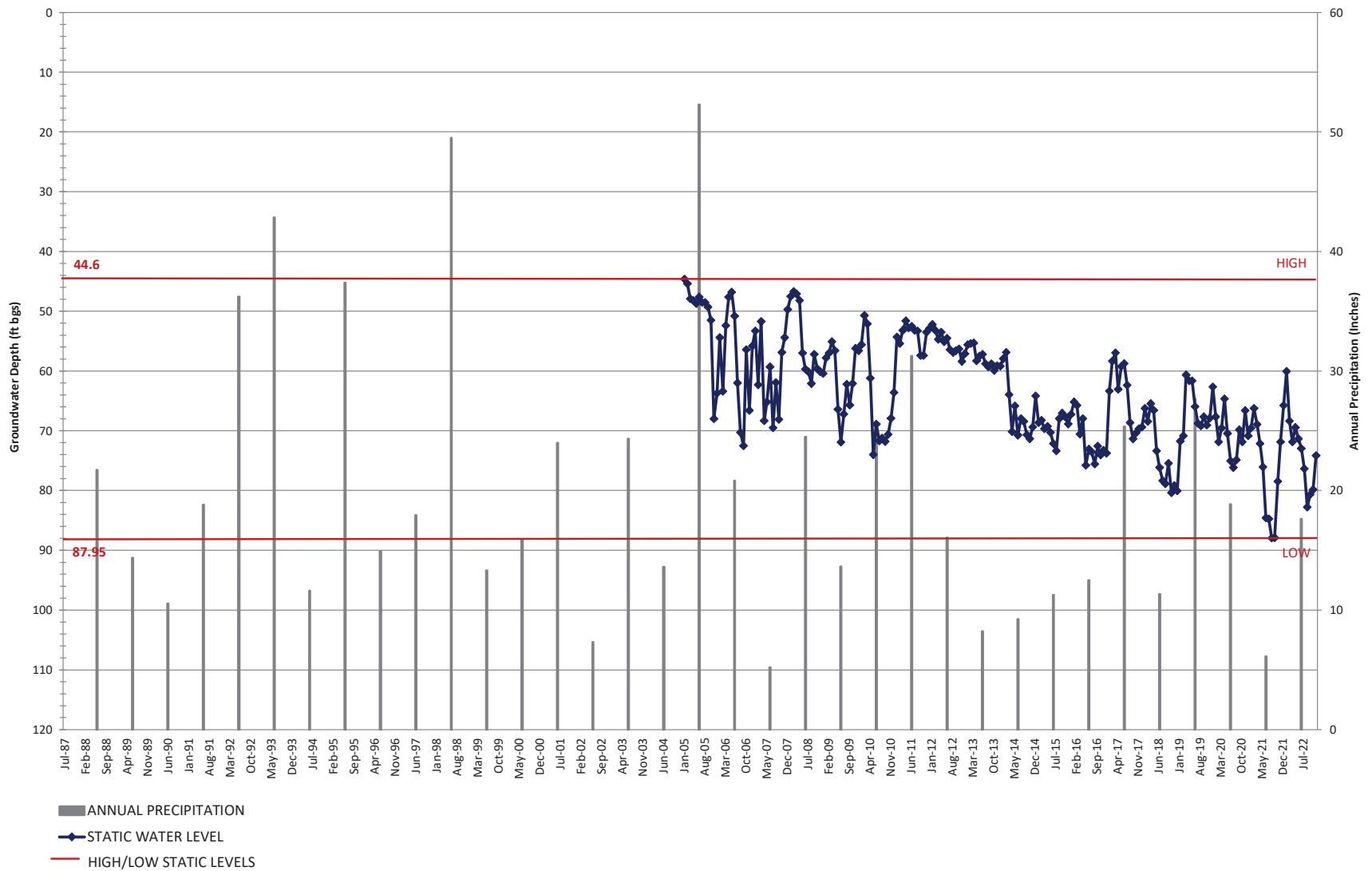
SCV WATER WELL 207
 STATIC WATER LEVEL VS PRECIPITATION



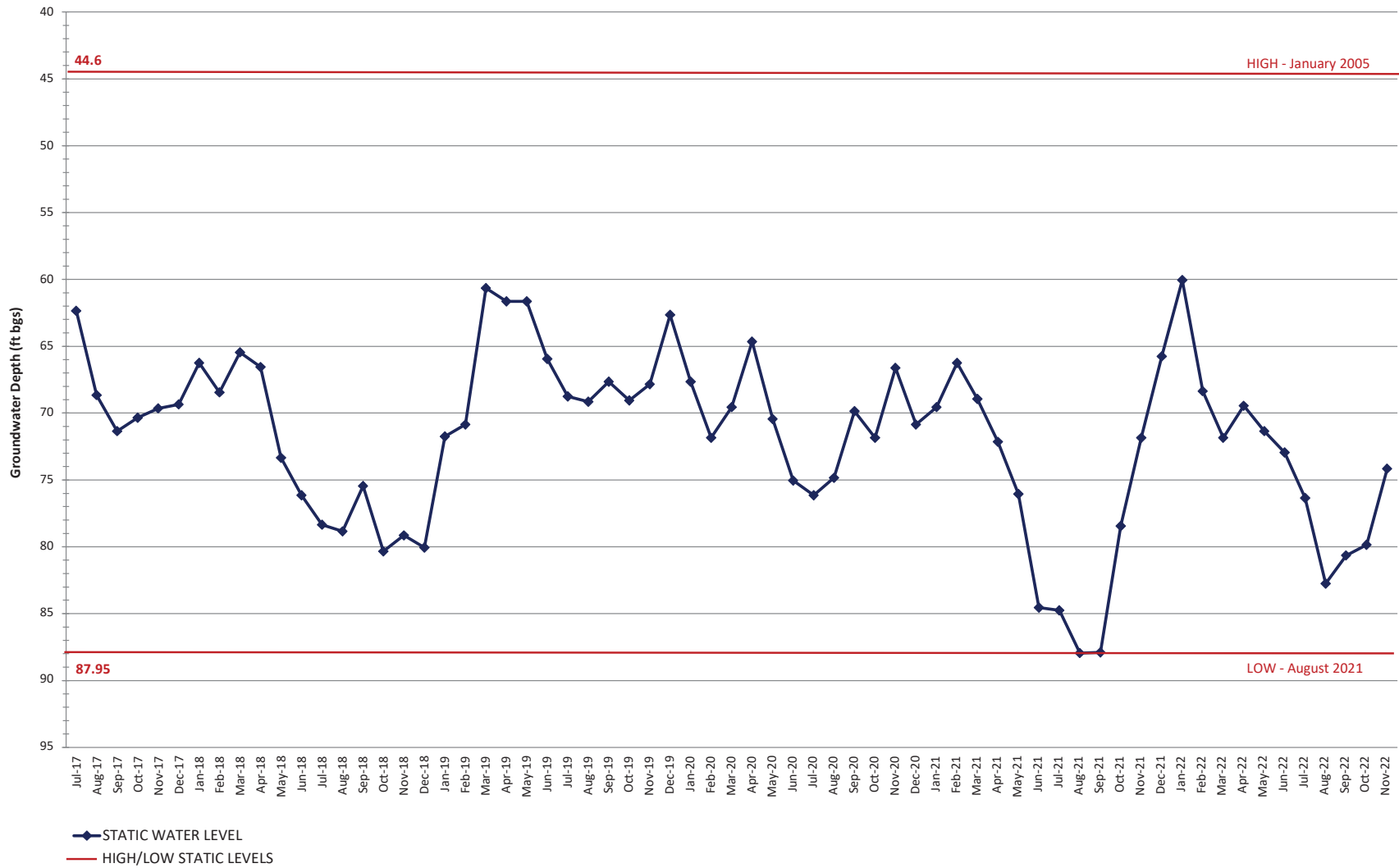
SCV WATER WELL 207
STATIC WATER LEVEL



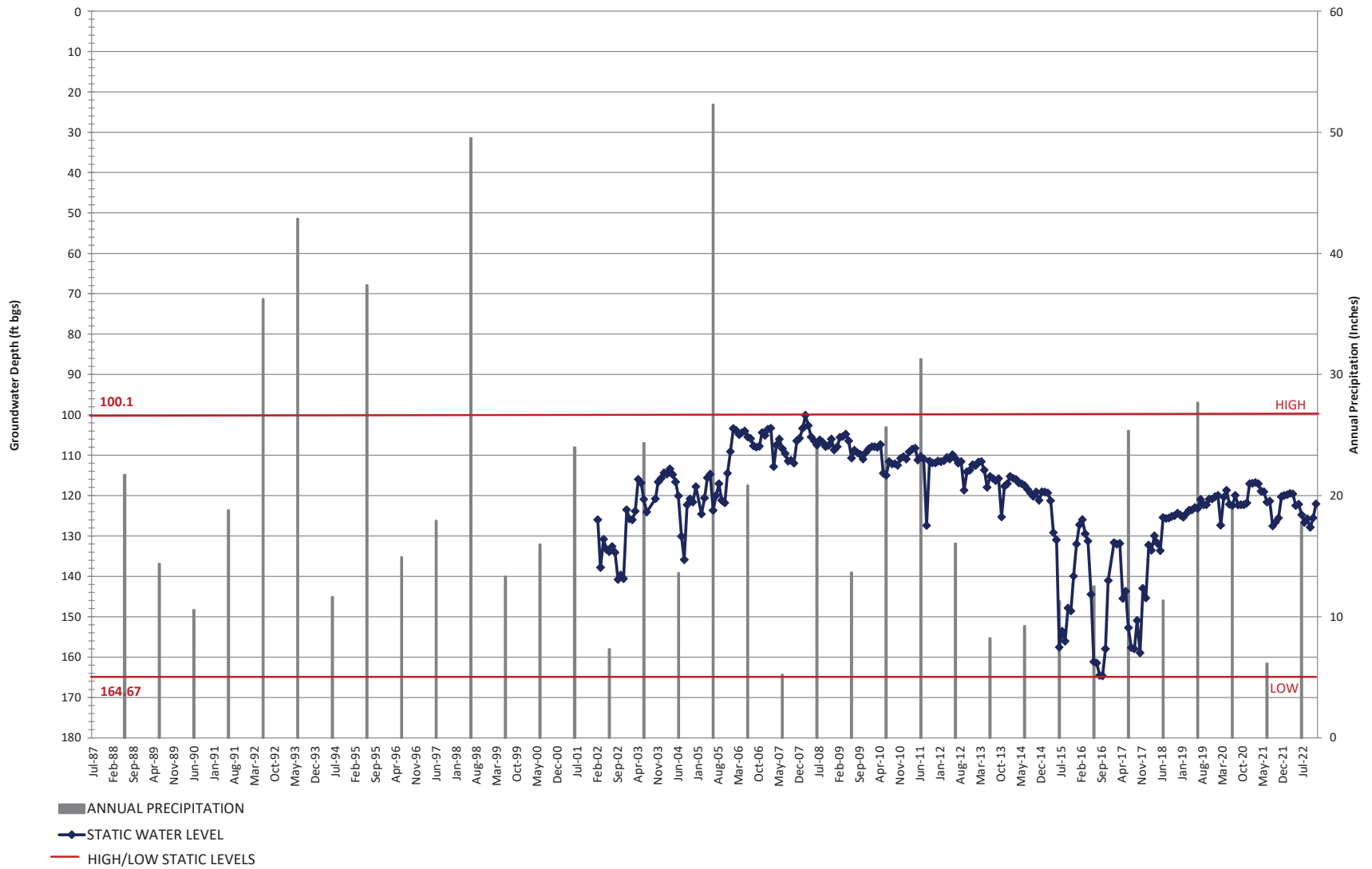
SCV WATER WELL 206
 STATIC WATER LEVEL VS PRECIPITATION



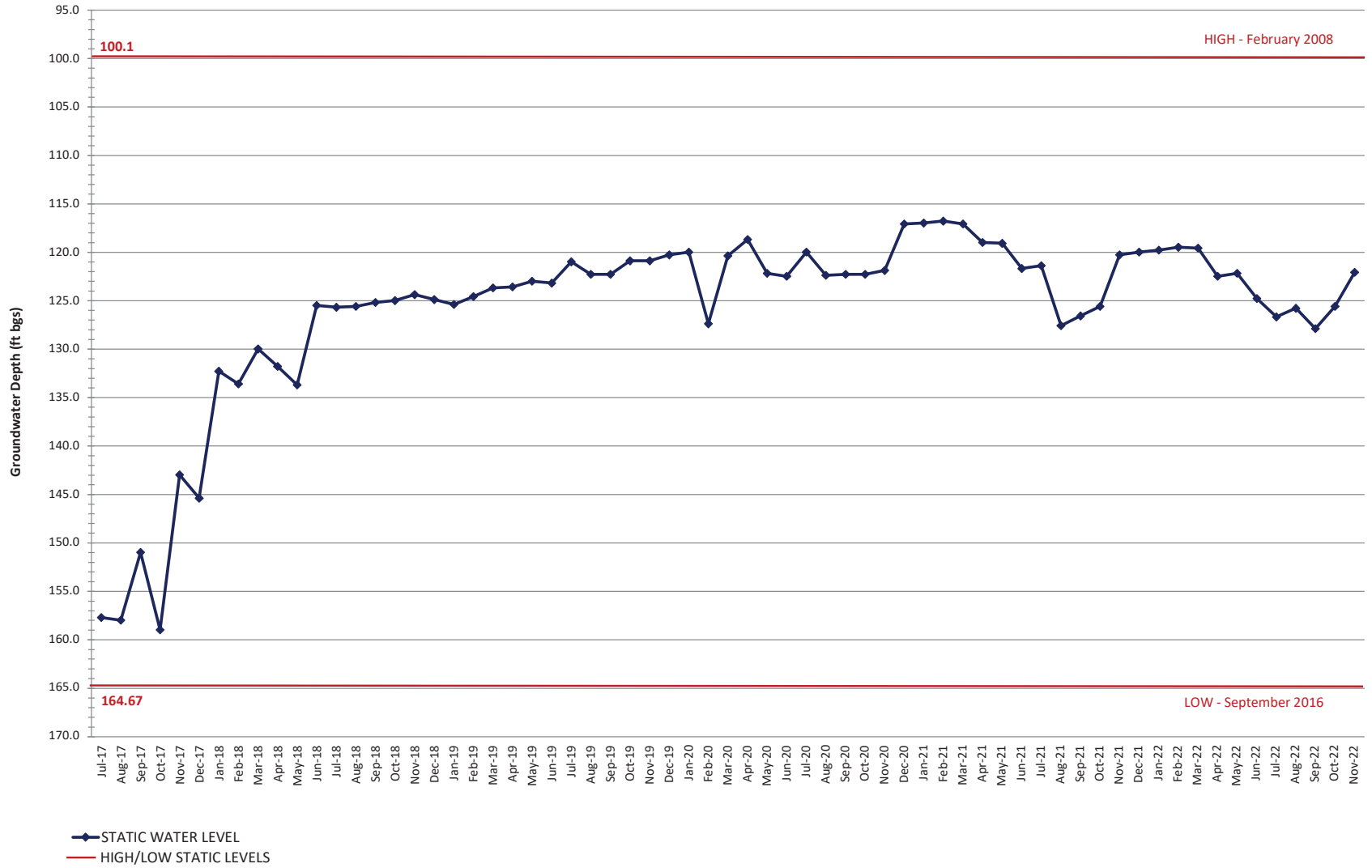
SCV WATER WELL 206
 STATIC WATER LEVEL



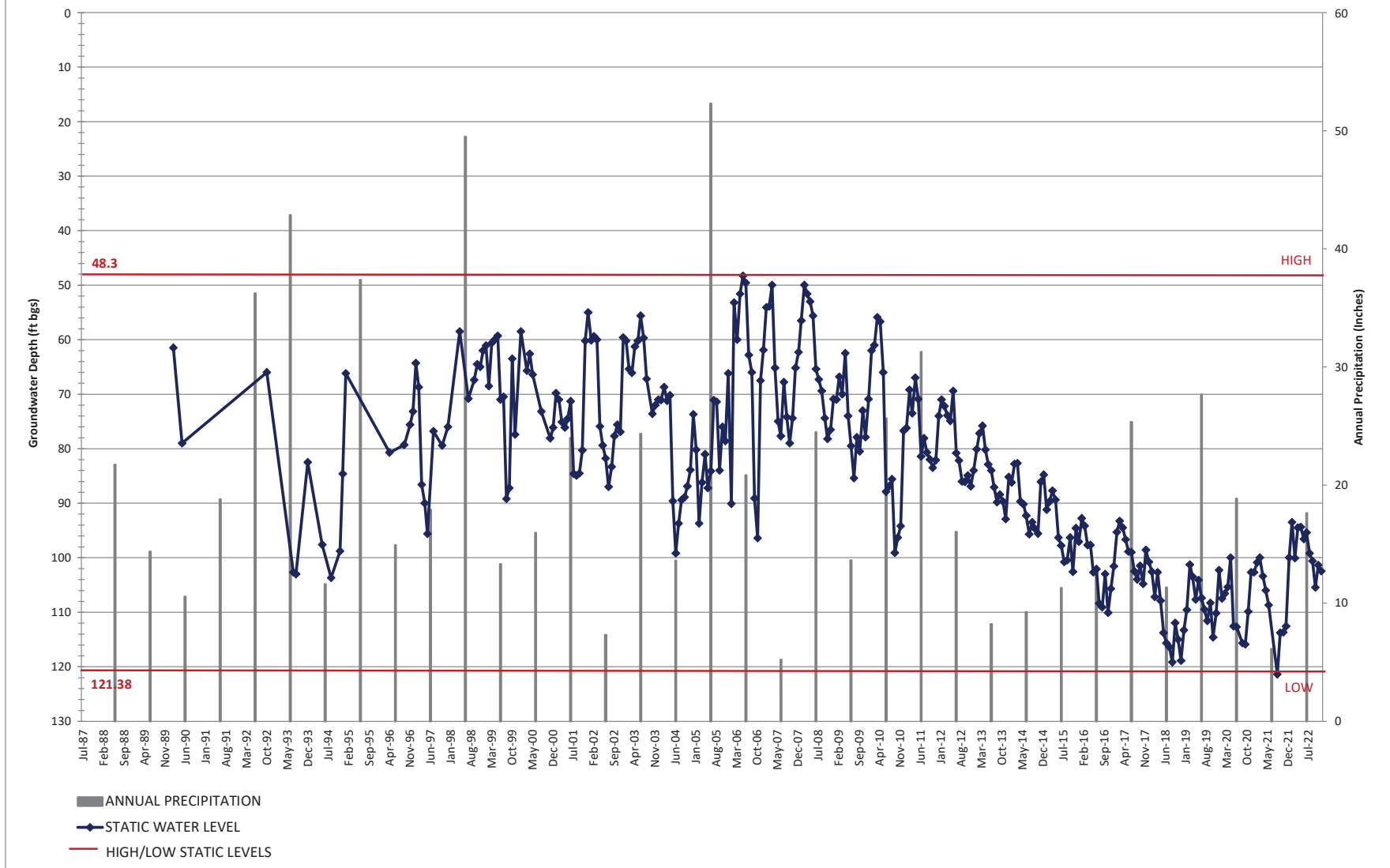
SCV WATER WELL 159
 STATIC WATER LEVEL VS PRECIPITATION



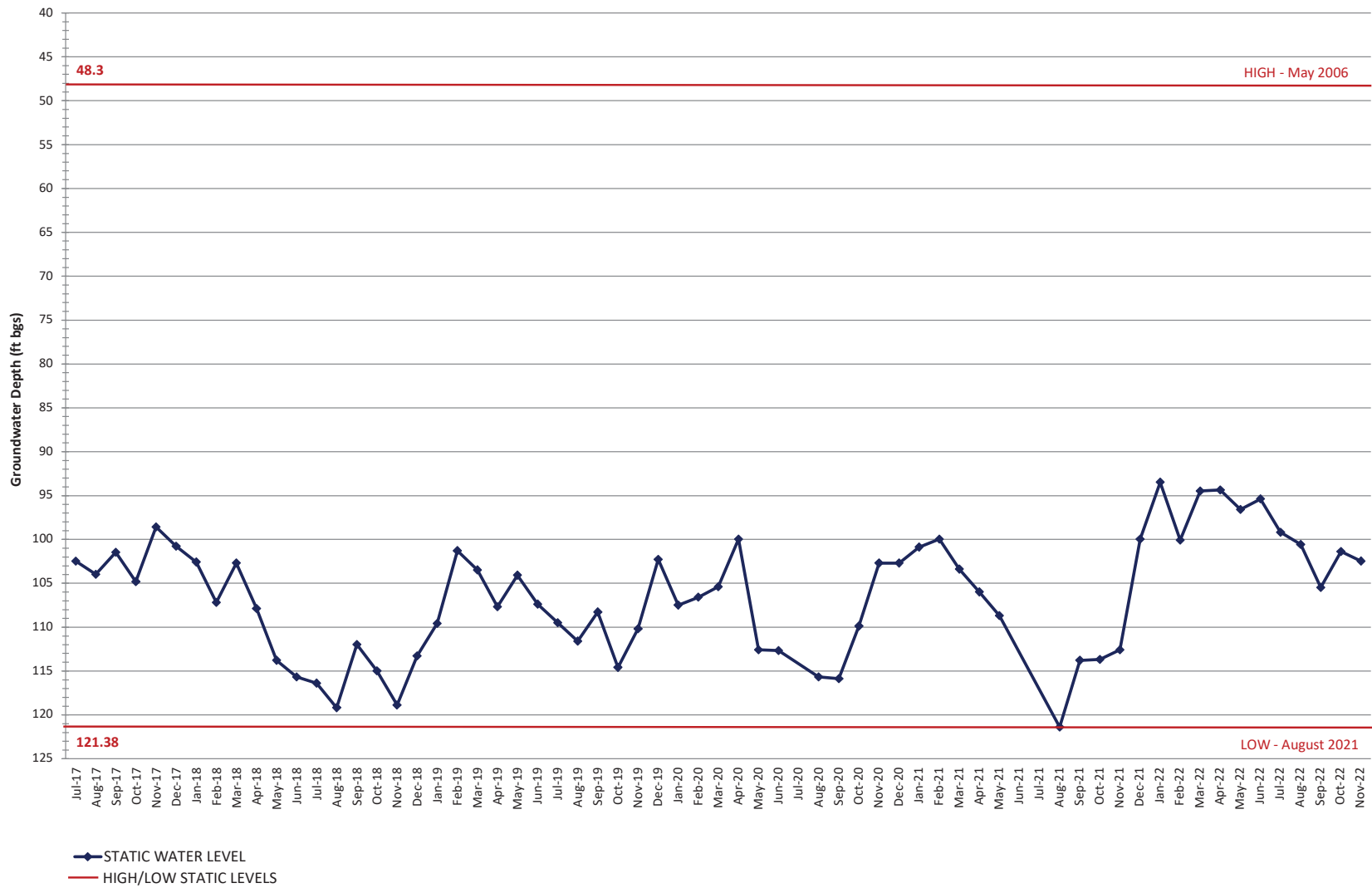
SCV WATER WELL 159
 STATIC WATER LEVEL



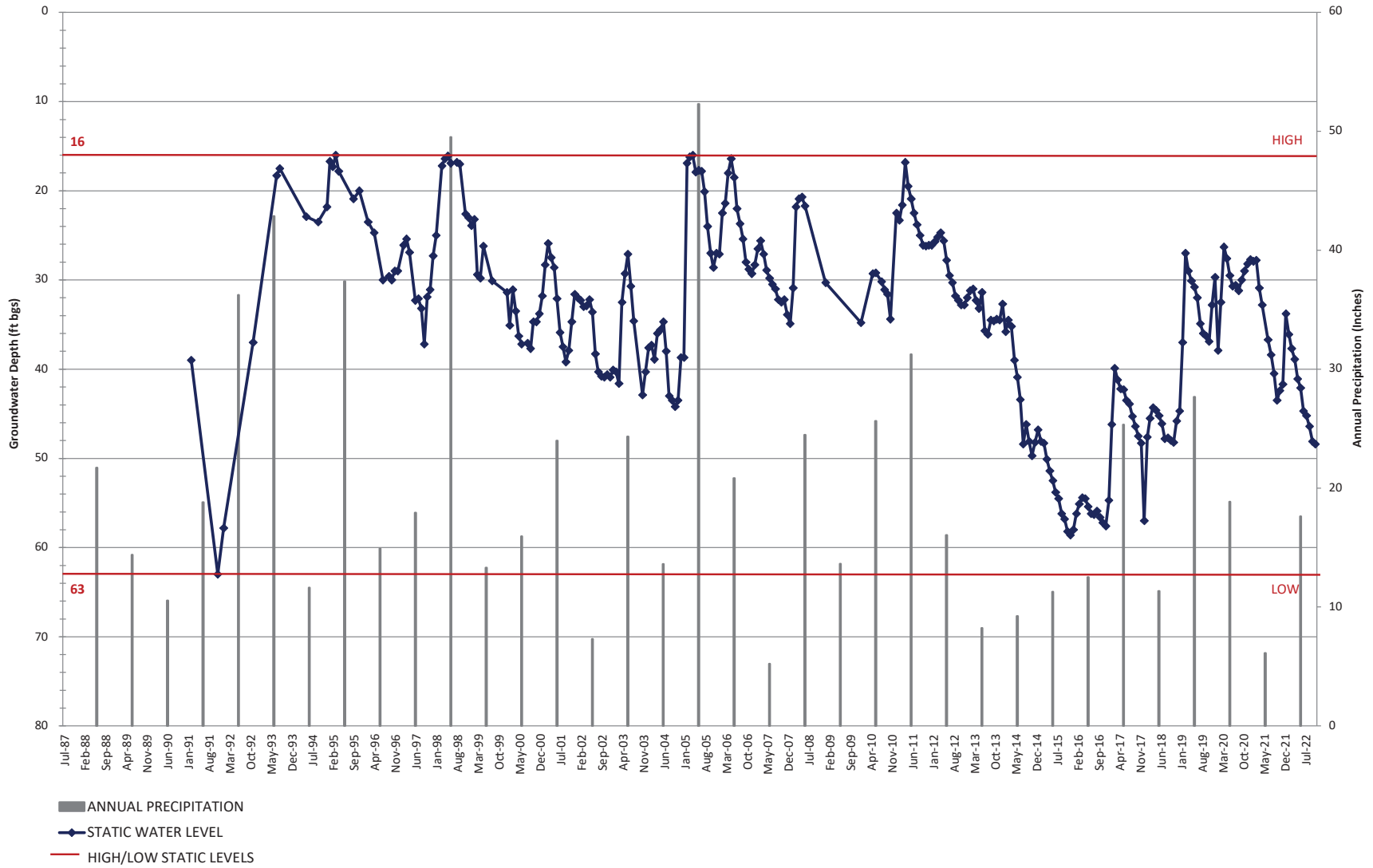
SCV WATER WELL 160
 STATIC WATER LEVEL VS PRECIPITATION



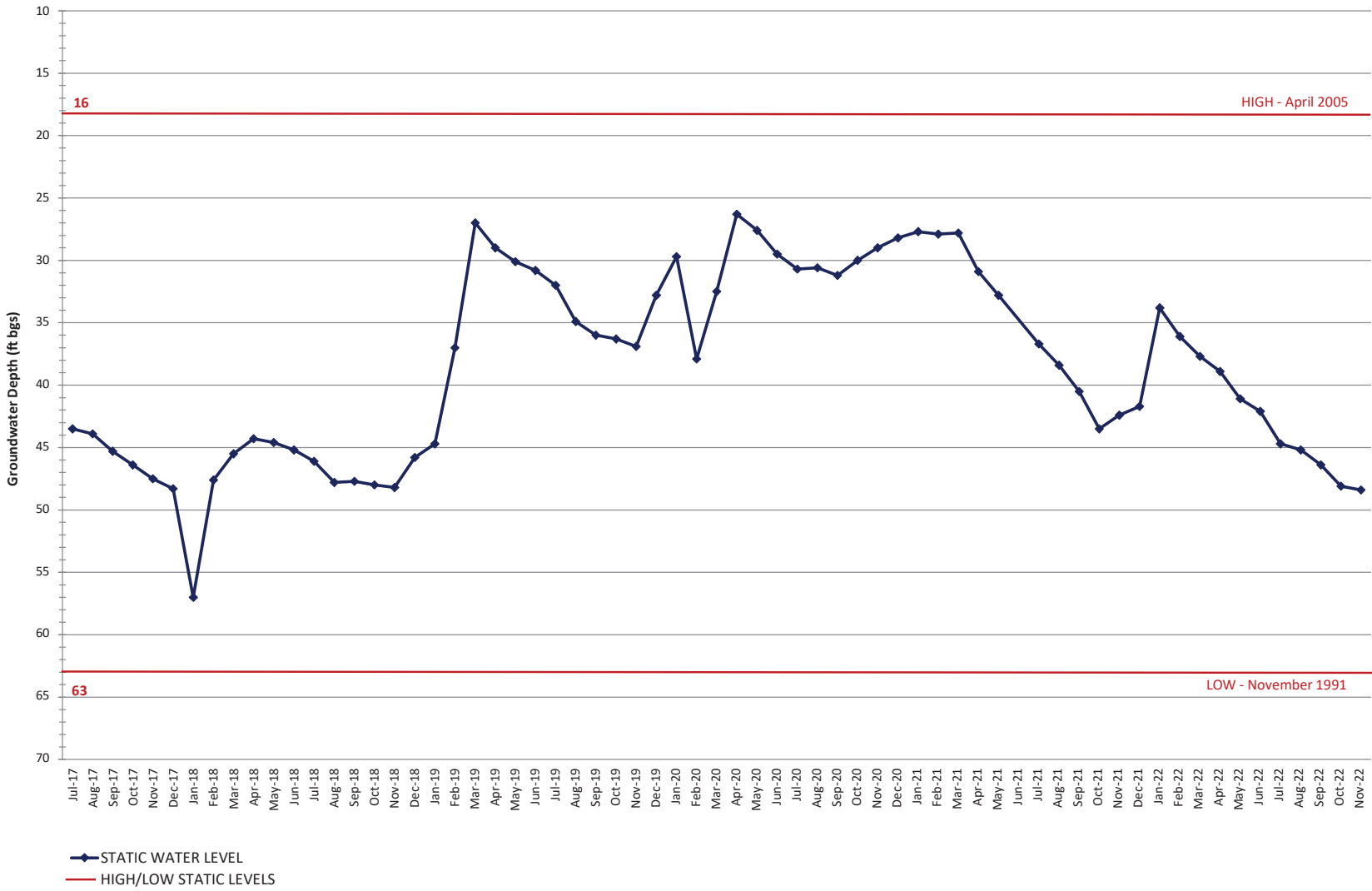
SCV WATER WELL 160
 STATIC WATER LEVEL



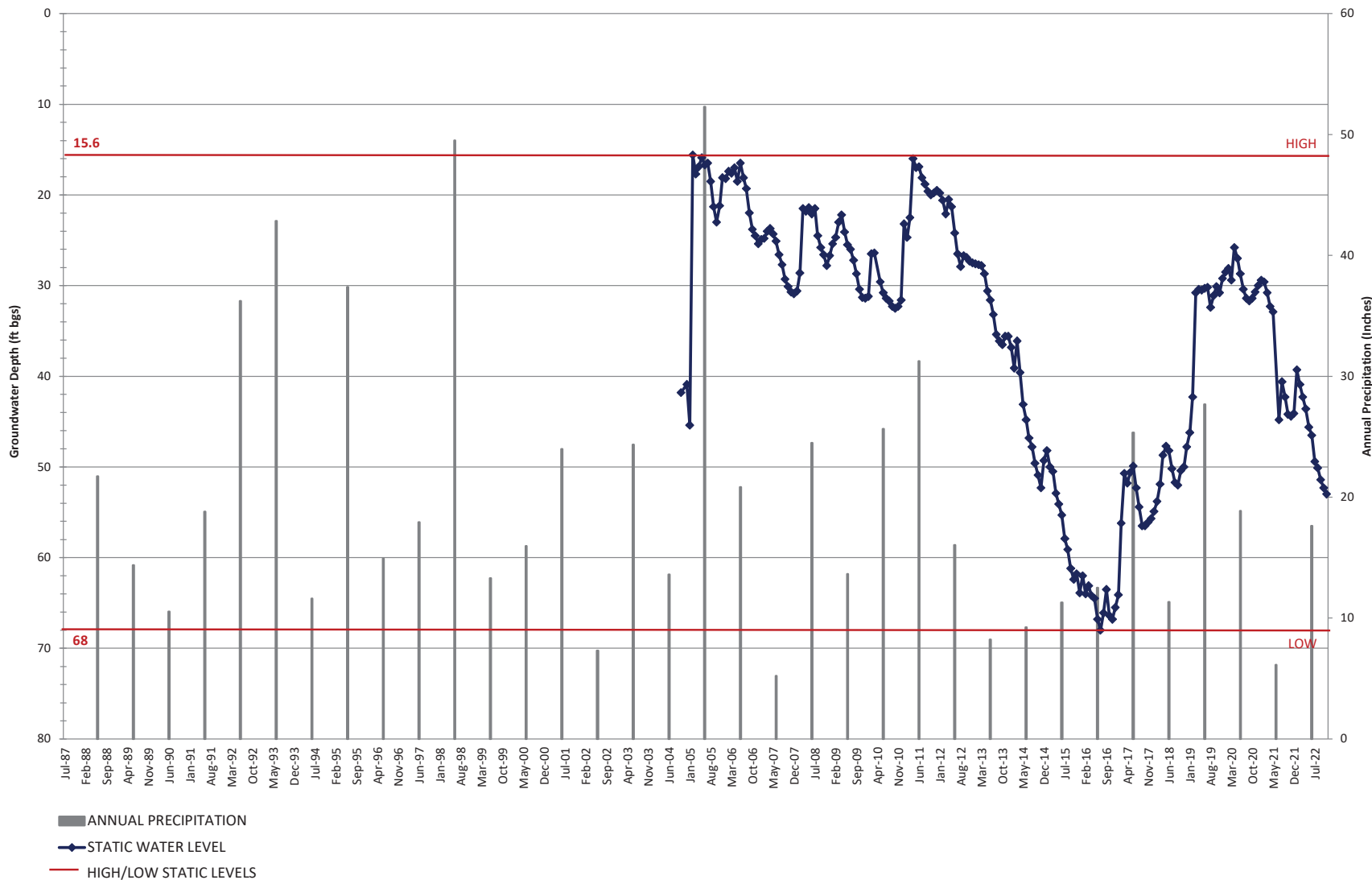
SCV WATER WELL W9
 STATIC WATER LEVEL VS PRECIPITATION



SCV WATER WELL W9
STATIC WATER LEVEL



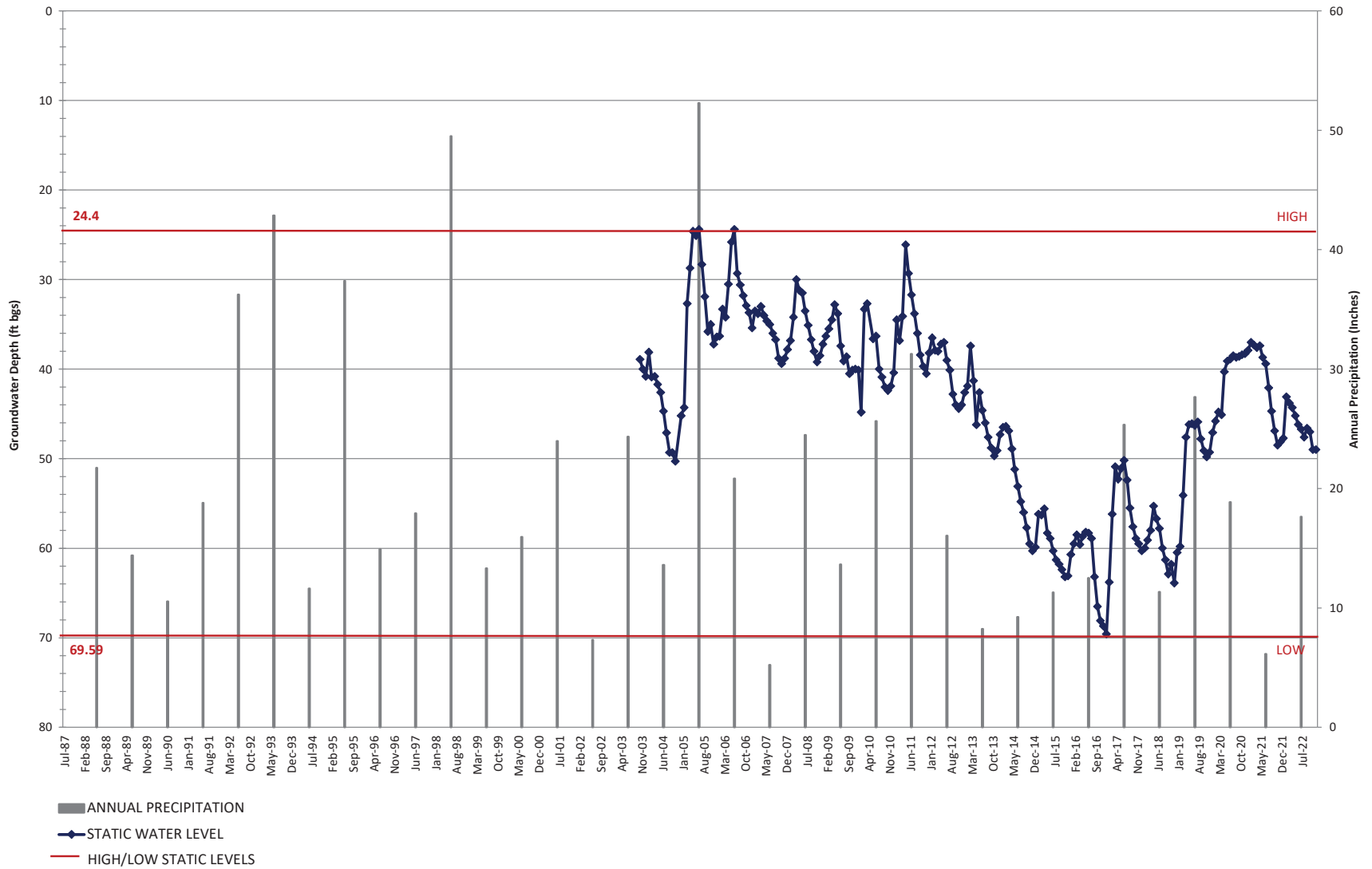
SCV WATER WELL W11
 STATIC WATER LEVEL VS PRECIPITATION



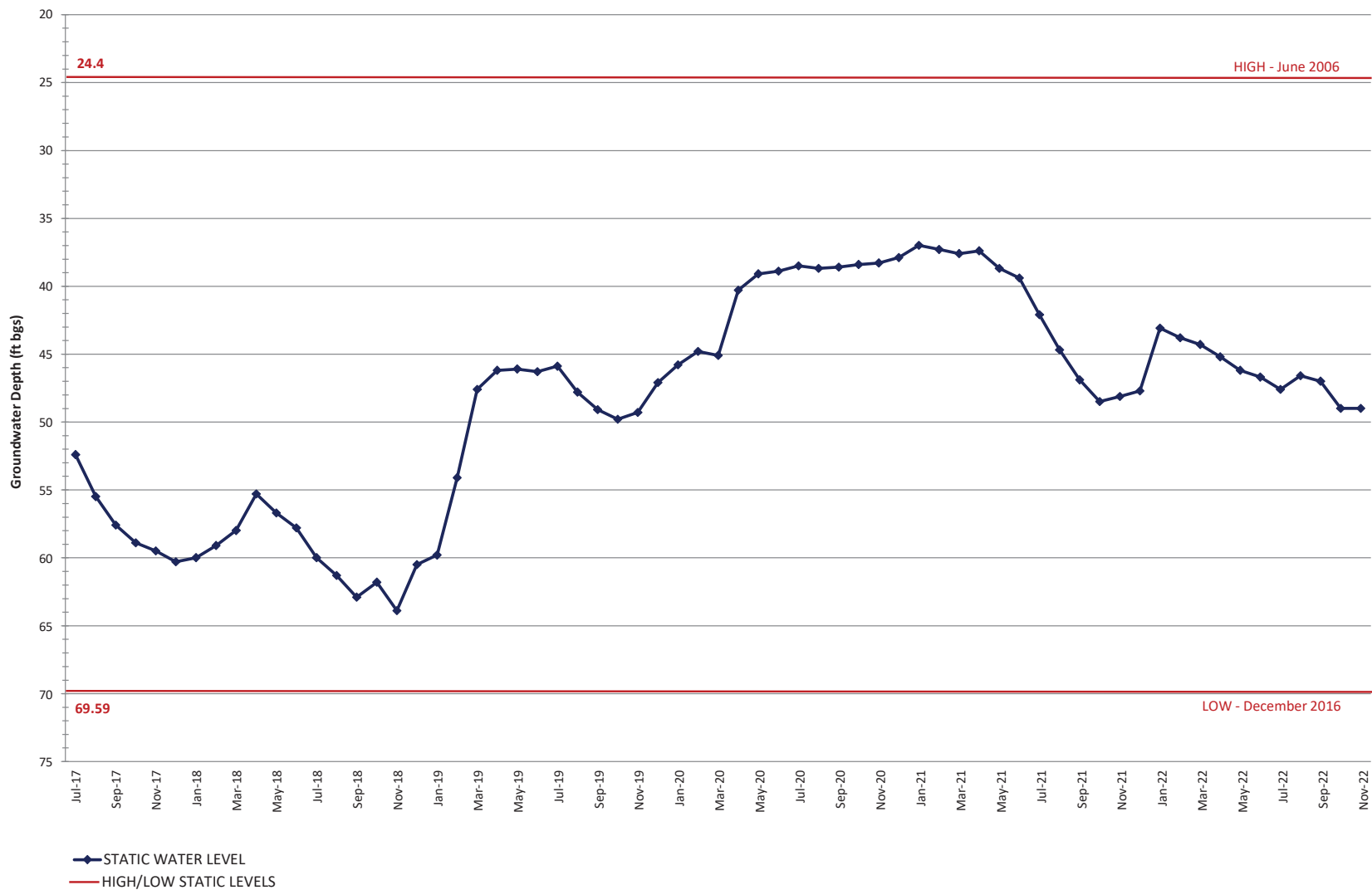
SCV WATER WELL W11
STATIC WATER LEVEL



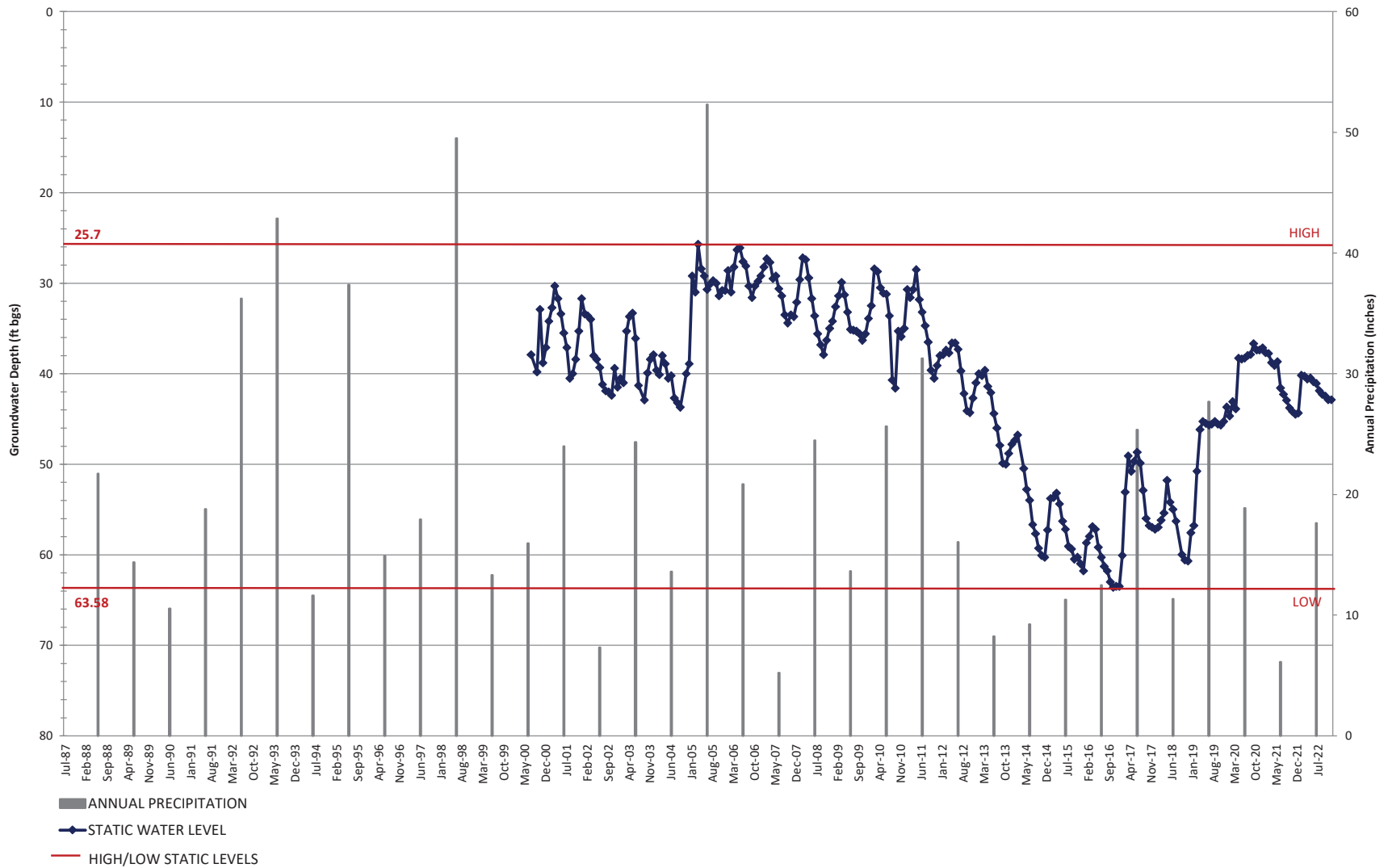
SCV WATER WELL W10
 STATIC WATER LEVEL VS PRECIPITATION



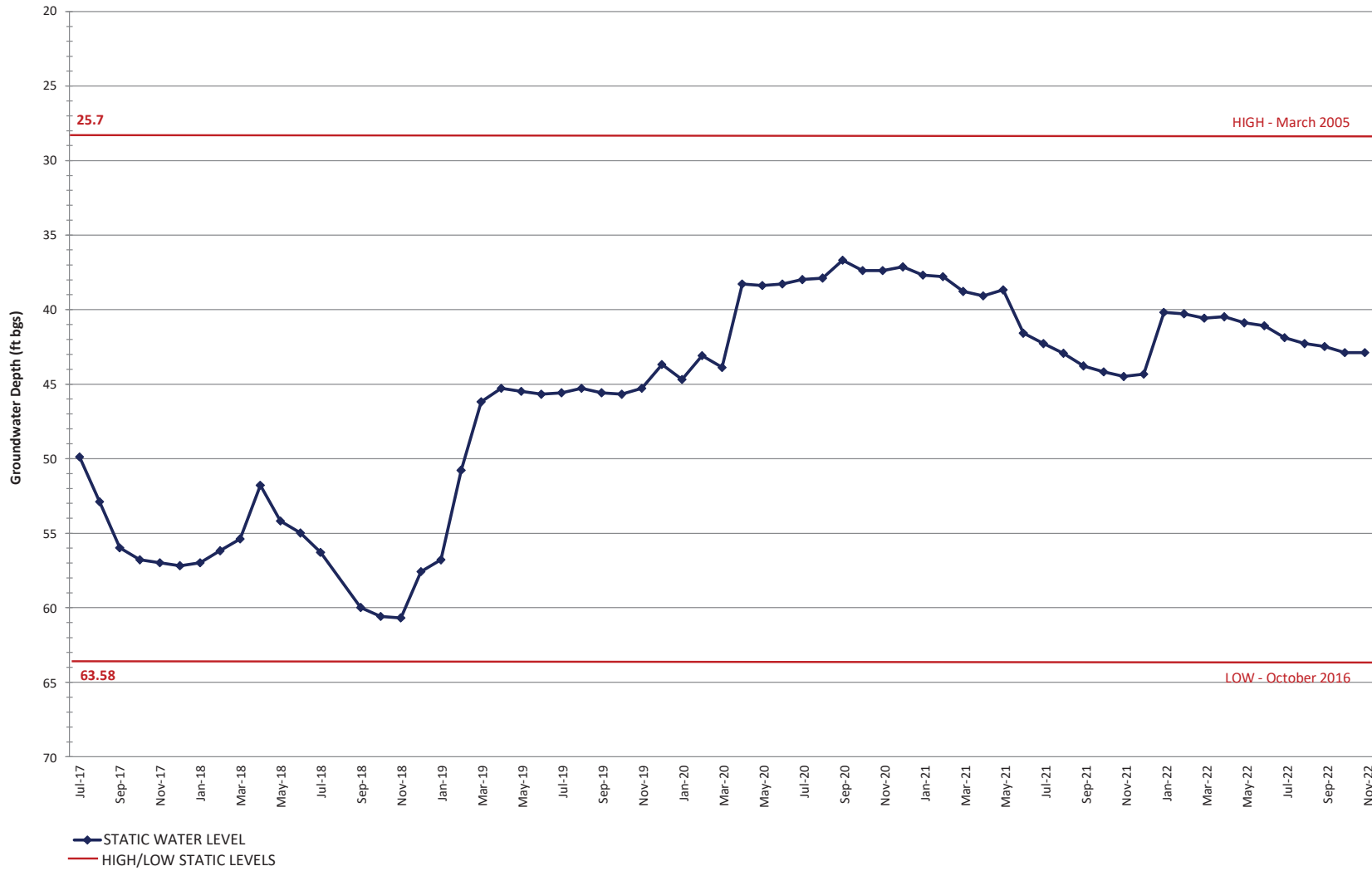
SCV WATER WELL W10
 STATIC WATER LEVEL



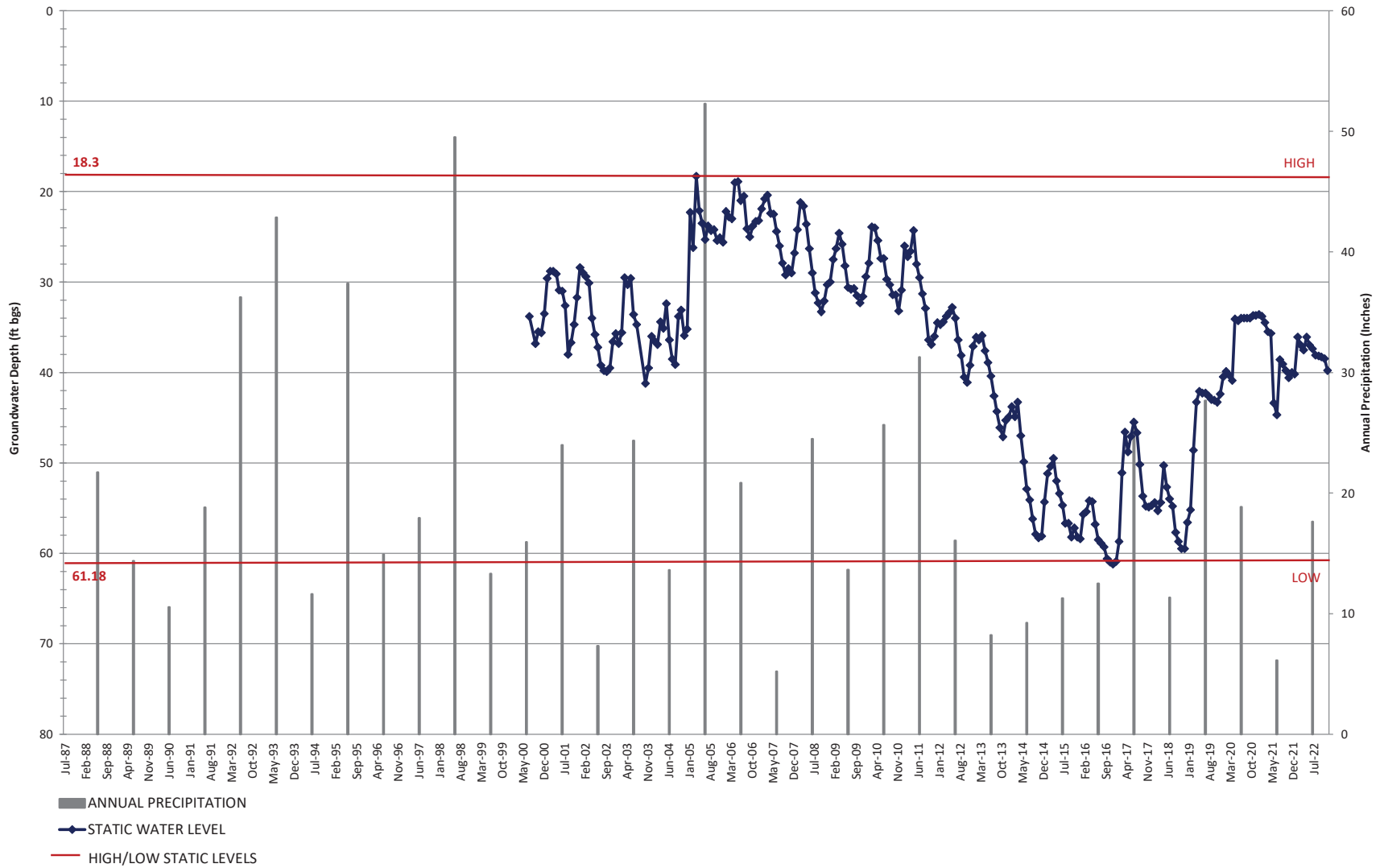
SCV WATER WELL S6
 STATIC WATER LEVEL VS PRECIPITATION



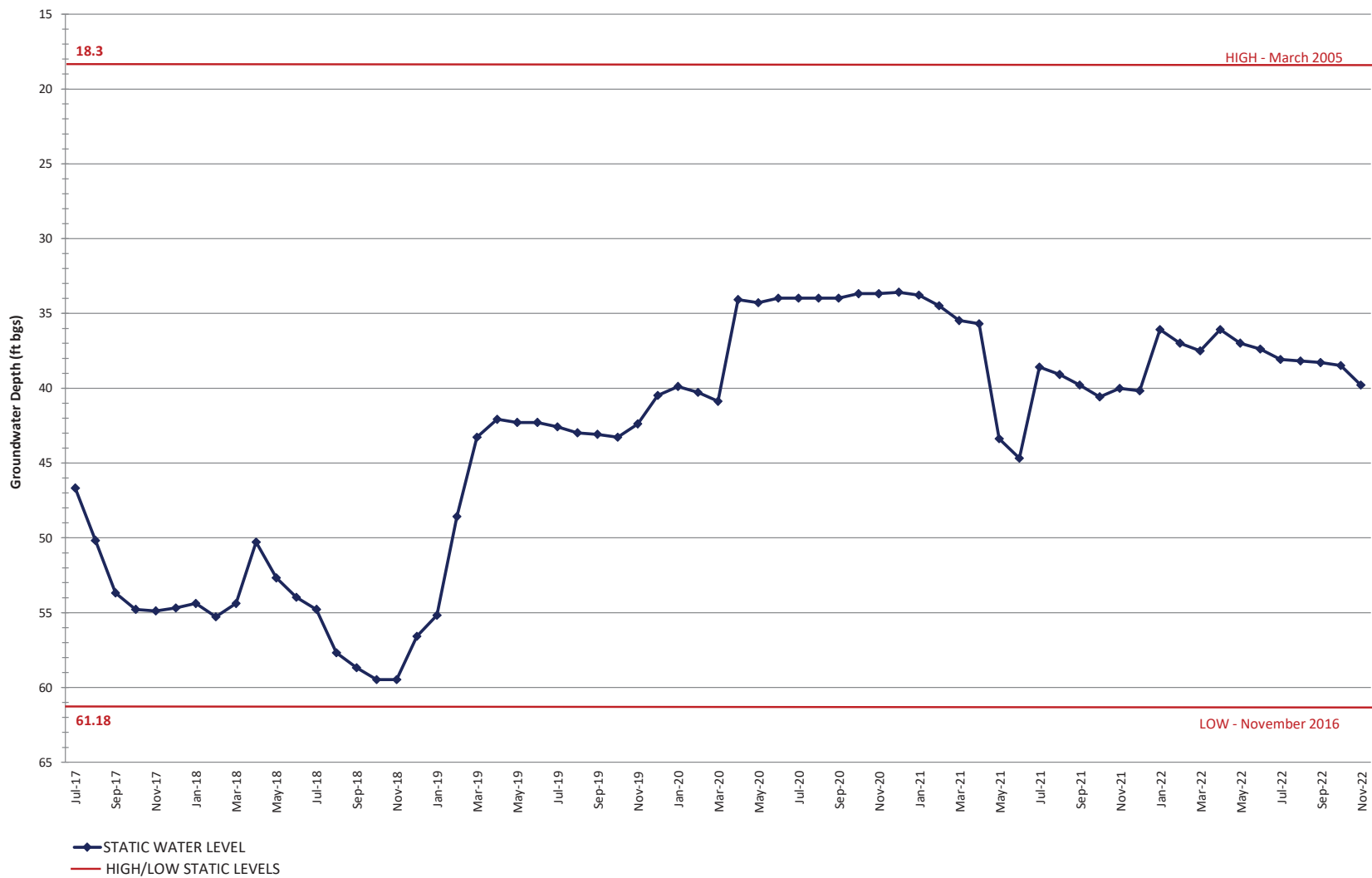
SCV WATER WELL S6
 STATIC WATER LEVEL



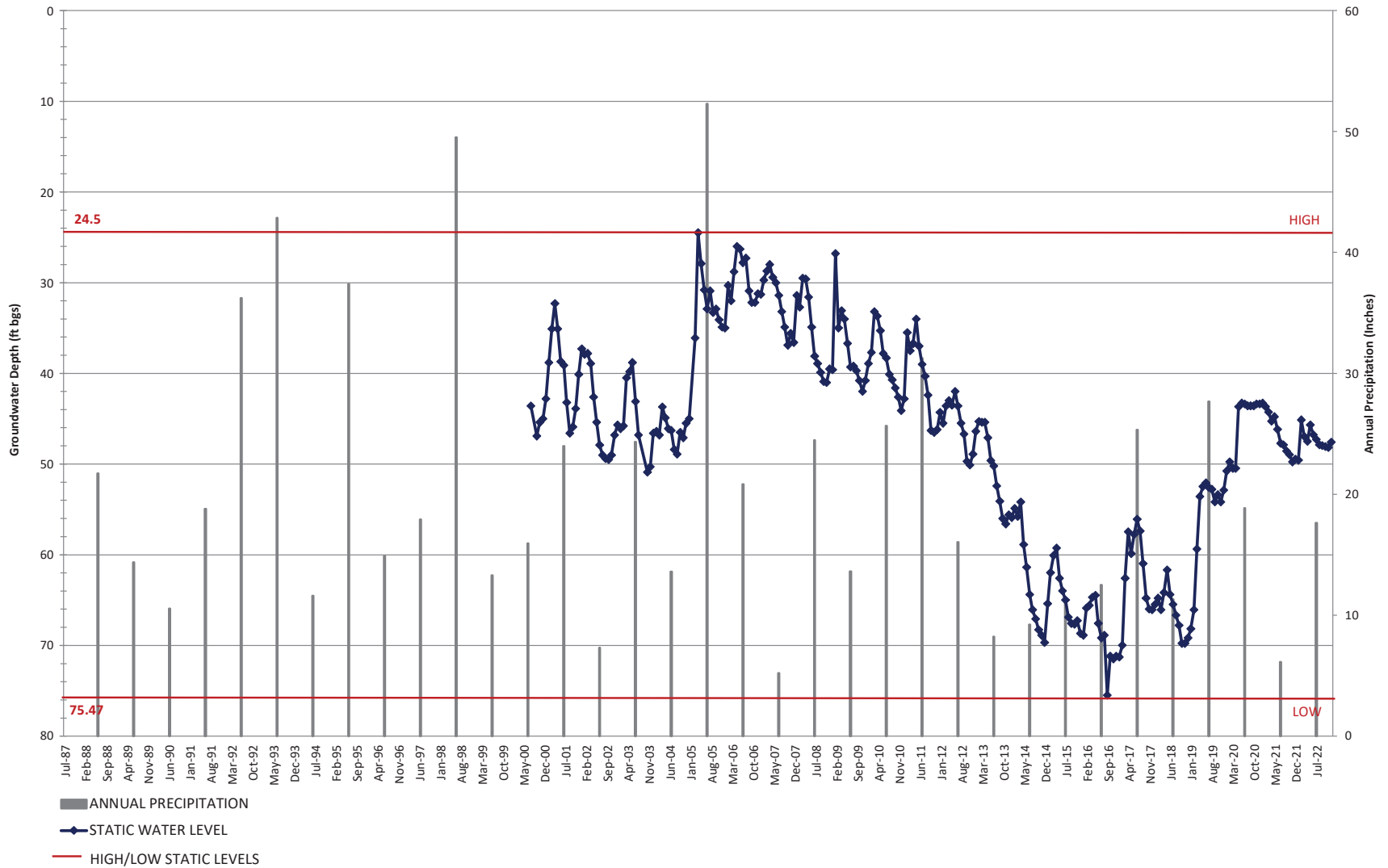
SCV WATER WELL S7
 STATIC WATER LEVEL VS PRECIPITATION



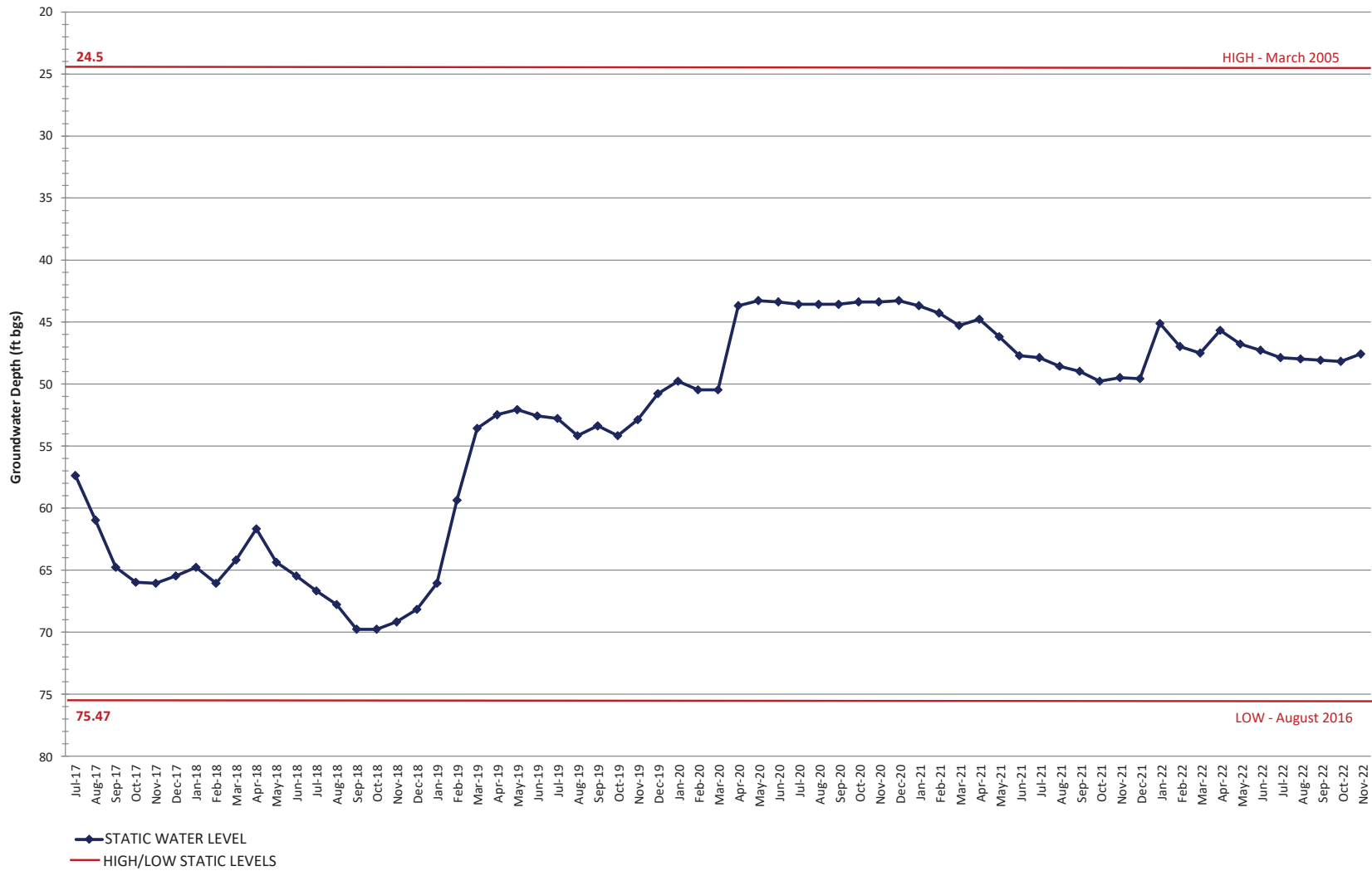
SCV WATER WELL S7
 STATIC WATER LEVEL



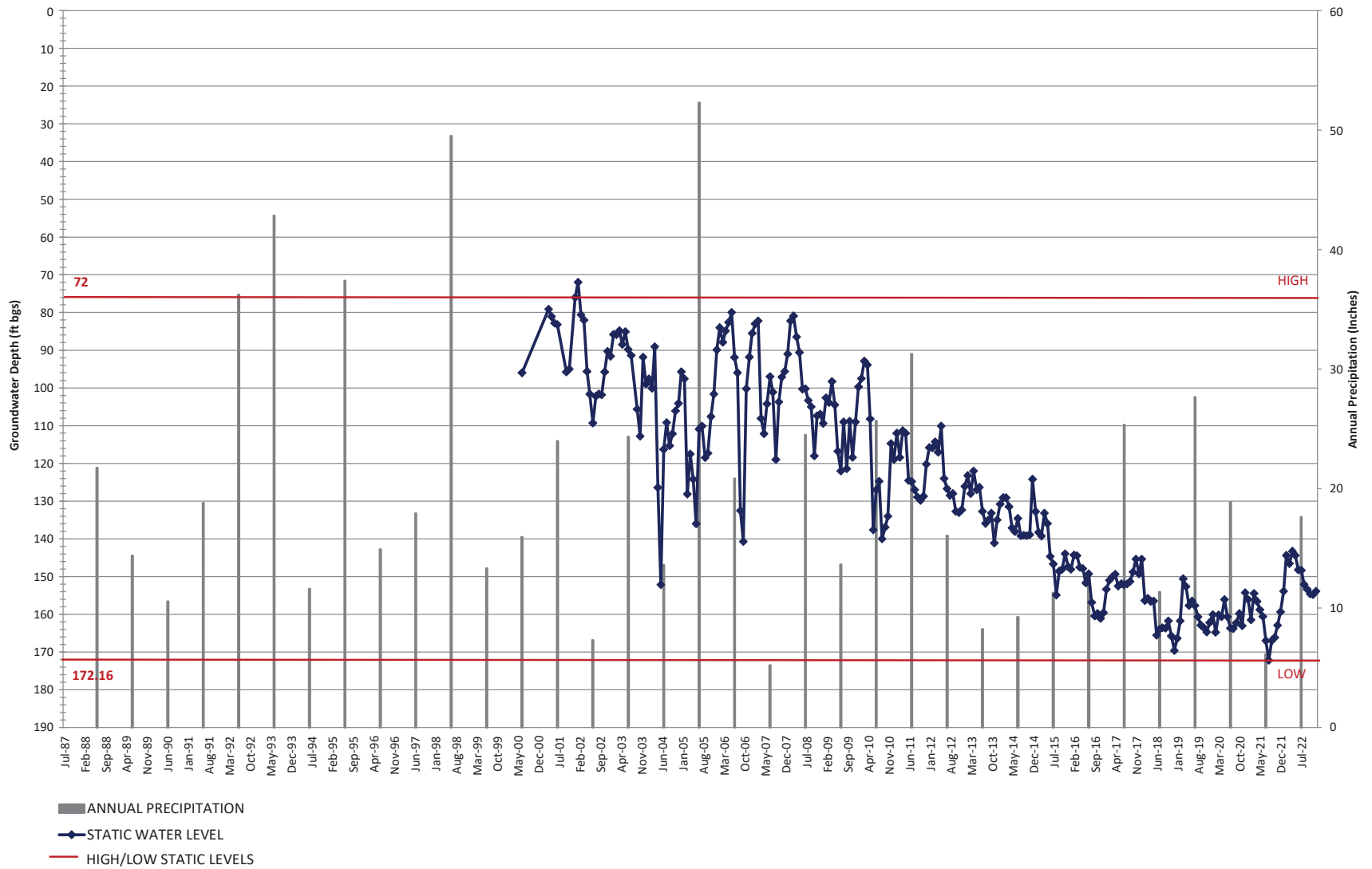
SCV WATER WELL S8
 STATIC WATER LEVEL VS PRECIPITATION



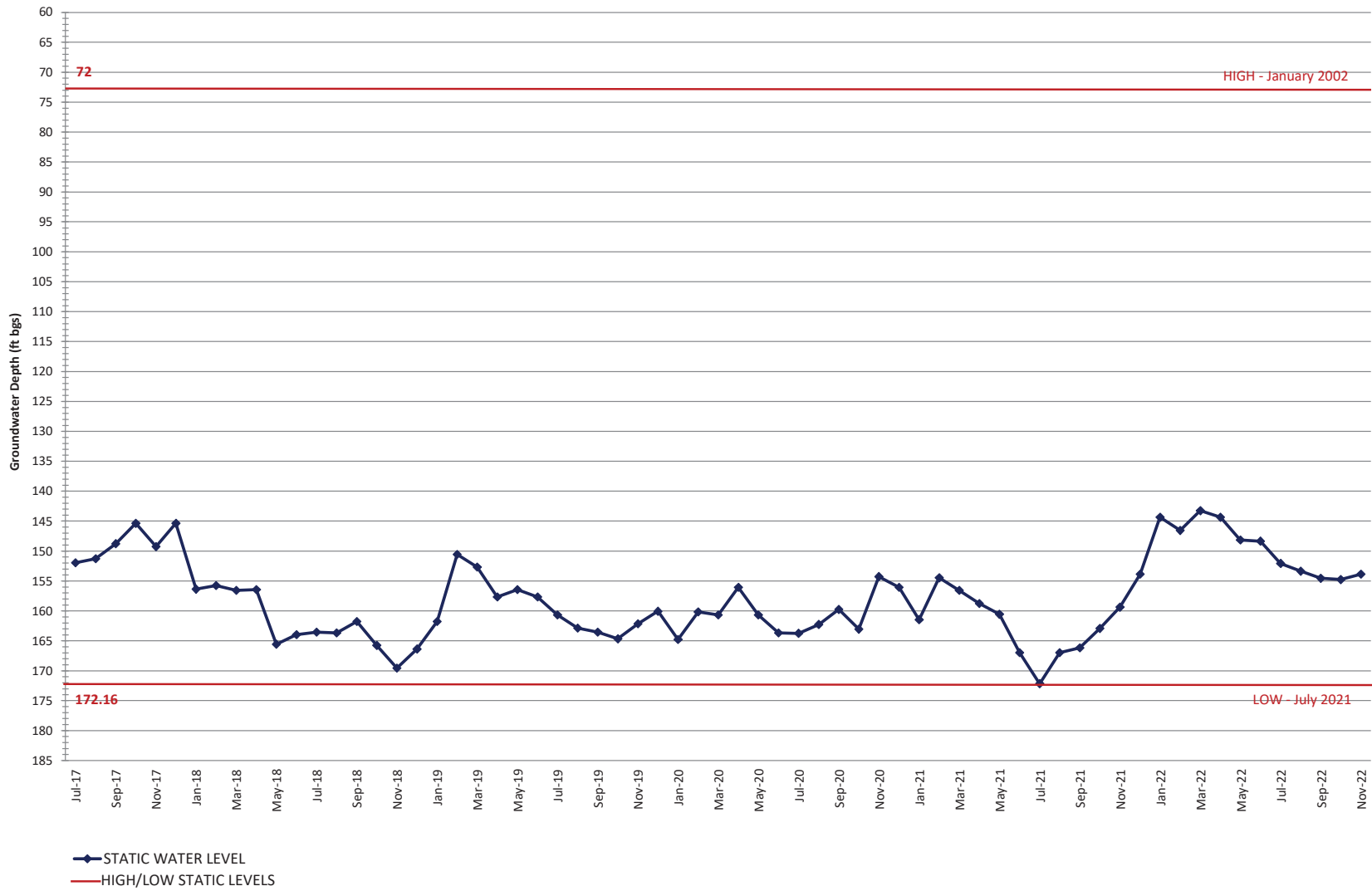
SCV WATER WELL S8
STATIC WATER LEVEL



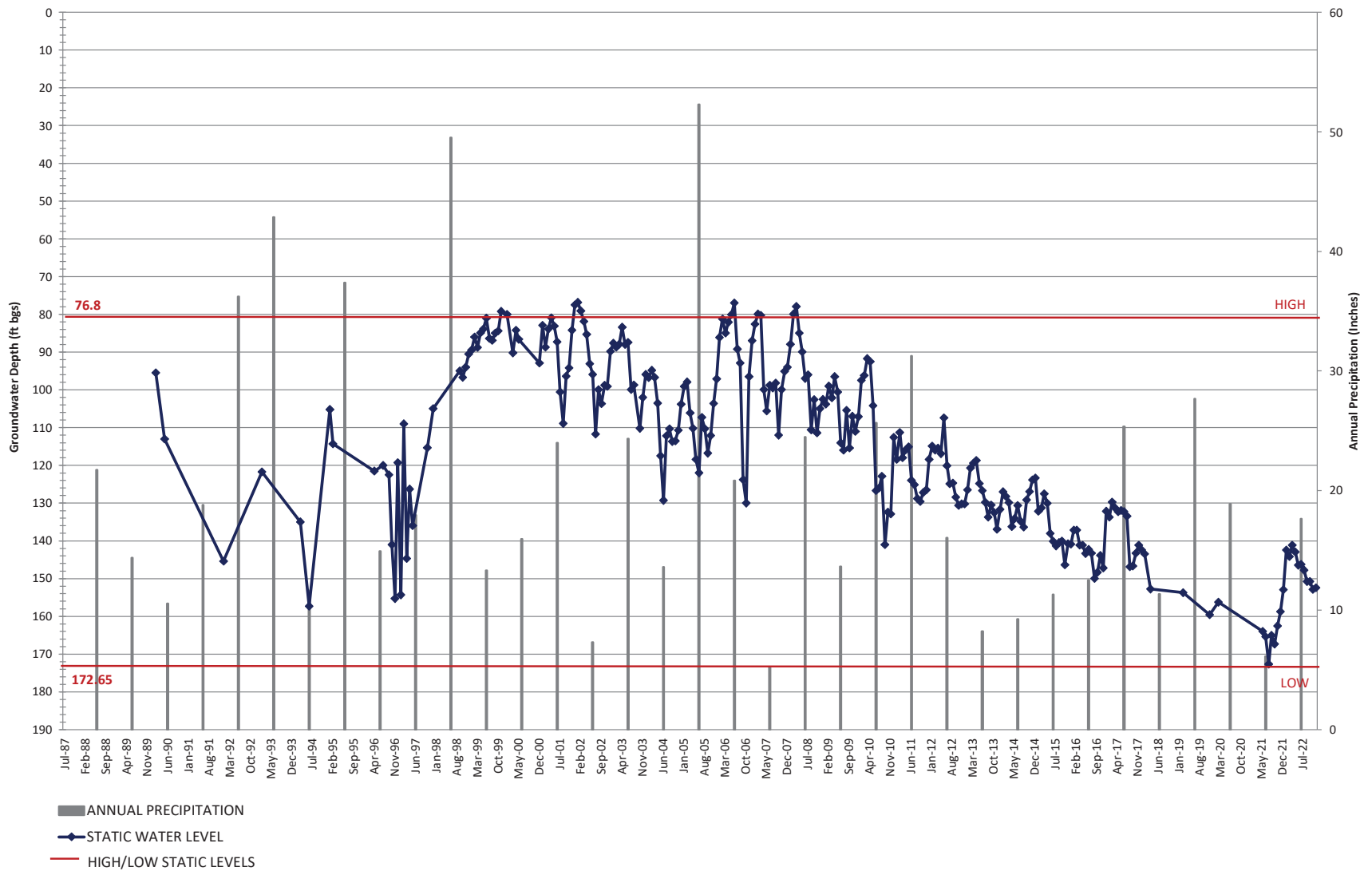
SCV WATER WELL 205
 STATIC WATER LEVEL VS PRECIPITATION



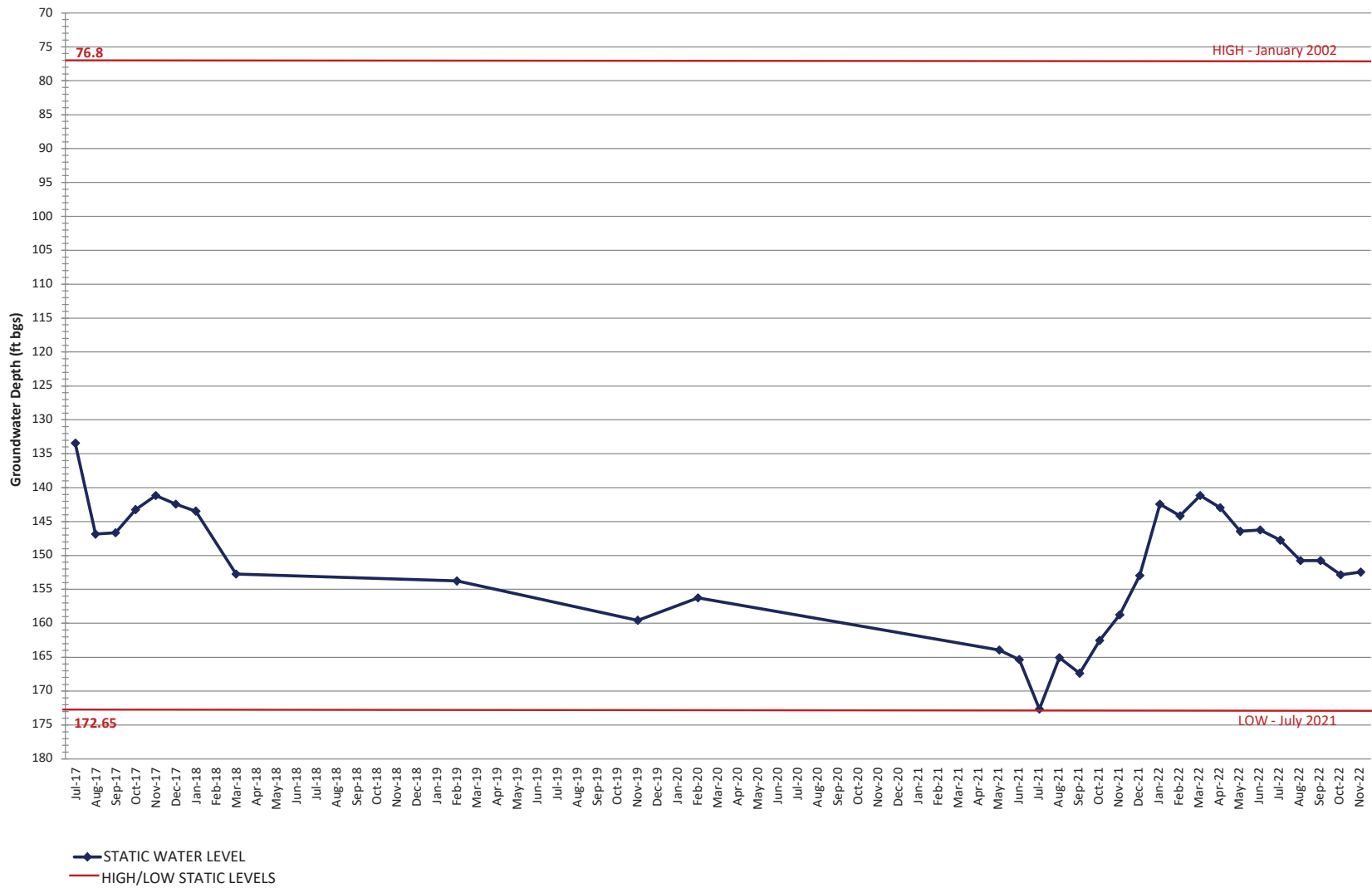
SCV WATER WELL 205
 STATIC WATER LEVEL



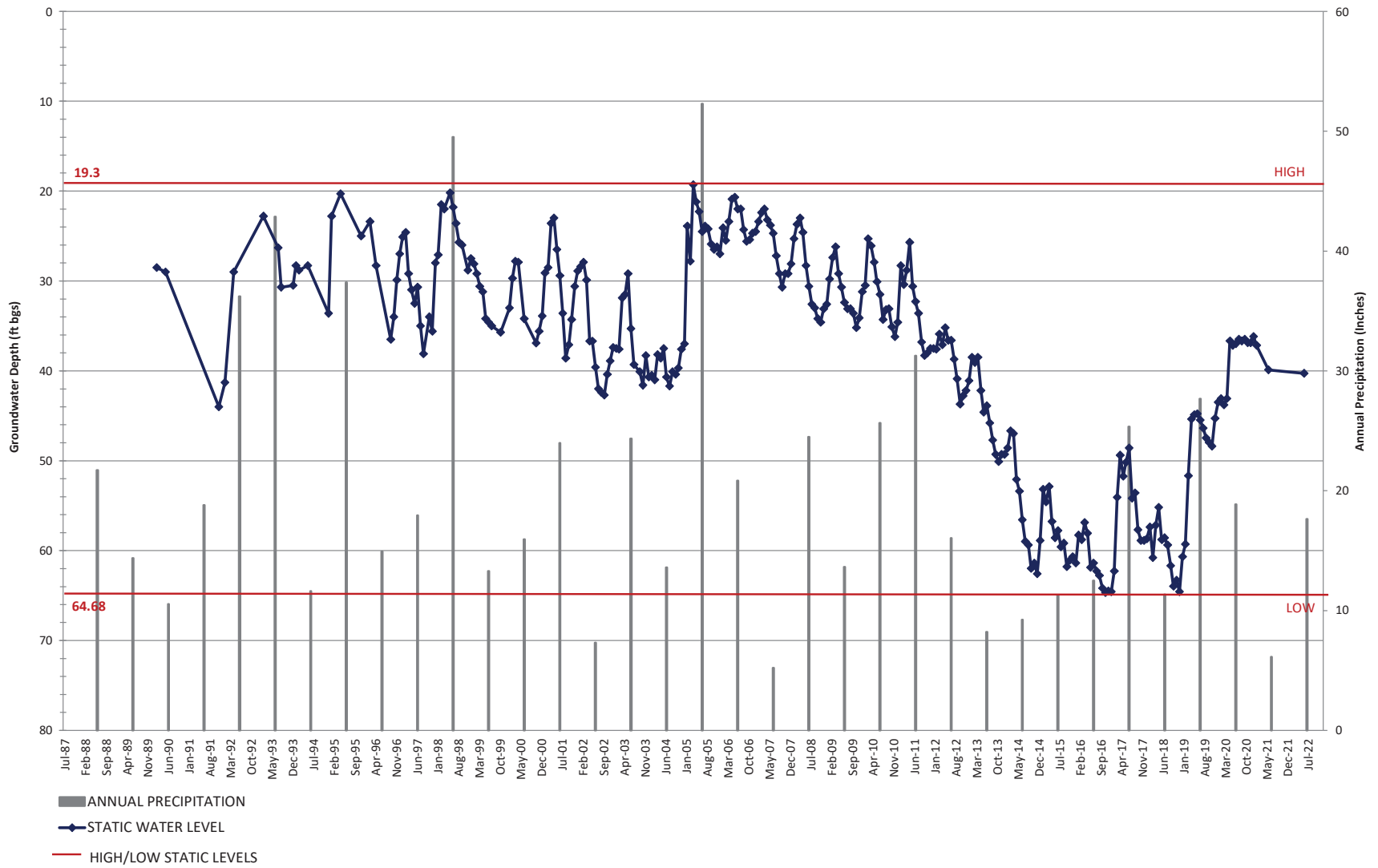
SCV WATER WELL 201
 STATIC WATER LEVEL VS PRECIPITATION



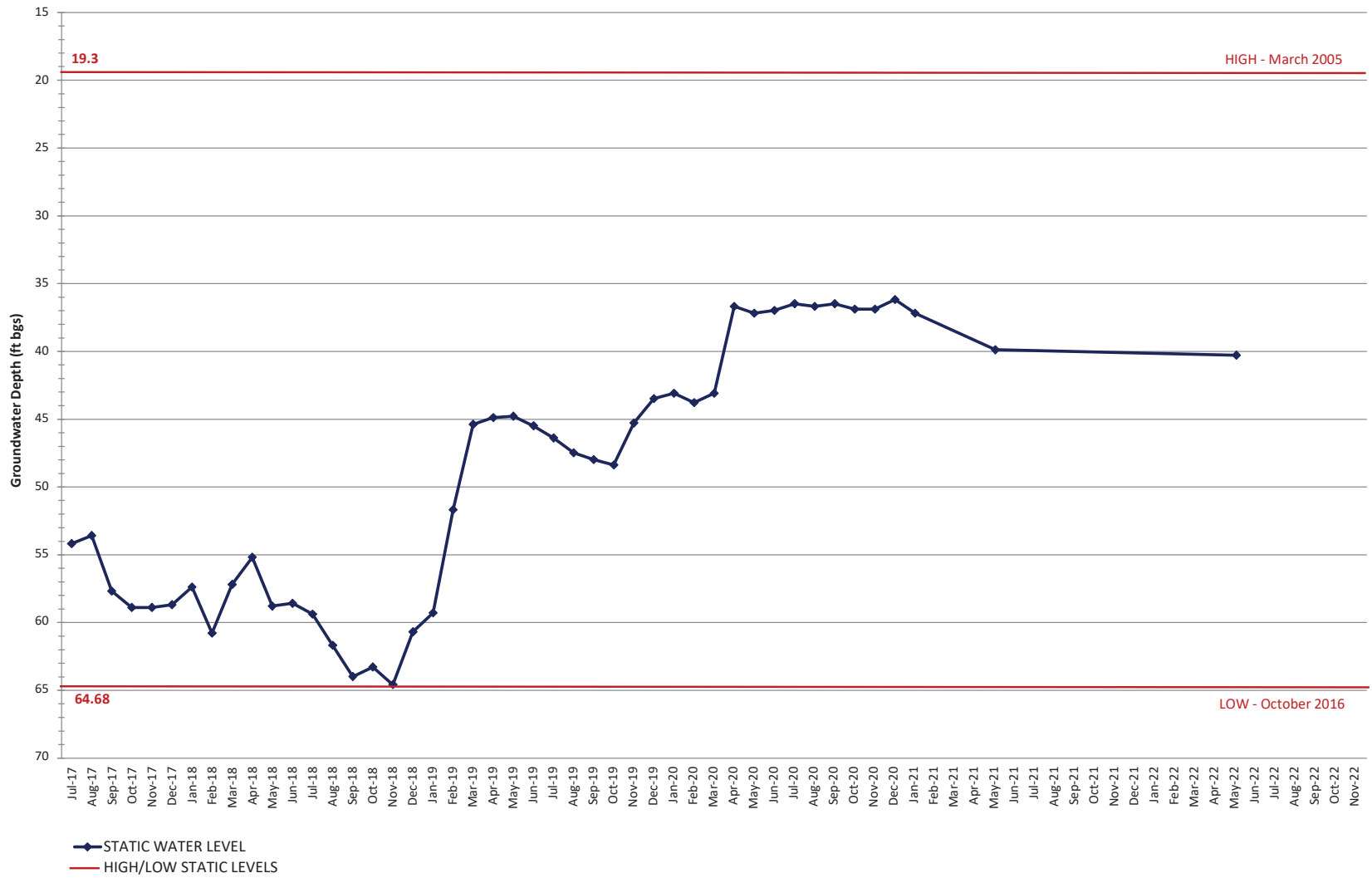
SCV WATER WELL 201
 STATIC WATER LEVEL



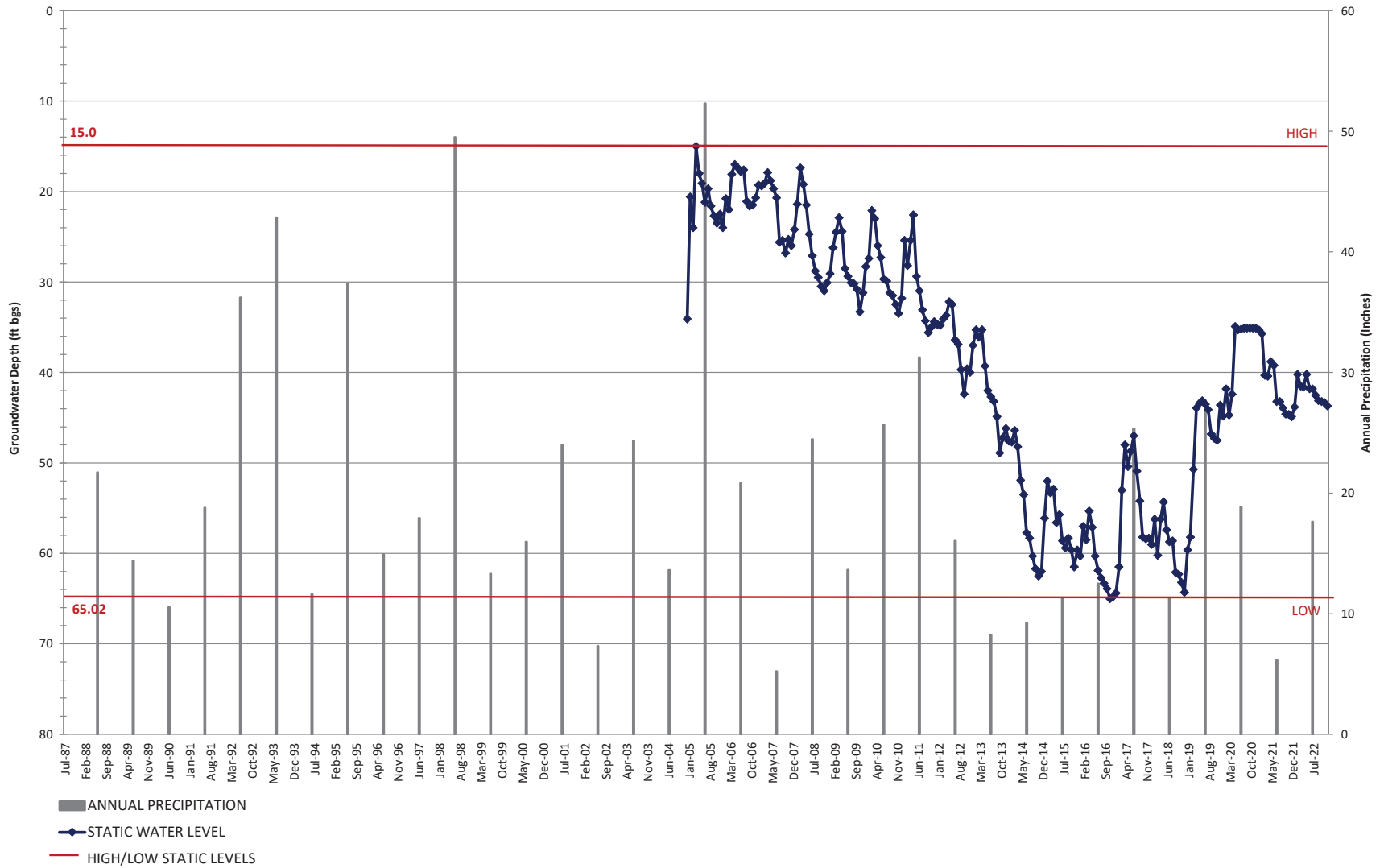
SCV WATER WELL N
 STATIC WATER LEVEL VS PRECIPITATION



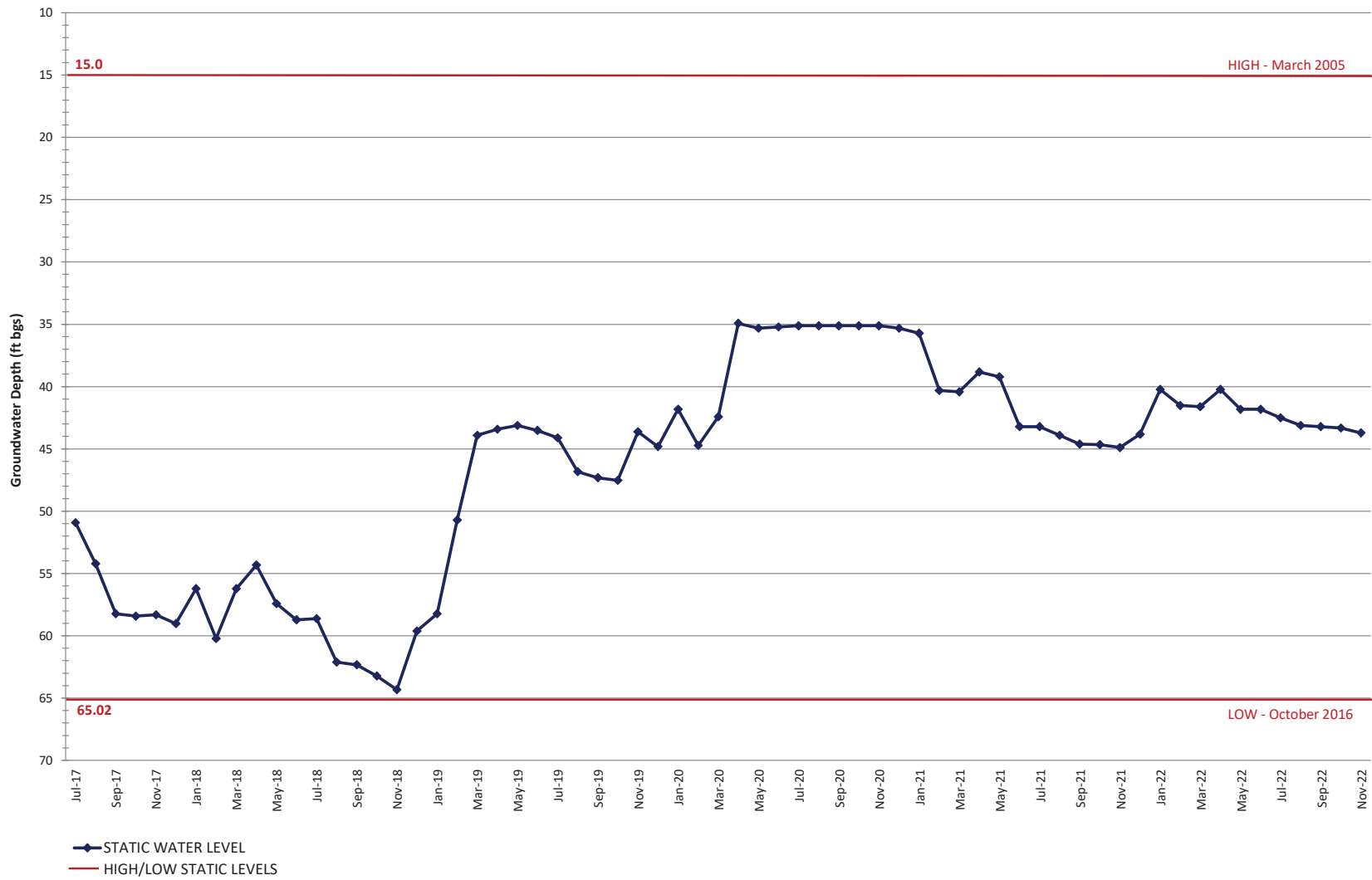
SCV WATER WELL N
STATIC WATER LEVEL



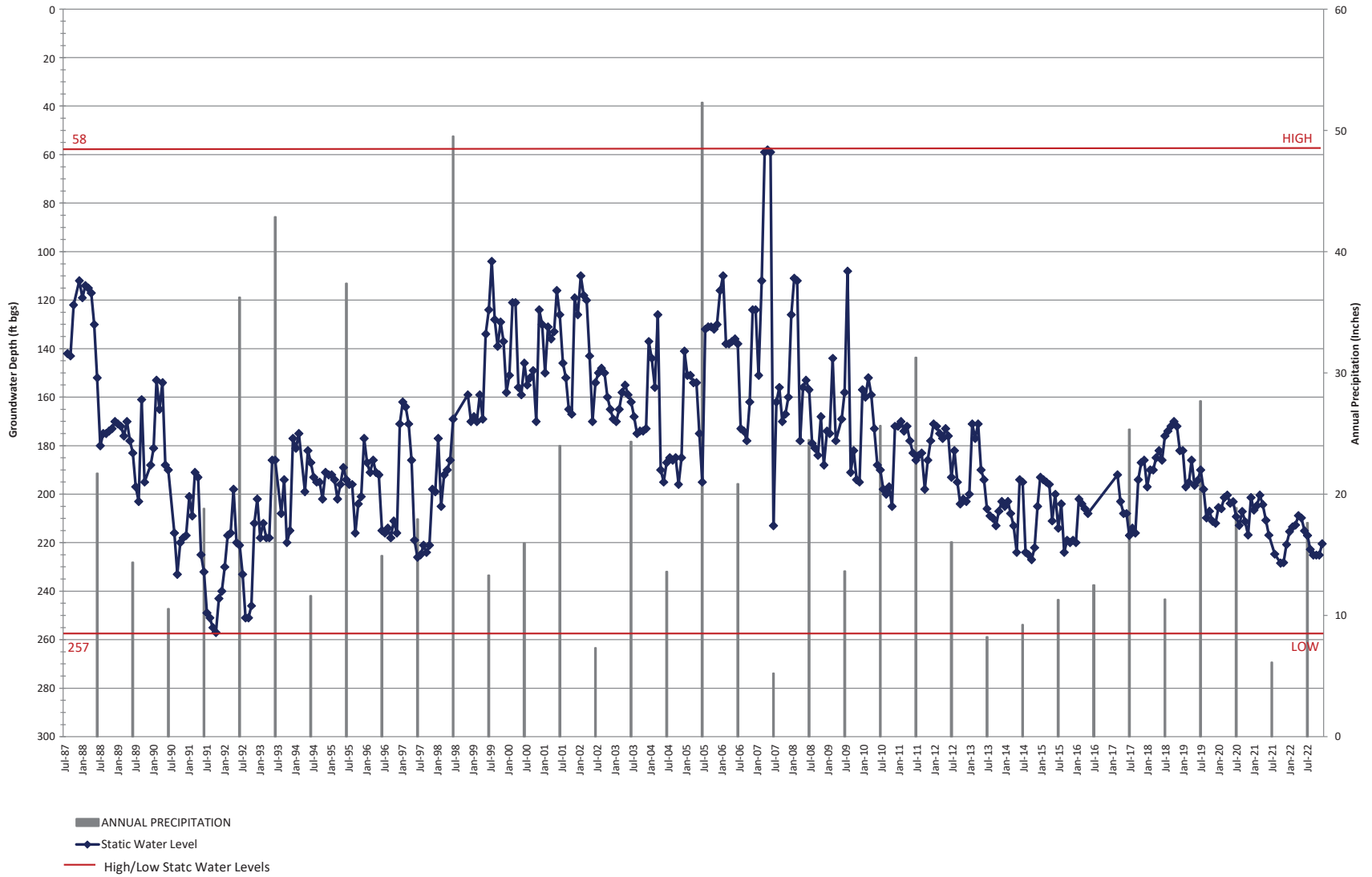
SCV WATER WELL N7
 STATIC WATER LEVEL VS PRECIPITATION



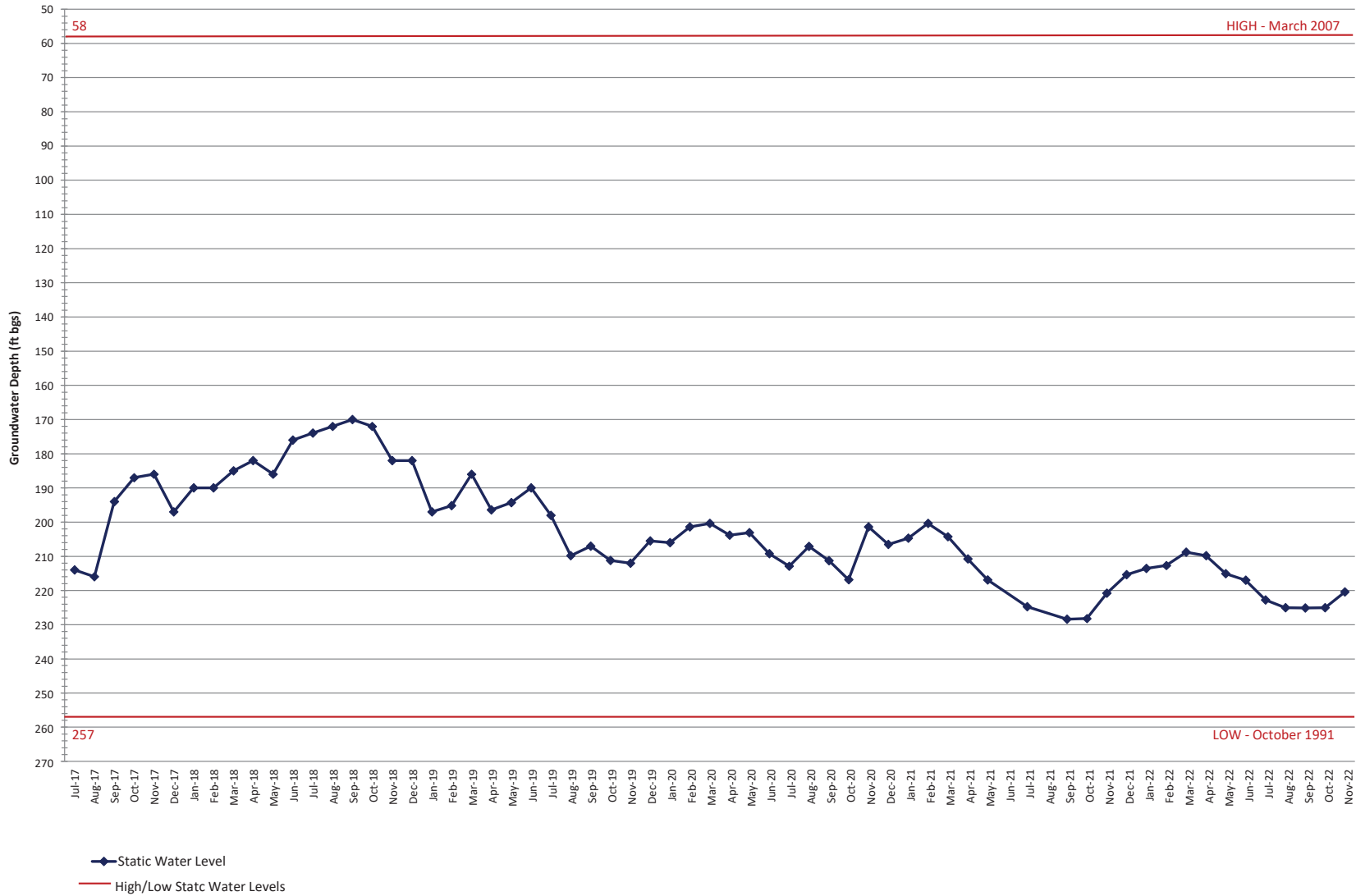
SCV WATER WELL N7
STATIC WATER LEVEL



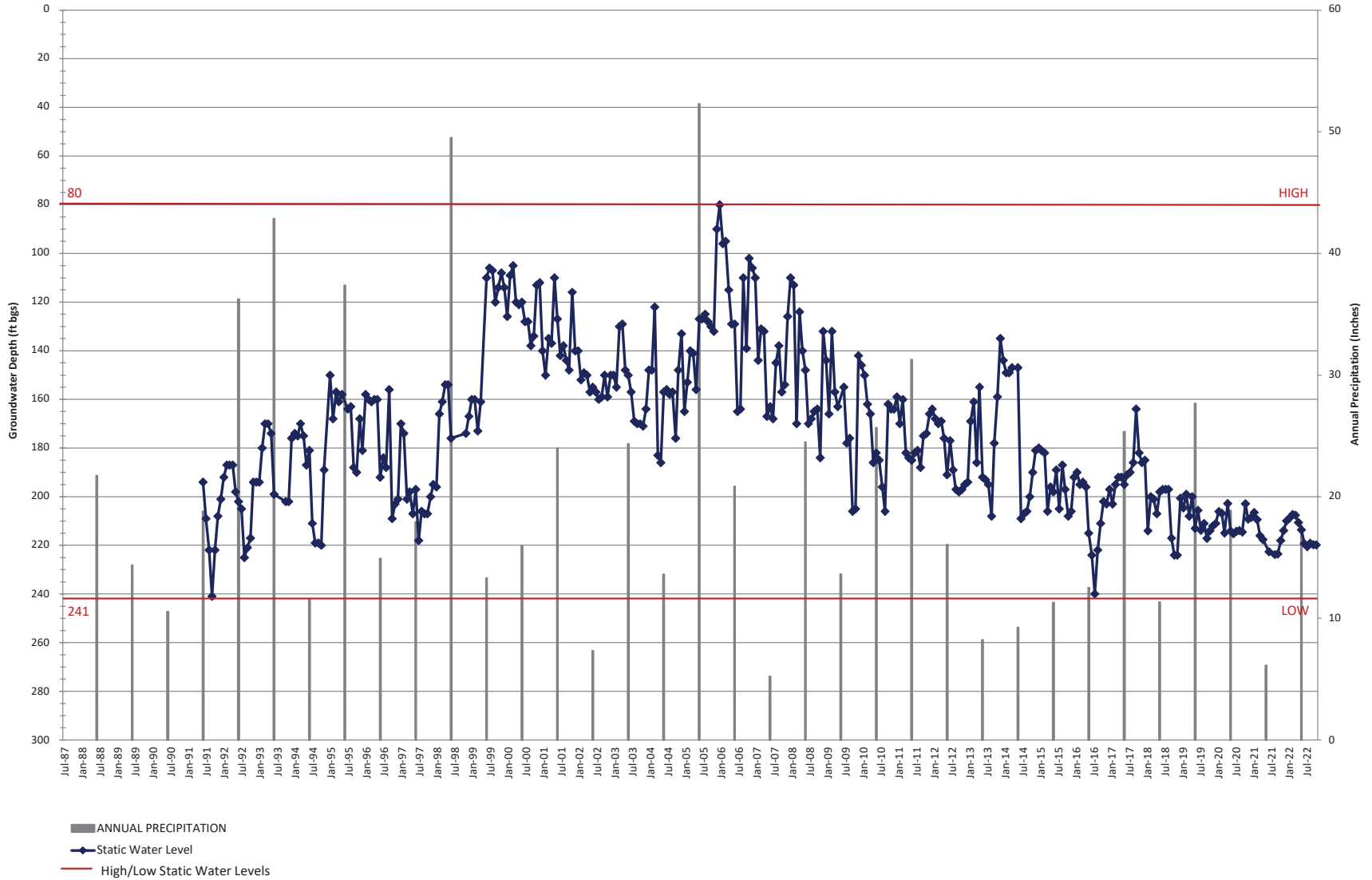
SCV WATER WELL N12
 STATIC WATER LEVEL VS PRECIPITATION



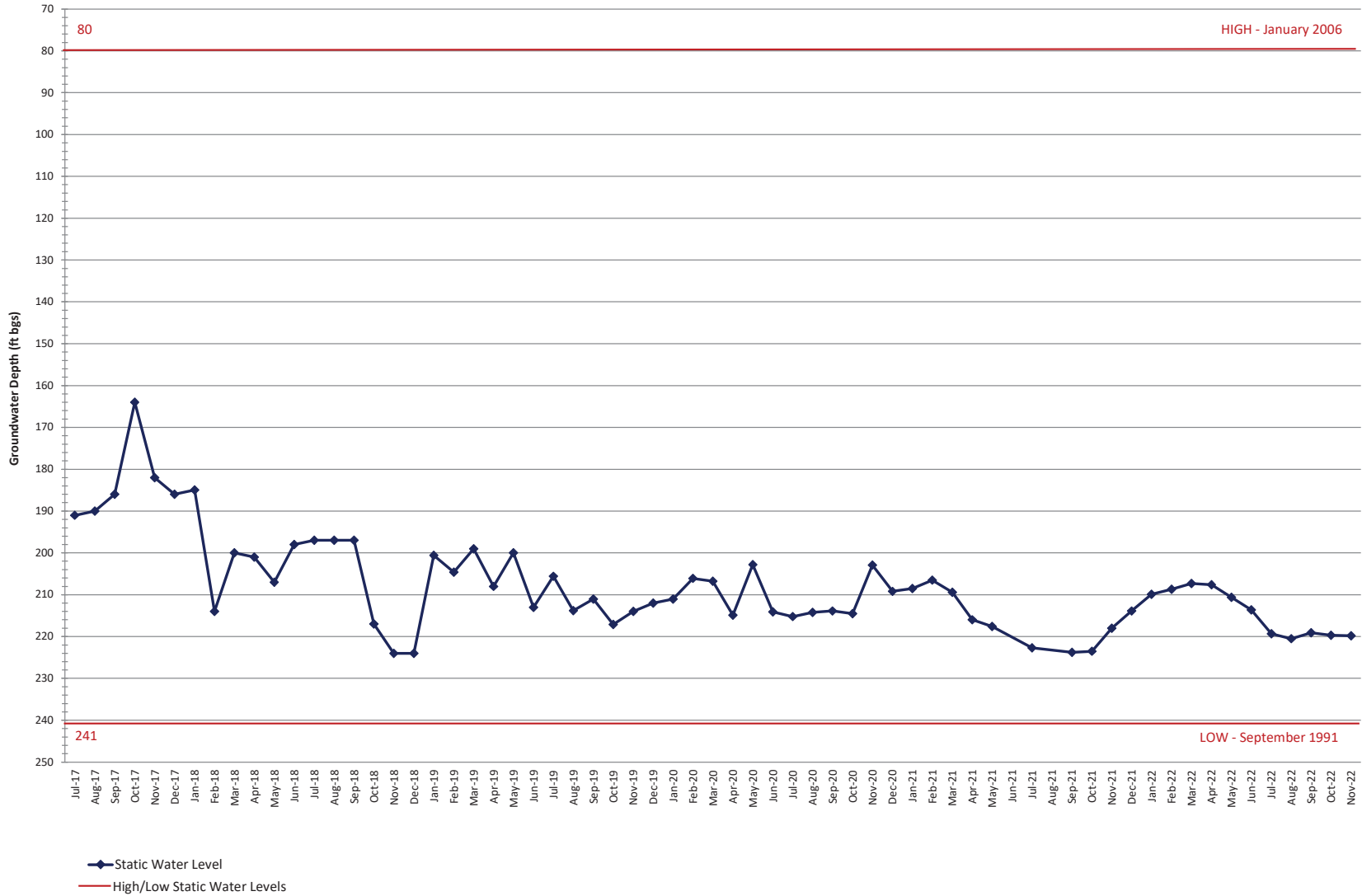
SCV WATER WELL N12
 STATIC WATER LEVEL



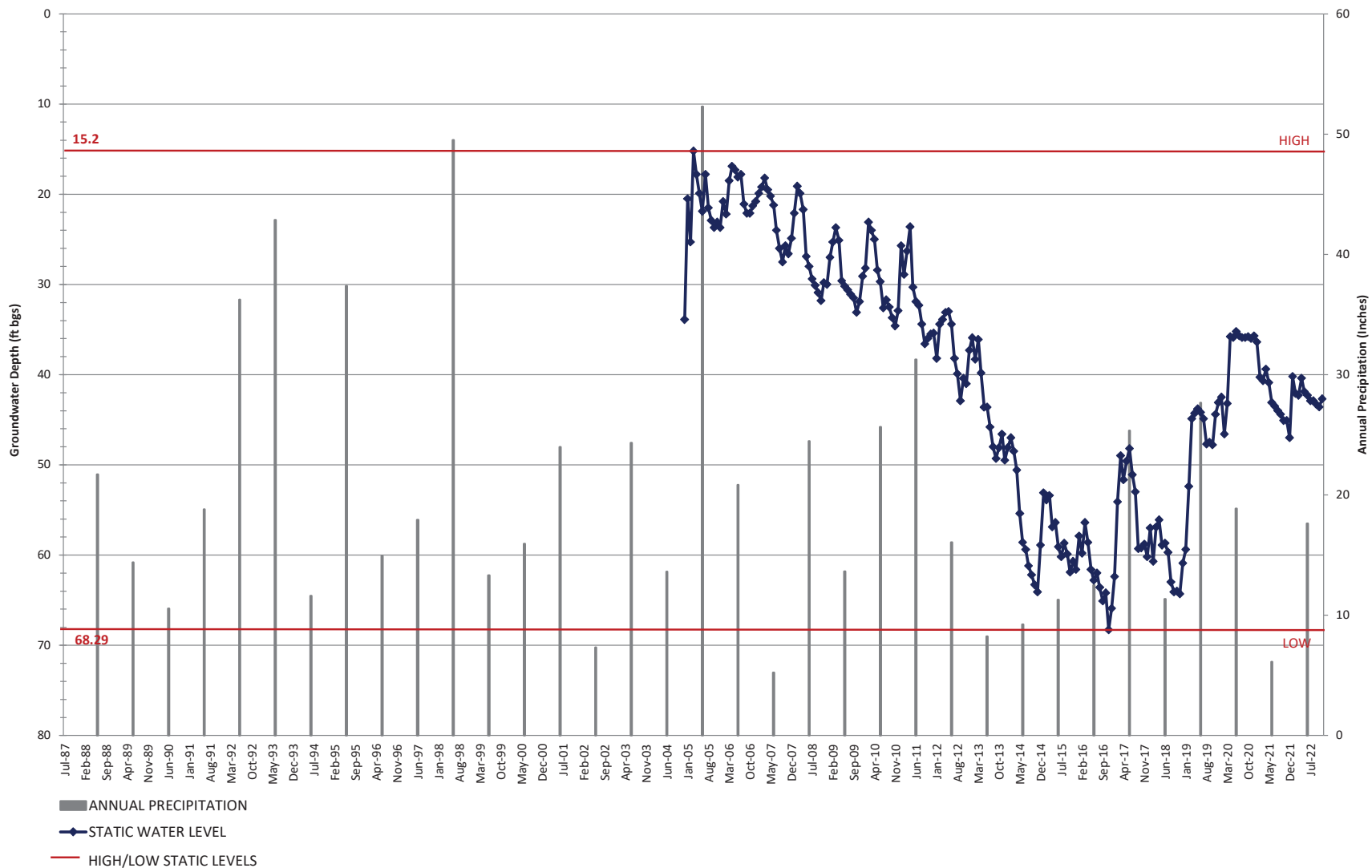
SCV WATER WELL N13
 STATIC WATER LEVEL VS PRECIPITATION



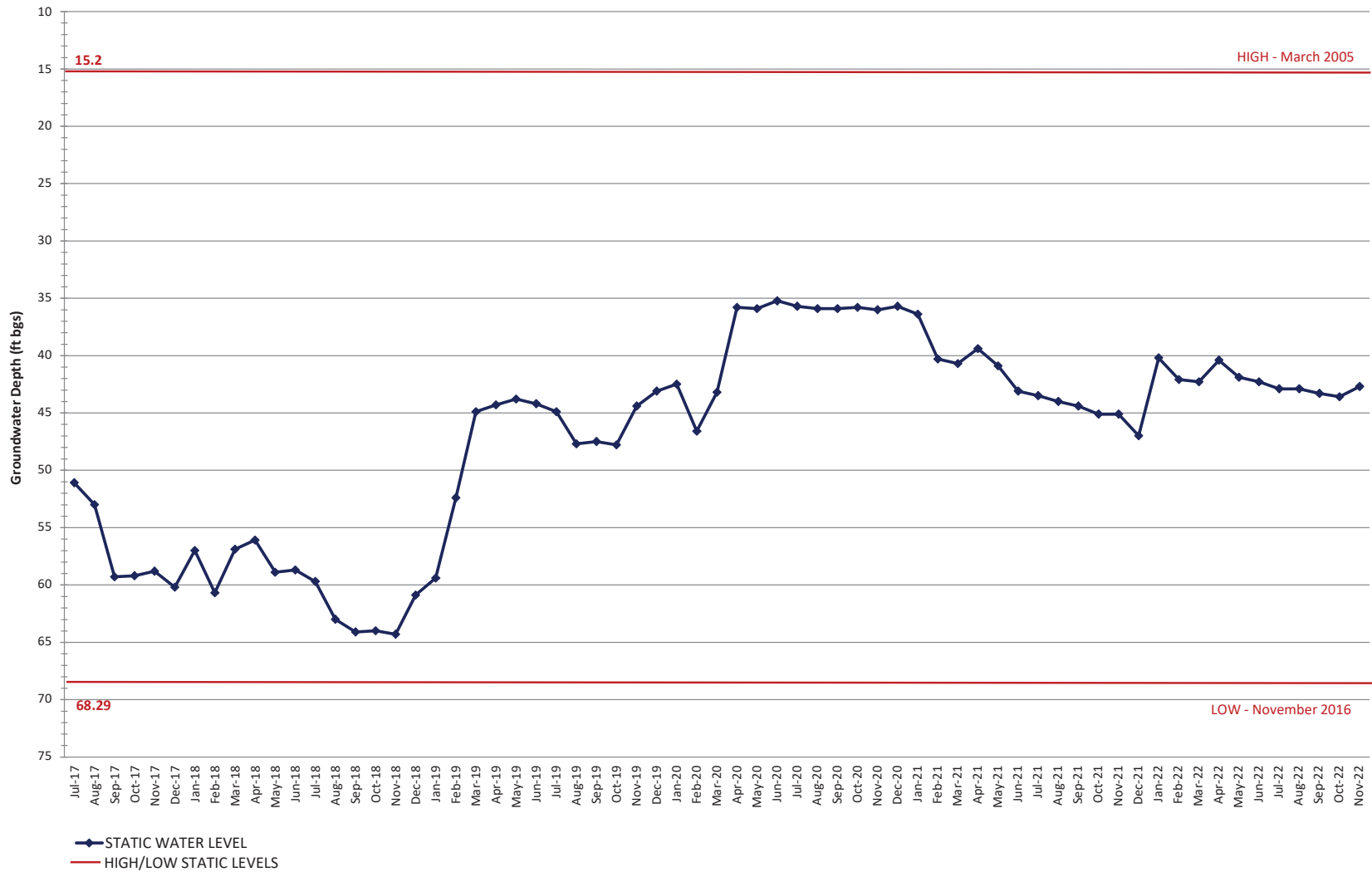
SCV WATER WELL N13
 STATIC WATER LEVEL



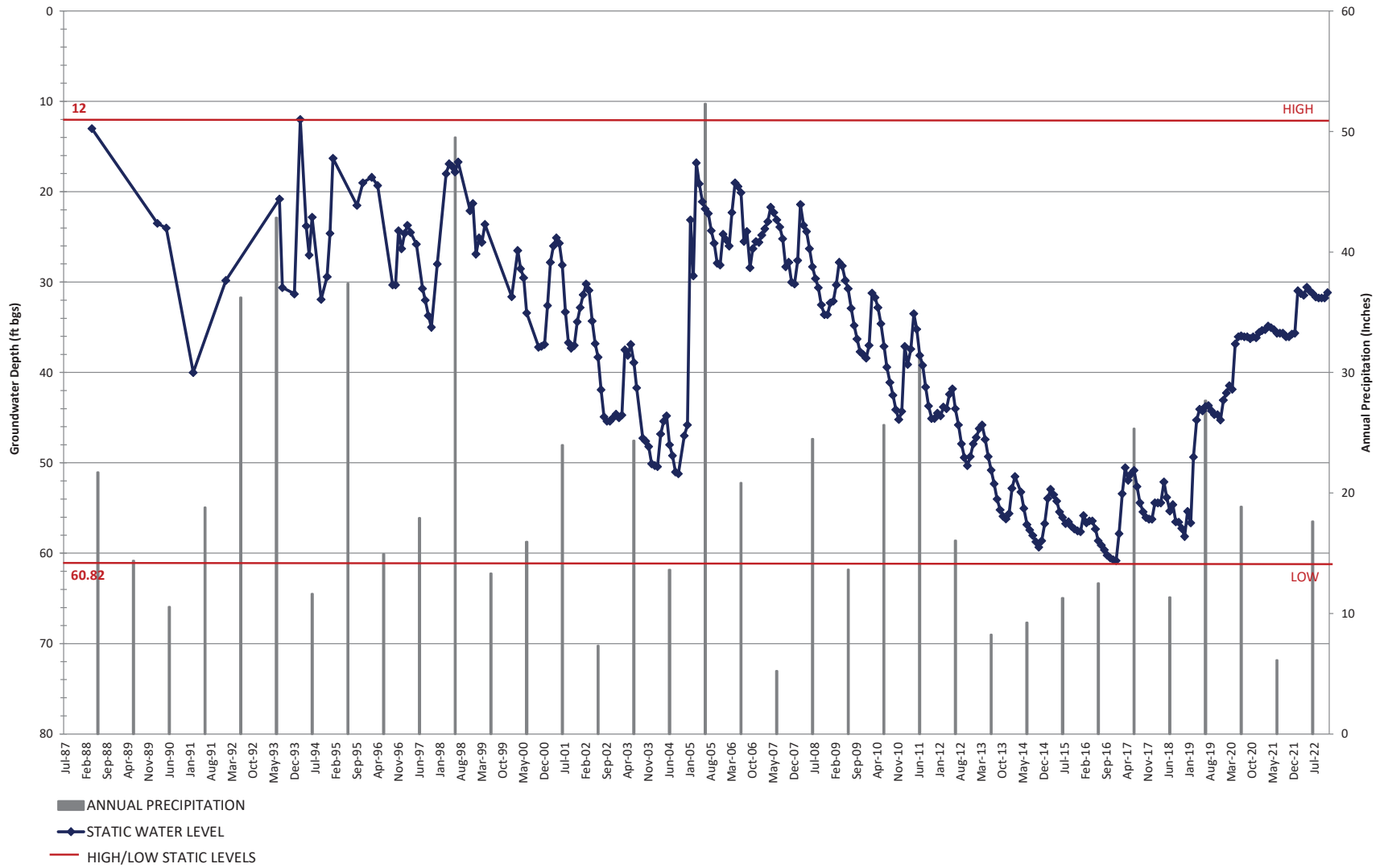
SCV WATER WELL N8
 STATIC WATER LEVEL VS PRECIPITATION



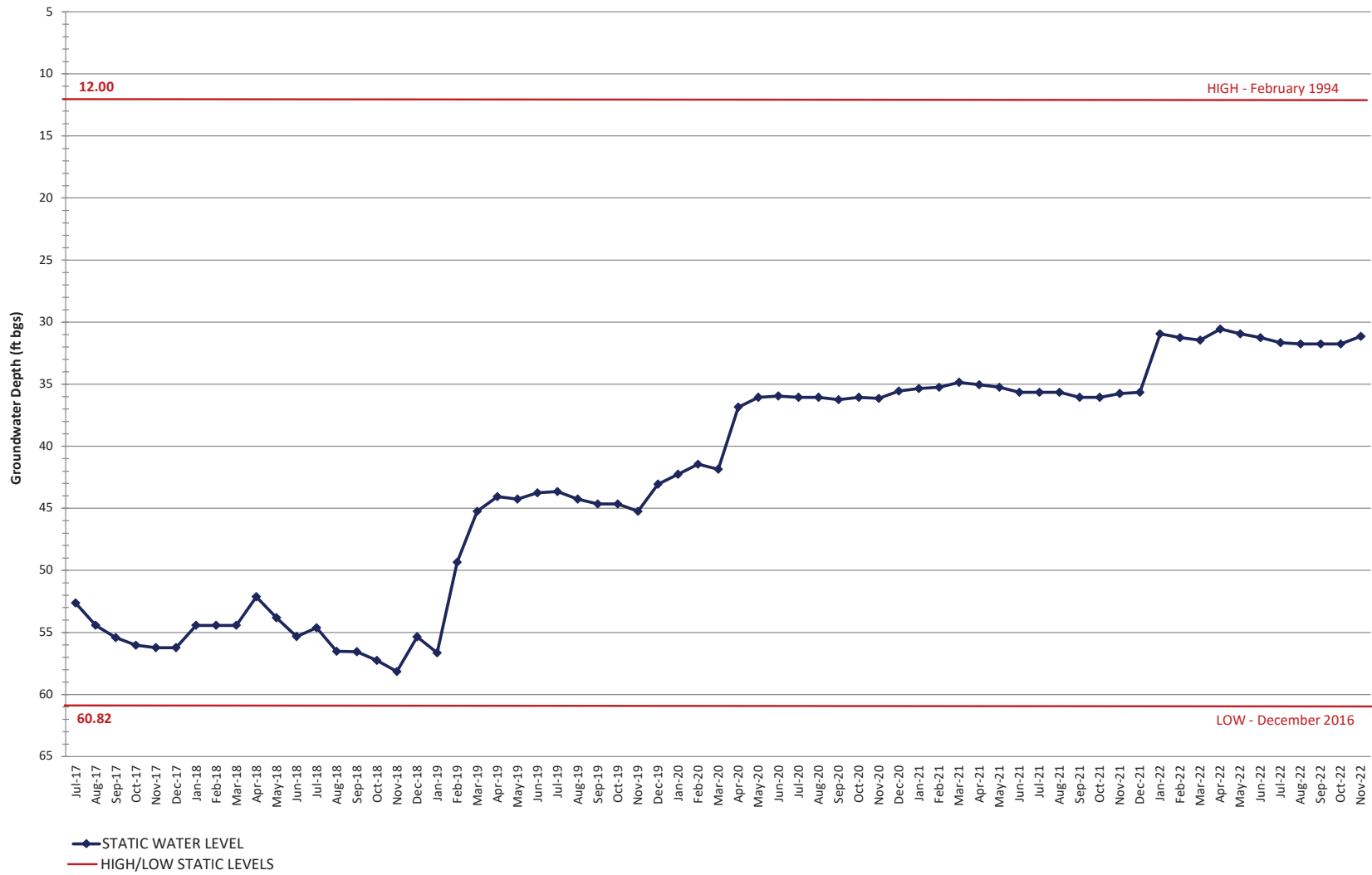
SCV WATER WELL N8
STATIC WATER LEVEL



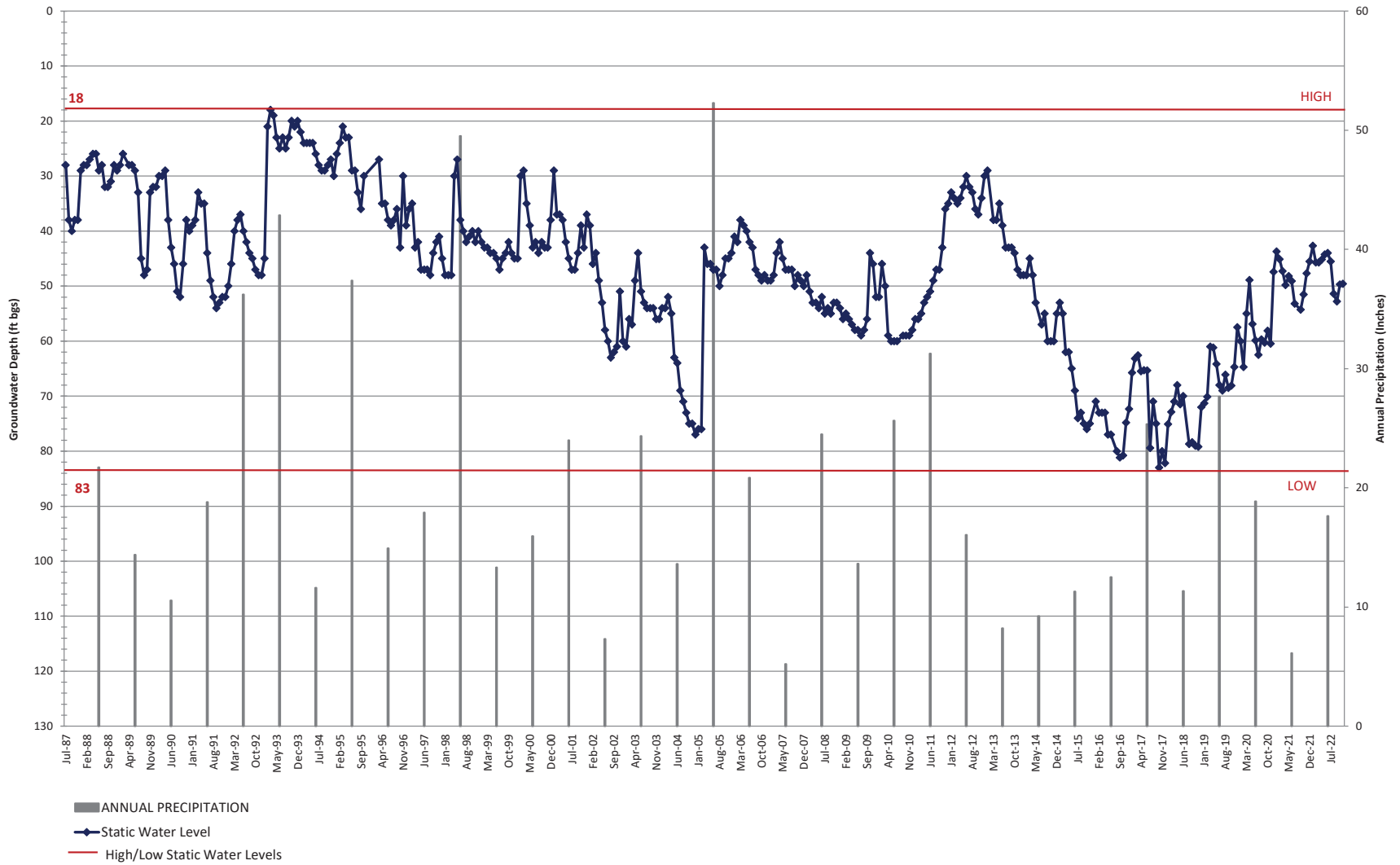
SCV WATER WELL Q2
 STATIC WATER LEVEL VS PRECIPITATION



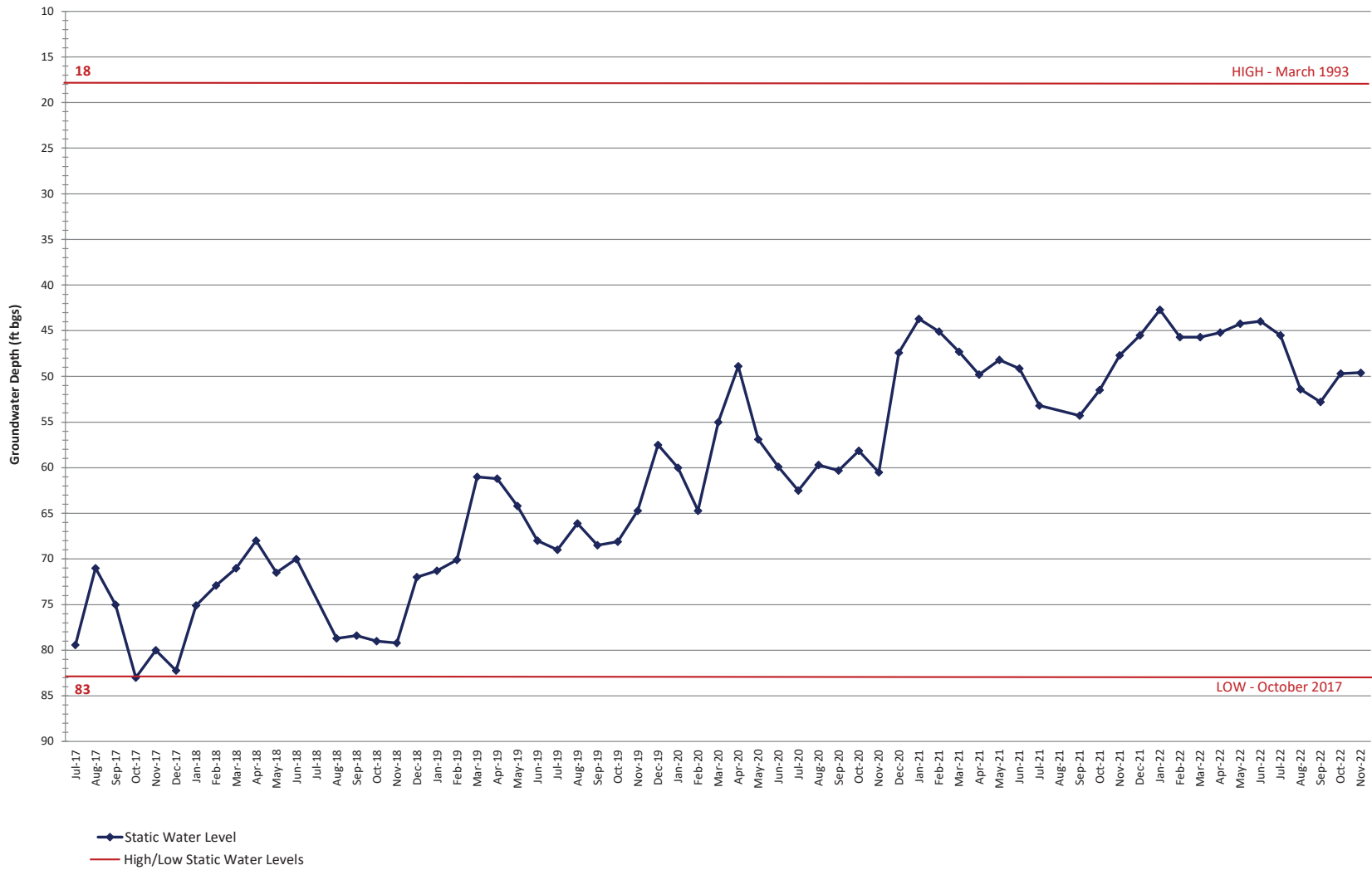
SCV WATER WELL Q2
STATIC WATER LEVEL



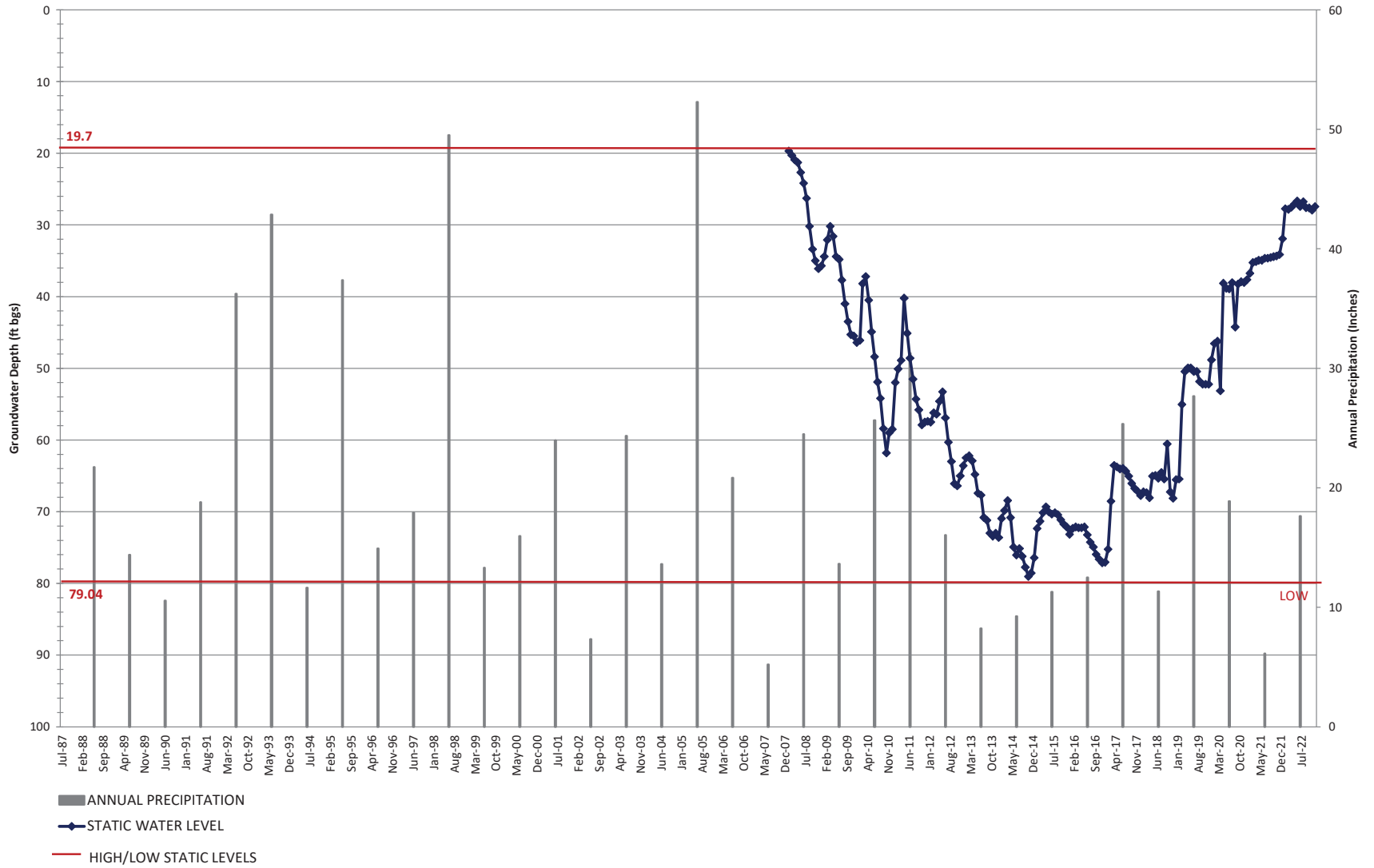
SCV WATER WELL GUIDA #14
STATIC WATER LEVEL VS PRECIPITATION



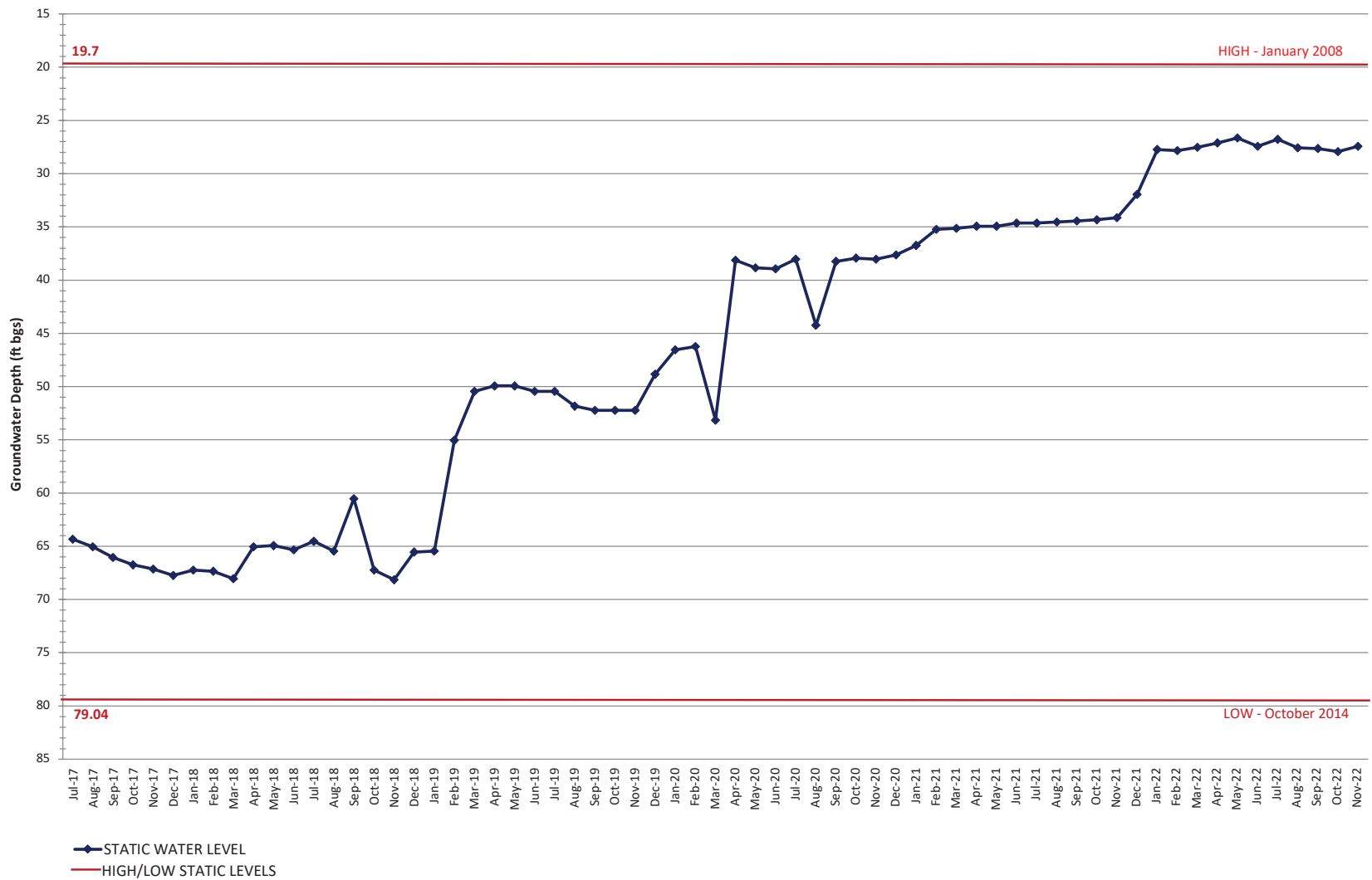
SCV WATER WELL GUIDA #14
 STATIC WATER LEVEL



SCV WATER WELL T7
 STATIC WATER LEVEL VS PRECIPITATION



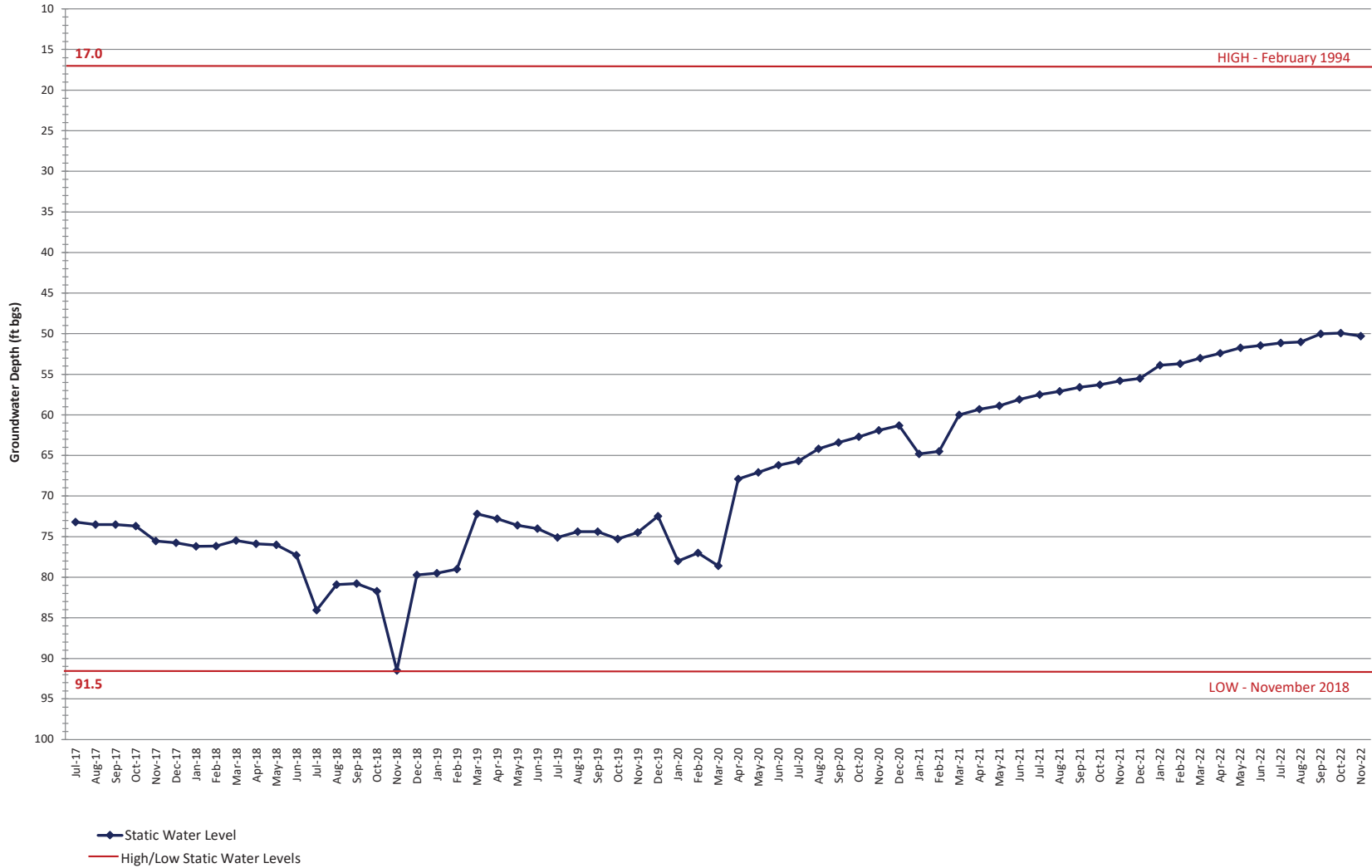
SCV WATER WELL T7
STATIC WATER LEVEL



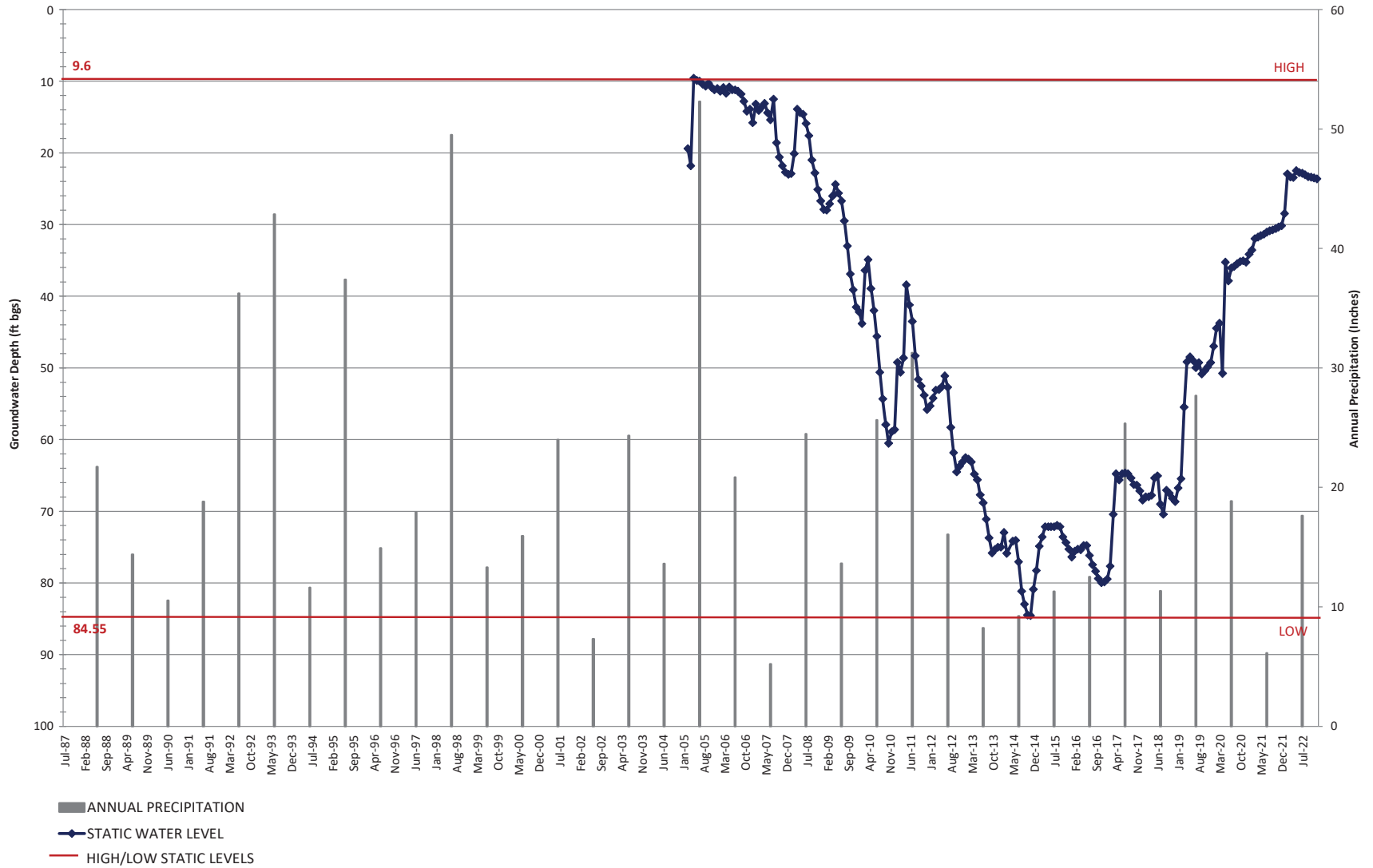
SCV WATER WELL CLARK #15
STATIC WATER LEVEL VS PRECIPITATION



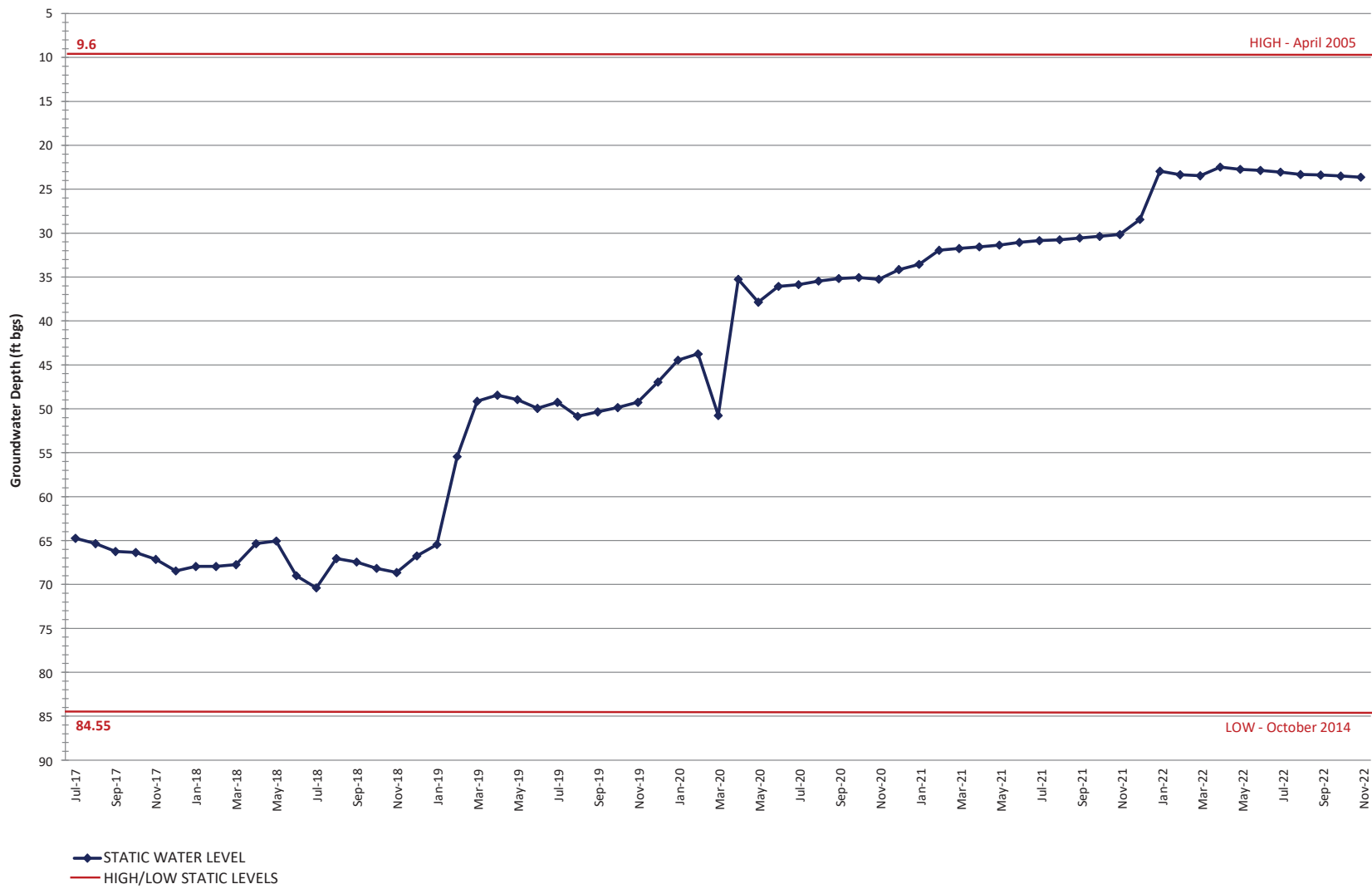
SCV WATER WELL CLARK #15
 STATIC WATER LEVEL



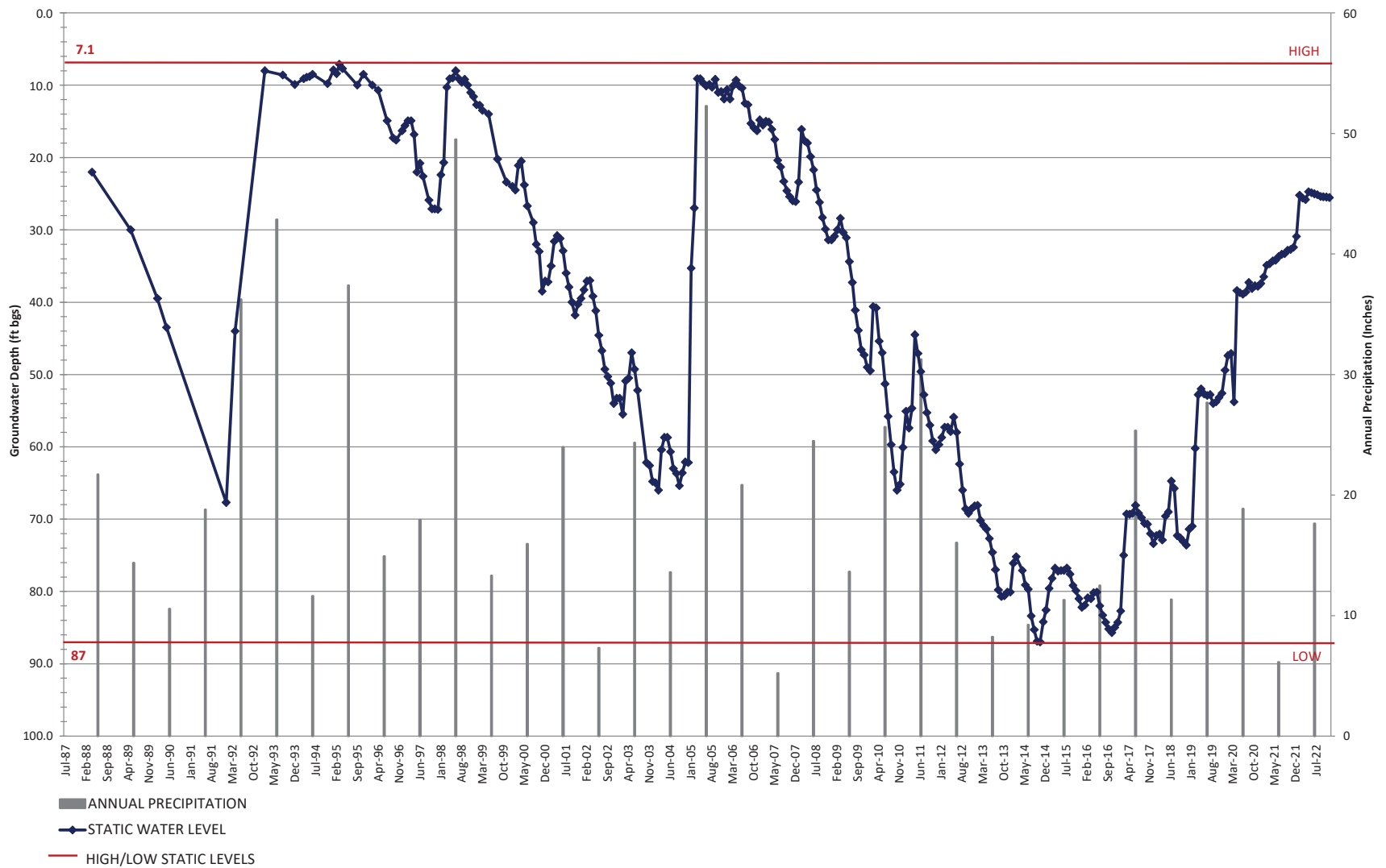
SCV WATER WELL U6
 STATIC WATER LEVEL VS PRECIPITATION



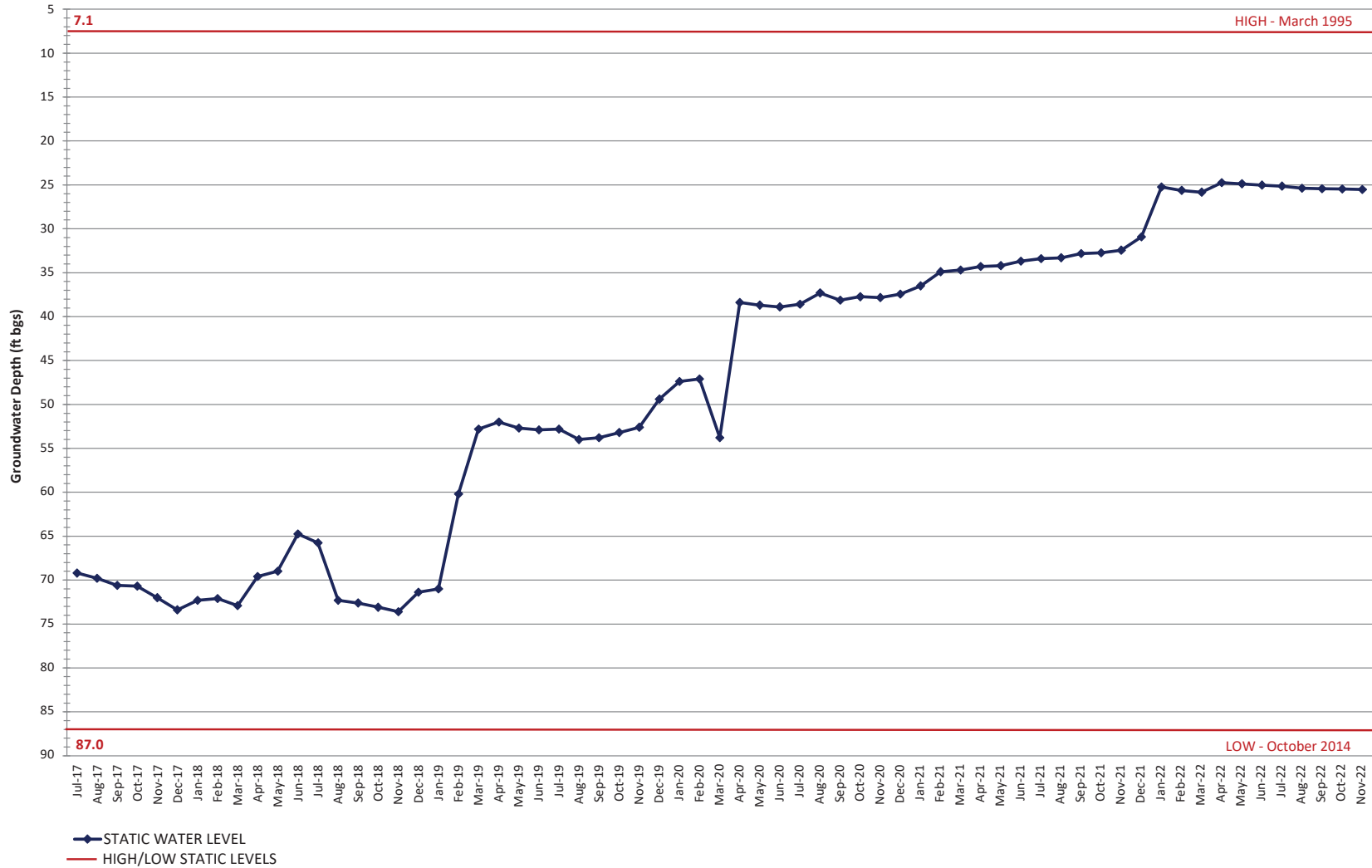
SCV WATER WELL U6
STATIC WATER LEVEL



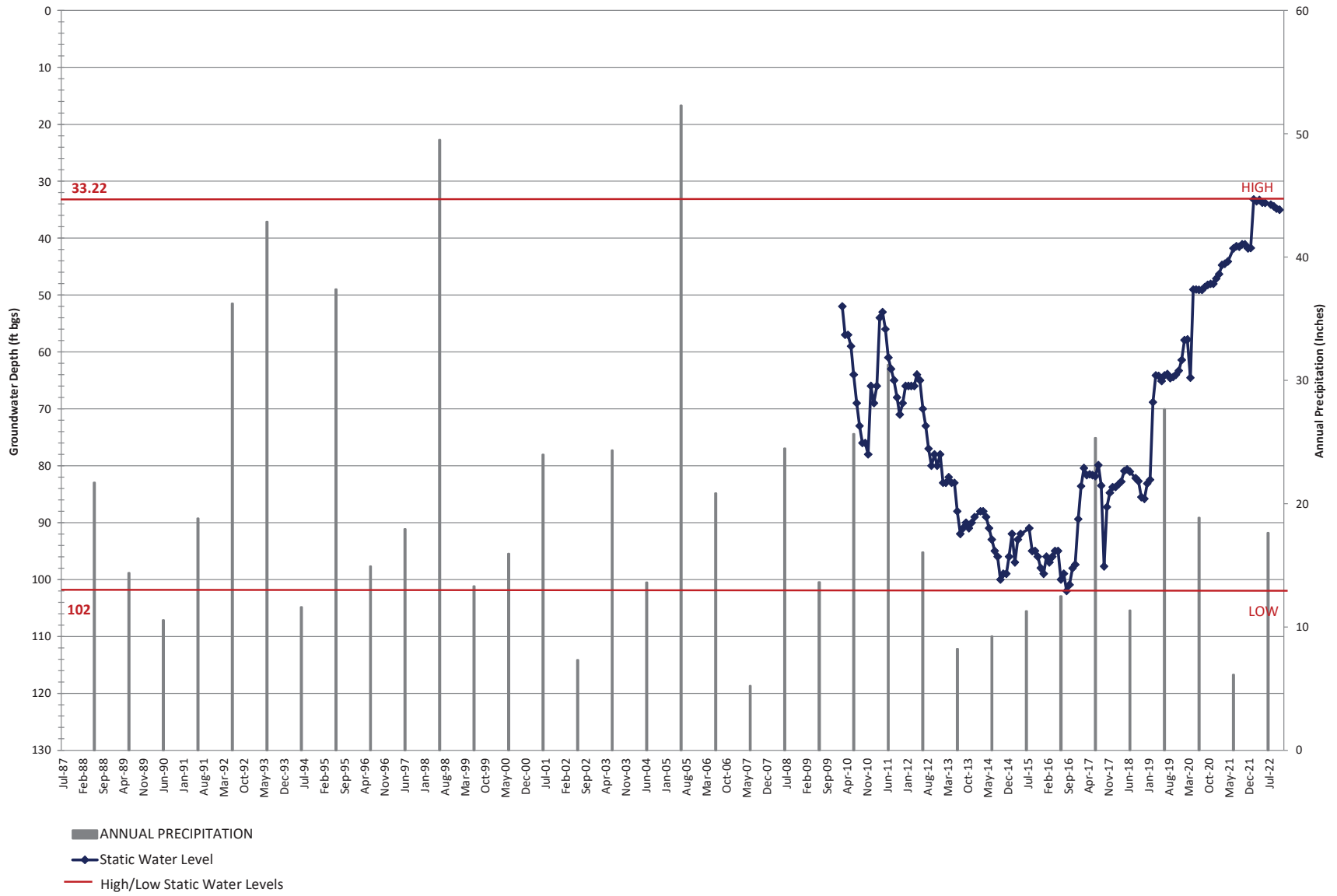
SCV WATER WELL U4
 STATIC WATER LEVEL VS PRECIPITATION



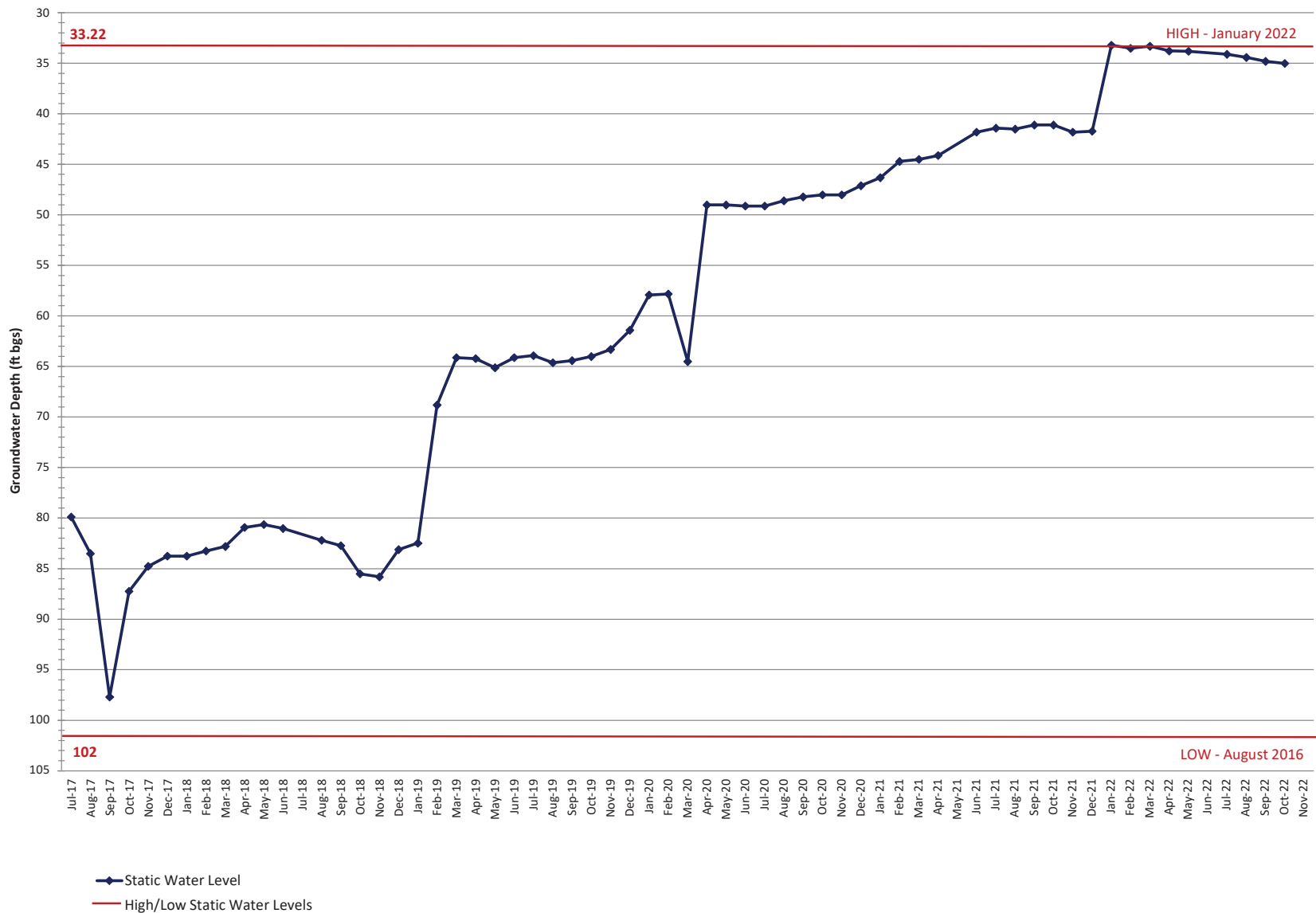
SCV WATER WELL U4
STATIC WATER LEVEL



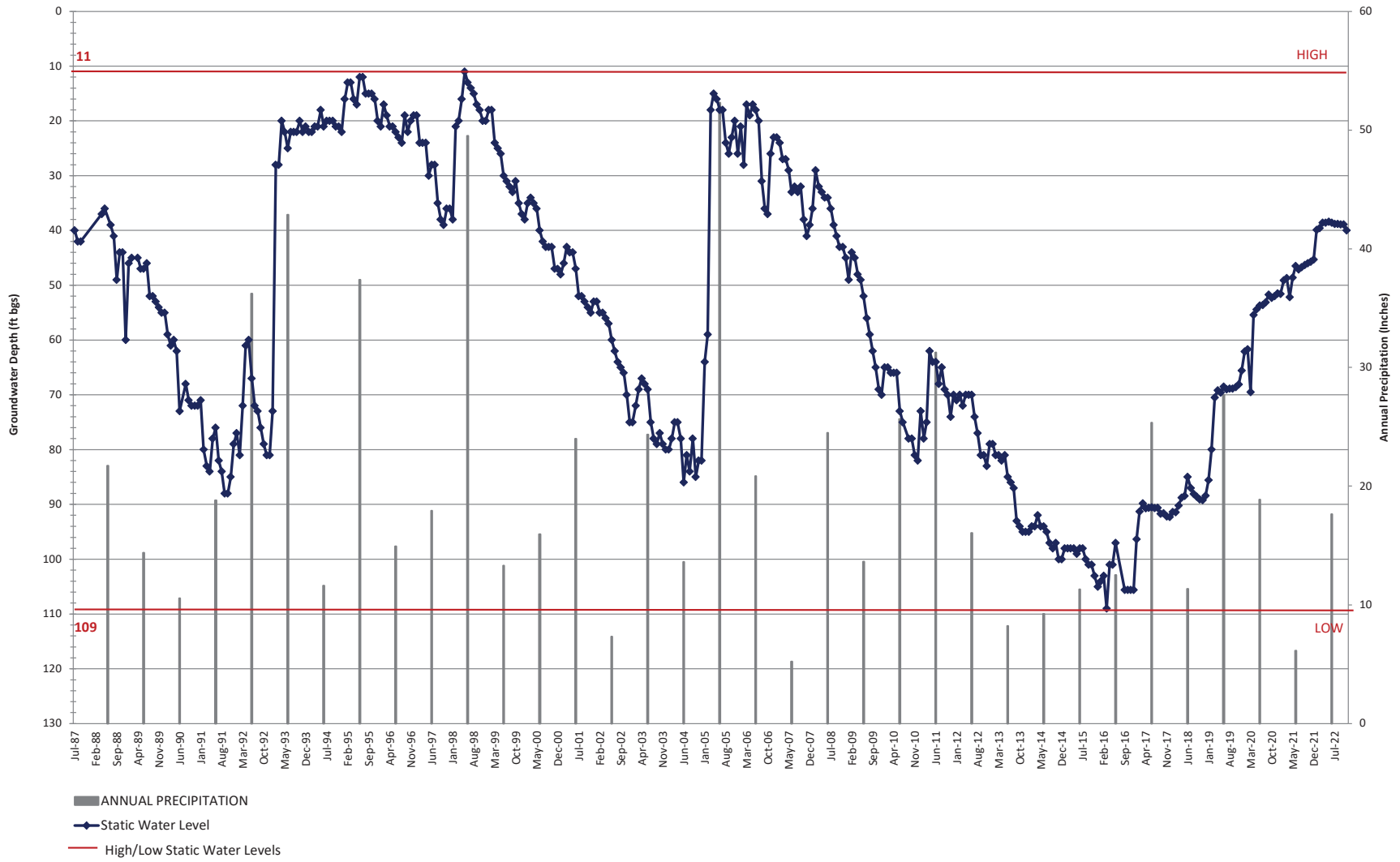
SCV WATER WELL VALLEY CENTER
STATIC WATER LEVEL VS PRECIPITATION



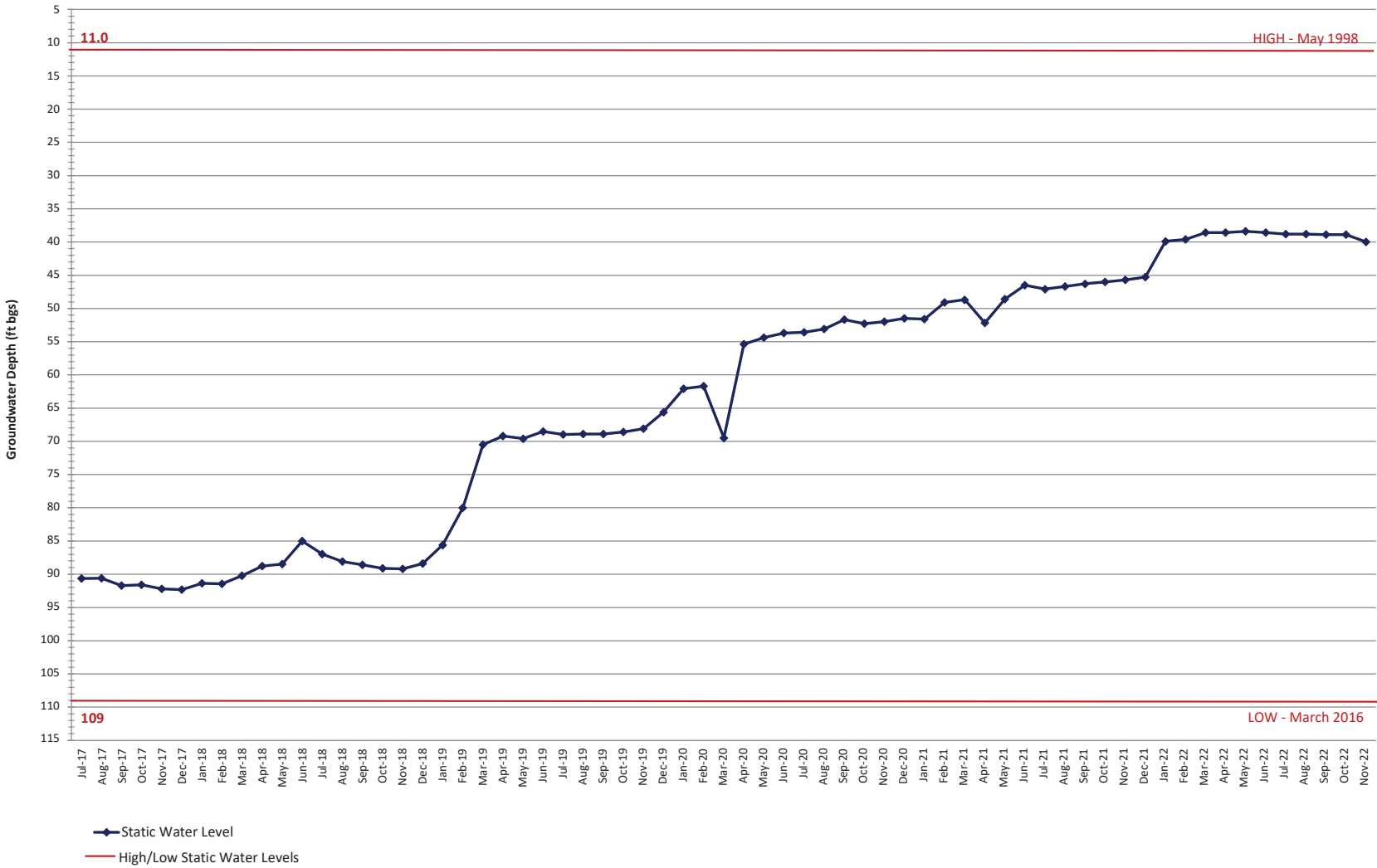
SCV WATER WELL VALLEY CENTER
 STATIC WATER LEVEL



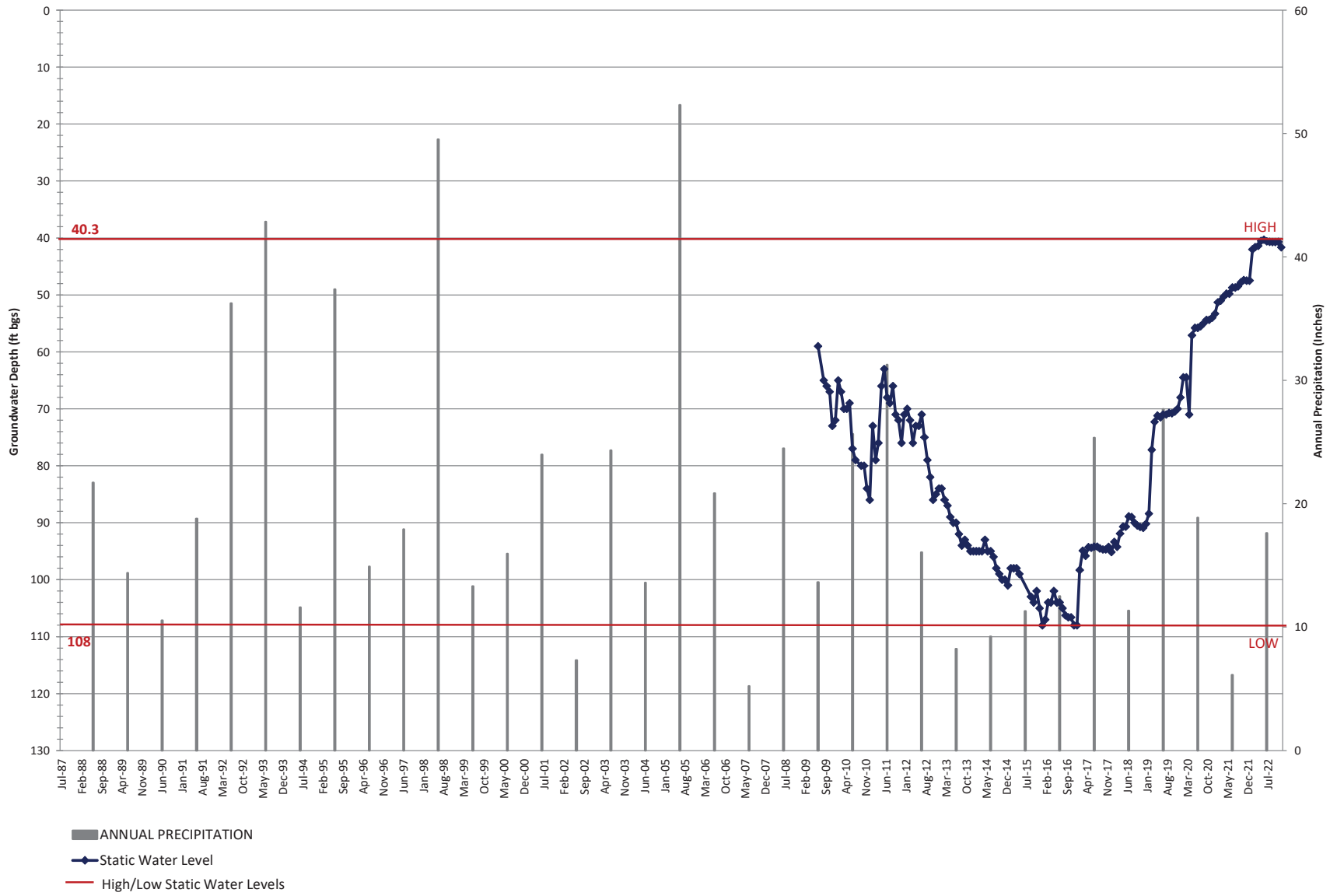
SCV WATER WELL HONBY #12
STATIC WATER LEVEL VS PRECIPITATION



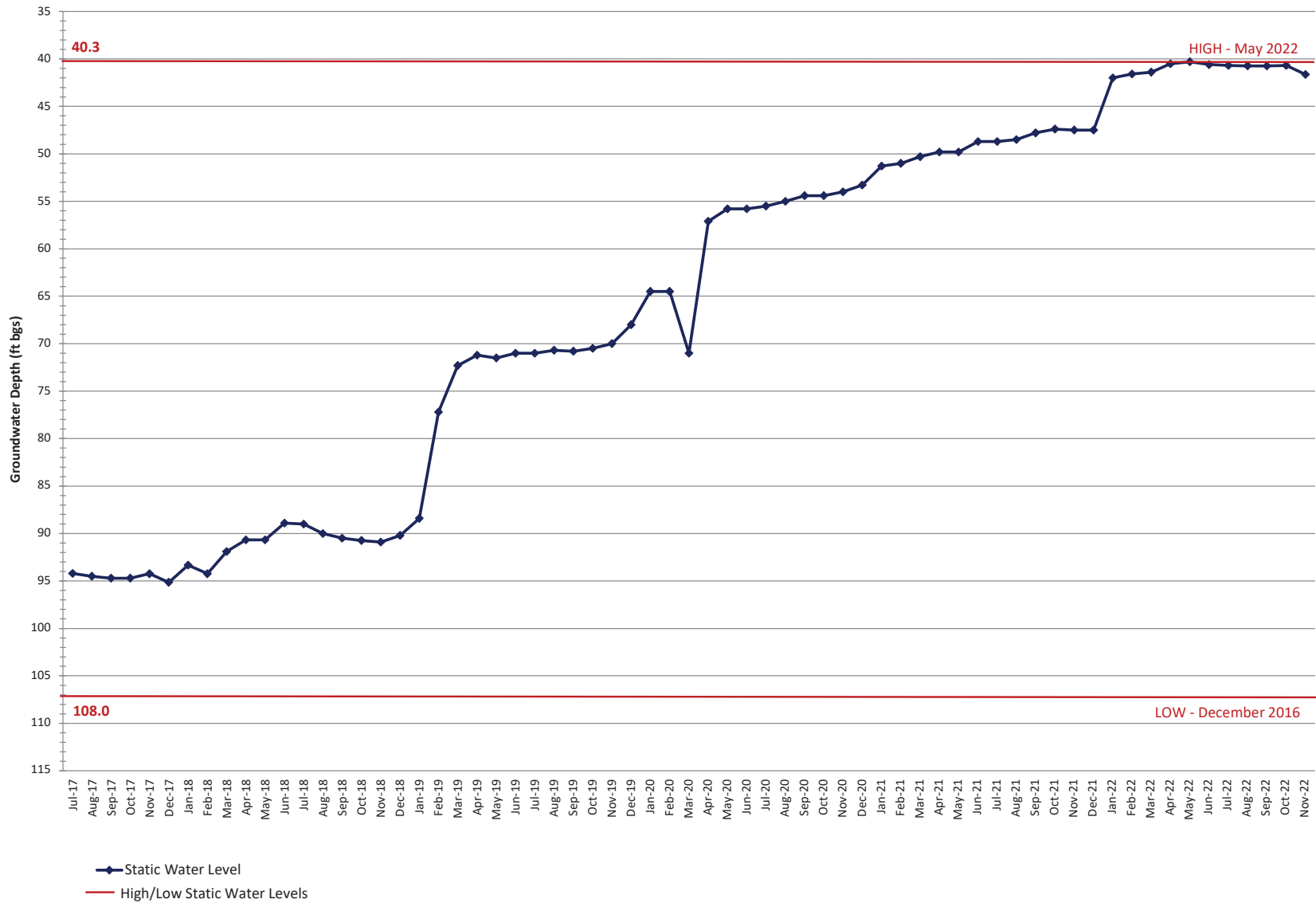
SCV WATER WELL HONBY #12
 STATIC WATER LEVEL



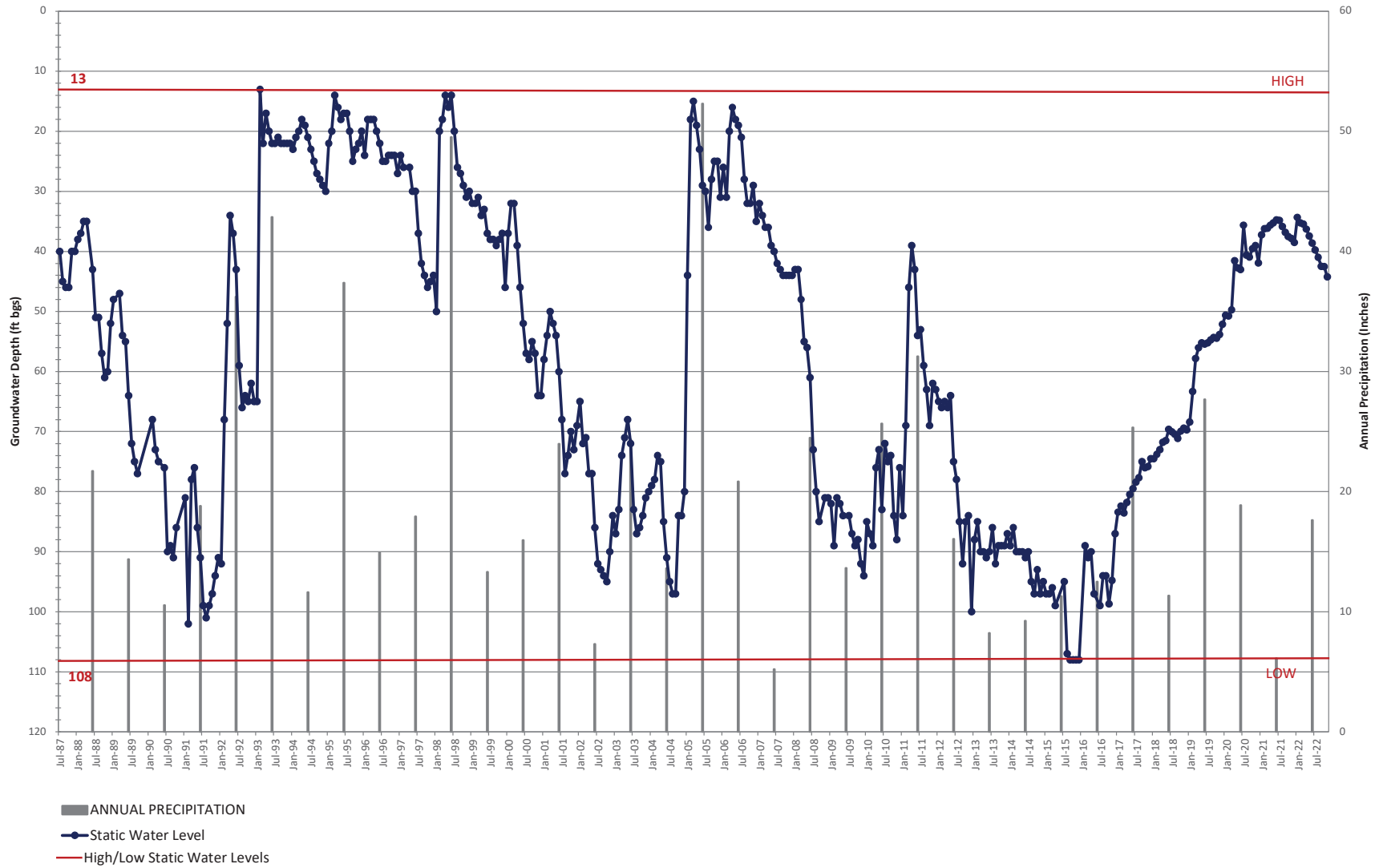
SCV WATER WELL SANTA CLARA
 STATIC WATER LEVEL VS PRECIPITATION



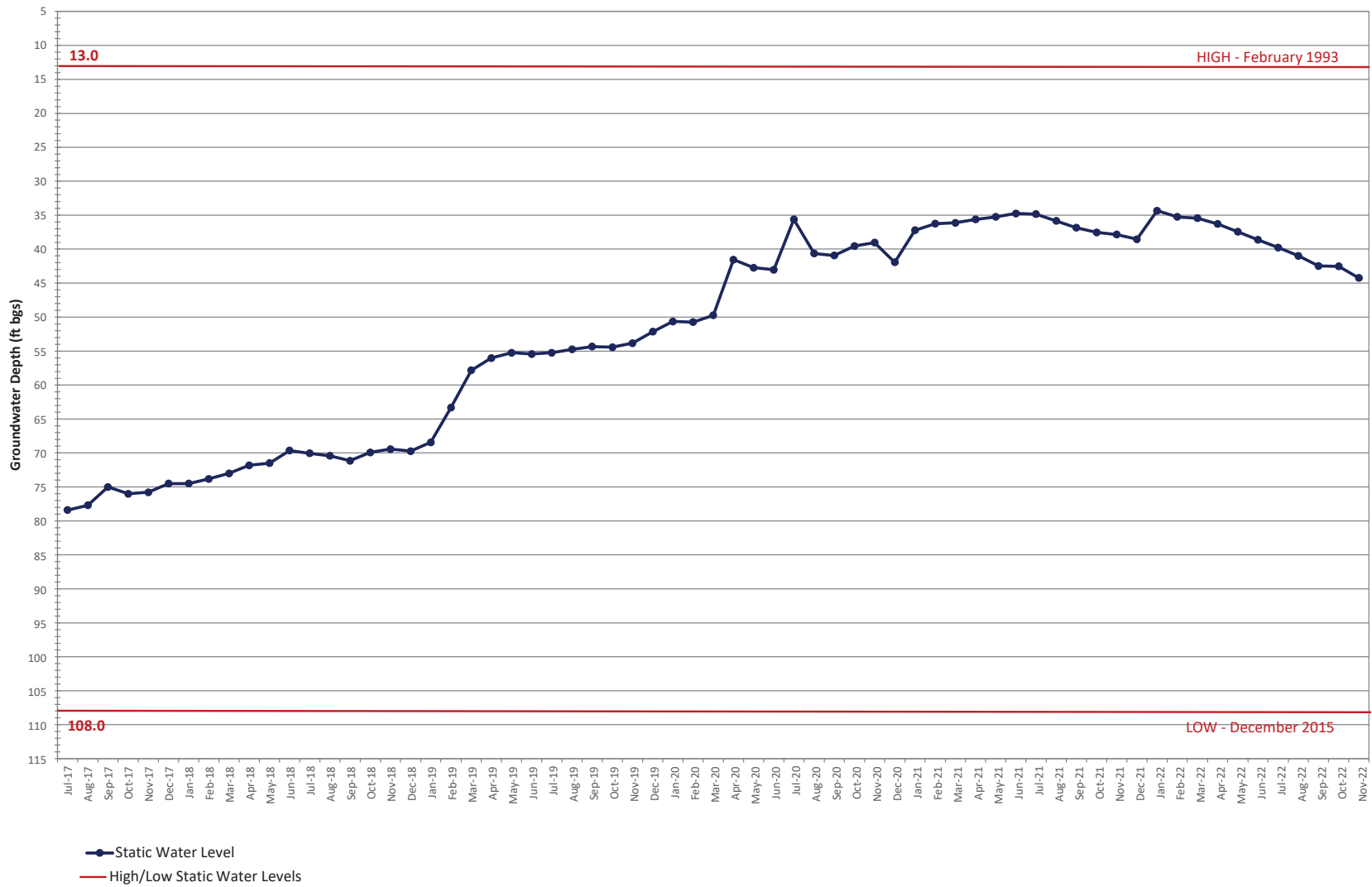
SCV WATER WELL SANTA CLARA
 STATIC WATER LEVEL



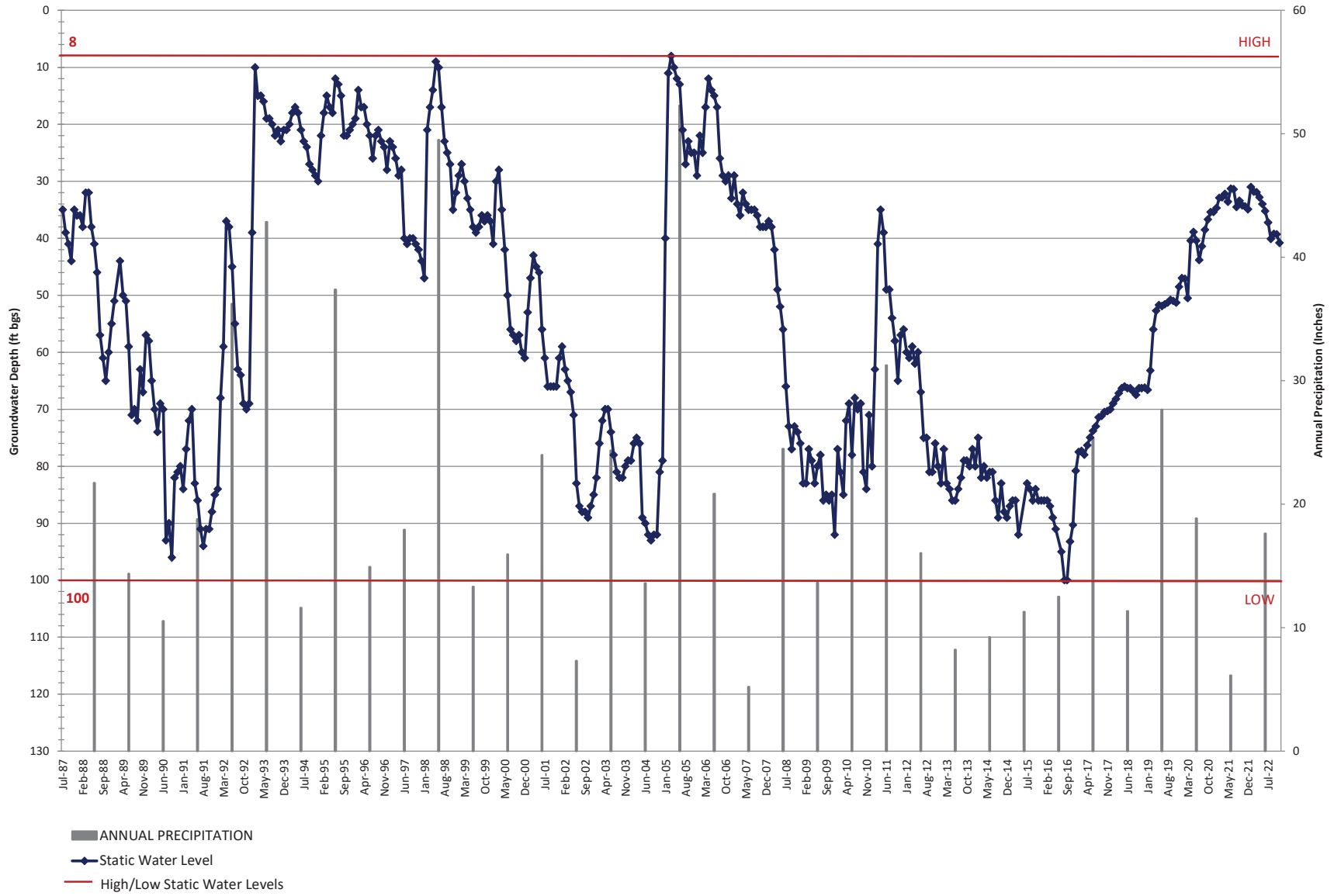
SCV WATER WELL NORTH OAKS CENTRAL #8
STATIC WATER LEVEL VS. PRECIPITATION



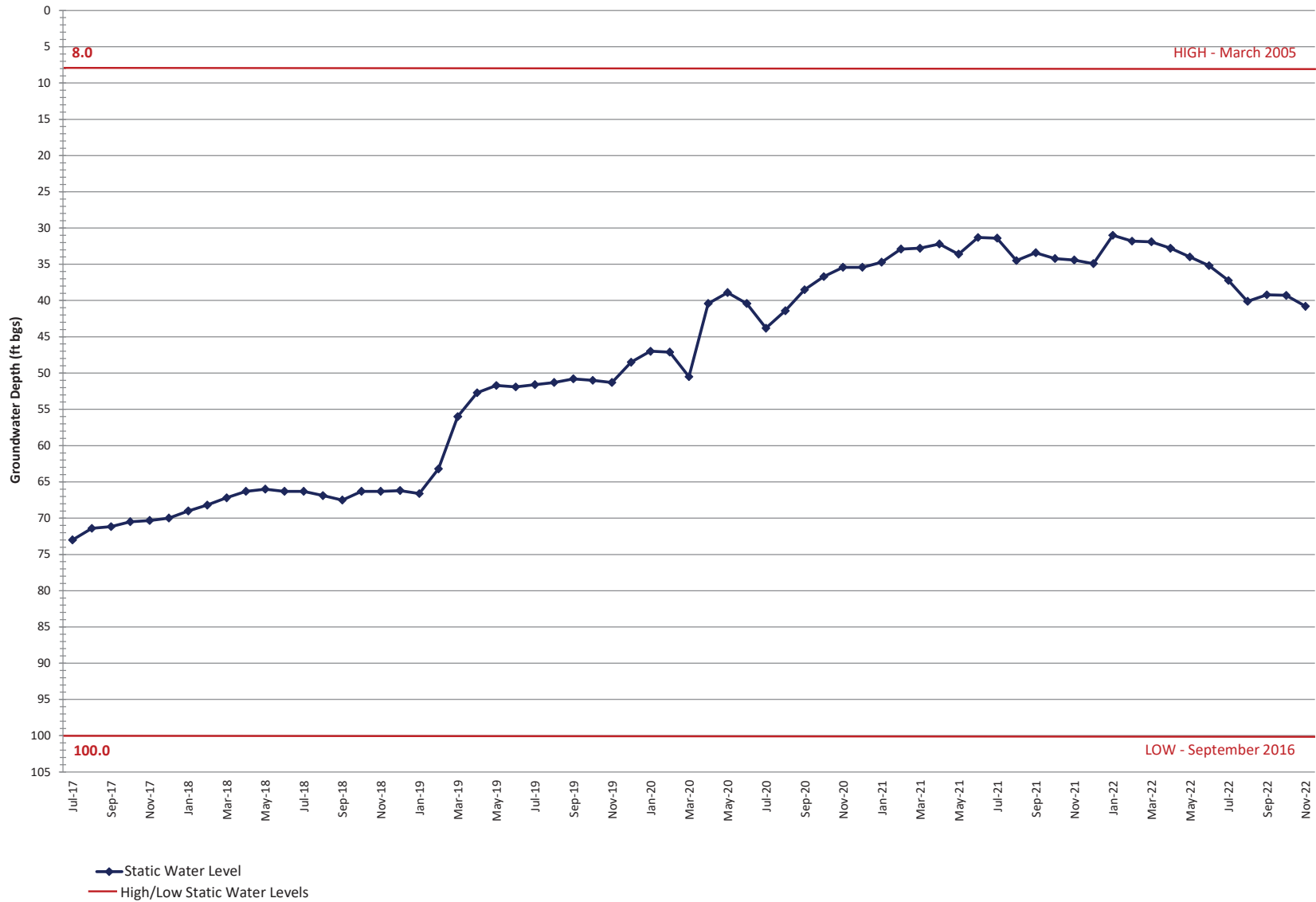
SCV WATER WELL NORTH OAKS CENTRAL #8
STATIC WATER LEVEL



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



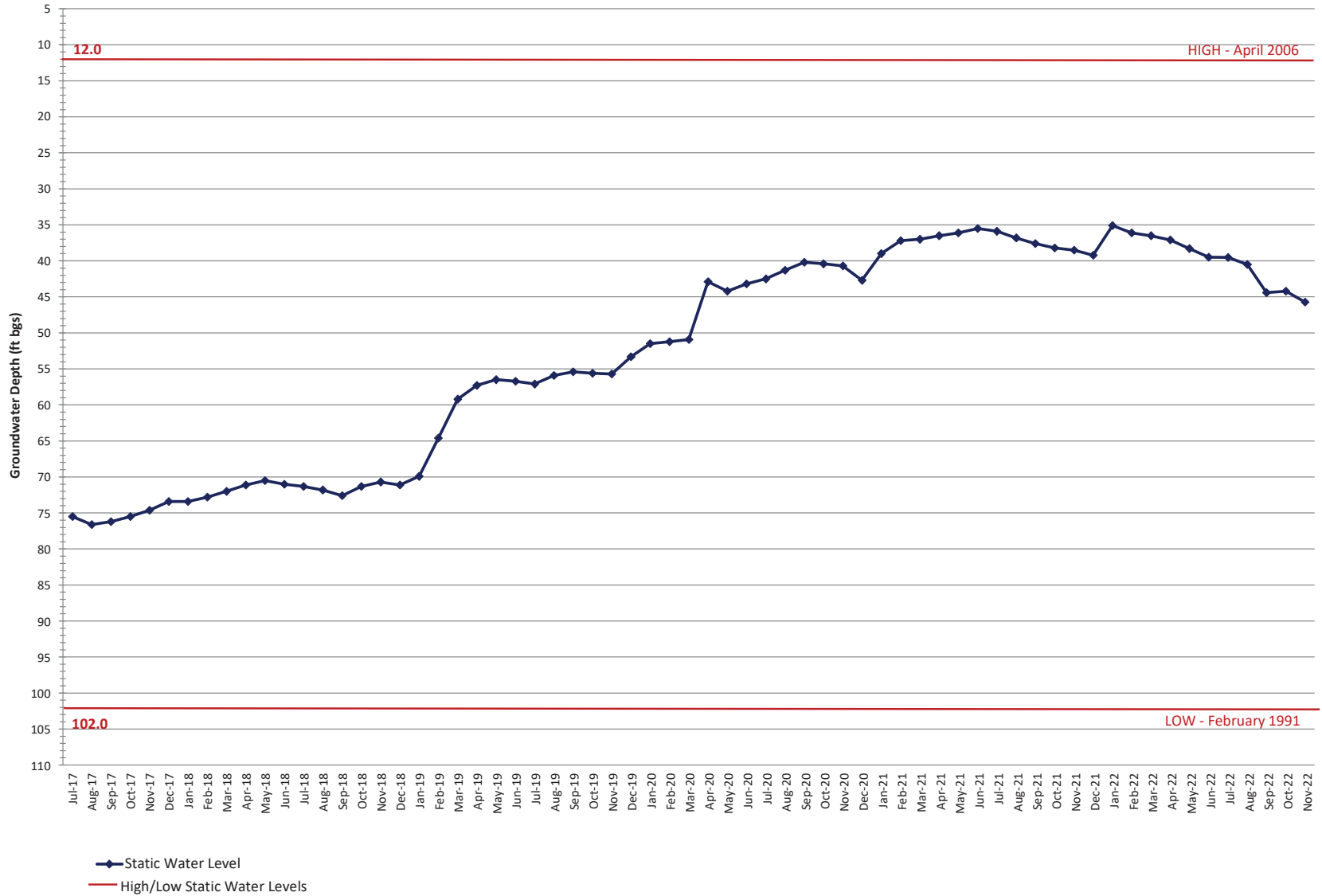
SCV WATER WELL NORTH OAKS WEST #9
 STATIC WATER LEVEL



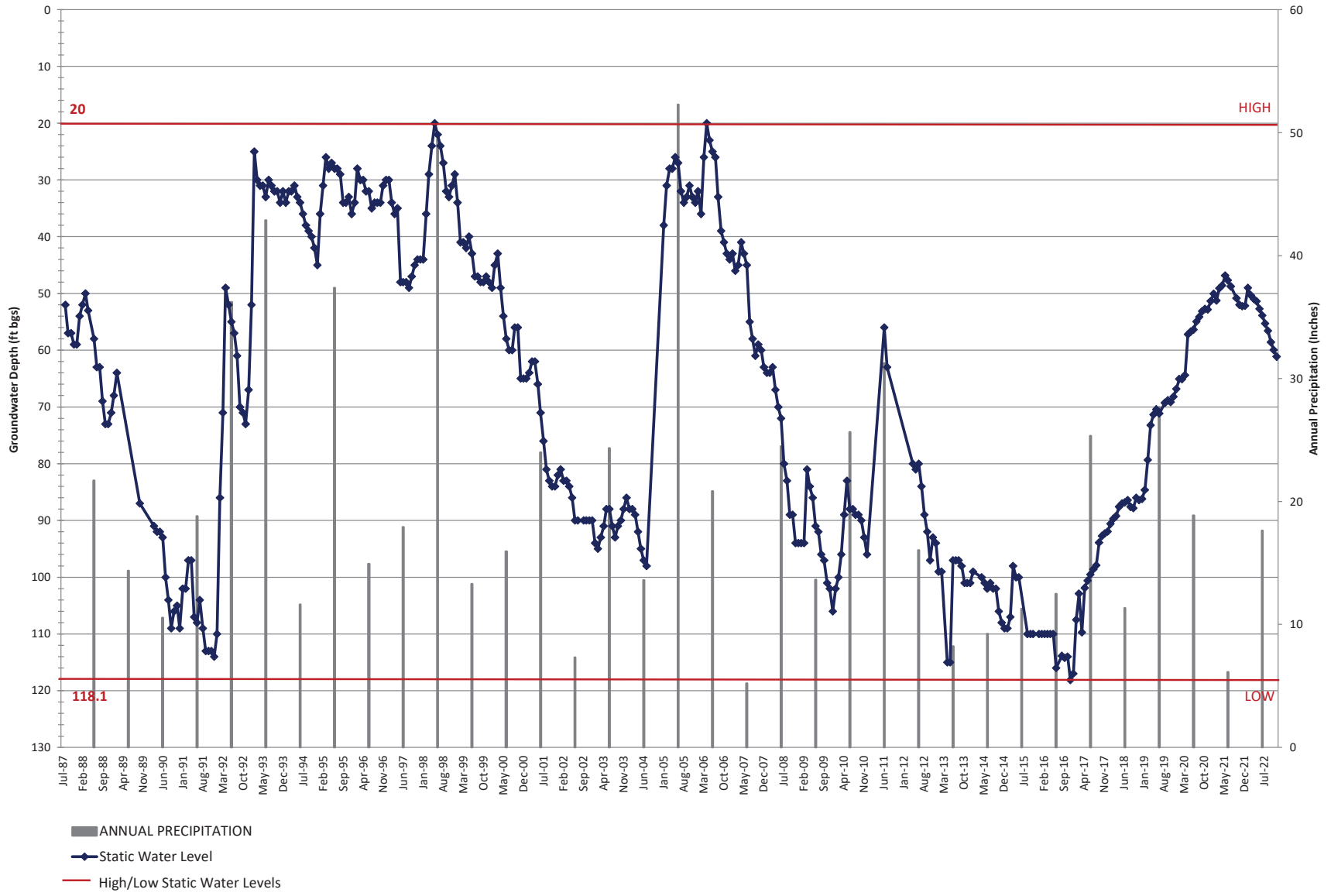
SCV WATER WELL NORTH OAKS EAST #7
 STATIC WATER LEVEL VS PRECIPITATION



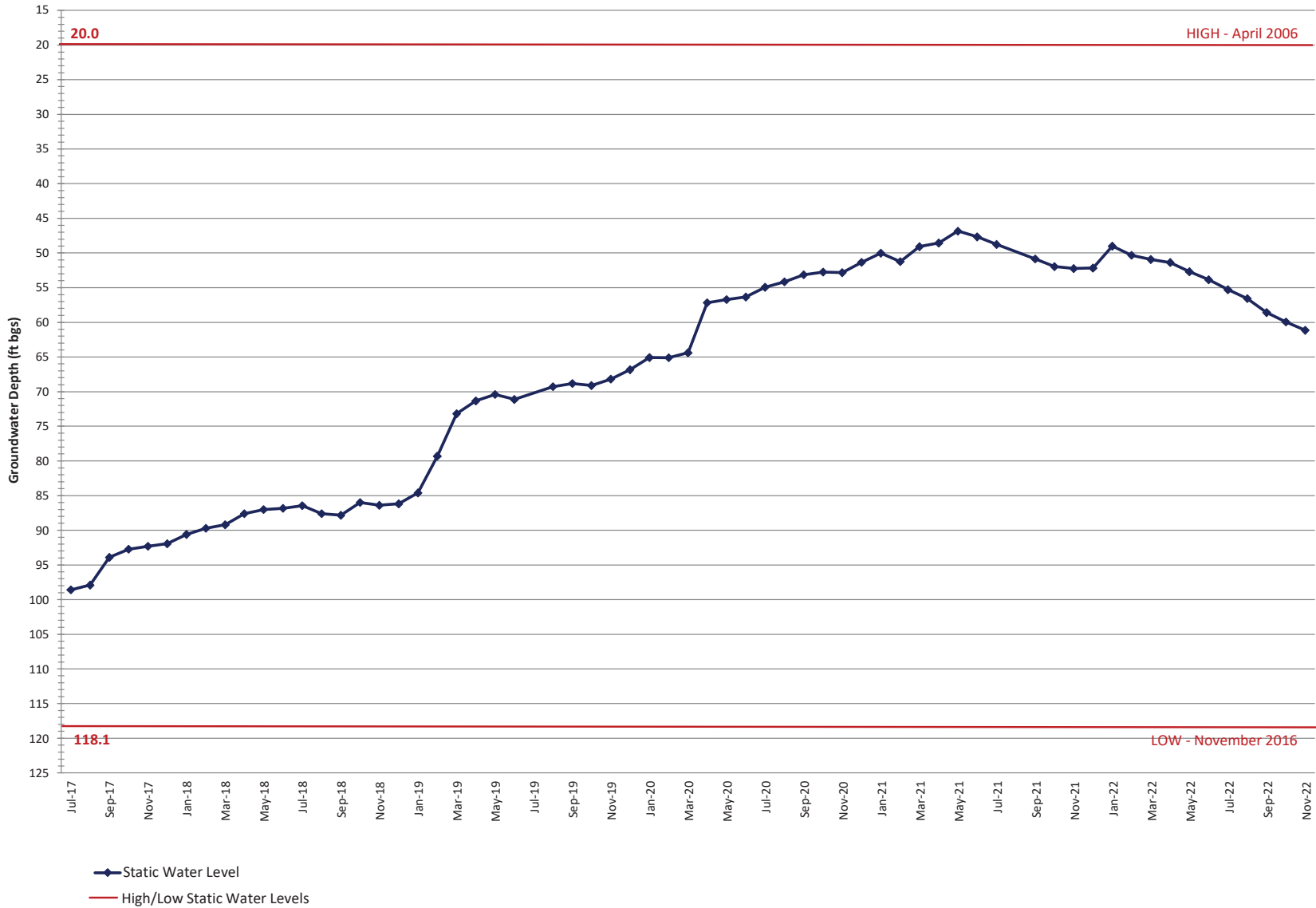
SCV WATER WELL NORTH OAKS EAST #7
STATIC WATER LEVEL



SCV WATER WELL SIERRA #6
 STATIC WATER LEVEL VS PRECIPITATION



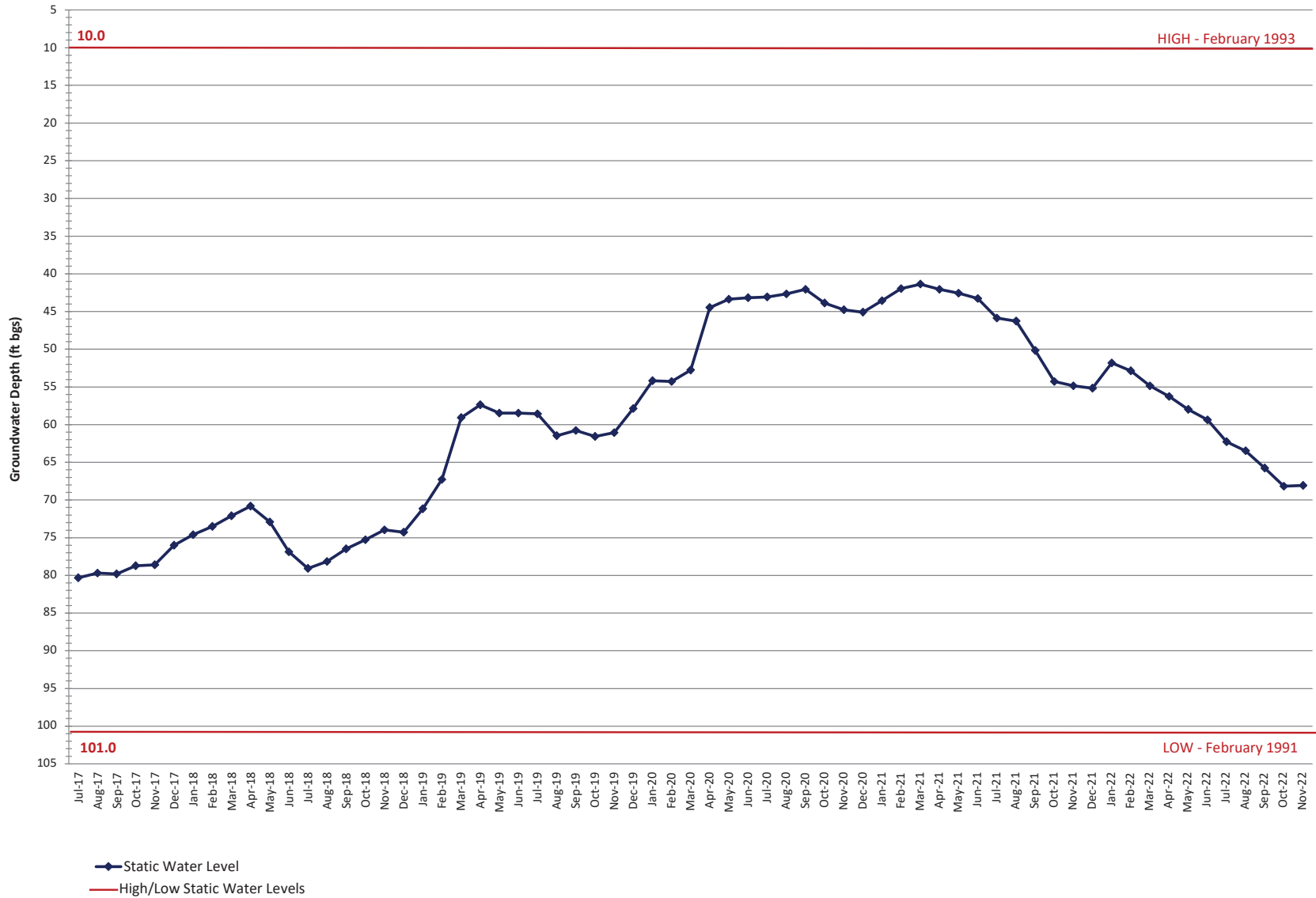
SCV WATER WELL SIERRA #6
 STATIC WATER LEVEL



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



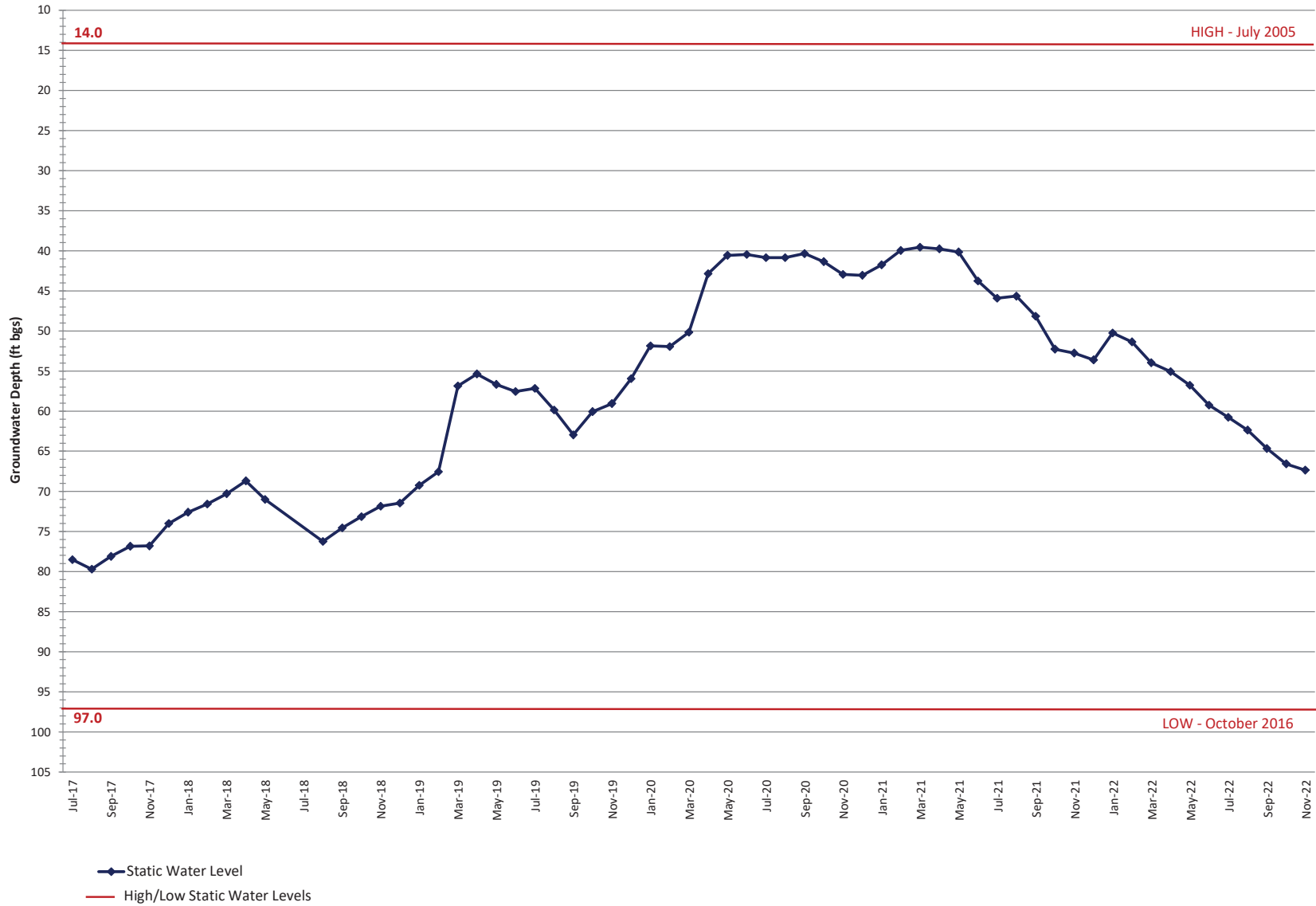
SCV WATER WELL MITCHELL #5A
 STATIC WATER LEVEL



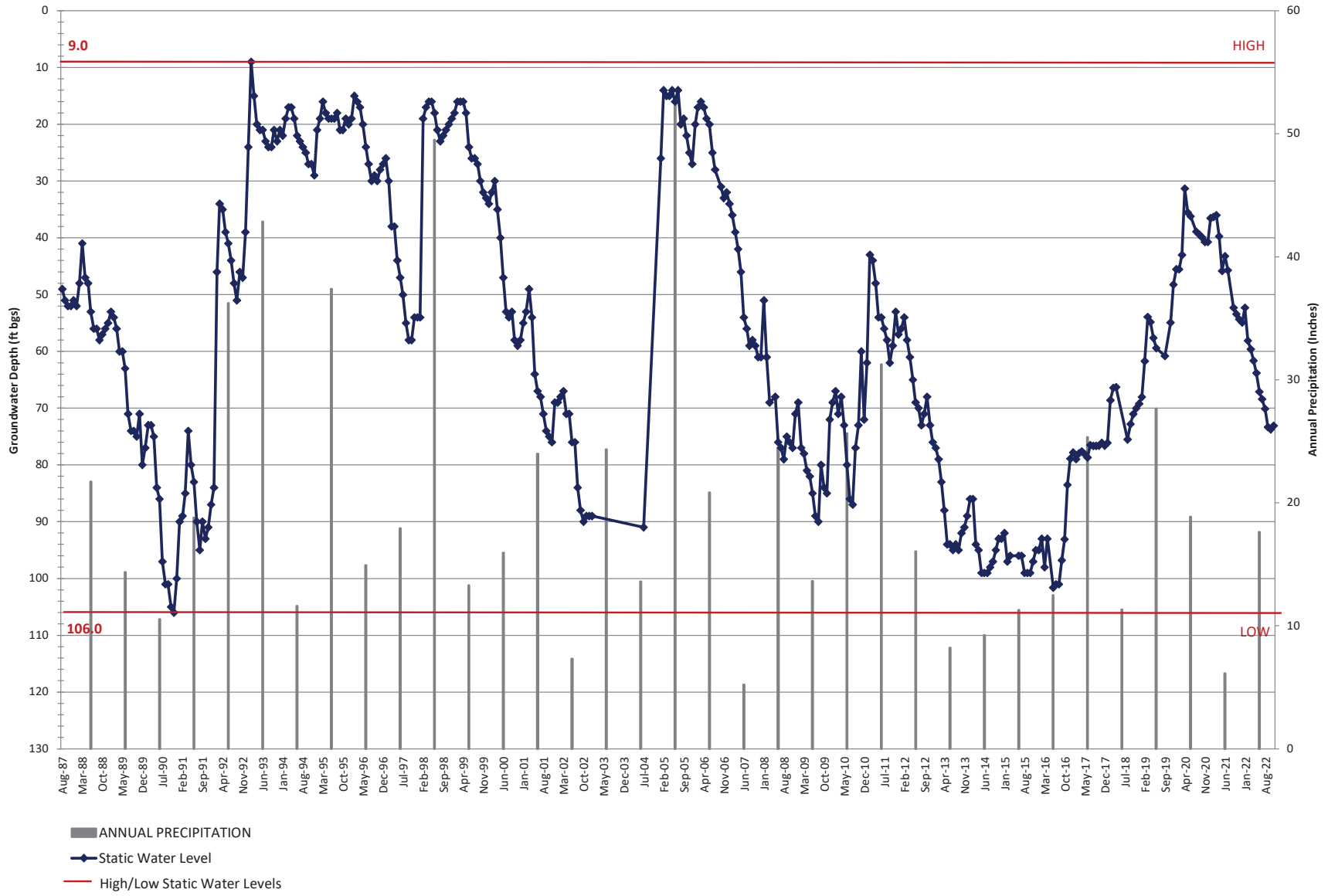
SCV WATER WELL MITCHELL #5B
STATIC WATER LEVEL VS PRECIPITATION



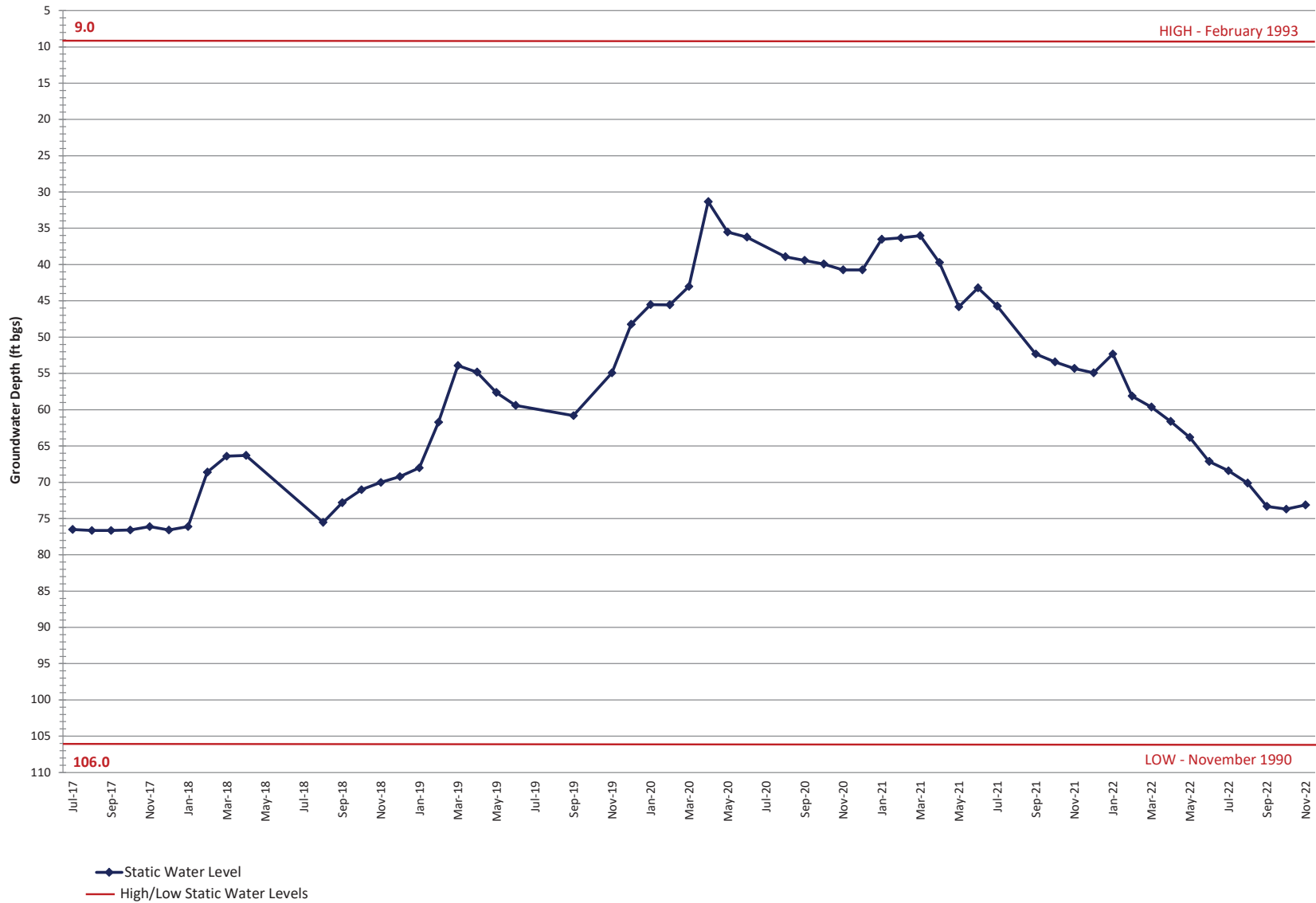
SCV WATER WELL MITCHELL #5B
 STATIC WATER LEVEL



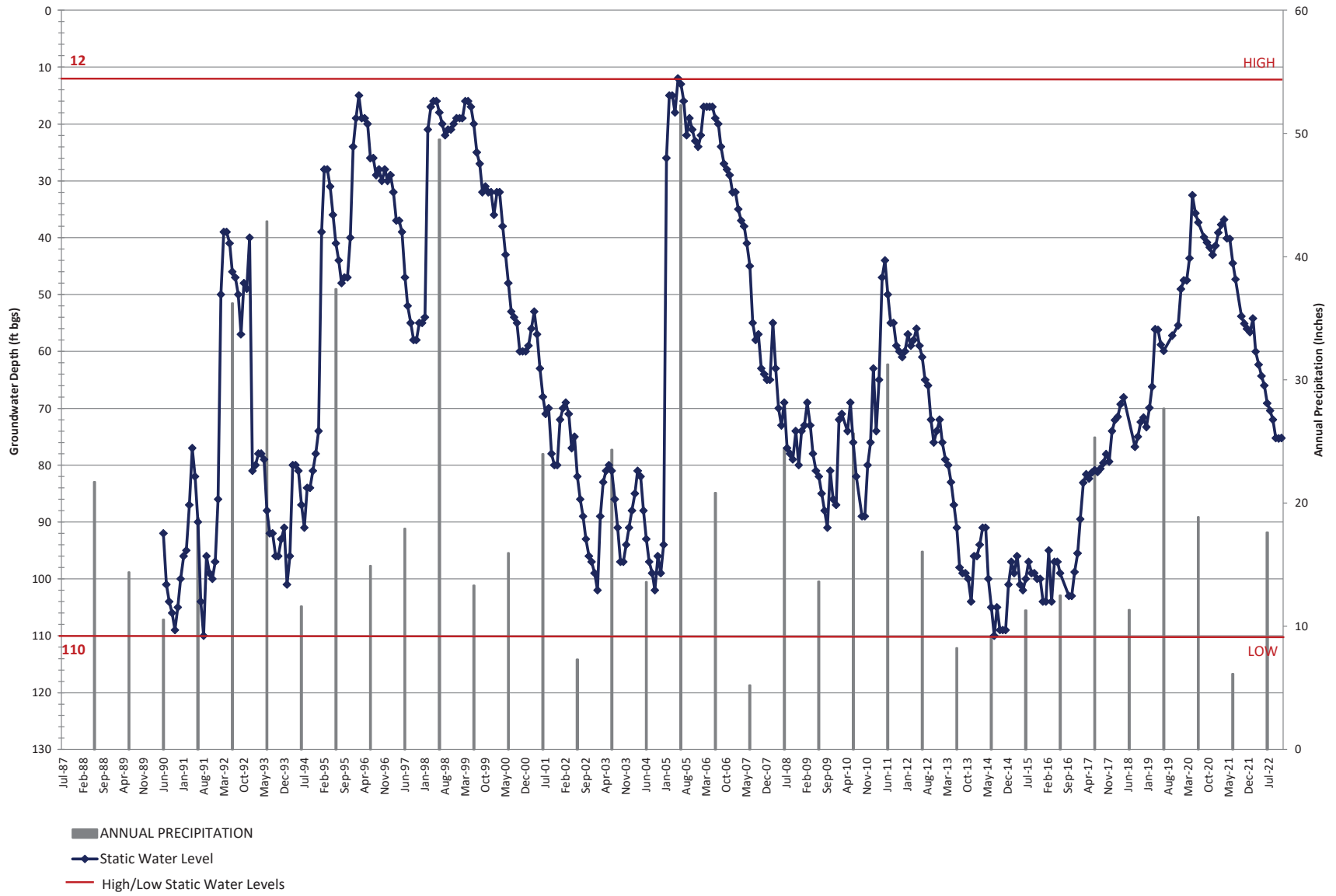
SCV WATER WELL SAND CANYON #3
 STATIC WATER LEVEL VS PRECIPITATION



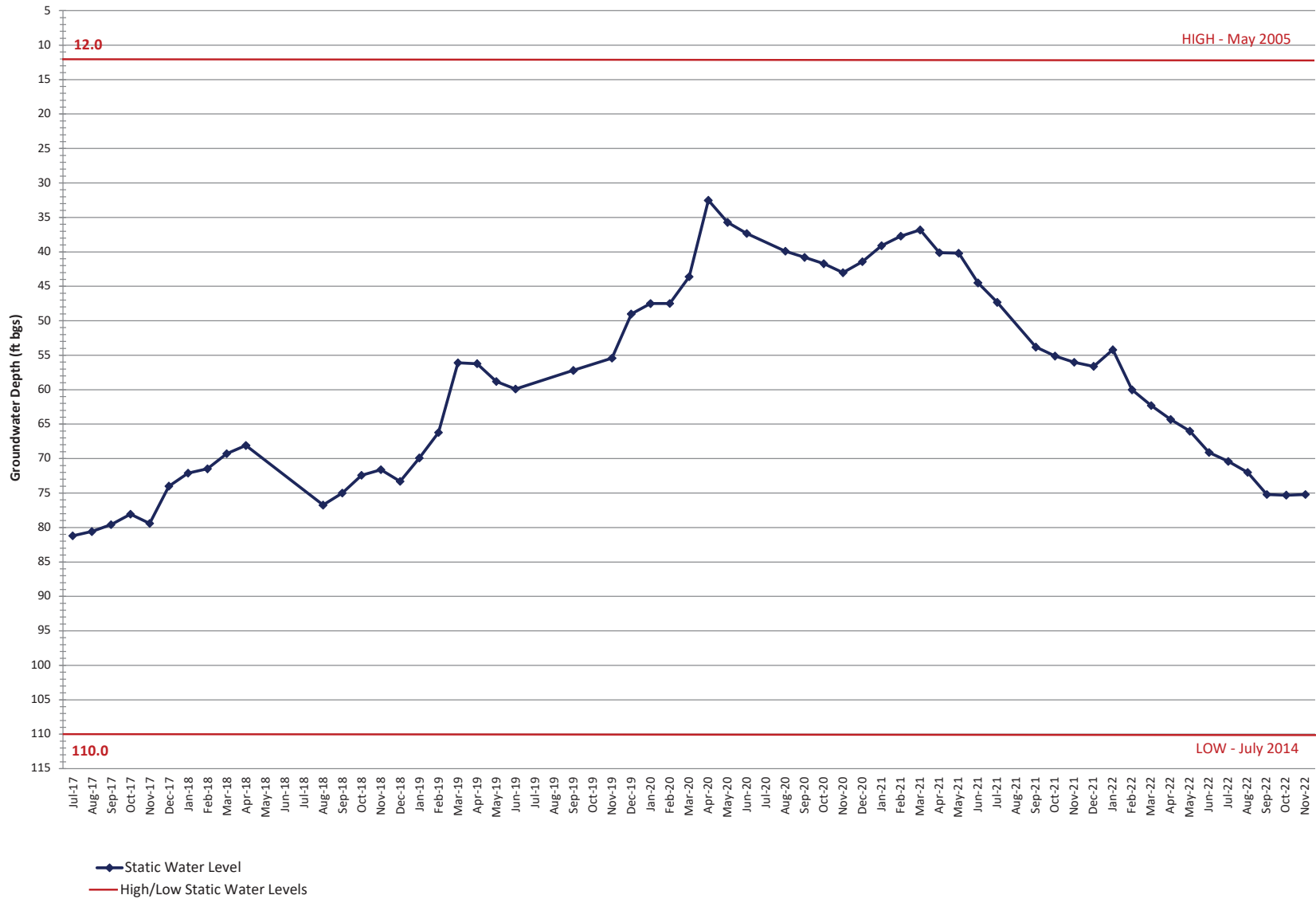
SCV WATER WELL SAND CANYON #3
STATIC WATER LEVEL



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



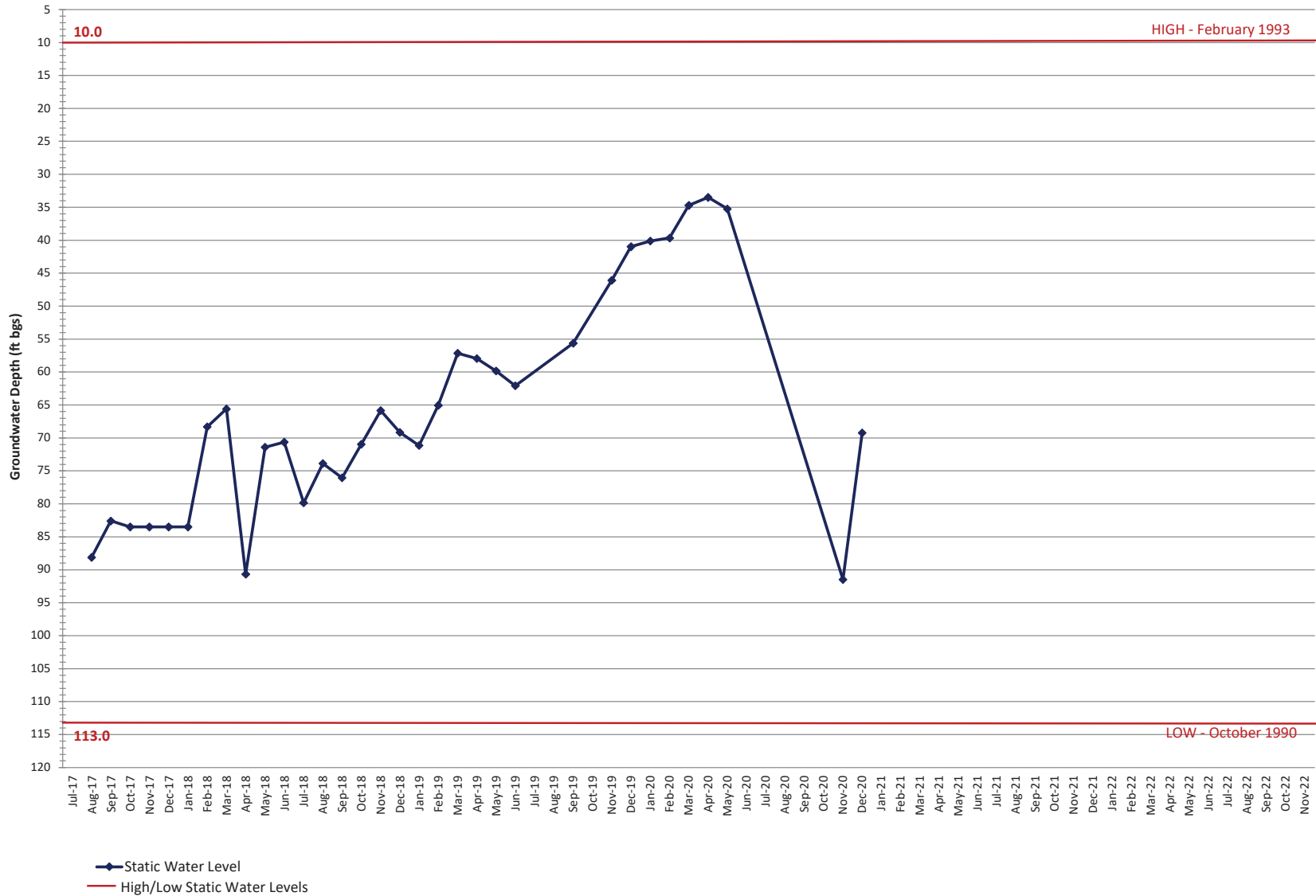
SCV WATER WELL LOST CANYON #2A
 STATIC WATER LEVEL



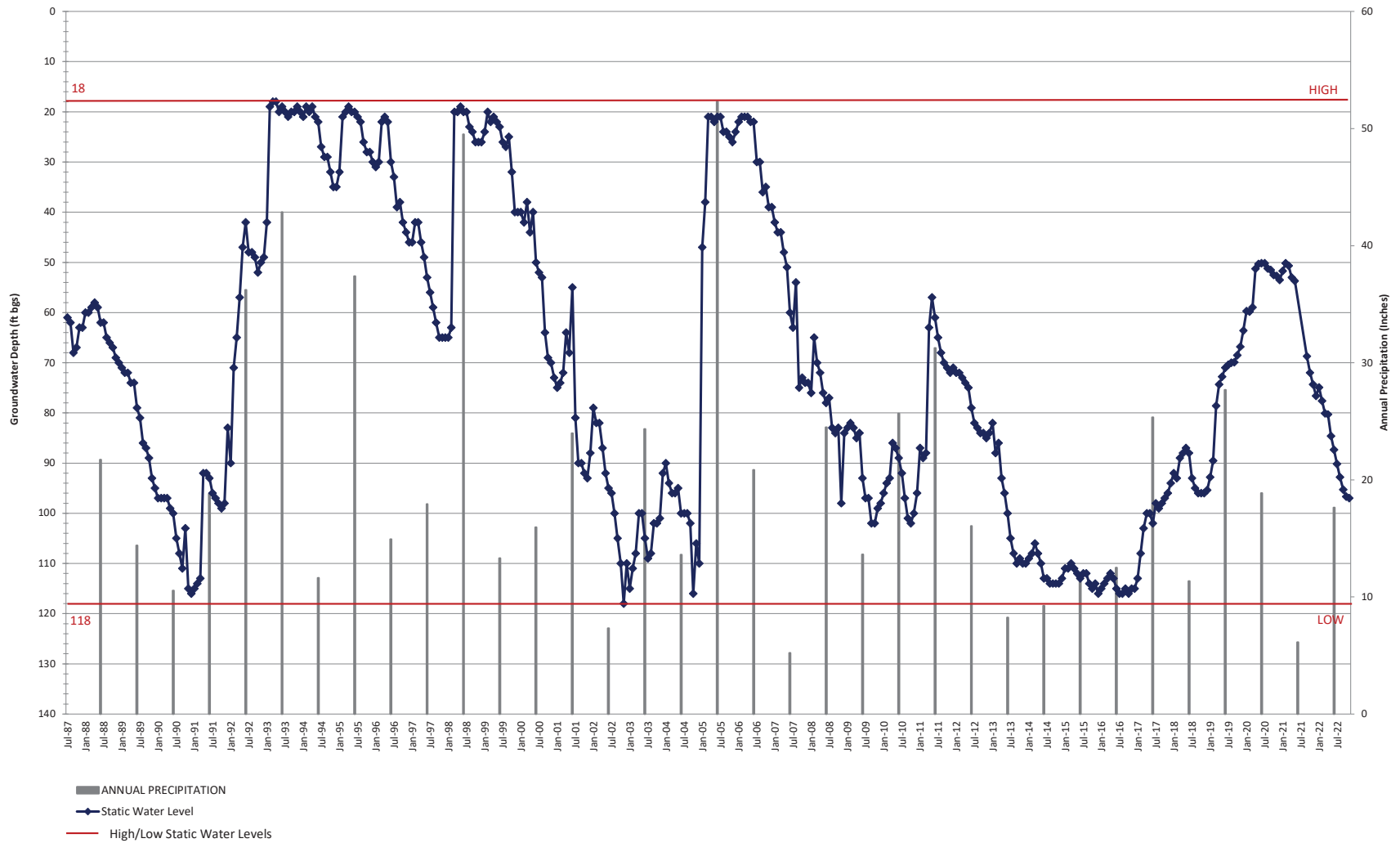
SCV WATER WELL LOST CANYON #2
 STATIC WATER LEVEL VS PRECIPITATION



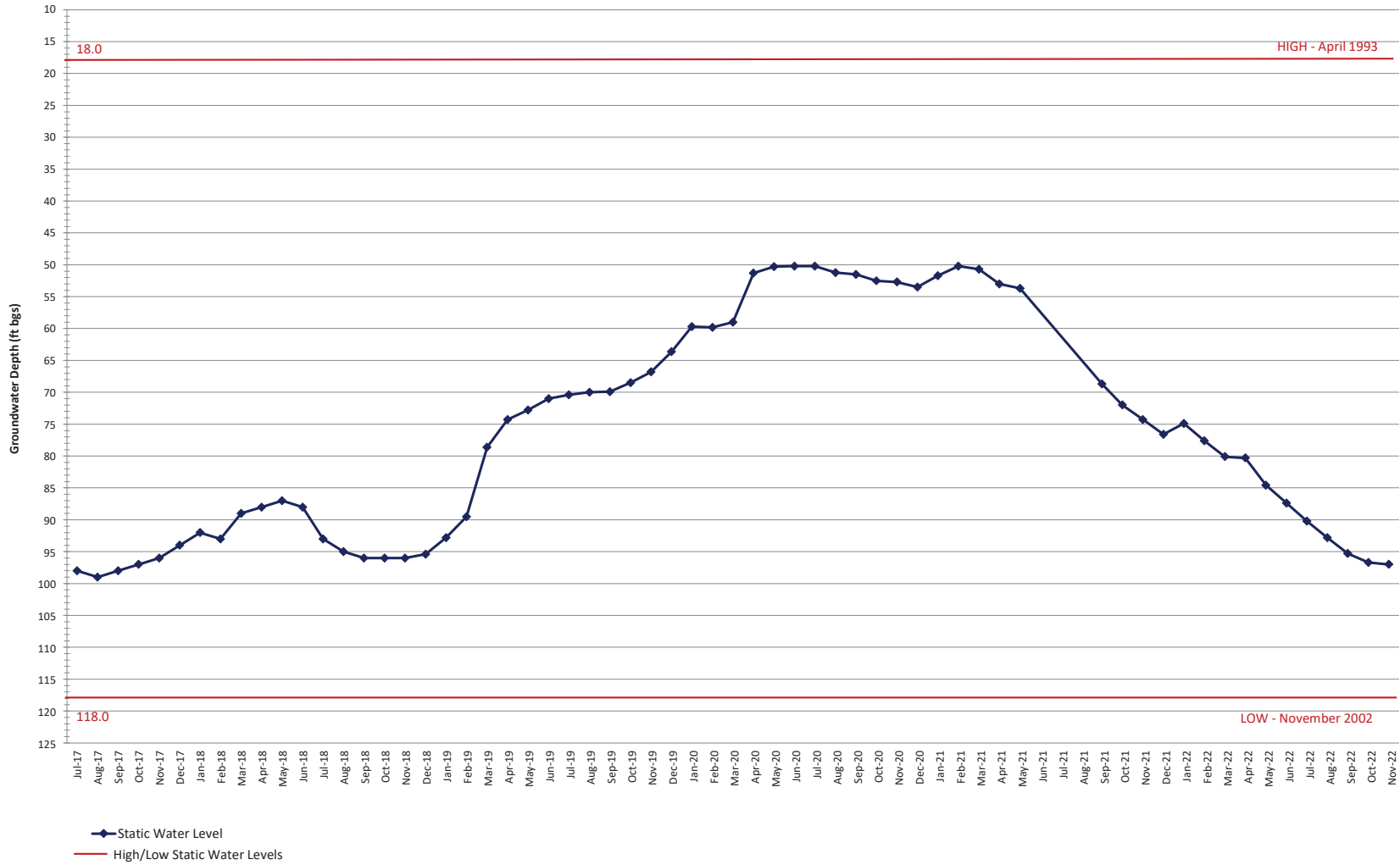
SCV WATER WELL LOST CANYON #2
STATIC WATER LEVEL



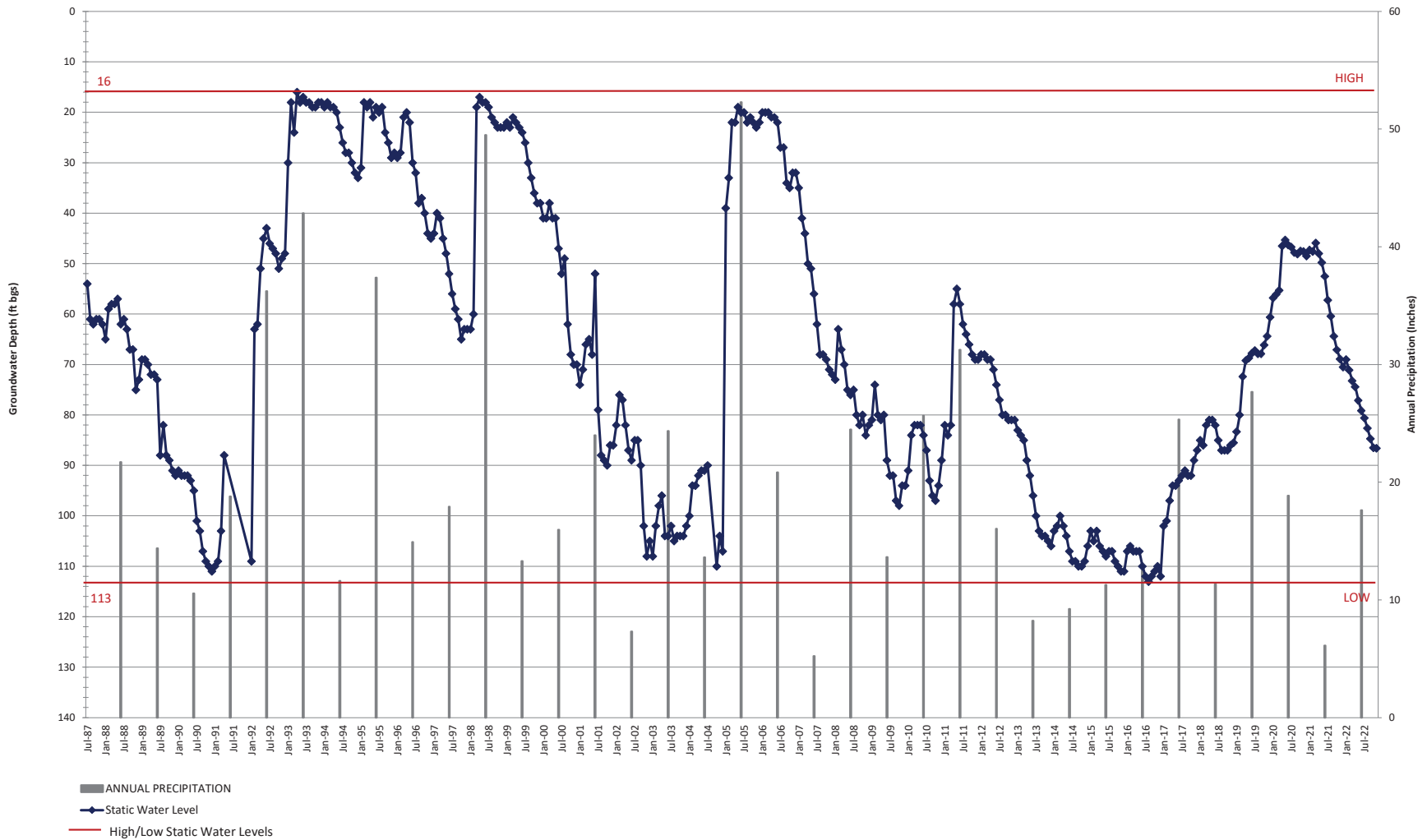
SCV WATER WELL P3
 STATIC WATER LEVEL VS PRECIPITATION



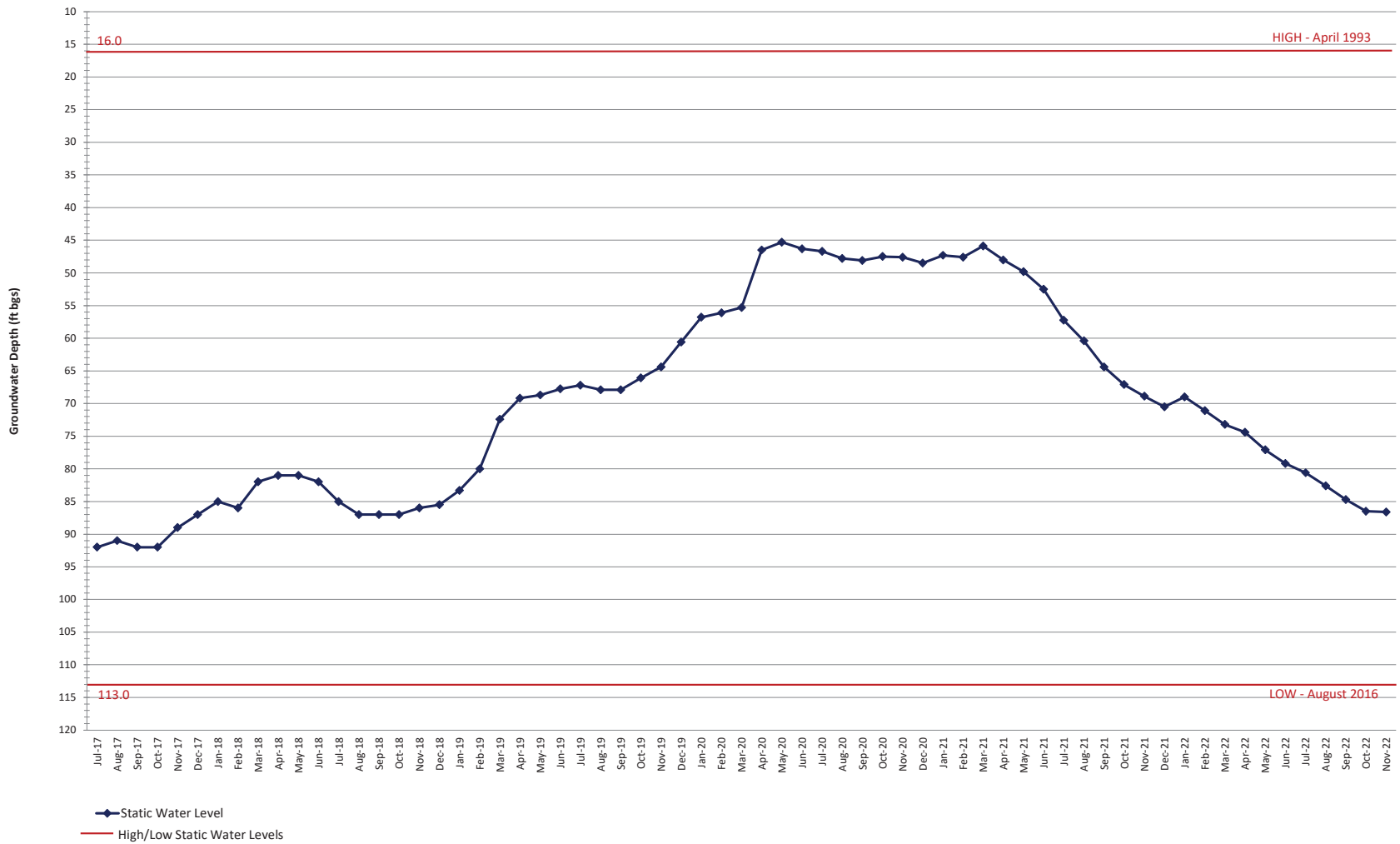
SCV WATER WELL P3
STATIC WATER LEVEL



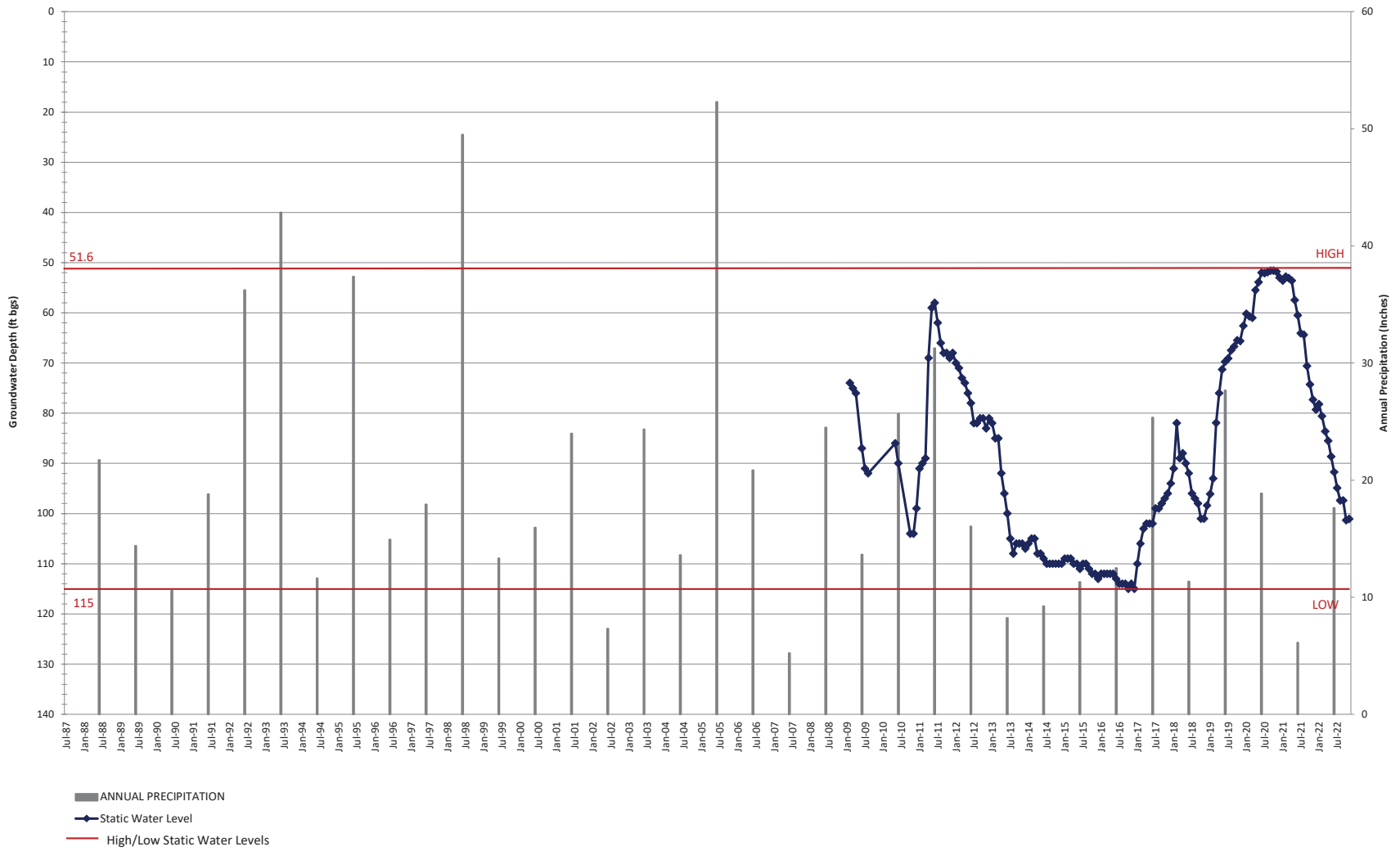
SCV WATER WELL P4
 STATIC WATER LEVEL VS PRECIPITATION



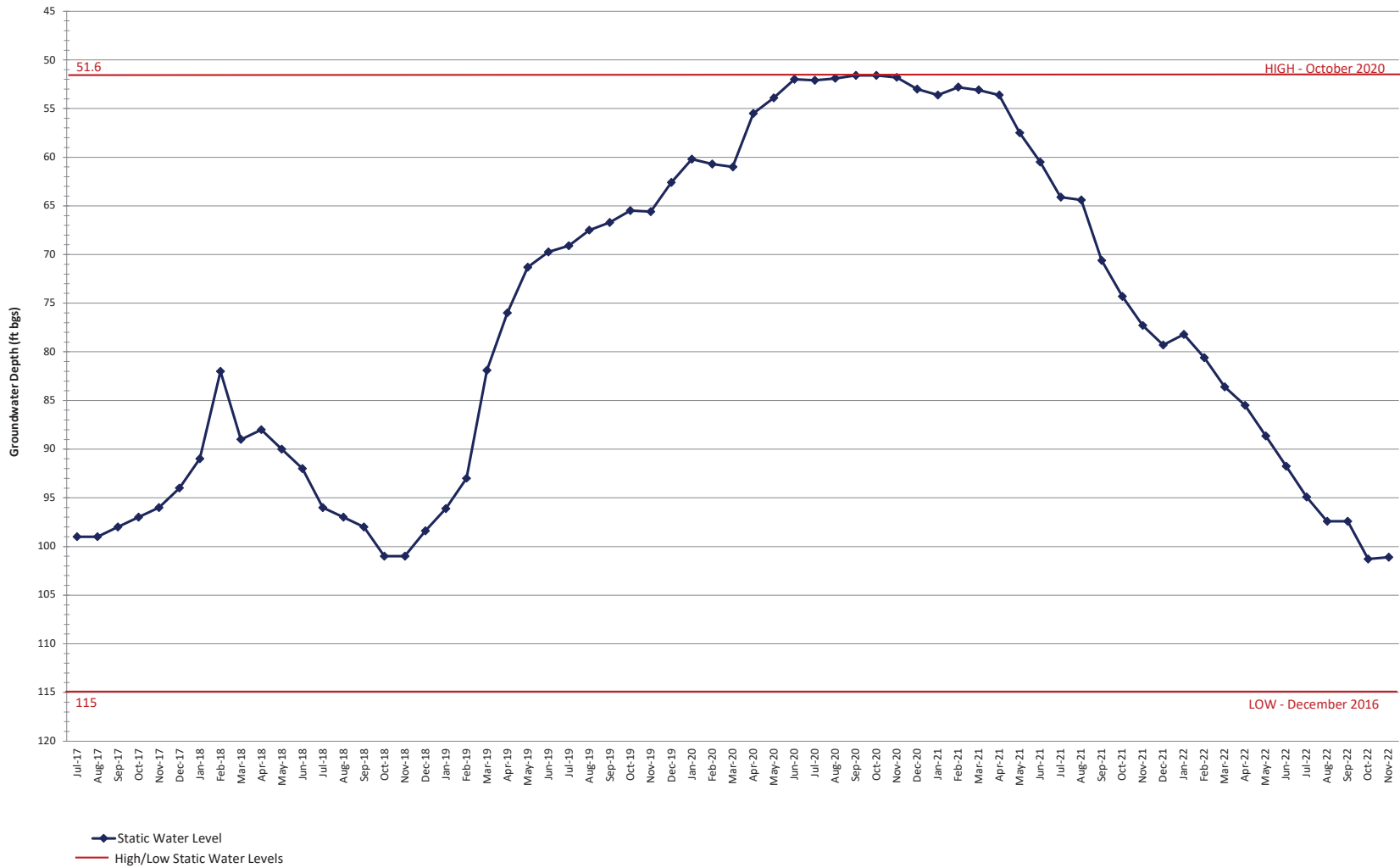
SCV WATER WELL P4
STATIC WATER LEVEL



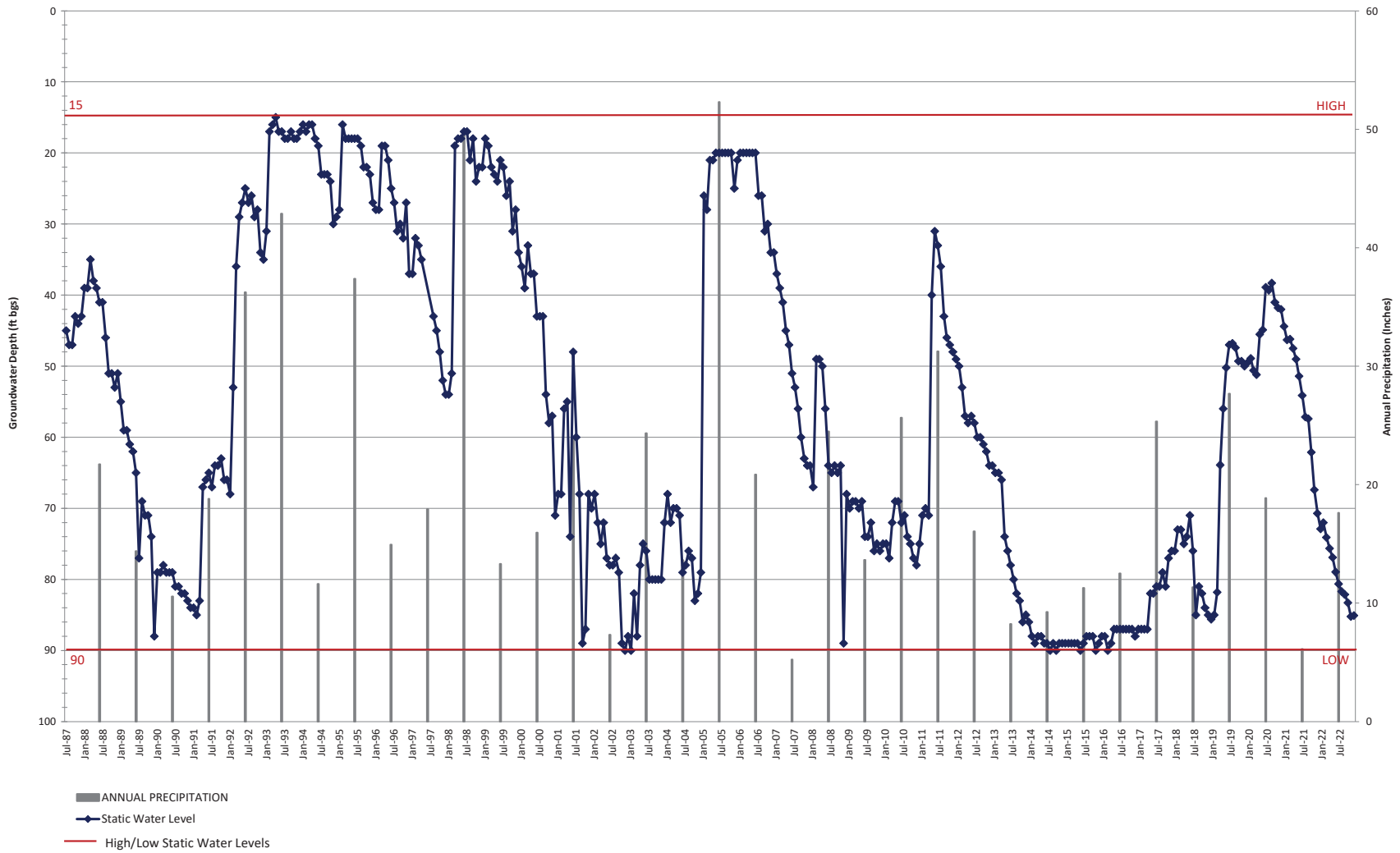
SCV WATER WELL P5
 STATIC WATER LEVEL VS PRECIPITATION



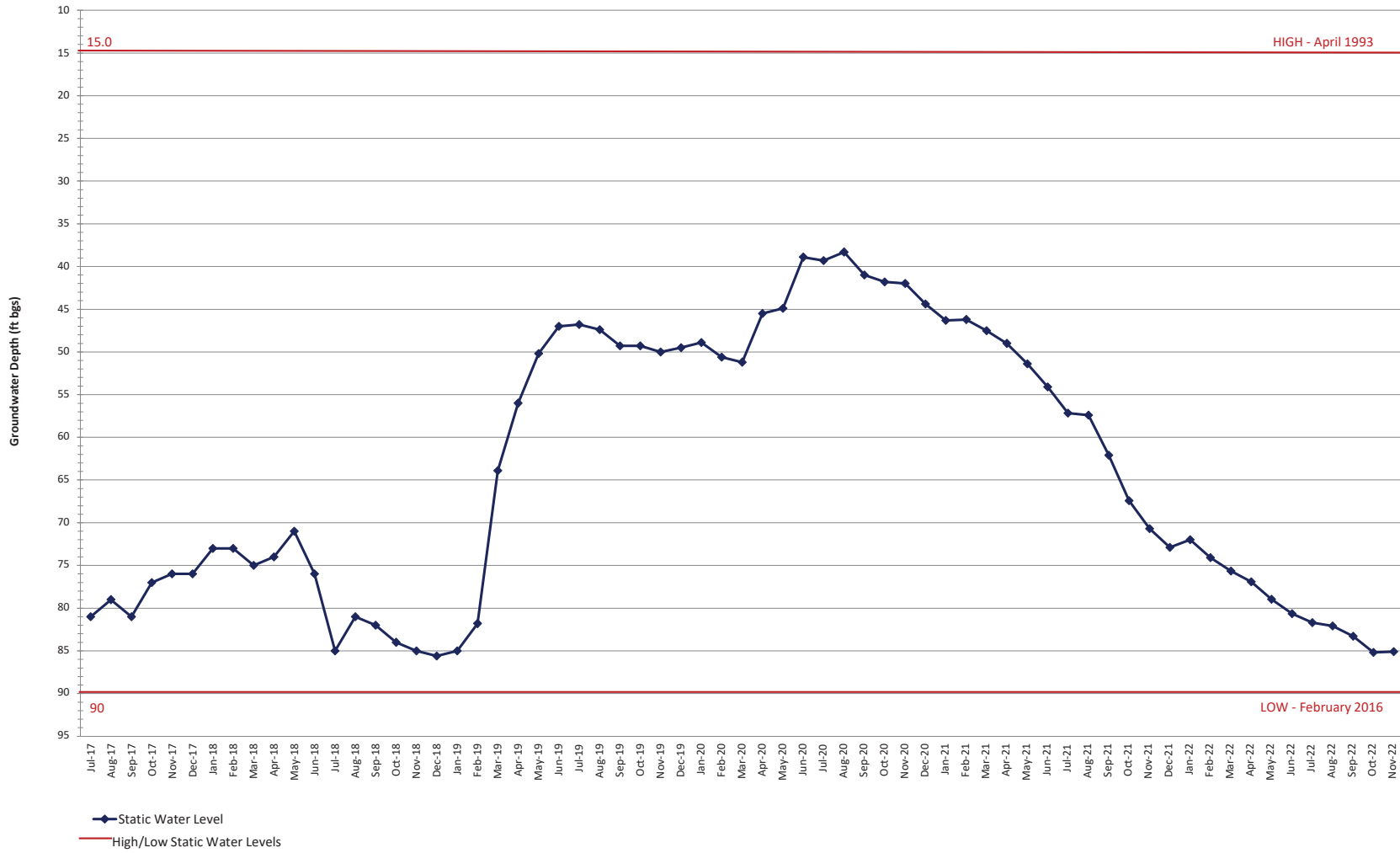
SCV WATER WELL P5
STATIC WATER LEVEL



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 December 15, 2022**

Project	Contractor	Original Contract Amount	Change Orders to Date	% Change Orders	Current Contract Amount	Scheduled Completion	Estimated % of Work Completed	Status
Vista Canyon Recycled Water Main Extension (Phase 2B)	Ferreira Construction Co, Inc.	\$2,752,982	(\$168,872)	(6.1%)	\$2,584,110	December 22, 2022	99%	Construction of pipeline is substantially complete. Construction closeout is in progress.
Vista Canyon (Phase 2B) Recycled Water Tanks	Pacific Tank and Construction, Inc.	\$3,906,870	\$390,585	9.99%	\$4,297,455	December 31, 2022	98%	Construction is in progress. Construction closeout is in progress
Valley Center Well PFAS Groundwater Treatment Improvements Material Purchase	Evoqua Water Technologies, LLC.	\$512,802	\$0	0%	\$512,802	January 31, 2023	99%	Material close-out is in progress.
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	January 31, 2023	99%	Construction close-out is in progress.
Commerce Center Drive Pipeline	FivePoint / Blois Construction, Inc.	\$891,139.70	\$863.02	0.1%	\$892,002.72	January 31, 2023	99%	Construction close-out is in progress.
Magic Mountain Pipeline Phase 4	FivePoint / Toro Enterprises	\$3,084,725	\$212,288.56	6.9%	\$3,297,013.56	April 1, 2023	98%	Construction is in progress.
Magic Mountain Pipeline Phase 5	FivePoint / Toro Enterprises	\$3,269,978.85	\$0	0%	\$3,269,978.85	April 1, 2023	94%	Construction is in progress.
Magic Mountain Pipeline Phase 6B	FivePoint / Leatherwood Construction	\$4,568,687.07	\$0	0%	\$4,568,687.07	April 1, 2023	92%	Construction is in progress.
Magic Mountain Pipeline Phase 6A	FivePoint / Toro Enterprises	\$7,168,844.85	\$0	0%	\$7,168,844.85	April 1, 2023	88%	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
Newhall Tanks 1 and 1A – Tank Upgrades	Paso Robles Tanks, Inc.	\$299,500	\$0	0%	\$299,500	May 18, 2023	0%	Issued NTP effective December 19, 2022
Bridgeport Pocket Park	C.S. Legacy Construction, Inc.	\$373,147.60	\$0	0%	\$373,147.60	June 16, 2023	0%	Issued NTP effective December 19, 2022
Santa Clara & Honby Wells PFAS Groundwater Treatment Improvements Material Purchase	Aqueous Vets	\$814,050	\$8,650.50	0.7%	\$822,700.50	August 16, 2023	81%	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 16, 2023	2%	Construction is in progress.
Saugus #3 & #4 Wells Construction (Replacement Wells)	Zim Industries, Inc.	\$12,751,494	\$0	0%	\$12,751,494	August 27, 2023	18%	Construction is in progress.
ESFP Washwater Return Improvements	Pacific Hydrotech Corporation	\$17,526,700	\$0	0%	\$17,526,700	November 30, 2023	24%	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.
7**

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	C																																			
2	CIP Construction Status Report	None	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																																				
6	Real Property Activity Report	Yes 10 min																																				
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 Civiltec, 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										C	C																									
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										C	C																									
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										C	C																									
25	Recommend Approval to Authorize the General Manager to Execute a Contract with GS Sand Canyon for Rent, LLC for SCV Water's Fair Share Cost to Construct the Sand Canyon Plaza Pump Station, Including Construction Quality Assurance and Control Testing, Construction Inspections, and Engineering Services During Construction	Yes 10 min												C		C																						

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Hazen



Water Master Plan

Project Update

January 5, 2023



What is a Water Master Plan?

- Comprehensive planning document for the system
- Typically consists of descriptions of an existing system, future projections of demands, technical analyses, and recommended improvements (capital improvement program)
- Periodic updates are needed every 5 to 20 years due to changes in land use, system needs, regulatory requirements, or regional factors.



What will SCV Water achieve with this Master Plan?

The 5 Project Objectives are:



Comprehensive Documentation of your System

Operational Benefits and Improvements of a Merged Water Service Area



Calibrated "One-System" Model

Thorough understanding of the **CONDITION** of your facilities – your pipelines, pump stations, reservoirs, wells, and treatment plants

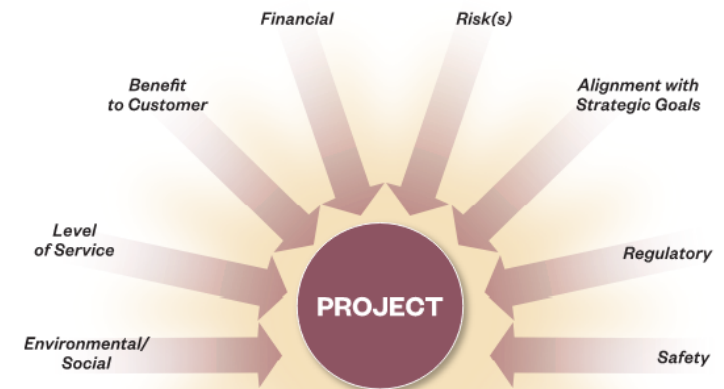


Prioritized "One-System" CIP, allowing you to establish defensible capacity fees

Major Scope Elements

Status Update

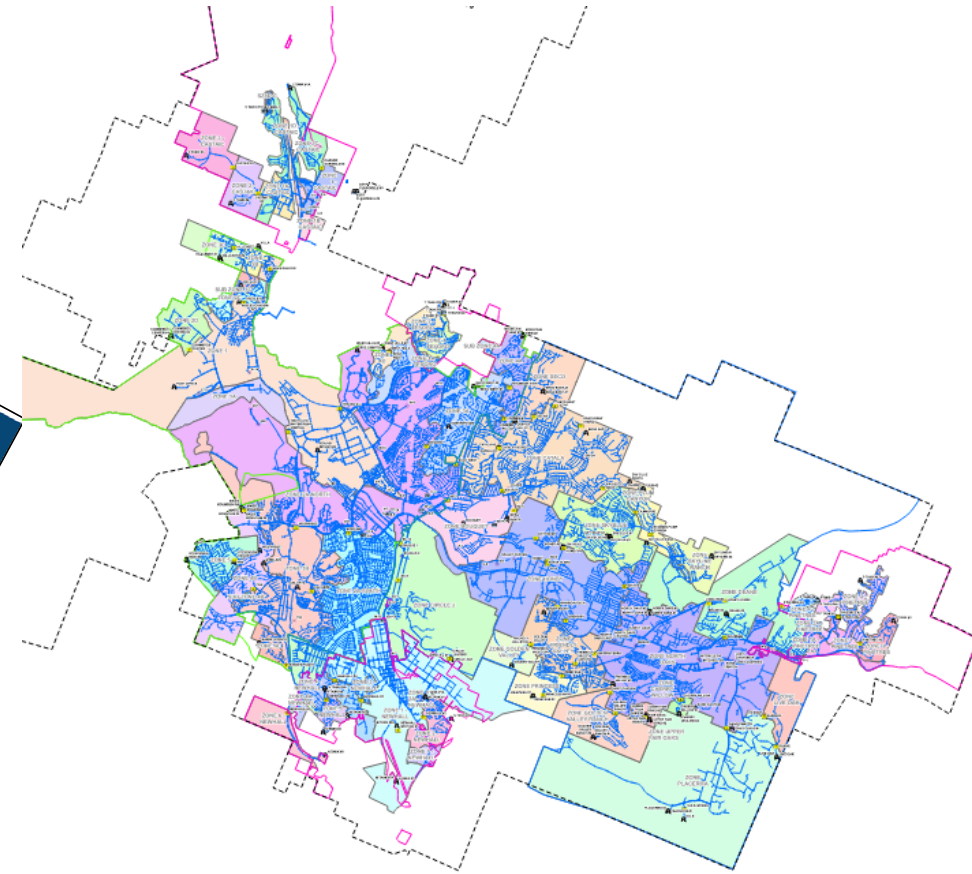
- Data Collection
- Field Condition Assessments
- Hydraulic Model Analysis
- System Evaluation
- CIP Development
- Master Plan Report
 - Includes analysis, findings, and recommendations of all major scope elements



Major Scope Elements

Status Update

- Data Collection - complete



Major Scope Elements

Status Update

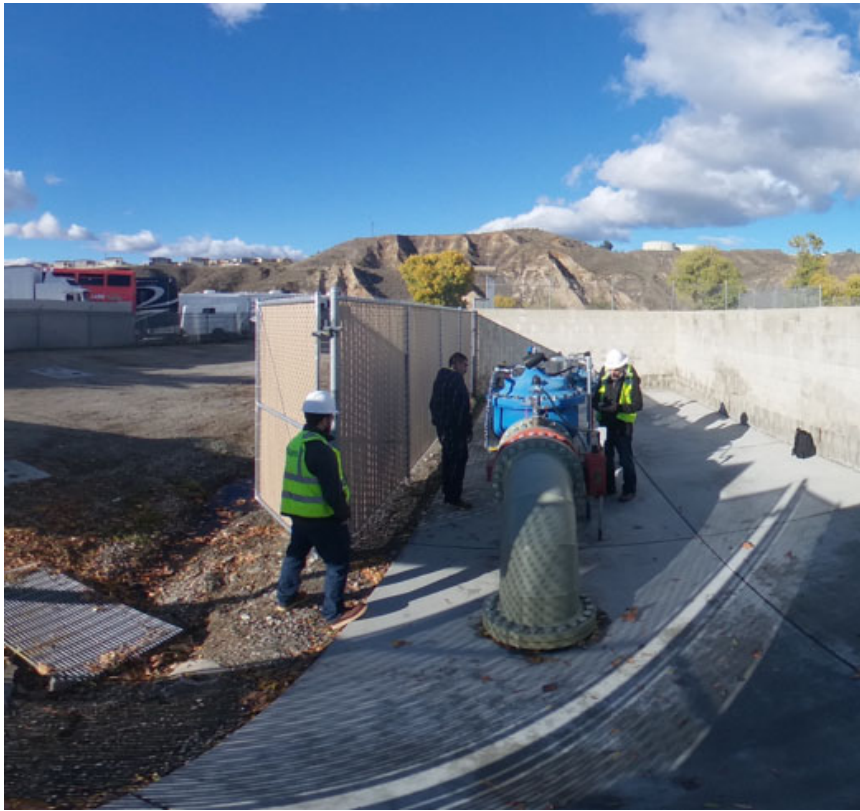
- Field Condition Assessment – in progress (complete in Q1 2023)



Electronic Forms and Condition Assessment Guide

Field Condition Assessment

On-going field work



Field Condition Assessment

On-going field work



Field Condition Assessment

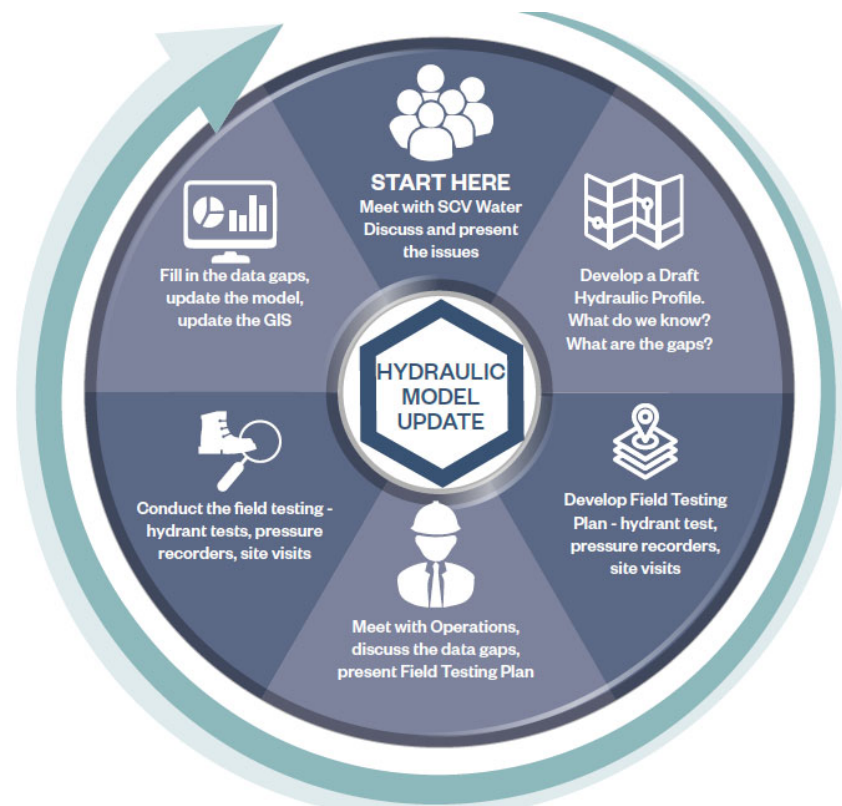
On-going field work



Major Scope Elements

Status Update

- Hydraulic Modeling Analysis – in progress (complete in Q1 2023)



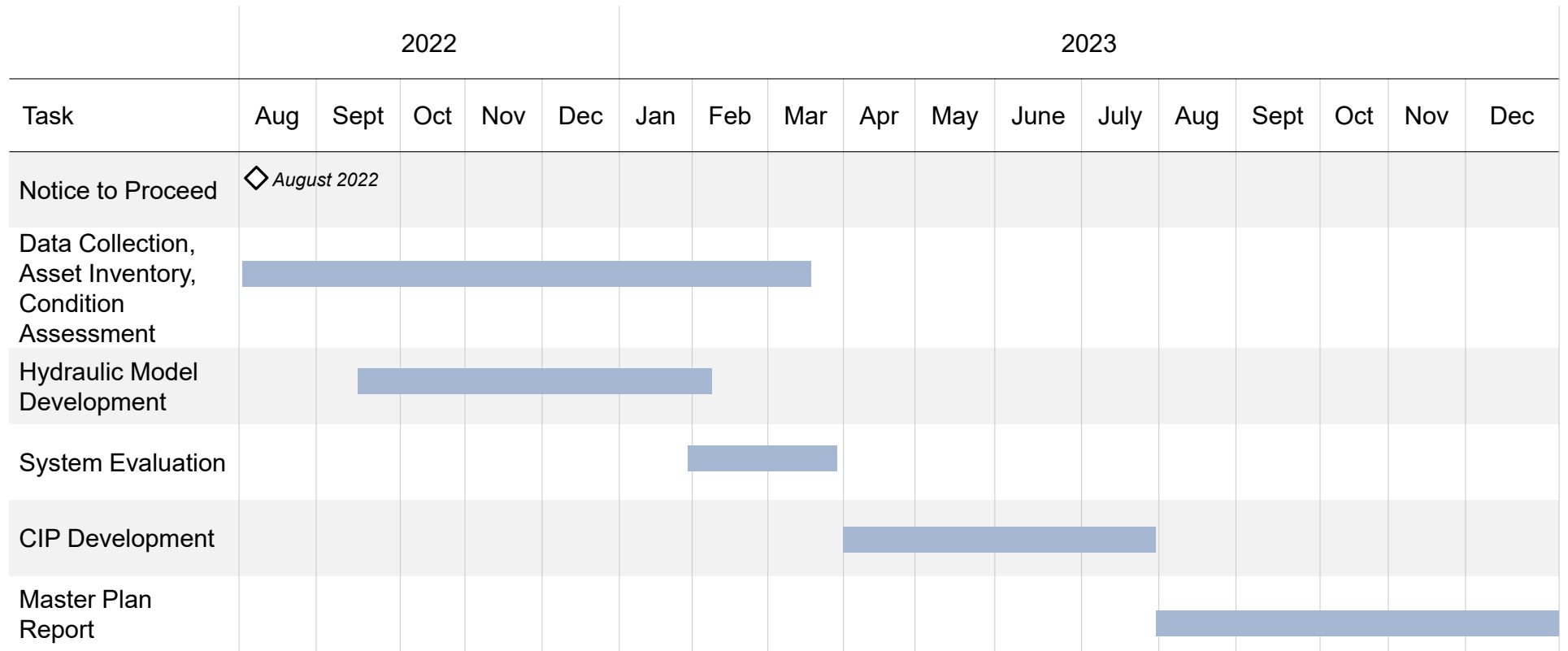
Major Scope Elements

Status Update

- CIP Development – Future task, Q2/Q3 2023
- Master Plan Report – Future task, Q4 2023 to 2024



Project Schedule



Complete in Q1 2024

Thank you

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